





58TH CONG., }
3d Session. }

HOUSE OF REPRESENTATIVES.

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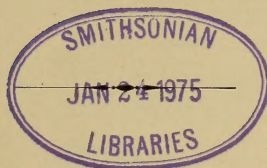
ANNUAL REPORT

OF THE

COMMISSIONER OF PATENTS

FOR THE YEAR

1904.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1905.

REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS,

FOR THE YEAR ENDED DECEMBER 31, 1904.

[Laid before the House by the Speaker, January 27, 1905, referred to the Committee on Patents, and ordered to be printed.]

DEPARTMENT OF THE INTERIOR, UNITED STATES PATENT OFFICE, Washington, D. C., January 25, 1905.

To the Senate and House of Representatives of the United States of America in Congress assembled:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1904:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received.....	\$1,446,957 00
Cash refunded.....	6,915 55
Net cash.....	1,440,041 45
Certificates of deposit.....	41,560 00
Total cash and certificates.....	1,481,601 45
Copies:	
Cash received.....	136,082 00
Cash refunded.....	9,468 31
Net cash.....	126,613 69
Certificates of deposit.....	331 65
Total cash and certificates.....	126,945 34
Recording assignments:	
Cash received.....	27,316 54
Cash refunded.....	1,345 85
Net cash.....	25,970 69
Certificates of deposit.....	121 00
Total cash and certificates.....	26,091 69
Subscriptions to Official Gazette:	
Cash received.....	13,521 73
Cash refunded.....	91 63
Net cash.....	13,430 10
Certificates of deposit.....	81 05
Total cash and certificates.....	13,511 15
Registration of prints and labels:	
Cash received.....	10,370 00
Cash refunded.....	1,229 10
Net cash.....	9,140 90
Certificates of deposit.....	36 00
Total cash and certificates.....	9,176 90
Aggregates.	
Cash received.....	\$1,634,247 27
Cash refunded.....	19,050 44
Net cash.....	1,615,196 83
Certificates of deposit.....	42,129 70
Total cash and certificates.....	1,657,326 53

EXPENDITURES.

Amounts expended under the several appropriations from January 1, 1904, to December 31, 1904.

Salaries.....	\$837,052 50
Scientific library.....	1,451 83
Transportation of publications to foreign countries.....	695 90
International Union for Protection of Industrial Property.....	685 15
Stationery.....	12,432 96
Postage on foreign matter.....	2,608 00
Furniture.....	2,615 80
Carpets.....	1,513 83
Ice.....	453 97
Telephones.....	700 00
Washing towels.....	251 37
Sundries.....	5,868 86
Law library.....	389 45
Official Gazette, (illustrations,) paid contractor.....	80,371 50
Photolithographing, paid contractor.....	143,645 91
Printing and binding, paid Public Printer for Official Gazette, indexes, printing specifications, and miscellaneous work.....	385,263 35
Total.....	1,476,000 38

RECEIPTS AND EXPENDITURES.

Receipts from all sources.....	\$1,657,326 53
Expenditures.....	1,476,000 38
Surplus.....	181,326 15

Statement of balance in the Treasury of the United States on account of the patent fund.

Amount to the credit of the fund January 1, 1904.....	\$5,682,540 61
Amount of receipts during the year 1904.....	1,657,326 53
Total.....	7,339,867 14
Deduct expenditures for the year 1904.....	1,476,000 38
Balance January 1, 1905.....	5,863,866 76

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions.....	51,168
Applications for patents for designs.....	818
Applications for reissues of patents.....	157
Total.....	52,143
Caveats filed.....	1,808
Applications for registration of trade-marks.....	2,524
Applications for registration of labels.....	1,335
Applications for registration of prints.....	397
Disclaimers filed.....	8
Appeals on the merits.....	1,010
Total.....	7,082
Applications, etc., requiring investigation and action.....	14 608
Patents issued, including designs.....	30,824
Patents reissued.....	110
Total.....	30,934
Trade-marks registered.....	2,158
Labels registered.....	1,114
Prints registered.....	297
Total.....	3,569
Patents expired during the year.....	20,429
Patents withheld for non-payment of final fees.....	5,413
Applications allowed awaiting final fees.....	9,362

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States and Territories.	Patents and designs.	One to every—	States and Territories.	Patents and designs.	One to every—
Alabama.....	145	12,613	Nevada.....	10	4,233
Alaska.....	2	31,720	New Hampshire.....	76	5,415
Arizona.....	32	3,941	New Jersey.....	1,297	1,452
Arkansas.....	100	13,115	New Mexico Territory.....	30	6,510
California.....	1,022	1,453	New York.....	4,502	1,014
Colorado.....	387	1,394	North Carolina.....	124	15,272
Connecticut.....	828	1,097	North Dakota.....	50	6,382
Delaware.....	37	4,992	Ohio.....	2,178	1,908
District of Columbia.....	243	1,146	Oklahoma.....	122	3,264
Florida.....	76	6,954	Oregon.....	85	5,000
Georgia.....	222	9,983	Pennsylvania.....	3,053	2,064
Hawaii.....	7	22,000	Porto Rico.....	2	.....
Idaho.....	34	4,758	Rhode Island.....	284	1,509
Illinois.....	2,881	1,673	South Carolina.....	70	19,147
Indiana.....	705	3,569	South Dakota.....	4	4,724
Indian Territory.....	1,121	10,887	Tennessee.....	213	9,486
Iowa.....	641	3,481	Texas.....	415	7,346
Kansas.....	336	4,376	Utah.....	67	4,130
Kentucky.....	255	8,420	Vermont.....	87	3,949
Louisiana.....	137	10,084	Virginia.....	233	7,957
Maine.....	36	5,739	Washington.....	306	1,663
Maryland.....	289	4,117	West Virginia.....	159	6,030
Massachusetts.....	2,075	1,351	Wisconsin.....	582	3,555
Michigan.....	952	2,543	Wyoming.....	28	3,304
Minnesota.....	504	3,474	United States Army.....	5	.....
Mississippi.....	90	17,236	United States Navy.....	9	.....
Missouri.....	941	3,201			
Montana.....	95	2,561	Total.....	27,539	.....
Nebraska.....	225	4,749			

Patents granted to citizens of foreign countries.

Africa.....	1	Natal.....	2
Argentina.....	5	Netherlands.....	20
Austria-Hungary.....	119	Newfoundland.....	3
Belgium.....	42	New South Wales.....	25
Bermuda.....	1	New Zealand.....	53
Brazil.....	3	Norway.....	23
Canada.....	412	Persia.....	1
Cape Colony.....	2	Peru.....	1
China.....	2	Portugal.....	1
Colombia.....	1	Queensland.....	7
Costa Rica.....	3	Roumania.....	2
Cuba.....	5	Russia.....	37
Denmark.....	22	San Salvador.....	2
Ecuador.....	1	Scotland.....	80
England.....	830	South Australia.....	5
France.....	331	Spain.....	11
Germany.....	910	Sweden.....	73
Guatemala.....	1	Switzerland.....	87
India.....	2	Tasmania.....	2
Ireland.....	10	Transvaal.....	10
Isle of Man.....	26	Turkey.....	4
Italy.....	22	Western Australia.....	48
Japan.....	4		5
Java.....	1		
Mexico.....	28	Total.....	3,285

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1904, inclusive.

Year.	Applications.	Caveats filed.	Patents and re-issues.	Cash received.	Cash expended.	Surplus.
1837.....	.....	.....	435	\$29,289 08	\$33,506 98	.....
1838.....	.....	.....	520	42,123 54	37,338 92	\$4,784 62
1839.....	.....	.....	425	38,019 97	34,543 51	3,476 46
1840.....	765	228	473	38,056 51	39,020 67	.....
1841.....	847	312	495	40,413 01	52,666 87	.....
1842.....	761	291	517	36,505 63	31,241 43	5,264 20
1843.....	819	315	519	35,315 81	30,776 96	4,538 85
1844.....	1,045	380	497	42,509 26	36,344 53	6,164 73
1845.....	1,246	452	503	51,076 14	39,395 65	11,680 49
1846.....	1,272	448	638	50,264 16	46,158 71	4,105 45
1847.....	1,581	533	369	63,111 19	41,878 35	21,232 84
1848.....	1,628	607	553	67,576 69	58,905 84	8,670 85
1849.....	1,955	595	1,077	80,752 78	77,716 44	3,036 34
1850.....	2,193	602	993	86,927 05	80,100 95	6,826 10
1851.....	2,258	760	872	95,738 61	86,916 93	8,821 68
1852.....	2,639	996	1,019	112,056 34	95,916 91	16,139 43
1853.....	2,673	901	961	121,527 45	132,869 83	.....
1854.....	3,324	868	1,844	163,789 84	167,146 32	.....
1855.....	4,435	906	2,013	216,459 35	179,540 33	36,919 02
1856.....	4,960	1,024	2,505	192,588 02	199,931 02	.....
1857.....	4,771	1,010	2,896	196,132 01	211,582 09	.....

Comparative statement of the business of the Office from 1837 to 1904, inclusive—Continued.

Year.	Applica- tions.	Caveats filed.	Patents and re- issues.	Cash received.	Cash ex- pended.	Surplus.
1858.....	5,364	943	3,710	\$203,716 16	\$193,193 74	\$10,522 42
1859.....	6,225	1,079	4,538	245,942 15	210,278 41	35,663 74
1860.....	7,653	1,084	4,819	256,352 59	232,820 80	3,531 79
1861.....	4,643	700	3,340	137,354 44	221,491 91	.....
1862.....	5,038	824	3,521	215,754 99	182,510 39	32,944 06
1863.....	7,817	1,170	4,787	195,853 29	189,144 14	6,179 15
1864.....	6,972	1,063	5,020	250,919 98	229,568 00	11,051 98
1865.....	10,664	1,932	6,616	348,791 84	274,199 34	74,592 50
1866.....	15,269	2,723	9,450	495,665 38	361,724 28	133,941 10
1867.....	21,276	3,597	14,015	646,581 92	639,263 32	7,318 60
1868.....	20,445	3,705	13,378	681,565 86	628,679 77	52,886 09
1869.....	19,271	3,624	13,986	693,145 81	486,430 74	206,715 07
1870.....	19,171	3,273	13,321	609,456 76	557,147 19	112,309 57
1871.....	19,472	3,366	13,033	678,716 46	562,091 64	116,624 82
1872.....	18,246	3,090	13,590	609,726 39	665,595 00	34,131 39
1873.....	20,414	3,248	12,864	703,191 77	691,178 98	12,012 79
1874.....	21,059	3,181	13,599	736,278 17	679,288 41	58,859 76
1875.....	21,638	3,094	14,837	743,453 36	721,657 71	21,795 65
1876.....	21,425	2,697	15,595	757,087 65	652,542 60	105,445 05
1877.....	20,308	2,809	14,187	732,342 85	613,152 62	119,190 23
1878.....	20,260	2,755	13,444	725,375 55	593,082 89	132,292 66
1879.....	20,559	2,620	13,213	703,931 47	529,638 97	174,292 50
1880.....	23,012	2,490	13,947	749,683 32	538,365 17	210,820 15
1881.....	26,059	2,406	16,584	853,665 89	605,173 28	248,492 61
1882.....	31,522	2,553	19,267	1,009,219 45	683,867 67	325,351 78
1883.....	34,576	2,741	22,363	1,146,240 00	675,234 86	471,005 14
1884.....	35,600	2,582	20,413	1,075,798 80	970,579 76	105,219 04
1885.....	35,717	2,552	24,233	1,188,089 15	1,024,378 85	163,710 30
1886.....	35,968	2,513	22,508	1,154,551 40	992,503 45	162,047 95
1887.....	35,613	2,622	21,477	1,144,509 60	994,472 22	150,037 38
1888.....	35,797	2,251	20,506	1,118,516 10	973,108 78	145,407 32
1889.....	40,575	2,481	24,158	1,281,728 05	1,052,955 96	228,772 09
1890.....	41,048	2,311	26,292	1,340,372 66	1,099,297 74	241,074 92
1891.....	40,552	2,408	23,444	1,271,285 78	1,139,713 35	131,572 43
1892.....	40,753	2,290	23,559	1,286,331 88	1,110,739 24	175,592 59
1893.....	38,473	2,247	23,769	1,242,871 64	1,141,038 45	101,833 19
1894.....	38,439	2,286	20,867	1,187,439 58	1,100,047 12	87,392 46
1895.....	40,680	2,415	22,057	1,245,246 93	1,106,389 49	138,857 44
1896.....	43,982	2,271	23,373	1,324,059 83	1,115,133 71	210,846 12
1897.....	47,905	2,176	23,794	1,375,641 72	1,122,843 13	252,798 59
1898.....	35,842	1,659	22,267	1,137,734 48	1,136,196 20	1,538 28
1899.....	41,443	1,716	25,527	1,325,457 03	1,211,783 73	113,673 30
1900.....	41,980	1,731	26,499	1,350,828 53	1,260,019 62	90,808 91
1901.....	46,449	1,842	27,373	1,449,398 16	1,297,388 64	152,010 52
1902.....	49,641	1,851	27,886	1,552,859 08	1,393,345 54	159,513 54
1903.....	50,213	1,771	31,699	1,642,201 81	1,448,645 81	193,556 00
1904.....	52,143	1,808	30,934	1,657,326 53	1,476,000 38	181,326 15

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced, together with the total number of each issued during the year.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.					
	Patents.	Designs.	Reissues.	Trade-Marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-Marks.	Labels.
1836 (July 28).....	1	.....	.....	.....	.....	.....	109	.....	.....	.....	.....	.....
1837.....	110	.....	.....	.....	.....	.....	436	.....	.....	.....	.....	.....
1838.....	546	.....	.....	.....	.....	.....	515	.....	.....	.....	.....	.....
1839.....	1,061	.....	.....	.....	.....	.....	404	.....	.....	.....	.....	.....
1840.....	1,465	.....	.....	.....	.....	.....	476	.....	.....	.....	.....	.....
1841.....	1,923	.....	.....	.....	.....	.....	490	.....	.....	.....	.....	.....
1842.....	2,413	.....	.....	.....	.....	.....	488	.....	.....	.....	.....	.....
1843.....	2,901	.....	.....	.....	.....	.....	494	.....	.....	.....	.....	.....
1844.....	3,395	.....	.....	.....	.....	.....	478	.....	.....	.....	.....	.....
1845.....	3,873	.....	.....	.....	.....	.....	475	.....	.....	.....	.....	.....
1846.....	4,348	.....	.....	.....	.....	.....	566	.....	.....	.....	.....	.....
1847.....	4,914	.....	.....	.....	.....	.....	495	.....	.....	.....	.....	.....
1848.....	5,409	.....	.....	.....	.....	.....	584	.....	.....	.....	.....	.....
1849.....	5,993	.....	.....	.....	.....	.....	998	.....	.....	.....	.....	.....
1850.....	6,981	.....	.....	.....	.....	.....	894	.....	.....	.....	.....	.....
1851.....	7,865	.....	.....	.....	.....	.....	757	.....	.....	.....	.....	.....
1852.....	8,622	.....	.....	.....	.....	.....	890	.....	.....	.....	.....	.....
1853.....	9,512	.....	.....	.....	.....	.....	846	.....	.....	.....	.....	.....
1854.....	10,358	.....	.....	.....	.....	.....	1,759	.....	.....	.....	.....	.....
1855.....	12,117	.....	.....	.....	.....	.....	1,892	.....	.....	.....	.....	.....
1856.....	14,009	.....	.....	.....	.....	.....	2,315	.....	.....	.....	.....	.....
1857.....	16,324	.....	.....	.....	.....	.....	2,840	.....	.....	.....	.....	.....
1858.....	19,010	.....	.....	.....	.....	.....	3,467	.....	.....	.....	.....	.....
1859.....	22,477	.....	.....	.....	.....	.....	4,165	.....	.....	.....	.....	.....
1860.....	26,612	.....	.....	.....	.....	.....	4,363	.....	.....	.....	.....	.....
1861.....	31,035	.....	.....	.....	.....	.....	5,040	.....	.....	.....	.....	.....
1862.....	34,045	.....	.....	.....	.....	.....	5,221	.....	.....	.....	.....	.....
1863.....	37,266	.....	.....	.....	.....	.....	5,781	.....	.....	.....	.....	.....

Statement showing the number of the first patent, design patent, and reissued patent—Continued.

Calendar year.	Number of first patent and certificate issued in each calendar year.					Prints.	Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-Marks.	Labels.		Patents.	Designs.	Reissues.	Total patents.	Trade-Marks.	Labels.	Prints.	Total certificates.
1864.....	41,047	1,879	1,596				4,638	139	248	5,025				
1865.....	45,685	2,018	1,844				6,099	221	296	6,616				
1866.....	51,784	2,239	2,140				8,874	294	290	9,458				
1867.....	60,658	2,533	2,430				12,301	325	400	13,026				
1868.....	72,959	2,858	2,830				12,544	446	420	13,410				
1869.....	85,503	3,304	3,250				12,957	506	534	13,997				
1870.....	98,460	3,810	3,784				12,157	737	439	13,333	121			121
1871.....	110,617	4,547	4,223	122			11,687	905	464	13,056	486			486
1872.....	122,304	5,452	4,687	608			12,200	884	529	13,613	491			491
1873.....	134,504	6,336	5,216	1,099			11,616	747	501	12,864	492			492
1874.....	146,120	7,083	5,717	1,591			12,230	886	483	13,599	559			559
1875.....	158,350	7,969	6,200	2,150	233		13,291	915	631	14,827	1,138	232		1,370
1876.....	171,641	8,894	6,831	3,283	465		14,172	802	621	15,595	959	472		1,431
1877.....	185,813	9,686	7,452	4,247	937		12,920	699	568	14,187	1,216	392		1,608
1878.....	198,733	10,385	8,030	5,463	1,329		12,345	590	509	13,444	1,455	492		1,947
1879.....	211,078	10,975	8,529	6,918	1,821		12,133	592	488	13,213	872	355		1,227
1880.....	223,211	11,567	9,017	7,790	2,176		12,926	515	506	13,947	349	203		552
1881.....	236,137	12,082	9,523	8,139	2,379		15,548	565	471	16,584	834	202		1,036
1882.....	251,685	12,647	9,994	8,973	2,581		18,135	861	271	19,267	947	304		1,251
1883.....	269,820	13,506	10,265	9,920	2,885		21,196	1,020	167	22,383	902	906		1,808
1884.....	291,016	14,528	10,422	10,822	3,791		19,147	1,150	116	20,413	1,021	513		1,534
1885.....	310,163	15,678	10,548	11,843	4,304		23,331	773	129	24,233	1,067	391		1,458
1886.....	333,494	16,451	10,677	12,910	4,695		21,797	595	116	22,508	1,029	378		1,407
1887.....	355,291	17,046	10,793	13,939	5,073		20,429	949	99	21,477	1,133	380		1,513
1888.....	375,720	17,995	10,892	15,072	5,453		19,585	835	86	20,506	1,059	327		1,386
1889.....	395,305	18,830	10,978	16,131	5,780		23,360	723	75	24,158	1,229	319		1,548
1890.....	418,665	19,553	11,053	17,360	6,009		25,322	886	84	26,292	1,415	304		1,719
1891.....	443,987	20,439	11,137	18,775	6,403		22,328	836	80	23,244	1,762	137		1,899
1892.....	466,315	21,275	11,217	20,537	6,540		22,661	817	81	23,559	1,737	ae		1,743
1893.....	488,976	22,092	11,298	22,274	Do.	1	22,768	902	99	23,769	1,677	None.	2	1,679
1894.....	511,744	22,994	11,397	23,951	Do.	3	19,875	928	64	20,857	1,806	Do.	4	1,810
1895.....	531,619	23,922	11,461	25,757	Do.	7	20,883	1,115	59	22,057	1,829	Do.	3	1,832
1896.....	552,502	25,037	11,520	27,586	6,546	10	21,867	1,445	61	23,273	1,813	1	32	1,846
1897.....	571,369	26,482	11,581	29,399	6,547	42	22,098	1,631	65	23,794	1,671	14	16	1,701
1898.....	596,467	28,113	11,646	31,070	6,561	58	20,404	1,803	60	22,267	1,238	200	35	1,473
1899.....	616,871	29,916	11,706	32,308	6,761	93	23,296	2,139	92	25,527	1,649	511	100	2,260
1900.....	640,167	32,055	11,798	33,957	7,272	193	24,660	1,758	81	26,499	1,721	737	93	2,551
1901.....	664,827	33,813	11,879	35,678	8,009	286	25,558	1,734	81	27,373	1,928	878	159	2,965
1902.....	690,385	35,547	11,960	37,606	8,887	445	27,136	640	110	27,886	2,006	767	158	2,931
1903.....	717,521	36,187	12,070	39,612	9,654	603	31,046	536	117	31,699	2,186	990	270	3,446
1904.....	748,567	36,723	12,189	41,798	10,644	873	30,267	557	110	30,934	2,158	1,114	297	3,569

a Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.*, (55 O. G., 1139,) with the registration of No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditures for photolithographing the Official Gazette since 1884-85.

Fiscal year.	Contractor.	Edition.	Pages.	Per page.	Cost.	Total cost.
1884-85.....	Norris Peters.....	6,500	5,040	\$7 86	\$39,614 40	\$39,614 40
1885-86.....	.....do.....	6,500	a 130	a 7 86	a 1,021 80	44,351 00
1886-87.....	.....do.....	6,500	5,816	7 45	43,329 20	41,869 00
1887-88.....	.....do.....	6,500	5,620	7 45	41,869 00	41,869 00
1888-89.....	.....do.....	6,500	5,528	7 45	41,183 60	41,183 60
1889-90.....	.....do.....	6,500	5,906	7 45	43,999 70	43,999 70
1890-91.....	.....do.....	6,500	7,522	7 45	56,038 90	58,992 40
1891-92.....	.....do.....	7,000	b 1,074	b 2 75	b 2,953 50	65,966 10
1892-93.....	Norris Peters Co.....	7,000	7,488	7 45	55,785 60	52,969 50
1893-94.....	.....do.....	7,000	b 3,702	b 2 75	b 10,180 50	54,998 30
1894-95.....	National Lithographic Co.....	7,000	7,110	7 45	52,969 50	54,998 30
1895-96.....	.....do.....	7,000	7,234	7 45	52,893 30	54,998 30
1896-97.....	.....do.....	7,000	b 16	b 3 00	b 48 00	54,998 30
1897-98.....	.....do.....	7,000	b 16	b 3 50	b 56 00	54,998 30
1898-99.....	.....do.....	7,000	b 364	b 2 75	b 1,001 00	54,998 30
1899-1900.....	.....do.....	7,000	6,040	7 45	44,998 00	54,998 30
1900-1901.....	.....do.....	7,000	c 849	c 5 30	c 4,499 70	54,998 30
1901-1902.....	.....do.....	7,000	c 554	c 5 00	c 3,500 00	54,998 30
1902-1903.....	.....do.....	7,000	6,668	5 25	35,067 00	54,998 30
1903-1904.....	.....do.....	7,000	b 6,856	b 48	b 3,290 88	54,998 30
1904-1905.....	.....do.....	7,000	6,856	5 25	35,067 00	54,998 30
1906-97.....	A. B. Graham.....	7,000	7,654	5 10	39,035 40	42,326 30
1908-99.....	Norris Peters Co.....	7,000	7,936	4 50	35,712 00	39,749 40
1900-1901.....	.....do.....	7,000	7,794	5 10	39,749 40	46,065 60
1901-1902.....	.....do.....	7,000	8,228	5 60	46,065 60	55,062 80
1902-1903.....	.....do.....	7,000	9,336	6 25	62,100 00	55,062 80
1903-1904.....	.....do.....	7,000	10,656	6 25	66,600 00	75,112 50
1904-1905.....	.....do.....	7,000	12,018	6 25	75,112 50	84,162 50
1906-97.....	.....do.....	7,000	13,466	6 25	84,162 50	84,162 50
1908-99.....	.....do.....	7,000	d 14,500	5 50	d 79,750 00	d 79,750 00

a First edition furnished at previous contract price, new contract not having been executed.

b Back numbers reproduced.

c Expired patents published.

d Estimated.

Expenditures for photolithographic and photographic work since 1884-85.

Fiscal year.	Contractor.	Price per page.				Total.	Official Gazette.	Grand total.
		Current issue.	Reproduction of exhausted copies	Library edition.	Photographic copies.			
1884-85.....	Norris Peters.....	a\$1 61	{ \$1 58 j 1 00	{ \$2 90		\$78,671 99	\$39,614 40	\$118,286 39
1885-86.....	.....do.....	a 1 61	{ j 1 58 j 1 00	{ t 2 80		84,940 19	44,351 00	129,291 19
1886-87.....	.....do.....	a 1 61	{ j 1 56 j 1 00	{ t 2 80		79,509 57	41,869 00	121,378 57
1887-88.....	.....do.....	a 1 61	{ k 1 56 j 1 00	{ t 2 80		77,907 96	41,183 60	119,091 56
1888-89.....	.....do.....	a 1 61	{ k 1 56 j 1 00	{ t 2 80		83,284 54	43,999 70	127,284 24
1889-90.....	.....do.....	a 1 61	{ k 1 56 j 1 00	{ t 2 80		101,292 67	58,992 40	160,285 07
1890-91.....	.....do.....	a 1 61	{ k 1 56 j 1 00	{ t 2 80		110,998 97	65,966 10	176,965 07
1891-92.....	Norris Peters Co.....	b 1 57	{ k 1 56 j 1 00	{ t 2 80		99,992 58	52,969 50	152,962 08
1892-93.....	.....do.....	{ b 1 55 c 1 49	{ j 1 56 j 1 00	{ t 2 80		99,788 92	54,998 30	154,787 22
1893-94.....	National Lithographic Co.....	{ b 1 55 c 1 47	{ j 1 56 j 1 00	{ t 2 70		94,911 33	49,997 70	144,909 03
1894-95.....	Norris Peters Co.....	{ b 1 01 c 96	{ j 1 14 l 94	{ t 1 95		60,482 04	38,297 88	98,779 92
1895-96.....	A. B. Graham.....	{ d 1 0025 e 9775	{ k 735 l 93	{ u 1 10		58,866 60	42,326 30	101,192 90
1896-97.....	Norris Peters Co.....	{ f 84 e 655	{ m 65 n 60	{ u 1 00		58,960 78	35,712 00	94,672 78
1897-98.....	.....do.....	{ d 92 e 83	{ m 75 n 75	{ u 1 50		68,999 28	39,749 40	108,748 68
1898-99.....	{do..... *Annie C. Bell.....	{ d 1 005 e 885	{ o 72 n 78	{ u 1 60	{ v 30 07 w 095 125 y 05	75,999 85	46,065 60	122,065 45
1899-1900.....	{ Norris Peters Co..... *Henry C. Yates & Co.....	{ g 995 e 885	{ p 70 n 78	{ u 1 60	{ v 05 w 12 y 18	98,999 90	55,092 80	154,092 70
1900-1901.....	.....do.....	{ g 1 08 h 1 03	{ q 80	{ u 1 75	{ v 05 w 12 y 20	108,999 54	62,100 00	171,099 54
1901-1902.....	.....do.....	{ g 1 08 h 1 03	{ q 80	{ u 1 75	{ v 05 w 12 y 20	108,999 55	66,600 00	175,599 55
1902-1903.....	Norris Peters Co.....	{ g 1 08 h 1 03	{ q 80	{ u 1 75	{ v 05 w 14 y 20	123,842 76	75,112 50	198,955 26
1903-1904.....	{ *Charles Parker..... Norris Peters Co.....	{ g 1 08 h 1 03	{ q 80	{ u 1 75	{ v 05 w 10 y 15	129,999 97	84,162 50	214,162 47
1904-1905.....	{ *W. E. Oliver..... Sackett & Wilhelms Litho- graphing & Printing Co.. *C. Parker.....	{ d 1 30 h 85	{ q 80 r 1 10 s 1 25	{ u 1 65	{ w 10 y 15	2140,000 00	279,750 00	2219,750 00

* For photographic work.

a " 152 thin, 2 thick, and 1 bond copies.

b " 102 " 2 " " 1 " " "

c " 24 " 2 " " 1 " " of design patents and trade-marks.

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t " 200 copies. v Size 5 x 8 in.

u " 235 " w " 7 x 11 "

z Estimated. y " 10 x 15 "

Table showing the number of patents issued by the United States and foreign countries from the earliest period to December 31, 1904. (Foreign figures for 1904 estimated.)

Countries.	To 1870, inclu- sive.	1871 to 1904.	Total.	Countries.	To 1870, inclu- sive.	1871 to 1904.	Total.
Argentina.....	83	5,067	5,150	Canada.....	4,081	90,573	94,654
Austria.....		38,977	38,977	Ceylon.....	58	564	622
Austria-Hungary.....	15,350	67,583	82,933	Chile.....	20	395	415
Bahamas.....		2	2	Congo Free State.....		139	139
Barbados.....		131	131	Denmark.....	464	14,203	14,667
Belgium.....	35,044	152,987	188,031	Fiji Islands.....		30	30
Bolivia.....	42	65	107	Finland.....	112	2,061	2,173
Brazil.....	185	4,624	4,809	France.....	103,934	257,037	360,971
British Guiana.....	32	94	126	Germany.....	9,996	163,463	173,459
British Honduras.....	1	19	20	Great Britain.....	53,408	286,461	339,869

Table showing the number of patents issued by the United States and foreign countries from the earliest period to December 31, 1904. (Foreign figures for 1904 estimated.)—Continued.

Countries.	To 1870, inclusive.	1871 to 1903.	Total.	Countries.	To 1870, inclusive.	1871 to 1903.	Total.
Guatemala.....		57	57	Russia.....	1,464	14,748	16,212
Hawaii (prior to August 12, 1898).....		148	148	St. Helena.....		4	4
Hong-Kong.....		108	108	South African Republic.....		1,172	1,172
Hungary.....		27,559	27,559	South Australia.....	123	6,221	6,344
India.....	445	7,681	8,126	Spain.....		31,448	31,448
Italy and Sardinia.....	4,723	63,762	68,485	Straits Settlements.....		125	125
Jamaica.....	22	167	189	Sweden.....	1,629	20,346	21,975
Japan.....		8,141	8,141	Switzerland.....		30,792	30,792
Leeward Islands.....		18	18	Tasmania.....	43	2,421	2,464
Liberia.....		2	2	Trinidad.....	6	167	173
Luxemburg.....		5,745	5,745	Tunis.....		549	549
Malta.....		73	73	Turkey.....		1,340	1,340
Mauritius.....	113	264	377	Uruguay.....		251	251
Mexico.....	22	4,917	4,939	Venezuela.....		184	184
Netherlands.....	4,535		4,535	Victoria.....	822	11,924	12,746
Newfoundland.....	40	312	352	Western Australia.....		3,520	3,520
New South Wales.....	236	11,646	11,882	Total foreign.....	238,191	1,376,851	1,615,042
New Zealand.....	109	9,597	9,706	United States.....	120,573	668,217	788,790
Norway.....	737	14,439	15,176	Grand total.....	358,764	2,045,068	2,403,832
Peru.....		160	160				
Portugal.....	245	4,424	4,669				
Queensland.....	67	6,189	6,256				

The following comparison between the receipts, expenditures, applications filed, issues of the Office, the printed copies sold, copies of records furnished, and the number of employees for the years ending, respectively, December 31, 1899, and December 31, 1904, illustrates the growth of the business of the Patent Office.

Class.	1899.	1904.	Increase.	Percentage of increase.
Receipts.....	\$1,325,457 03	\$1,657,326 53	\$331,869 50	25.0
Expenditures.....	\$1,211,783 73	\$1,476,000 38	\$264,216 65	21.8
Applications and caveats filed.....	45,990	58,207	12,217	26.5
Letters patent, design and reissue patents granted, and trade-marks, labels, and prints registered.....	27,787	34,503	6,716	24.1
Printed copies of patents furnished.....	1,451,519	1,811,176	359,657	24.7
Price received.....	\$50,201 11	\$71,025 06	\$20,823 95	41.4
Words written in copies of records furnished.....	13,575,650	20,949,250	7,373,600	54.3
Number of employees.....	663	732	69	10.4

SUMMARY OF TABLES.

In 1904 there were received 51,168 applications for mechanical patents, 818 applications for design patents, 157 applications for reissues of patents, 2,524 applications for registration of trade-marks, 1,335 applications for registration of labels, and 397 applications for registration of prints. There were 30,824 patents issued, including designs; 110 patents reissued, and 2,158 trade-marks, 1,114 labels, and 297 prints registered. The number of patents that expired was 20,429. The number of allowed applications awaiting the payment of final fees was 9,362, and the number forfeited for non-payment of the final fees 5,413. The total receipts were \$1,657,326.53; the expenditures, \$1,476,000.38, and the surplus of receipts over expenditures, \$181,326.15. The total balance to the credit of the Patent Office in the Treasury of the United States on January 1, 1905, was \$5,863,866.76.

In proportion to population more patents were issued to citizens of Connecticut than to those of any other State—1 to every 1,097. Next in order are the following: District of Columbia, 1 to every 1,146; Massachusetts, 1 to every 1,351; Colorado, 1 to every 1,394; New Jersey, 1 to every 1,452; California, 1 to every 1,453; Rhode Island, 1 to every 1,509; New York, 1 to every 1,614; Illinois, 1 to every 1,673; Washington, 1 to every 1,693; Ohio, 1 to every 1,908; Pennsylvania, 1 to every 2,064; Michigan, 1 to every 2,543; Montana, 1 to every 2,561; Oregon, 1 to every 3,086; Oklahoma, 1 to every 3,264; Missouri, 1 to every 3,301;

Wyoming, 1 to every 3,304; Minnesota, 1 to every 3,474; Iowa, 1 to every 3,481; Wisconsin, 1 to every 3,555; Indiana, 1 to every 3,569; Arizona, 1 to every 3,841; Vermont, 1 to every 3,949; Maryland, 1 to every 4,117; Utah, 1 to every 4,130; Nevada, 1 to every 4,233; Kansas, 1 to every 4,376; South Dakota, 1 to every 4,724; Nebraska, 1 to every 4,749; Idaho, 1 to every 4,758; Delaware, 1 to every 4,992; New Hampshire, 1 to every 5,415; Maine, 1 to every 5,739; West Virginia, 1 to every 6,030; North Dakota, 1 to every 6,382; New Mexico, 1 to every 6,510; Florida, 1 to every 6,954; Texas, 1 to every 7,346; Virginia, 1 to every 7,957; Kentucky, 1 to every 8,420; Tennessee, 1 to every 9,486, and Georgia, 1 to every 9,983. The fewest patents granted in proportion to the number of inhabitants were in the following States and Territories: Alaska, 1 to every 31,720; Hawaii, 1 to every 22,000; South Carolina, 1 to every 19,147; Mississippi, 1 to every 17,236; North Carolina, 1 to every 15,272; Arkansas, 1 to every 13,115; Alabama, 1 to every 12,613; Indian Territory, 1 to every 10,887, and Louisiana, 1 to every 10,084.

As to foreign patents, 910 were granted to citizens of Germany; 830 to those of England; 412 to those of Canada; 331 to those of France; 119 to those of Austria-Hungary; 87 to those of Switzerland; 80 to those of Scotland; 73 to those of Sweden; 53 to those of New Zealand; 48 to those of Victoria; 42 to those of Belgium; 37 to those of Russia; 28 to those of Mexico; 26 to those of Ireland; 25 to those of New South Wales; 23 to those of Norway; 22 each to

those of Denmark and Italy; 20 to those of the Netherlands; 11 to those of Spain; 10 each to those of India and Transvaal; 7 to those of Queensland; 5 each to those of Argentina, Cuba, South Australia, and Western Australia; 4 each to those of Japan and Turkey; 3 each to those of Brazil, Costa Rica, and Newfoundland; 2 each to those of Cape Colony, China, Natal, Roumania, San Salvador, and Tasmania, and 1 each to those of Africa, Bermuda, Colombia, Ecuador, Guatemala, Isle of Man, Java, Persia, Peru, and Portugal.

The condition of the examining divisions upon December 31 is indicated by the fact that of the 38 divisions 20 were then taking up new cases for action within one month from the date of filing, 10 were in arrears between one and two months, and the remaining 8 between two and three months. The total number of cases awaiting action on the part of the Office upon December 31 was 14,608.

The work of this Bureau is in a satisfactory condition. In some respects results have been obtained in the past year which have been for a long time desired. Among these I would mention:

CLAIMS OF LOSS.—Claims of losses of cash transmitted by mail to this Office as they existed prior to September, 1901, have been almost eliminated. This appears by the fact that while the aggregate amount of alleged losses for 1900 was \$728.40, and for the first eight months of 1901 \$387.64, the measures adopted and put into effect in August of 1901 have reduced these claims of losses to \$28.10 for the period of three years and four months from September 1, 1901, to December 1, 1904. The total receipts passing through the mail-room in 1903 were \$947,556.88. Complaints of losses for this period aggregated \$2.95. The corresponding items for 1904 were: Total receipts, \$1,020,700.87; total alleged losses, \$3.85. These claims of losses included claims erroneously made as well as losses attributable to the mail service.

OFFICE ERRORS.—The sums which were formerly paid for errors entitled "Office Errors" in the preparation of patents for publication have been entirely eliminated by the substitution of more careful methods and the determination of individual responsibility. The annual cost of these errors for some recent years is as follows:

Year.	Number of errors paid for.	Annual cost.
1887-88.....	774	\$1,176 48
1888-89.....	774	1,176 48
1889-90.....	908	1,380 16
1890-91.....	717	1,098 84
1891-92.....	569	842 12
1892-93.....	476	704 48
1893-94.....	410	595 16
1894-95.....	589	557 45
1895-96.....	539	514 36
1896-97.....	581	452 02
1897-98.....	584	500 43
1898-99.....	713	658 82
1899-1900.....	682	623 92
1900-1901.....	727	778 71

Year.	Number of errors paid for.	Annual cost.
1901-1902.....	665	\$713 37
1902-1903.....	520	558 05
1903-1904.....	178	187 13
1904-1905.....	(*)	(*)

*None that were productive of expense to the Office.

REPRODUCTIONS.—Careful exploration work among the printed patents in this Office and development of hitherto lost resources of printed patents have resulted in a saving from the amounts which would otherwise have been required for the purpose of reproducing exhausted copies estimated by the Chief Clerk at \$39,030.40.

PROMPTNESS.—The clerical work of this Office in the matter of prompt transaction of its correspondence, in furnishing printed copies of patents and manuscript copies of its records is more prompt than at any time in its recent history in spite of the growth of these classes of work to unprecedented figures. This has been accomplished without any corresponding increase in the number of employees by improvement in methods of work and in standards of individual performance.

MODELS MOVED.—During the summer of 1904 eighty-three iron model-cases and about twenty-five thousand models were removed from the galleries of the Patent Office to the second floor of the Union building. This leaves less than one hundred models in the Patent Office building, and they will be removed to the Union building very shortly. The space formerly occupied by these cases is being used for the storage of printed copies of patents, patented files, and other official records.

CONTRACT WORK.—The year 1904 witnessed a renewal of competition among contractors for the photolithographic work of this Bureau and resulted in a contract being made with a new contractor. This work has been performed promptly, has been of a high standard, and with a material reduction of expense.

CLASSIFICATION.—The work of the Classification Division is steadily progressing, and a new edition of the Classification of Inventions will soon be ready for publication.

NEW TRADE-MARK ACT.—The trade-mark measure now before Congress will, if it becomes a law, undoubtedly result in an increase in registration of trade-marks in this Office and will require an increase of facilities both in the force employed and in space and equipment required for its transaction, due to the considerable reduction of trade-mark fees provided by this measure.

SPACE.—This fact, as well as the general progress of our work, requires me again to call your attention to the fact that this Office requires more space than is at present available for the convenient and satisfactory performance of its work.

Respectfully submitted.

FREDERICK I. ALLEN,
Commissioner of Patents.

ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1904.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
			Specification.	Drawing.	Volume.	Page.
A. Garrison Foundry Company. (See Chartener, Victor, assignor.)						
A. Garrison Foundry Company. (See Knecht, Paul, assignor.)						
A. Geisel Manufacturing Company. (See Dahman, William H., assignor.)						
A. Klipstein and Company. (See Cooke, Henry J., assignor.)						
A. Leschen and Sons Rope Company. (See Leschen, Harry J., assignor.)						
A. Schrader's Son. (See Schrader, George H. F., assignor.)						
A. Steinhart & Brother. (See Wertheim, Ludwig, assignor.)						
A. B. Dick Company. (See Cox, Edwin A., assignor.)						
A. B. Dick Company. (See Dick, Albert B., assignor.)						
A. B. Dick Company. (See Dick and Brasseur, assignors.)						
A. B. Dick Company. (See Klaber, Augustus D., assignor.)						
A. B. Dick Company. (See Klaber and Sternberg, assignors.)						
A. B. Dick Company. (See Sternberg, William D., assignor.)						
A. C. Stiles Metal Company. (See Stiles, Albert C., assignor.)						
A. G. Hammell Amusement Company. (See Hammell, Alvin G., assignor.)						
A. G. Kaufman Manufacturing Company. (See Kaufman, Adolph G., assignor.)						
A. H. Vilas Company. (See McDonald, Edward, assignor.)						
A. T. Hagen Company. (See Hagen and Cooper, assignors.)						
Abel, George. (See Rice, Francis A., assignor.)						
Aagaard, Anton, Everett, Wash. Waterproof leather dressing and preservative	764,971	July 12	2200		111	497
Aanensen, Mathias, Minneapolis, Minn. Combination table and mangle	773,448	Oct. 25	4672	987	112	2035
Abate, Walter L., Detroit, Mich. Chucking device	771,111	Sept. 27	3795	988	112	904
Abbé, Max F., New York, N. Y. Tubular ball-mill	772,077	Oct. 11	1742	388	112	1348
Abbey, Alfred T., and F. J. Esmond, Victoria, Canada. Fluorescent indicator	776,211	Nov. 29	5404	1146	113	1287
Abbey, Edward R., Decorah, Iowa. Car-loading apparatus	758,493	Apr. 26	4557	979	109	2378
Abbott, Benjamin J., assignor to Union Horse Nail Company, Chicago, Ill. Die-cutting machine	767,511	Aug. 16	2800	585	111	1697
Abbott, Curzon G. (See Abbott, Samuel B., C. G., and J. C.)						
Abbott, Essex S., Stoneham, Mass. Wheel-securing device	760,169	May 17	3193	669	110	753
Abbott, Frank P., New York, N. Y. Dental duct appliance	765,537	July 19	3282	687	111	745
Abbott, Henry, New York, N. Y. Telephone call-recorder	771,853	Oct. 11	1254	280	112	1242
				281		
Abbott, Henry, New York, N. Y. Telephone-meter	772,308	Oct. 11	2208	482	112	1452
				483		
				484		
				485		
Abbott, James C. (See Abbott, Samuel B., C. G., and J. C.)						
Abbott, Samuel B., Goshen, Ind., C. G. Abbott, Grayling, Mich., and J. C. Abbott, Goshen, Ind. Broadcast seed-planter	758,231	Apr. 26	4022	873	109	2258
Abbott, Walter H. (See Sedgwick and Abbott.)				874		
Abbott, William B. (See Smith, Frank H., assignor.)						
Abbs, James, Philadelphia, Pa. Horseshoe-calk	749,599	Jan. 12	2142	447	108	502
Aberhalden, Ulrich, Jersey City, N. J. Cooker	767,622	Aug. 16	3022	681	111	1747
Abee, Ernst, Bad-Nauehm, Germany. Cardiac truss	775,342	Nov. 22	3643	771	113	881
Aberg, Albert, Zurich, Switzerland. Shuttle for looms for weaving	771,112	Sept. 27	3797	801	112	904
Abel, Edward C., et al. (See Brown, Charles N., assignor.)						
Abel, John A., et al. (See Brown, Charles N., assignor.)						
Abel, Julius, Mannheim, and A. Lüttringhaus, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Blue-sulfur dye and making same	755,428	Mar. 22	4324		109	993
Abel, Julius, Mannheim, and A. Lüttringhaus, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Blue dye and making same	777,323	Dec. 13	1682		113	1816
Abele, Christian, New York, N. Y. Coffee scouring and polishing machine	777,877	Dec. 20	2805	1616	113	2069
				1617		
Abeles, David, Vienna, Austria-Hungary. Pivot-pin-grinding device for watchmakers	766,211	Aug. 2	118	22	111	1067
Abeis, Franz, assignor to Kaiser's Kaffeegeellschaft, Gesellschaft mit Beschränkter Haftung zu Viersen, Viersen, Germany. Conveyer-band	777,363	Dec. 13	1766	392	113	1833
Abedroth, Herrmann A., Berlin, Germany. Ammonia-water apparatus	771,031	Sept. 27	3643	767	112	869
Abercrombie, Charles M., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machine needle-bar connection	769,039	Aug. 30	5963	1249	111	2440
Abercrombie, Charles M., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Presser-foot for hemstitch sewing-machines	776,821	Dec. 6	715	158	113	1584
Abercrombie, Charles M., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Hemstitch sewing-machine	776,822	Dec. 6	716	159	113	1584
Abercrombie, Charles M., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machine cloth-presser	778,393	Dec. 27	3837	838	113	2303
Abercrombie, David T., Newark, N. J., assignor to Abercrombie & Fitch, New York, N. Y. Camping outfit	775,766	Nov. 22	4522	960	113	1073

Alphabetical list of patentees—Continued.

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr &	Vol.	Page.
Abercrombie & Fitch. (See Abercrombie, David T., assignor.)						
Abercrombie, John A. (See Brown, David, assignor.)						
Abercrombie, William R., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Binder for sewing-machines.	753,834	Mar. 8	1243	280	109	289
Abernathy, John P., assignor of one-half to Hiatt Wagon Company, Jonesboro, Ark. Adjustable chock-block	751,366	Feb. 2	1101	249	108	1291
Abizaid, Ameen G., Washington, D. C. Car-door	748,959	Jan. 5	676	149	108	152
Abizaid, Ameen G., Washington, D. C. Non-refillable bottle	763,534	June 23	3801	822	110	2336
Ablett, Harold E., London, England. Drawing and designing apparatus	757,246	Apr. 12	2053	448	109	1797
Abolt, John A., assignor of one-half to J. K. Sloan, Eldon, Iowa. Wrench	754,831	Mar. 15	3228	703	109	740
Aborn, George P. (See De Laval and Aborn.)						
Aborn, George P., et al. (See Flinn, Richard J., assignor.)						
Abraham, Adolph, Janesville, Minn. End-gate fastener	762,265	June 14	1245	268	110	1731
Abraham, Adolph, Janesville, Minn. Hoe	777,391	Dec. 13	1823	403	113	1846
Abraham, Herbert. (See Rugen and Abraham.)						
Abraham, Karl, Kiev, Russia. Filter	758,345	Apr. 26	4274	918	109	2314
Abraham, Lawrence, New York, N. Y. Terminal for parcel-conveyers	756,551	Apr. 5	698	150	109	1490
Abraham, Lawrence, New York, N. Y. Driving mechanism	764,787	July 12	1823	111	415	
Abraham, Lawrence, New York, N. Y. Conveyor	777,171	Dec. 13	1400	309	113	1753
Abraham, Lawrence, New York, N. Y. Parcel-conveyer	777,235	Dec. 13	1516	337	113	1779
Abraham, Lawrence, Brooklyn, N. Y. Vehicle	756,807	Apr. 12	1183	263	109	1613
Abrahams, Hyman, London, England. Roll-top desk	769,287	Sept. 6	302	70	112	65
Abrams, Charles. (See Rankin and Abrams.)						
Abramson, Edward, San Francisco, Cal. Jar-closure and fastener	776,162	Nov. 29	5310	1123	113	1266
Abrosnki, John V., Philadelphia, Pa. Pipe or spout holder	750,516	Jan. 26	3899	846	108	916
Abt, Roman, Lucerne, Switzerland, assignor of one-half to W. Hildenbrand, New York, N. Y. Rack-railway	749,142	Jan. 12	1201	257	108	295
Accountograph Company. (See Brooks, Harry A., assignor.)						
Acers, Arthur D., Norman, Okla. Ter. Gate	777,236	Dec. 13	1518	337	113	1779
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Preparing xanthin derivatives	757,328	Apr. 12	2230		109	1834
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making xanthin derivatives	757,329	Apr. 12	2235		109	1835
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Alkoxy-caffeine and making same	757,330	Apr. 12	2238		109	1835
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Xanthin derivative and making same	767,352	Aug. 9	2468		111	1605
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making xanthin	767,353	Aug. 9	2471		111	1605
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making xanthin	767,354	Aug. 9	2473		111	1605
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making xanthin	767,355	Aug. 9	2474		111	1605
Ach, Fritz, deceased; M. C. Massie, Washington, D. C., administrator, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making theophyllin	768,333	Aug. 23	4897		111	2184
Achard, John W., assignor to Electric Storage Battery Company, Philadelphia, Pa. End-cell switch	752,942	Feb. 23	4143	922	108	2013
Achauer, Benjamin F. (See Kirkbride, Charles, assignor.)						
Achenbach, William N. (See Andrus, William, assignor.)						
Acheson, Arthur, assignor to Laundry Blue Company, Chicago, Ill. Bluing device	774,902	Nov. 15	2681	576	113	634
Acheson, Arthur, assignor to Laundry Blue Company, Chicago, Ill. Packing and display box	776,042	Nov. 23	5089	1074	113	1216
Acheson, Edward G., Niagara Falls, N. Y. Making carbon articles	749,418	Jan. 12	1777	376	108	421
Acker, Finley, Philadelphia, Pa. Coffee-urn	748,910	Jan. 5	678	149	108	152
Acker, John W., St. Louis, Mo. Pocket pill-case	765,538	July 19	3225	688	111	745
Ackerman, Albert A., Chicago, Ill. Soldering-iron	777,711	Dec. 20	2448	538	113	1996
Ackerman, Albert C., Pittsburg, Pa. Rotary engine	754,183	Mar. 8	1901	423	109	436
Ackerman, Charles H., Oshkosh, Wis. Spring extension for corn-binders	762,795	June 14	2340	510	110	1964
Ackerman, Edward F., Passaic, N. J., assignor to Okonite Company, (Limited,) New York, N. Y. Machinery for preparing rubber sheets or strips	768,891	Aug. 30	5662	1190	111	2371
Ackerman, Joel E., assignor to Twentieth Century Co., Tomah, Wis. Thill or pole coupling	760,170	May 17	3194	669	110	753
Ackerman, Joseph, et al. (See Lane, George M., assignor.)						
Ackerman, William, assignor to United States Graphotype Company, New York, N. Y. Matrix-locating mechanism for type-casting machines	771,854	Oct. 11	1258	281	112	1242
Ackermann, Henry, Newark, N. J. Coupling for gas-hose	774,633	Nov. 8	2092	456	113	480
Ackley, Griffin S., et al. (See Dixon, Harry, assignor.)						
Ackley, Jacob W. (See Kerns and Ackley.)						
Ackley, Rollin D., assignor to American Steam Pump Company, Battlecreek, Mich. Steam-actuated valve	750,331	Jan. 26	3559	770	108	844
Acklin, Alfred M. (See Acklin and Patterson.)						
Acklin, Alfred M., assignor to Heyl & Patterson, Pittsburg, Pa. Coal-storage plant	772,911	Oct. 25	3424	743	112	1755
Acme Automatic Advertising Company. (See Taylor, Frank L., assignor.)						
Acme Flexible Clasp Co. (See Norton and Knauff, assignors.)						
Acme Gas Company. (See Harvey, Charles A., assignor.)						
Acme Glass Machine Company. (See Welton, Park E., assignor.)						
Acme Harvester Company. (See Peck, Ezra A., assignor.)						
Acme Machinery Company. (See Richards, Charles W., assignor.)						
Acme Machinery Company. (See Zwilling and Richards, assignors.)						
Acme Road Machinery Company. (See Cook, David B., assignor.)						
Acme Steel Company. (See Selleck, Theodore G., assignor.)						
Acme Supply Co. (See Fuller, Samuel D., assignor.)						
Acme Supply Company. (See Wood, Guilford S., assignor.)						
Acorn Electric and Manufacturing Company. (See Smith, Frank W. and W. H., assignors.)						
Actienbolaget Separator. (See Ericsson, Anders J., assignor.)						
Actien Gesellschaft für Anilin Fabrikation. (See Gley, Richard, assignor.)						
Actien Gesellschaft für Anilin Fabrikation. (See Herzberg and Siebert, assignors.)						
Actien-Gesellschaft für Chemische Industrie. (See Hofmeier, Julius, assignor.)						
Actien-Gesellschaft Gölritzer Maschinenbau-Anstalt und Eisengiesserei. (See Neumann, Hugo A. J., assignor.)						
Actien-Maschinenfabrik "Kyffhäuserhütte," vorm. Paul Reuss. (See Schlegelmilch, Robert, assignor.)						
Acton, James J., Eldon, Iowa. Hay-rack attachment	752,745	Feb. 23	3721	830	108	192

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Adair, Arthur B. (See Bagley, Frank A., assignor.)						
Adair, Charles E., Columbus, Ohio, assignor to E. J. and W. E. Jones. Egg-tray for incubators	749,143	Jan. 12	1902	257	108	295
Adair, Charles E., assignor to E. J. and W. E. Jones, Columbus, Ohio. Brooder	749,144	Jan. 12	1808	257	108	295
Adam, Andrew, Kenilville, Ind. Fence-post	753,947	Mar. 1	237	54	109	54
Adam, Joseph. (See Beauregard, Stanislas, assignor.)						
Adams, Abraham L., Bridgeport, Conn. Folder for cloth strips	756,451	Apr. 5	526	110	109	1455
Adams, Abraham L., Bridgeport, Conn. Machine for cutting, folding, and winding strips of flexible material	764,328	July 5	842	171 172	111	185
Adams, Andy C. (See Adams, Edwin L. and A. C.)						
Adams, Arthur J., Chicago, Ill. Extension-gas-bracket support	771,219	Oct. 4	1	1	112	961
Adams-Bagnall Electric Company et al. (See Oscanayan, Paul C., assignor.)						
Adams, Charles A., Sanco, Tex. Implement attachment	774,143	Nov. 8	1195	255	113	287
Adams, Charles F., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Commutator-lead and making same	751,440	Feb. 9	1219	279	108	1335
Adams, Charles S. (See Powell and Williams, assignors.)						
Adams, Charles S., and A. J. Rice, Buffalo, N. Y. Apparatus for cleaning and sterilizing milk-bottles or similar articles	764,222	July 5	643	130	111	143
Adams Company. (See Farwell, Fay O., assignor.)						
Adams, Dennis P., Huntington, W. Va. Miner's check-holder	752,638	Feb. 23	3527	785	108	1877
Adams, Drilling Company. (See Adams, Thomas E., assignor.)						
Adams, Edward E., New York, N. Y. Bottle-closure	756,770	Apr. 5	1100	243	109	1578
Adams, Edwin L. and A. C., assignors of one-third to A. Seover, Edgar, Nebr. Apparatus for loading grain-cars	769,126	Aug. 30	6132	1282	111	2476
Adams, Ernest K., New York, N. Y. Station-indicator	761,124	May 31	5091	1041	110	1301
Adams, Francis E., assignor to Coffin Valve Company, Boston, Mass. Water-gate	771,959	Oct. 11	1485	336	112	1369
Adams, Frederick R., San Francisco, Cal. Collapsible paper box	756,311	Apr. 5	324	49	109	1394
Adams, George H., Phoenix, Ariz. Terr. Apparatus for treating the soil	768,257	Aug. 23	4340	913	111	2058
Adams, Harry, Fostoria, Ohio. Coffee-pot	751,709	Feb. 9	1703	388	108	1439
Adams, Harry F. (See Ketchen and Adams.)						
Adams, Harry L., Philadelphia, Pa. Pencil-sharpener	749,011	Jan. 5	910	192	103	212
Adams, Henry A., Sandwich, Ill. Hair-roller	749,711	Jan. 15	2375	502	108	269
Adams, Henry S., Sandwich, Ill. Hay-loader	758,955	May 3	449	89	110	110
Adams, Henry C. (See Uhlig, Richard W., assignor.)						
Adams, Henry C., Algona, Iowa. Hair-crimper	776,636	Dec. 6	340	73	113	1503
Adams, Henry P., Salem, Ohio. Window curtain and shade adjuster	750,332	Jan. 26	3559	771	108	844
Adams, Henry P., Salem, Ohio. Agricultural implement	762,372	June 14	1467	320	110	1777
Adams, Henry W., Jr., Chicago, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vehicle-wheel	773,771	Nov. 1	447	99	113	105
Adams, Henry W., Jr., Chicago, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vehicle-wheel	774,411	Nov. 8	1680	360	113	394
Adams, Hugh M., Washington, D. C. Portable storm-front for street-railway cars	773,618	Nov. 1	154	35	113	40
Adams, Hugh M., Washington, D. C. Portable storm-front for street-railway cars	773,619	Nov. 1	157	36	113	41
Adams, Hugh M., Washington, D. C. Portable storm-front for street-railway cars	773,620	Nov. 1	161	36	113	41
Adams, Irving C., Cumberland, Md. Music-holder	774,814	Nov. 15	2499	538	113	593
Adams, Isaac D., Nashua, N. H. Shingle-holder	753,531	Mar. 1	607	138	109	132
Adams, Jacob K., Hoopeston, Ill. Combined door stop and spring	751,825	Feb. 9	1942	440 441	108	1490
Adams, James. (See Harris and Adams.)						
Adams, James. (See Wagoner and Adams.)						
Adams, James M. (See Lamb and Adams.)						
Adams, Joel U., Cincinnati, Ohio. Body-brace	766,863	Aug. 9	1521	318	111	1397
Adams, John, Piqua, Ohio. Scouring-board	759,147	May 3	1097	223	110	249
Adams, Joseph W., Santa Ana, Cal. Breaching-strap holder	765,303	July 19	2790	582	111	640
Adams, Laundry Machinery Company. (See Sharp, Alonzo, assignor.)						
Adams, Moses J., Scotswood-on-Tyne, assignor to S. H. Adams, Harrogate, England, Apparatus for emptying liquid-tanks	760,770	May 24	4368	928 929	110	1029
Adams, Olin, Chicago, Ill. Bottle-stopper	771,960	Oct. 11	1486	337	112	1289
Adams, Otto, Richmond Hill, N. Y. Lock for scuttle-covers	768,418	Aug. 23	4684	961	111	2140
Adams, Otto, New York, N. Y. Flushing-tank	769,525	Sept. 6	761	164	112	172
Adams-Randall, Charles, New York, N. Y. Electric-telegraph system	752,923	Feb. 23	4093	912 913	108	2003
Adams-Randall, Charles, New York, N. Y. Telegraph-transmitter	758,232	Apr. 26	4026	874	109	2259
Adams-Randall, Charles, Boston, Mass. Telephone system	777,324	Dec. 13	1688	373	113	1816
Adams-Randall, Charles, New York, N. Y., assignor to Randall and Carey Vibrat-Massage Machine Company. Massage apparatus	770,708	Sept. 20	2990	633	112	707
Adams-Randall, Charles, New York, N. Y., assignor to Randall and Carey Vibrat-Massage Machine Company. Electromechanical vibratory-massage apparatus	778,621	Dec. 27	4281	934 935	113	2369
Adams-Randall, Charles, New York, N. Y., assignor to Randall and Carey Vibrat-Massage Machine Company. Electromechanical apparatus for vibratory massage	778,771	Dec. 27	4552	996 997	113	2460
Adams, Richard B., New York, N. Y. Crinkler or minimizer	759,483	May 17	2547	533	110	607
Adams, Robert, London, England. Window-sash	766,532	Apr. 5	700	151	109	1491
Adams, Robert P., assignor to I. McAllister and W. Ross, Jamestown, N. Y. Lumber-sorter's toe-cap	756,198	Apr. 5	1	1	109	1343
Adams, Samuel H. (See Adams, Moses J., assignor.)						
Adams, Samuel M., Powhattan, Kans. Cultivator	752,746	Feb. 23	3723	830 831	108	1920
Adams, Thomas E. (See Bayler, Adolph, assignor.)						
Adams, Thomas E., Pine Bluff, Ark. Locomotive-tender frame	772,828	Oct. 18	2621	495	112	1485
Adams, Thomas E., assignor to Adams Drill Company, Cleveland, Ohio. Rock-drill	773,112	Oct. 25	3933	838 839	112	1878
Adams, Thomas F., Indianola, Nebr. Incubator	750,333	Jan. 26	3561	771	108	844
Adams, Thos. Cutting Machine Company. (See Faltermayer, Harry, assignor.)						
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Maximum-traction car-truck	760,291	May 17	3406	718	110	801
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Maximum-traction truck	760,292	May 17	3407	719	110	801
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Maximum-traction truck	760,293	May 17	3408	719	110	801
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Maximum-traction truck	760,294	May 17	3409	719	110	801
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Maximum-traction truck	761,347	May 31	5324	1178	110	1295
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Car-brake	771,332	Oct. 4	599	134	112	1086
Adams, Walter S., assignor to J. A. Brill, Philadelphia, Pa. Curtain-rod	774,962	Nov. 15	2790	597	113	658
Adams and Westlake Company. (See Hamm, William S., assignor.)						
Adams and Westlake Company. (See Kerber, Louis H. W., assignor.)						
Adams & Westlake Company. (See Mosher, John A., assignor.)						
Adams and Westlake Company. (See Mosher and Legge, assignors.)						
Adams, William T., Reading, Pa., assignor, by mesne assignments, to Consolidated Hardware Company. Tramson-lifter	772,600	Oct. 18	2801	617	112	1602

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Adamson, Alfred, Lynn, Mass. Frictional reversing-gear.....	738,494	Apr. 26	4559	980	109	2379
Adamson, Thomas, New York, N. Y. Distance or range finding instrument.....	748,567	Jan. 5	1	1	108	8
Adamson, William L., Philadelphia, Pa. Electrically-operated stopping means at railway danger-signals.....	734,406	Mar. 15	2391	523	109	557
Adamson, William L., Philadelphia, Pa. Means for stopping railway-trains at danger-signals.....	737,711	Apr. 19	3008	653	109	2018
Adde & Company. (See Ek, Emil, assignor.)						
Adder Machine Company. (See Wales, Charles, assignor.)						
Addicks, Walter R., Brookline, Mass. Apparatus for manufacturing carbureted water-gas.....	738,882	May 3	614	122	110	146
Adie, Herbert G., Cresco, Iowa. Device for replacing fuses.....	772,302	Oct. 11	8000	441	112	1404
Addie, Herbert G., Cresco, Iowa. Telephone attachment.....	777,173	Dec. 13	1402	310	113	1754
Addington, Abraham, Cedarville, Cal. Buckle.....	754,731	Mar. 15	3048	665	109	700
Addison, Robert, Pasadena, Cal. Saw-set.....	767,130	Aug. 9	2056	428	111	1517
Addressograph Company. (See Duncan, Joseph S., assignor.)						
Adley, Benjamin, Leeds, England. Cooling or refrigerating apparatus.....	735,429	Mar. 22	4326	956	109	993
Addy, Charles. (See Addy, Marion, assignor.)						
Addy, Marion, Bartonville, assignor of one-half to C. Addy, Mapleton, Ill. Hay-stacker.....	769,288	Sept. 6	303	70,71	112	65
Adelsperger, Charles C., assignor to Union City Body Company, Union City, Ind. Vehicle-body.....	763,451	June 28	3663	788 789	110	2297
Adelsperger, Dow L. (See Deards, Copenhagen, and Adelsperger.)						
Adelsperger, Dow L., assignor to Foss Manufacturing Company, Springfield, Ohio. Separator.....	750,071	Jan. 19	3074	660 661	108	716
Adkins, Arthur G. (See Jackson and Adkins.)						
Adkins, Calvin, Anselmo, Nebr. Wire-stretcher.....	764,408	July 5	1021	208	111	227
Adkins, John C., Stockton, Cal. Apparatus for boring wells.....	760,371	Sept. 6	473	105	112	107
Adkins, Robert B., Pittsburg, Pa. Car-coupling.....	773,843	Nov. 1	596	128	113	137
Adlam, Samuel, New York, N. Y. Cushion-tire.....	732,639	Feb. 23	3329	785	108	1877
Adler, Sidney J. (See Alschuler, Alfred S., assignor.)						
Adler, Sidney J. (See Alschuler and Adler.)						
Adlersfeld, Hugo R. G. von. (See Lurz, Andreas, assignor.)						
Adolph, Robert, New York, N. Y. Watch-protector.....	766,409	Aug. 2	533	112	111	1157
Adrian Wire Fence Company. (See Sturtevant, Orange S., assignor.)						
Adrian Wire Fence Company. (See Tiffany, George S., assignor.)						
Adrian Wire Fence Company. (See Withington, Sherman S., assignor.)						
Adriance, Benjamin, and A. Calleson, New York, N. Y.; said Calleson assignor to said Adriance. Can-testing machine.....	762,604	June 14	1950	421 422	110	1879
Adriance, Benjamin, and A. Calleson, New York, N. Y.; said Calleson assignor to said Adriance. Making sheet-metal boxes or cans.....	770,948	Sept. 27	3472	733	112	834
Adriance, Emeline K., et al. (See Metosh, Frank B., assignor.)						
Adriance, Platt & Company. (See Brown, Thomas S., assignor.)						
Adriance, Platt & Company. (See Case, Henry J., assignor.)						
Adriance, Platt & Company. (See Nicht, Joseph, assignor.)						
Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Quilling-machine.....	737,081	Apr. 12	1726	375	109	1735
Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Quilling-machine.....	774,020	Nov. 1	965	201 202	113	217
Att, Howard E., New Haven, assignor to Geometric Drill Company, Westville, Conn. Tap.....	764,409	July 5	1022	208	111	227
Att, Howard E., New Haven, assignor to Geometric Drill Company, Westville, Conn. Screw-cutting die.....	764,410	July 5	1024	209	111	227
Adt, Leo F., Troy, N. Y. Eyeglasses.....	756,312	Apr. 5	235	49	109	1394
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,509	Aug. 2	877	185	111	1233
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,570	Aug. 2	879	185	111	1233
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,571	Aug. 2	880	185	111	1234
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,572	Aug. 2	882	186	111	1234
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,573	Aug. 2	884	186	111	1235
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,574	Aug. 2	886	186	111	1235
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,575	Aug. 2	888	186	111	1236
Adt, Leo F., Troy, N. Y. Eyeglasses.....	766,651	Aug. 2	1050	220	111	1274
Adt, Leo F., Troy, N. Y. Eyeglasses.....	768,898	Aug. 30	5562	1168	111	2349
Adt, Leo F., Troy, N. Y. Guard for eyeglasses.....	770,249	Sept. 20	2099	442	112	507
Advance Furnace Company of America. (See Stevens and Timmerman, assignors.)						
Advance Machinery Company. (See Dake, Charles W., assignor.)						
Adwen, Joseph H., Rochester, N. Y. Device for straining liquids.....	732,019	Feb. 16	2393	522 523	108	1595
Ady, Joseph W., Jr., Colorado Springs, Colo. Switch-shifter for street-railway switches.....	773,179	Oct. 25	4121	870 871	112	1917
Aeberli, Edwin. (See Kern, Fritz, assignor.)						
Aeolian Company. (See Dickinson, Joseph H., assignor.)						
Aeolian Company. (See Kelly, George B., assignor.)						
Aeolian Company. (See Pain, Robert W., assignor.)						
Aeolian Company. (See Pain, Willard S., assignor.)						
Aeolian Company. (See Perkins, Edward R., assignor.)						
Aeolian Company. (See Taft, Frank, assignor.)						
Aeolian Company. (See Votey, Edwin S., assignor.)						
Aeolian Company. (See Webb, Francis G., assignor.)						
Aeolian Company. (See Wehn, Peter, assignor.)						
Aero-Pulverizer Company. (See Tench, George H., assignor.)						
Aero-Pulverizer Company. (See Wheeldon, William M., assignor.)						
Afemian, Ernest J., Morrow, La. Cotton-seed bin.....	778,732	Dec. 27	4473	979	113	2442
Agatine Shoe Hook and Eyelet Company. (See Pupke, Eberhard L., assignor.)						
Agee, George M., assignor of one-half to Danford & Terrill, Blockton, Iowa. Windmill-regulator.....	759,491	May 10	1860	374	110	442
Agnew, Augustus H. (See Nowland, George A., assignor.)						
Agobian, George, New York, N. Y. Match-box.....	749,600	Jan. 12	2144	447	108	502
Agobian, George, New York, N. Y. Can-opener.....	767,131	Aug. 9	2059	428	111	1517
Agobian, George, assignor to J. Ratzer, New York, N. Y. Pulley-block.....	760,944	May 24	4711	1004	110	1102
Ahern, John. (See Stapleton and Ahern.)						
Ahern, John T., et al. (See Morris, John O., assignor.)						
Ahlberg, Gustav A. F., Pittsburg, Pa. Rotary air-compressor.....	761,933	June 7	638	128 129	110	1580
Ahlstrom, Axel G. (See Andersson and Ahlstrom.)						
Ahlvin, John E., Joliet, Ill. Joinery.....	772,118	Oct. 11	1823	404	112	1365
Ahlvin, John E., Joliet, Ill. Hinge.....	772,119	Oct. 11	1824	404	112	1365
Ahrendt, Hermann, Berlin, Germany. Inverted incandescent gas-burner.....	766,652	Aug. 2	1052	220	111	1274

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Aiken, Edward L. (See Lees and Aiken.)						
Aiken, Edward L., East Orange, assignor to New Jersey Patent Company, Orange, N. J.						
Repeating attachment for phonographs	775,591	Nov. 22	4189	882	113	1001
Aiken, Harry, <i>et al.</i> (See Slattery, George H., assignor.)						
Aiken, Henry, Pittsburg, Pa. Fluid-motor system	764,329	July 5	848	172 173 174	111	186
Aiken, Henry W. (See Anderson, Charles W., assignor.)						
Aiken, Robert H., Jerome, Ariz. Ter. Converting mattes	755,557	Mar. 22	4543		109	1040
Aikens, Linwood B., Rockledge, Fla. Trolley-guard	761,637	June 7	1	1	110	1435
Aikens, William J. (See Scott, James S., assignor.)						
Aikman, Bert, Chicago, Ill. Circuit-controller for electrically-propelled vehicles	771,523	Oct. 4	600	134	112	1086
Aikman, Fred B. (See Conner, James B., assignor.)						
Aims, Walton L., New York, N. Y. Shield tunnel construction	774,546	Nov. 8	1985	419 420	113	447
Ainlay, William, Brussels, Canada. Pole-tip	766,011	July 26	4228	902	111	959
Ainley, John S., Huddersfield, and E. Hollingworth, Dobcross, England: said Hollingworth assignor to Crompton & Knowles Loom Works. Underpick motion for looms	765,694	July 26	3596	764	111	827
Ainsley, David L., Lemont, Pa. Automatic brake	754,184	Mar. 8	1903	424	109	436
Ainsworth, Jesse, Lyons, Kans. Portable conveyer	774,731	Nov. 15	2333	505	113	555
Air Tight Closure Company. (See Page, Frank C. B., assignor.)						
Aird, Henry, Troy, N. Y. Flushing-box for closets	776,481	Dec. 6	1	1	113	1423
Aires, Eugene E., Lima, Ohio. Clamp	761,282	May 31	5399	1149	110	1228
Airhart, Albert E., Cheney, Wash. Hat-faster	774,963	Nov. 15	2792	597	113	659
Airhart, Cornelius L., <i>et al.</i> (See Hensley, Charles S., assignor.)						
Aitchison, Agnes L., <i>et al.</i> (See Murray, Peter, assignor.)						
Aitchison, James. (See Newbold, Harry, assignor.)						
Aitchison, James, London, England. Prismatic telescope, binocular, or the like	765,607	July 19	3403	718	111	772
Aiken, James, The Breakwater, near Geelong, Victoria, Australia. Rotary pump for air, water, or other fluids. (Roissue)	12,250	Aug. 23	4995	1045 1046	111	2205
Akass, Edward T. A., Chicago, Ill. Loose-leaf binder	752,747	Feb. 23	3726	831	108	1921
Akers, Charles W., Bluefield, W. Va. Rotary engine	772,265	Oct. 11	2131	465	112	1434
Akers, Earl C., Port Huron, Mich. Hatch for ships	777,878	Dec. 20	2807	617	113	2070
Akers, Earl C., Port Huron, Mich., assignor, by mesne assignments, to Akers Steering Gear Company, Chicago, Ill. Auxiliary steering-gear for ships	772,309	Oct. 11	2213	485	112	1452
Akers, Earl C., Port Huron, Mich., and R. Ross, Sarnia, Canada. Overflow device for sinks	757,871	Apr. 19	3315	718	109	2085
Akers, Frederick I. E., Chicago, Ill. Dumping-vehicle	755,268	Mar. 22	4024	892	109	928
Akers, John H., Washington, D. C. Electric-railway plow	754,832	Mar. 15	3229	703	109	740
Akers, Joseph A., <i>et al.</i> (See Hensley, Charles S., assignor.)						
Akers Steering Gear Company. (See Akers, Earl C., assignor.)						
Akeson, Anders, assignor to Atlas Light & Power Company, Boston, Mass. Carbureter	772,551	Oct. 18	2709	596	112	1581
Akin, John H., Ames, Iowa. Fence-barb	756,313	Apr. 5	237	49	109	1395
Akins, Henry K., Grand Saline, Tex. Leveling instrument	755,871	July 26	3954	844	111	900
Akron Extract & Chemical Company. (See Hall, Cortez D., assignor.)						
Akron Glass and Machinery Company. (See Bridgwater and Haley, assignors.)						
Akron Glass and Machinery Company. (See Haley, Jonathan, assignor.)						
Aktiebolaget L. M. Ericsson & Co. (See Ericsson, Lars M., assignor.)						
Aktiebolaget Stockholms Vapenfabrik. (See Kjellman, Rudolf H., assignor.)						
Aktien-Maschinenfabrik "Kryfhäuserhütte" vorm. Paul Reuss. (See Schlegelmilch, Robert, assignor.)						
Aktieselskabet Bornholm Granitvaerk. (See Weiller, Ferdinand J. H., assignor.)						
Alamo Manufacturing Company. (See Reek, John, assignor.)						
Alaska Packers Association. (See Munn, William, assignor.)						
Albee, George M., Worcester, Mass. Holder for hitching-weights	753,835	Mar. 8	1245	280	109	289
Albee, Harry C., Portland, Oreg. Seine-hauling apparatus	754,833	Mar. 15	3231	704	109	741
Albee, Washington L. (See Milroy, Peter D., assignor.)						
Albee, Albert, Philadelphia, Pa. Hat-faster	760,837	May 24	4504	959	110	1057
Alber, Emil G., and F. E. Hedge, Kansas City, Mo. Adjustable curtain-fixture	776,285	Nov. 29	5543	1174	113	1319
Alberger Company. (See Smith, Harry J., assignor.)						
Alberger Condenser Company. (See Alberger, Louis R., assignor.)						
Alberker, Louis R., Greenwich, Conn., assignor to Alberger Condenser Company, New York, N. Y. Surface condenser	764,541	July 12	1323	269	111	307
Albers, John E., Wisner, Nebr. Oil-car	775,324	Nov. 22	3595	762	113	869
Albert, Charles A., Aspinwall, Pa. Curtain-pole	769,141	Sept. 6	1	1	112	3
Albert Russell & Sons Company. (See Sanborn and Runnells, assignors.)						
Albertson, Benjamin, <i>et al.</i> (See Lane, George M., assignor.)						
Albertson, Emory. (See Wilson, Charles H., assignor.)						
Albertson, Sarah A., Knoxville, Tenn. Dust-pan	768,871	Aug. 30	5618	1180	111	2360
Albertson, Silas W., Roslyn, N. Y. Sand-wagon	769,977	Sept. 13	1596	340	112	376
Alberty, Leon M., and C. S. Nixon; said Nixon assignor to T. James, Milwaukee, Wis. Non-refillable bottle	763,948	July 5	1	1	111	3
Albiez, John L., Jr., West Homestead, Pa. Combined tie and chair for railways	761,972	July 12	321	455	111	497
Albin, Jeremiah W., Babylon, and L. A. Seaman, Mineola, N. Y. Pneumatic leaf-turner	772,771	Oct. 18	3152	686	112	1676
Albrand, George E., Rock Island, Ill. Stuffing-box	766,033	July 26	4392	940	111	995
Albrecht, Christian. (See Mayer and Albrecht.)						
Albrecht, Francis J., Pittsburg, Pa. Oven-front	754,035	Mar. 8	1630	363	109	375
Albrecht, Francis J., Pittsburg, Pa. Front for ovens	760,945	May 24	4712	1004	110	1102
Albrecht, Herman S. (See Schoellhorn and Albrecht.)						
Albrecht, John, Middleton, Wis. Cloth-loading device	765,951	July 26	4096	875	111	932
Albrecht, Nunnally H., Columbus, Ga. Rod-packing	754,834	Mar. 15	3233	704	109	741
Albrecht, Oscar A., and T. L. Ringwalt, Omaha, Nebr., assignors to O. A. Albrecht Company. Lace-tipping machine	763,832	June 28	4385	1933 1934	110	2450
Albee, Chester B., Allegheny, Pa. Hydraulic intensifier	763,833	June 28	4390	954	110	2452
Albright, David A., Afton, W. Va. Cloth-measuring machine	774,634	Nov. 8	2954	456	113	480
Albright, Edward A., <i>et al.</i> (See Twining, William A., assignor.)						
Albright, Sarah F., Sidney, Ohio. Sash-faster	766,012	July 26	4229	902	111	960
Alcorn, Robert, <i>et al.</i> (See Cross, Marion G., assignor.)						
Alcorn, William, Gardengrove, Iowa. Road-grader	770,145	Sept. 13	1894	402	112	448
Alden, Daniel H., <i>et al.</i> (See Tower, William G., assignor.)						
Alden, Herbert W. (See Maxim, Pope, and Alden.)						
Alden Type Machine Company. (See Johnson, Louis K., assignor.)						
Alderman, Daniel W., assignor of two-thirds to P. S. Armentrout and O. A. Pope, Covington, Va. Car-coupling knuckle	760,946	May 24	4713	1004	110	1102
Alderman, Earle S., Marietta, Ohio. Twine holder and lifter	774,021	Nov. 1	968	202	113	320
Aldrich, George A., San Francisco, Cal. Impulsive steam-engine	776,637	Dec. 6	342	73	113	1503

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Alfred Peats Company. (See Moog, Philip H., assignor.)						
Alger, Marshall, Wheeling, W. Va. Motor	766,410	Aug. 2	534	112	111	1157
Algonquin Electric Brake Corporation. (See Anthon, George C., assignor.)						
Algonquin Electric Brake Corporation. (See Crafts, Perley P., assignor.)						
Algonquin Electric Brake Corporation. (See Spiller, Harry A., assignor.)						
Algrin, René, Paris, France. Explosion-motor	763,535	June 28	3802	823	110	2336
Aliano, Frank S., New York, N. Y. Lock	760,599	May 24	3989	824	110	948
Alitto, Antonio, Chicago, Ill. Stove-grate	768,454	June 28	3669	791	110	2299
Alkus, Harry L., C. A. Sinclair, and W. T. Krigbaum, Oakland, Cal. Collar	770,250	Sept. 20	2100	442	112	507
Allam, Hiram V., Denver, Colo. Screw-holding attachment for screw-drivers	772,912	Oct. 25	3426	714	112	1756
Allan, Archibald F., and J. A. Lenhoff, Wilmington, Del. Coupling for air-brake hose	761,024	May 24	4693	1085	110	1139
Allan, William, Pawtucket, R. I. Top-clearer for spinning-frames	778,733	Dec. 27	4474	1036	113	2442
Allard, J. Frank, assignor to Underwood Typewriter Company, New York, N. Y. Card type-writer	769,811	Sept. 13	1271	273	112	304
Allardice, James A., Rome, assignor to Hathorn & Company, Saratoga Springs, N. Y. Filling apparatus	769,244	Sept. 6	206	49	112	45
Allderdice, Winslow, Warren, Ohio. Pipe-mandrel	757,872	Apr. 19	3316	715	110	2085
Alleman, Leon R., Rochester, Pa. Cylinder for steam-engines	763,586	June 28	3898	847	110	2346
Allen, Abram C., Dayton, assignor to E. Kennedy, Montgomery county, Ohio. Apparatus for welding iron and steel	760,600	May 24	3993	848	110	949
Allen, Alfred J., Henderson, Ky. End-gate	768,165	Aug. 23	4160	875	111	2018
Allen, Benajah S., Dedham, Mass. Machine for doubling and twisting yarn	775,550	Nov. 22	4102	863	113	982
Allen, Benjamin, 3d, et al. (See Schaffer, Philip F., assignor.)						
Allen, Benjamin F. (See Ford and Allen.)						
Allen, Bona, Jr., Buford, Ga. Tanning-wheel	756,553	Apr. 5	701	152	109	1491
Allen, Bona, Jr., Buford, Ga. Tanning-drum	756,554	Apr. 5	704	152	109	1491
Allen, Boyd W., Boston, Mass. Junction-box for electric wires in buildings	754,111	Mar. 8	1780	305	109	409
Allen, Charles, El Paso, Tex. Automatic silt and sand separator	754,732	Mar. 15	3049	665	109	700
Allen, Charles, El Paso, Tex. Automatic ore and slime separator	754,911	Mar. 15	3378	738	109	772
Allen, Charles, El Paso, Tex. Automatic ore and pulp sampler	754,912	Mar. 15	3379	739	109	772
Allen, Charles B., Wadsworth, Ohio. Cylinder-lubricator	777,705	Dec. 20	3547	564	113	2017
Allen, Charles D. (See Smith, Herbert S., assignor.)						
Allen, Charles D., Oklahoma, Okla. Ter. Display rack or case	757,643	Apr. 19	2887	629	109	1992
Allen, Charles J., Sabina, Ohio. Pump	750,560	Jan. 26	3998	864	108	933
Allen, Charles L., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Heel-compressing machine	776,823	Dec. 6	717	159	113	1585
Allen, Charles M. (See Baggeley and Allen.)						
Allen, Charles R. (See Davis, John T., assignor.)						
Allen, Charles W., Merriman, Neb. Rotary engine	749,712	Jan. 19	2376	502	108	567
Allen, Charles W., Merriman, Neb. Rotary engine	764,097	July 5	374	71	112	82
Allen, Charles W., Philadelphia, Pa. Lever-balance	776,880	Dec. 6	846	181	113	1613
Allen, Chester B., Johnson City, Tenn., assignor to said Allen, W. E. Uptegrove, New York, and J. P. Uptegrove, Brooklyn, N. Y. Veneer-cutting machine	769,041	Aug. 30	5965	1249	111	2440
Allen, Clarence L., assignor to Cotton Collar Company, Atlanta, Ga. Collar-stuffing machine	767,196	Aug. 9	2191	457	111	1545
Allen, David M., Urbana, Ill. Trace-end supporter	758,495	Apr. 26	4561	980	109	2380
Allen, Debbie E., San Francisco, Cal. Strainer attachment for washbasins	750,443	Jan. 19	3015	646	108	705
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Thread-cutting device for sewing-machines	749,012	Jan. 5	912	193	108	213
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Button-hole-stitching machine	751,239	Feb. 2	866	198	109	1241
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Thread-cutting device for sewing-machines	757,171	Apr. 12	1914	418	109	1768
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Work-clamp for buttonhole-sewing machines	758,036	Apr. 26	3647	789	109	2177
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Button-hole cutting and stitching machine	758,097	Apr. 26	3650	790	109	2177
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Button-hole-stitching machine	766,128	July 26	4454	854	111	1009
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Button-hole cutting and stitching machine	767,539	Aug. 16	2855	853	111	1710
Allen, Edward B., Elizabeth, N. J., assignor to Singer Manufacturing Company. Work-clamp for buttonhole cutting and stitching machines	767,539	Aug. 16	2855	853	111	1710
Allen, Edwin T., Detroit, Mich. Burial-vault	765,540	Aug. 16	2860	597	111	1712
Allen, Elmer V., Hiawatha, Kans. Water-lift machine	755,986	Mar. 29	5148	1197	108	875
Allen, Ernest J. (See Hendrickson and Allen.)						
Allen, Eugene D. (See Lane and Allen.)						
Allen, Everett P., Chicago, Ill. Valve	757,873	Apr. 19	3317	719	109	2085
Allen, Frank E., Carney, Pa. Sprinkling attachment for wagons	758,751	May 3	329	59	110	76
Allen, Frank R., and G. Andrectia, Passaic, N. J. Lock-nut	772,120	Oct. 11	1826	405	112	1366
Allen, Fred H., Somerville, Mass. Gas-burner	740,251	Jan. 12	1421	305	108	346
Allen, Frederick E., Boston, Mass. Drying apparatus	767,727	Aug. 16	3196	672	111	1786
Allen, Frederick H., Dunkirk, N. Y. Trolley-harp device	749,601	Jan. 12	2145	447	108	502
Allen, G. Gaines M., and S. M. Cawker, Denver, Colo. Electric attachment for rocking-chairs	759,148	May 3	1098	223	110	250
Allen, George F. (See Lavery, James A., assignor.)						
Allen, George H., Clinton, N. Y. Picture-frame	752,943	Feb. 23	4144	923	108	2013
Allen, Golden P., Walthamston, England. Folding hammock-stand	757,428	Apr. 19	2435	531	109	1893
Allen and Hanbury. (See Buckley, James F., assignor.)						
Allen, Heber, Blount, Ill. Fence	751,600	Feb. 9	1511	343	108	1399
Allen, Henry. (See Allen, William B. and H.)						
Allen, Henry A., Chicago, Ill. Ore-separator	762,866	June 21	2507	542	110	2021
Allen, Henry A., Chicago, Ill. Ore-separator	762,867	June 21	2509	543	110	2021
Allen, Henry A., Chicago, Ill. Apparatus for separating materials of different gravities	762,868	June 21	2511	544	110	2021
Allen, Henry A., Chicago, Ill. Apparatus for separating materials of different gravities	762,869	June 21	2514	545	110	2022
Allen, Henry A., Chicago, Ill. Apparatus for separating materials of different gravities	762,870	June 21	2516	545	110	2022
Allen, James A., Seattle, Wash. Hose-coupling	763,652	June 28	4019	876	110	2371
Allen, James B., assignor to American Typograph Company, Detroit, Mich. Perforating-machine	764,098	July 5	375	72	111	82

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Allen, James H., Coal Valley, assignor of three-eighths to C. A. Rankin, McKeesport, Pa. Mine or pit car	755,342	Mar. 22	4169	931	109	959
Allen, James M., Hollis, Okla. Ter. Pump-stand	778,163	Dec. 20	3367	740	113	2185
Allen, James W., St. Louis, Mo. Lamp for canes, umbrellas-sticks, or the like	754,631	Mar. 15	2840	620	109	653
Allen, John H., East Orange, N. J., assignor to Continuous Rail Joint Company of America. Rail-joint	776,005	Nov. 29	5021	1059	113	1201
Allen, John H., East Orange, N. J., assignor to Continuous Rail Joint Company of America. Rail-joint	776,006	Nov. 29	5022	1059	113	1201
Allen, John J., Portland, Oreg. Painting apparatus	769,372	Sept. 6	473	105	112	108
Allen, John R. (See Darrow, Wood, and Allen.)						
Allen, Lewis A., Passaic, N. J. Closing device for powder-containers	769,331	Sept. 6	390	90	112	84
Allen, Lewis C., Pittsburg, Pa. Electrical street and station indicator	766,864	Aug. 9	1522	318	111	1397
Allen, Louis, Salem, Mass. Bridge-signal	770,036	Sept. 13	1703	361	112	402
Allen, Lyman H., assignor of four-fifths to O. A. Johnson, C. E. and W. O. Bye, Kansas City, Mo., and M. E. Stewart, Sonora, Cal. Ore roasting and oxidizing apparatus	766,156	July 26	4520	965	111	1022
Allen, Mathew S. (See Sturgis and Allen.)						
Allen, Patrick A., Toledo, Ohio. Water-closet	754,733	Mar. 15	3051	666	109	701
Allen, Philip E. (See Bird and Allen.)						
Allen, Robert, Chattanooga, Tenn. Sterilizer	773,533	Nov. 1	1	1	113	3
Allen, William B. and H., Pittsburg, Kans. Grain-scourer	759,321	May 10	1297	261	110	313
Allen, William E., Lynn, Mass., assignor to Sawyer Spindle Company. Bobbin-clutch- ing means for rotatable spindles	769,675	Sept. 6	1027	222	112	235
Allen, William E., Salem, Mass., assignor to Sawyer Spindle Company. Bobbin-clutch- ing means for rotatable spindles	775,883	Nov. 22	4749	1006	113	1119
Allen, William E., Salem, Mass., assignor to Sawyer Spindle Company. Bobbin-clutch- ing means for rotatable spindles	776,163	Nov. 29	5312	1123	113	1266
Allen, William N., Ironton, Ohio. Plow attachment	770,412	Sept. 20	2421	512	112	562
Allen, William R., Hoquiam, Wash. Shaving apparatus	761,808	June 7	396	81	110	1527
Allen, William Y., Chico, Cal. Harvester threshier and separator	750,044	Jan. 19	3016	646	108	705
Allen, William W., Ballinger, Tex. Hydraulic motor	766,801	Aug. 9	1395	291	111	1371
Allen, Willis E., Honolulu, Hawaii. Obtaining correct dental impressions	760,295	May 17	3410	720	110	802
Allenbach, Christian, Chicago, Ill. Railway-sanding device	769,929	Sept. 13	1510	323	112	358
Alendörfer, John H., borough of Westmont, and M. Owens, Johnstown, Pa. Combination- tool for boring and tapping	758,038	Apr. 26	3656	791	109	2179
Alendörfer, Arthur S., Alma, Mich. Water-heater	773,699	Nov. 1	316	69	113	15
Alendörfer, John C., Kansas City, Mo. Railway-rail	762,373	June 14	1470	320	110	1777
Aliendy, Armand, Paris, France. Folding bedstead	775,121	Nov. 15	3129	664	113	738
Allderding, Cletus N., Mansfield, Ohio. Tile	750,561	Jan. 26	3998	864	108	934
Allderding, Cletus N., Mansfield, Ohio. Building-block and wall	750,562	Jan. 26	3999	864	108	934
Albers, John W., Pittsburg, Pa. Typman guide and holder for printing-presses	768,021	Aug. 23	3385	802	111	1943
Ailey, Stephen E., Glasgow, Scotland. Air-compressor	772,266	Oct. 11	2132	466	112	1435
Allfree, James B., Indianapolis, Ind. Compound steam-engine	761,125	May 31	5094	1082	110	1202
Allfree, James B., Ironton, Ohio. Valve for engines	770,671	Sept. 20	2922	621	112	693
Allgood, Joseph P. (See Allgood, Walton P., assignor.)						
Allgood, Walton P., Devine, Tex., assignor of one-half to J. P. Allgood, Piedmont, Ala. Cultivator attachment	772,995	Oct. 25	3580	775	112	1790
Allyn, Arthur L., Middletown, Conn. Indexing device or card-record system	772,326	Oct. 11	3246	492	112	1460
Alting & Co. (See Stratton, Matthias, Jr., assignor.)						
Allington, William E., Saginaw, Mich. Separating dust from dust-laden air	755,430	Mar. 22	4327	956	109	993
Allington, William E., Saginaw, Mich. Separating dust from dust-laden air	771,691	Oct. 4	927	957	112	1157
Allington, William E., Saginaw, Mich. Apparatus for separating dust from air	772,689	Oct. 18	2975	653	112	1689
Allinson, John T., Warragul, and W. T. S. Robertson, Sale, Victoria, Australia. Puttie- legging	749,911	Jan. 19	2759	592	108	651
Allis, Abram Q., Penn Yan, N. Y. Coin-controlled vending-machine	768,258	Aug. 23	4341	913	111	2058
Allis-Chalmers Company. (See Gerard, John J., assignor.)						
Allis-Chalmers Company. (See Gray, William J., assignor.)						
Allis-Chalmers Company. (See Raddatz, Richard, assignor.)						
Allis-Chalmers Company. (See Schulze-Pillot, Friedrich G. J., assignor.)						
Allis, Thomas V., Bridgeport, Conn. Reducing metal bars into sheets	757,386	Apr. 12	2347	511 512	109	1857
Allis, Thomas V., Bridgeport, Conn. Apparatus for reducing metal bars to sheets in pile in a heated state	775,022	Nov. 15	2927	624	113	693
Allison, Alonzo B., Canton, Ohio. Combined trolley-wire splice and support	773,621	Nov. 1	162	26	113	42
Allison, Edward I., Saginaw, Mich. Composition for pavements	777,173	Dec. 13	1404		113	1755
Allison, Walter H., assignor to National Fibre Company, San Francisco, Cal. Decorti- cating-machine	739,632	Mar. 1	829	180	109	181
Alliss, Laura, Sandwich, Canada. Paper-cutting machine	767,676	Aug. 16	3113	651	111	1767
Allman, Eugene H., Mobile, Ala. Attachment for plows	748,682	Jan. 5	243	56	108	53
Allman, Eugene H., Mobile, Ala. Means for removing sand-bars	753,217	Mar. 1	1	1	109	3
Almendinger, G. Frank. (See Stevenson, John H., assignor.)						
Alloitti, Joseph, Paris, France. Tire for vehicle-wheels	765,536	June 28	3811	824	110	2328
Alsop, Ralph W., New London, Iowa. Gate	772,996	Oct. 25	3582	776	112	1790
Alynn, Gordon R., et al. (See Weber, Theodore T., assignor.)						
Alma Button Company. (See Kerngood, Herman, assignor.)						
Alma Button Company of Baltimore City. (See Bryant, Charles A., assignor.)						
Alma Button Company of Baltimore City. (See Kerngood, Herman, assignor.)						
Alman, Nesbet E., Mooresville, N. C. Hulling-machine	778,094	Dec. 20	3238	712	113	2156
Almcrantz, Gerhard, and F. Danielson, Chicago, Ill. Zither	759,087	May 3	1828		113	212
Alminda, Louise, New Orleans, La. Baby-band	751,240	Feb. 2	875	200	108	1243
Alpin, Ralph, Tarrytown, N. Y. Clothes-line hanger	753,218	Mar. 1	3	1	109	3
Alrutz, Heinrich, and R. Werner, Charlottenberg, Germany. Lock	777,271	Dec. 13	1578	352	113	1792
Alschuler, Alfred S., assignor of one-fourth to S. J. Adler, Chicago, Ill. Post-cap	760,512	May 24	3825	811	110	913
Alschuler, Alfred S., and S. J. Adler, Chicago, Ill. Girder and joist connection for posts	760,511	May 24	3824	811	110	913
Aldorff, Francis. (See Heynsohn, Otto, assignor.)						
Alshtuler, Moses, Wakeegan, Ill. Protector for shirt-waists	769,930	Sept. 13	1512	823	112	358
Alsop, James N., Owensboro, Ky. Generating gaseous mediums from air	758,883	May 3	616	123	110	146
Alsop, James N., Owensboro, Ky. Apparatus for generating gaseous mediums from air	758,884	May 3	620	123	110	147
Alsop, James N., Owensboro, Ky. Treating flour	759,651	May 10	2169	446	110	508
Alsted, Edward P., Truesdell, Wis. Portable apparatus for sharpening the grinding- disks of attrition-mills	764,542	July 12	1326	269	111	307
Alsted, Edward P., Truesdell, Wis. Portable apparatus for sharpening the grinding- disks of attrition-mills	764,543	July 12	1327	270	111	307
Alsted, Edward P., Truesdell, Wis. Portable apparatus for sharpening the grinding-disks of attrition-mills	778,563	Dec. 27	4163	907	113	2373
Alston, John S., Atlantic City, N. J. Cap for bottles	774,023	Nov. 1	970	203	113	221

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Alston, Mathew, Hamilton, Ill. Stovepipe-holder	766,159	Aug. 2	1	1	111	1043
Altou, Oscar W., Lanesboro, Pa. Stone-sawing machine	752,504	Feb. 16	3241	722	108	1795
Alt, Friedrich W. (See Lefinski, Johann J., assignor.)						
Altenbaugh, William F., Tiffin, Ohio, and L. A. Conner, Jr., Pittsburg, Pa., assignors to G. Beatty, trustee, Columbus, Ohio. Glass-blowing machinery	768,970	Aug. 30	5819	1222	111	2408
Alter, Christian. (See Verstraelen and Alter.)	765,451	July 19	3109	651	111	709
Altermatt, George J., Philadelphia, Pa. Magazine cap-pistol	751,039	Feb. 2	474	111	108	1162
Altermatt, George J., Philadelphia, Pa. Toy	757,247	Apr. 12	2055	448	109	1787
Alzheimer, Louis S., St. Louis, Mo. Weaving-apparatus	754,734	Mar. 15	3054	666	109	702
Althoff, Richard A. (See Wright, William H., assignor.)						
Altick, William B., Lancaster, Pa. Telephone-cabinet	756,091	Mar. 29	5612	1239	109	1293
Altick, William B., Lancaster, Pa. Cabinet	756,555	Apr. 5	705	152 153	109	1492
Altman, Ned A. (See Carroll, Wilson J., assignor.)						
Altmann, Adolph, Berlin, Germany. Boiler-alarm	766,576	Aug. 2	890	187	111	1237
Altmann, Emil, Helena, Mont. Elevator	776,980	Dec. 6	1095	223	113	1657
Altmayer, Heinrich, Mannheim, Germany. Apparatus for circulation in boilers	768,322	Aug. 23	4464	937	111	2084
Altmeyer, John W., Springville, Iowa. Metallic fence-post	774,371	Nov. 8	1606	345	113	378
Altolaguirre, Martin, and J. Zubillaga, Artemisa, Cuba. Defecating apparatus	763,084	June 21	2914	628	110	2110
Alton, Lee T., New York, N. Y. Incandescent gas-burner	763,587	June 28	3899	847	110	2347
Altschul, Jacob, New York, N. Y. Ash-cart	761,126	May 31	5095	1082	110	1202
Altstock, Marcus, Lemberg, Austria-Hungary. Mechanism for pulling potato-halms	764,655	July 12	1570	319	111	359
Altwater, Dora. (See Bennett, James H., assignor.)						
Aluminum Compound Plate Company. (See Sachers, Ralph J., assignor.)						
Aluminum Manufacturing Company. (See Koening, Joseph, assignor.)						
Alvis, Charles B., Las Vegas, N. Mex. Ter. Cylinder-cock	777,364	Dec. 13	1767	393	113	1833
Alvord, John W., Chicago, Ill. Automatic device for discharging liquid-tanks	764,099	July 12	1651	336 337	111	376
Alvord, John W., Chicago, Ill. Purifying sewage	770,490	Sept. 20	2582	547	112	618
Alvord, Lillie J., Bedford, Iowa. Kettle	765,411	July 19	3018	632	111	689
Alz, Urban S., Baltimore, Md. Safety device for elevators	762,267	June 14	1249	269	110	1732
Ambach, William F., Woonsocket, R. I. Cloth-shearing machine	763,835	Dec. 28	4394	955	110	2452
Amberson, Linton C., Covington, Ky. Nut-lock	777,469	Dec. 13	1964	434	113	1877
Ambert, Alexandre, Lyons, France. Means for connecting rails	771,692	Oct. 4	928	209	112	1157
Amborn, George, assignor to J. H. Williams and Company, Brooklyn, N. Y. Chain	769,043	Aug. 30	5971	1251	111	2442
Amborn, George, and G. W. Bufford, New York, assignors to J. H. Williams & Company, Brooklyn, N. Y. Chain pipe-wrench	769,042	Aug. 30	5968	1250	111	2441
Amborn, George, and H. C. Chase, New York, assignors to J. H. Williams & Company, Brooklyn, N. Y. Chain pipe-wrench	773,773	Nov. 1	450	100	113	106
Ambrose, Harry. (See Donning, George W., assignor.)						
Ambrose, Robert L., Tarrytown, assignor to Rand Drill Company, New York, N. Y. Pneumatic tool	748,563	Jan. 5	3	1	108	3
Ambrose, Robert L., Tarrytown, assignor to Rand Drill Company, New York, N. Y. Mining-column	776,881	Dec. 6	847	182	113	1613
Ambrose, Thomas A., Uxbridge, England. Roller for window-blinds, maps, &c.	760,367	May 17	3533	744	110	829
Ambrose, William E., assignor of one-half to H. O. Sommer, Washington, D. C. Surgical pad	769,451	Sept. 6	607	133	112	138
Amburn, Otis F., assignor of one-half to O. P. Gibson, Oklahoma, Okla. Ter. Collar and necktie retainer	753,784	Mar. 1	1103	250	109	239
Ambursen, Nils F., Watertown, N. Y. Dam. (Reissue)	12,246	July 26	4531	968	111	1024
Ambursen, Nils F., Watertown, N. Y., and W. L. Church, Newton, Mass. Shell-dam	768,717	Aug. 30	5316	1117	112	2203
Ameud, Otto P., New York, N. Y. Bating or puring skins	763,347	June 28	3419	.....	110	2341
Ameud, Otto P., New York, N. Y. Desulfurizing oil or distillate	764,099	July 5	377	.....	111	83
Ameud, Otto P., New York, N. Y. Treating pickled or tanned skins or hides	768,259	Aug. 23	4343	.....	111	2058
America Company. (See Sutton, William S., assignor.)						
American Amusement Company. (See Gilman, Willard H., assignor.)						
American Arithmometer Company. (See Jackson, Albert C., assignor.)						
American Automatic Advertising Company. (See Lundin, Efraim, assignor.)						
American Automatic Indicator Manufacturing Company. (See Wehrmann, Frank H., assignor.)						
American Automatic Switch Company. (See Collins, Roy V., assignor.)						
American Bag Filling Machine Company. (See Bowden, Sumner B., assignor.)						
American Ball-Bearing Company. (See Baker, Walter C., assignor.)						
American Bank Protection Co. (See Robins and Jacoby, assignors.)						
American Bank Service Company. (See Foyer, Melvin J., assignor.)						
American Baute Company. (See Berger, Walter F. B., assignor.)						
American Bell and Chime Company. (See Schippers, Frank, assignor.)						
American Bell Telephone Company. (See Campbell, George A., assignor.)						
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American Billing Machine and Improvement Company. (See Cram, Edwin B., assignor.)						
American Brake Company. (See Clark, Francis L.)						
American Brake Shoe & Foundry Company. (See Hudson, Frank W., assignor.)						
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American Brake Shoe & Foundry Company. (See Streeter, Alfred L., assignor.)						
American and British Manufacturing Company <i>et al.</i> (See Bartholmes, Charles W., assignor.)						
American and British Manufacturing Company. (See Bevans, William H., assignor.)						
American Can Company. (See Larkin, Bernard H., assignor.)						
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American Car & Foundry Company. (See Ames, Lyon, and Russell, assignors.)						
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American Car & Foundry Company. (See Link, Oliver, assignor.)						
American Car & Foundry Company. (See Lipschutz, Arthur, assignor.)						
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American Car & Foundry Company. (See Wolf and Lipschutz, assignors.)						
American Cement Roofing Co. (See Baden and Gluss, assignors.)						
American Check Printing Machine Company. (See Cottrill, Frank H., assignor.)						
American Cigar Company. (See Arents, George, Jr., assignor.)						
American Cigar Company of New York. (See Daniels, John L., assignor.)						
American Clay Working Machinery Company. (See Cunningham, William R., assignor.)						
American Clay Working Machinery Company. (See Richards, Fred, assignor.)						
American Clock Company. (See Getty, Fred I., assignor.)						
American Coil Company. (See Folger, Henry C., assignor.)						
American Coin Register Company. (See Ellis and Powell, assignors.)						
American Cotton Company <i>et al.</i> (See Griffin, Thomas J., assignor.)						
American Dairy Products and Manufacturing Company. (See Kennedy, Samuel R., assignor.)						
American De Forest Wireless Telegraph Company. (See Snook, Homer C., assignor.)						
American District Steam Company. (See Walsh, John D., assignor.)						
American Drop Forging & Tool Company. (See Emig and McKaig, assignors.)						
American Electric Brake Company. (See Mahoney, Joseph N., assignor.)						
American Electric Company. (See Miller and McDonnell, assignors.)						
American Electric and Controller Company. (See Sperry, Elmer A., assignor.)						
American Electric Telephone Company. (See Burns, Peter C., assignor.)						
American Electric Telephone Company. (See Carliss, Albert, assignor.)						
American Electric Telephone Company. (See Clausen, Henry P., assignor.)						
American Electric Telephone Company. (See Setter, Michael, assignor.)						
American Electric Telephone Company. (See Yaxley, Ernest E., assignor.)						
American Electrical Heater Company. (See Schneider, George J., assignor.)						
American Electrolytic Company. (See Roepper and Harmon, assignors.)						
American Engineering Company. (See Green, Francis J., assignor.)						
American Equipment Company. (See Hall, Edward L. and G., assignors.)						
American Equipment Company. (See McCarrroll, Samuel H., assignor.)						
American Exchange National Bank. (See Durand, Louis, assignor.)						
American Expansion Pulley Company. (See Temple, Robert, assignor.)						
American Filter Press Extraction Company. (See Hack, Ernest B., assignor.)						
American Fuel Oil Burner Manufacturing Company. (See Van Horn, William H., assignor.)						
American Furnace and Machine Co. (See Swindell, James D., assignor.)						
American Gas Furnace Company. (See Reichhelm, Edward P., assignor.)						
American Gas Machine Company. (See Hanson, Hans C., assignor.)						
American Glass Bending Company. (See Connington, Thomas W., assignor.)						
American Graphophone Company. (See Emerson, Victor H., assignor.)						
American Graphophone Company. (See Jones, Joseph W., assignor.)						
American Graphophone Company. (See Macdonald, Thomas H., assignor.)						
American Graphophone Company. (See Manwaring, George A., assignor.)						
American Hard Rubber Company. (See Gurnee, Isaac Q., assignor.)						
American Harrow Company. (See Garst, Dudley, assignor.)						
American Harrow Company. (See Garst, Stephen H., assignor.)						
American Heating Company. (See Schweizer, Charles, assignor.)						
American Hoist & Derrick Company. (See Crosby, Oliver, assignor.)						
American Lacing Hook Company. (See Perrault, Joseph E., assignor.)						
American Laundry Machinery Company. (See Cooper, Lonzo J., assignor.)						
American Lock Washer Company. (See Degner, Charles F., assignor.)						
American Locomotive Company. (See Cole, Francis J., assignor.)						
American Locomotive Company. (See Dalton, William, assignor.)						
American Locomotive Company. (See Dalton and Cole, assignors.)						
American Loom Company. (See Harriman, Henry I., assignor.)						
American Lubricator Company. (See Deare, Joseph H., assignor.)						
American Machine Company. (See Smith, John C., assignor.)						
American Machine & Ordnance Company <i>et al.</i> (See Bartholmes, Charles W., assignor.)						
American Manufacturing Company. (See Dodson, Charles H., assignor.)						
American Match Manufacturing Company. (See Calkins, Almon B., assignor.)						
American Match Manufacturing Company. (See Dinunty, Ferral C., Jr., assignor.)						
American Mechanical Cashier Company. (See Dement, Isaac S., assignor.)						
American Mechanical Cashier Company. (See Dement and Hull, assignors.)						
American Metal Stamping Company. (See Sagendorph and Steinberg, assignors.)						
American Metal Wheel and Toy Company. (See Barschow, George H., assignor.)						
American Metallic Furniture Company. (See Petroskey, John H., assignor.)						
American Mine Door Company. (See Cowing, John P., assignor.)						
American Moistening Company. (See Campbell, Robert G., assignor.)						
American Moistening Company. (See Comins, Frank B., assignor.)						
American Motor and Pulley Co. (See Siebert, Frederick, assignor.)						
American Music Company. (See Kiessir, Bernhard R., assignor.)						
American Mutoscope & Biograph Company. (See Casler, Herman, assignor.)						
American News Company. (See Richard, John C., assignor.)						
American News Paper Distributing Company. (See Rule, John A., assignor.)						
American Nickeloid & Manufacturing Company. (See Nelson, John, assignor.)						
American Ordnance Company. (See Tasker, Vernon C., assignor.)						
American Paper Bottle Company. (See Kinsey, James C., assignor.)						
American Paper Bottle Company. (See Cross, Frank L., assignor.)						
American Paper Goods Company. (See Emerson, Thomas and S., assignors.)						
American Pin Company. (See Courtland, William A., assignor.)						
American Pipe & Hose Coupler Company. (See Eisenhuth, Oscar, assignor.)						
American Planograph Company. (See Cornwall, George R., assignor.)						
American Plow Company. (See Jarmin, James B., assignor.)						
American Pneumatic Service Company. (See Burton, Charles H., assignor.)						
American Pneumatic Service Company. (See Pike, Otto S., assignor.)						
American Pneumatic Service Company. (See Stoddard, Charles F., assignor.)						
American Pulley Company. (See Bowen, Russell H., assignor.)						
American Pulley Company. (See Brinley, Charles A., assignor.)						
American Pulley Company. (See Budd, Edward G., assignor.)						
American Radiator Company. (See Whitelaw, Frank S., assignor.)						
American Restoring Company. (See Brahen, Philip J., assignor.)						
American Road Machine Company. (See Wright, Edgar A., assignor.)						
American School Furniture Company. (See Hausle, Frank, assignor.)						
American School Furniture Company. (See Starkey, Warren L., assignor.) (Reissue.)						

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American Seeding Machine Company. (See Packham, Frank R., assignor.)						
American Seeding Machine Company. (See Packham and Oates, assignors.)						
American Shearer Manufacturing Company. (See Priest, Joseph K., assignor.)						
American Sheet Steel Co. (See Ely, Anderson, and Slick, assignors.)						
American Sheet Steel Co. (See McMurtry, George G., assignor.)						
American Sheet and Tin Plate Company. (See Bennett, Charles W., assignor.)						
American Sheet and Tin Plate Company. (See Bray, Charles W., assignor.)						
American Ship Windlass Co. (See Van Doorn, Henry D., assignor.)						
American Signal & Power Company. (See Hunter, Robert L., assignor.)						
American Silver Company. (See Holley, Everett D., assignor.)						
American Silver Company. (See Wright, Henry C., assignor.)						
American Soda Fountain Company. (See Hopkins, Heber A., assignor.)						
American Soda Fountain Company. (See Lippincott, Fisher H., assignor.)						
American Spiral Pipe Works. (See Taylor, James H., assignor.)						
American Steam Gauge and Valve Manufacturing Company. (See Manning, Coleman J., assignor.)						
American Steam Pump Company. (See Ackley, Rollin D., assignor.)						
American Steel-Body Double-Bolster Co. (See Floyd and Howard, assignors.)						
American Steel-Body Double-Bolster Co. (See Howard, Clarence H., assignor.)						
American Steel-Body Double-Bolster Co. (See Pfleger and Howard, assignors.)						
American Steel Foundries. (See Floyd, George G., assignor.)						
American Steel Foundries. (See Westlake, Charles T., assignor.)						
American Steel Package Company. (See Kruse, Alfred T., assignor.)						
American Steel and Wire Company. (See Dahlström, John, assignor.)						
American Steel & Wire Company. (See Ross, John H., assignor.)						
American Steel & Wire Company. (See Wilson, David, assignor.)						
American Steel & Wire Company. (See Woodward, Martin J., assignor.)						
American Steel & Wire Company of New Jersey. (See Boley, Ernst, assignor.)						
American Stove Company. (See Blackford, Atwell J., assignor.)						
American Street Flushing Machine Company. (See Shaw, Edward, assignor.)						
American Sugar Beet Implement Company. (See Dylie, Charles A., assignor.)						
American Talking Scale Company. (See Moore, George A., assignor.)						
American Telephone and Telegraph Company. (See Athearn, William E., assignor.)						
American Telephone and Telegraph Company. (See Bullard and Falk, assignors.)						
American Telephone and Telegraph Company. (See Ford, James S., assignor.)						
American Telephone and Telegraph Company. (See Gundlach, Ernst, assignor.)						
American Telephone and Telegraph Company. (See Larned, Sherwood J., assignor.)						
American Telephone and Telegraph Company. (See Larned and Ford, assignors.)						
American Telephone and Telegraph Company. (See Lee, John C., assignor.)						
American Telephone and Telegraph Company. (See O'Connell, Joseph J., assignor.)						
American Telephone and Telegraph Company. (See Pickard, Greenleaf W., assignor.)						
American Telephone and Telegraph Company. (See Rorty, Malcolm C., assignor.)						
American Telephone and Telegraph Company. (See Rorty and Thompson, assignors.)						
American Telephone and Telegraph Company. (See Stryker, Burdett, assignor.)						
American Thread Company. (See Hardman, Peter, assignor.)						
American Tin Plate Company. (See Bray, Charles W., assignor.)						
American Tin Plate Company. (See Cronmeyer, Ernest L., assignor.)						
American Tin Plate Company. (See Hirschmann, Josef, assignor.)						
American Tobacco Company. (See Drutschenkow, Alexander A., assignor.)						
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American Tool Works Company. (See Laur and Robinson, assignors.)						
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American Truss Fence Company. (See Brock, Levi M., assignor.)						
American Type Founders Company. (See Benton, Linn B., assignor.)						
American Typograph Company. (See Allen, James B., assignor.)						
American Universal Mill Company. (See Grey, Henry, assignor.)						
American Valve and Meter Company. (See Anderson, Frank C., assignor.)						
American Vending Machine Company. (See Rowse, Frank J., assignor.)						
American Vibrator Company. (See Tonjes, Henry, assignor.)						
American Waltham Watch Company. (See Ohlson, Olof, assignor.)						
American Well Works. (See Lukins, Fred J., assignor.)						
American Wheel Company. (See Forshelm, Joseph, assignor.)						
American Wrapping and Box Machine Company. (See McGirr, Theodore G. and J. B., assignors.)						
American Wrapping and Box Machine Company. (See McGirr and Ferguson, assignors.)						
American Writing Machine Company. (See Perry, Lewis H., assignor.)						
American X-Light Manufacturing Company. (See Boehm and Wappler, assignors.)						
Amerling, Harmon B., et al. (See Pannepacker, Abraham C., assignor.)						
Amerling, Henry W., et al. (See Pannepacker, Abraham C., assignor.)						
Ames, Charles F., and H. A. Pearson, assignors to Blair Camera Company, Rochester, N. Y., Camera.....	773,700	Nov. 1	317	70	113	75
Ames, George W., Braintree, Mass. Adjustable guard for water-gage glasses.....	779,452	Sept. 6	608	134	112	138
Ames Iron Works. (See Gaskill, Joseph C., assignor.)						
Ames, John F., Portland, Oreg. Machine for sewing bags.....	769,453	Sept. 6	610	134	112	138
Ames, John M. (See Russell and Ames.)						
Ames, John M., J. P. Lyon, and G. E. Russell, New York, N. Y., assignors to American Car & Foundry Company, St. Louis, Mo. Hopper-bottom car.....	753,653	Mar. 1	831	186 187	109	181
Ames, William. (See Tonkin, Ames, and Nicolle.)						
Amet, Edward H., Waukegan, Ill. Automatic brake and take-up device for trolley-cords.....	768,260	Aug. 23	4344	914	111	2058
Amidon, Eugene C., Corry, Pa. Apparatus for bleaching leather.....	759,844	May 17	2548	533	110	607
Amies Asphalt Company. (See Amies, Joseph H., assignor.)						
Amies, Joseph H., Germantown, Pa. Swimming-glove.....						
Amies, Joseph H., Germantown, Pa. Preparing compositions for and heating and laying bituminous pavements.....	760,051	May 17	2942	-----	110	697
Ammann, Joseph, Mayfield, Kans. Coupling for vehicles, &c.....	774,903	Nov. 5	2682	576	113	634
Ammerman, William M., assignor to E. J. Toof, New Haven, Conn. Tension and thread controlling mechanism for sewing-machines.....	756,314	Apr. 5	239	49	109	1395
Ammon, Charles W. G., Pittsburg, Pa. Swimming-glove.....	769,017	June 7	788	161	110	1609
Amoud, Charles E., Hilon, N. Y. Coin-controlled testing-machine.....	748,683	Jan. 5	248	56,57	108	53
Amrath, Joseph W., San Francisco, Cal. Temporary binder.....	764,266	July 5	715	145	111	158

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Amrath, Joseph W., San Francisco, Cal. Bank-check	773,701	Nov. 1	323	71	113	78
Amrom, Jacob, assignor of one-half to D. Euer, New York, N. Y. Oscillating electric fan.	753,027	Feb. 23	4306	957	108	2052
Ams, Max, New York, N. Y. Cover-fastening for jars or other vessels.	708,022	Aug. 23	3836	802	111	1943
Amsden, George A., Springfield, Mass. Clamp for conveying apparatus	760,771	May 24	4371	929	110	1029
Amsden, Thomas G., assignor of one-half to L. D. and W. J. Flander, Buffalo, N. Y. Combined mop and wringer	776,981	Dec. 6	1036	223	113	1657
Amsler Engineering Company, (See Amsler, Walter, assignor.)						
Amsler, Walter O., assignor to Amsler Engineering Company, Pittsburg, Pa. Gas-producer	770,624	Sept. 20	2824	600	112	670
Amundson, Henry O., Alexandria, Minn. Drawer, box, or receptacle for hardware, &c.	768,261	Aug. 23	4346	914	111	2059
Anable, Annie S. (See Webber, Wesley, assignor.)						
Ancker, Albert, <i>et al.</i> (See Wacker, Eugen, assignor.)						
Anderegg, David. (See Pillmore and Anderegg.)						
Anderegg, George, and F. A. Sell, Red Lodge, Mont. Acetylene-gas machine.	702,110	June 7	951	196 197	110	1644
Anders, William. (See Benedict and Anders.)						
Andersen, Charles, and W. C. Wells, assignors of one-third to J. G. Carroll, Grand Rapids, Mich. Vehicle-wheel	748,684	Jan. 5	245	57	108	53
Andersen, George, Denver, Colo. Adjustable electroliter	749,138	Jan. 5	1186	253 254	108	274
Anderson, Alexander, London, England. Automatic relief-valve.	764,877	July 12	2005	413	111	455
Anderson, Alexander P., Bedford Park, N. Y. Cereal product.	766,212	Aug. 2	120	22	111	1067
Anderson, Alexander P., Bedford Park, N. Y. Adhesive	769,289	Sept. 6	306	71	112	66
Anderson, Alexander P., Minneapolis, Minn. Adhesive wafer and preparing same	769,290	Sept. 6	310	71	112	66
Anderson, Alfred, Cambridge, assignor to T. W. Carter, Boston, Mass. Roll for music-controllers.	757,874	Apr. 19	3319	719	109	2086
Anderson, Alfred, assignor to A. G. Wedge, Detroit City, H. Rasmusson, Moorhead, Minn., and P. K. Haslerud, Fargo, N. D. Pump-rod attachment.	766,751	Aug. 2	1249	266	111	1318
Anderson, Alfred, assignor of three-fourths to A. G. Wedge, H. Rasmusson, and P. K. Haslerud, Detroit City, Minn. Drive-gearing	773,362	Oct. 25	4491	951	112	1996
Anderson, Alfred, assignor of three-fourths to A. G. Wedge, H. Rasmusson, and P. K. Haslerud, Detroit City, Minn. Clothes-clamp.	773,449	Oct. 25	4673	988	112	2035
Anderson, Ambrose E., Pittsburg, Pa. Loose-leaf ledger	765,656	July 26	3529	744	111	813
Anderson, Andrew A., Scotchaven, Pa. Machine for forming sleeves, couplings, or the like	749,013	Jan. 5	914	193	108	212
Anderson, Andrew L. and O., Chicago, Ill. Apparatus for supplying granular material.	760,772	May 24	4371	929 930	110	1030
Anderson, Anthony N., Jacksonville, Fla. Detaching device for life-boats.	761,809	June 7	398	81	110	1528
Anderson, Augustus L. (See Burt, Anderson, and Grossman.)						
Anderson, Augustus L. (See Kinsey and Anderson.)						
Anderson, Austin E. (See Cochran and Anderson.)						
Anderson, Axel, Chicago, Ill. Corn-sheller	774,904	Nov. 15	2684	576	113	634
Anderson, Axel R., Worcester, Mass. Friction-clutch	748,569	Jan. 5	5	1,2	108	4
Anderson, Barngrover Manufacturing Co. (See Barngrover, Harvey M., assignor.)						
Anderson, Bradley W., Chicago, Ill. Locomotive-cab seat	762,981	Aug. 9	1757	369	111	1451
Anderson, Carl P., Everett, Mass. Millstone	773,363	Oct. 25	4492	951	112	1996
Anderson, Charles A., Rockford, Ill. Miter-box	757,538	Apr. 19	2667	584	109	1942
Anderson, Charles A., Rockford, Ill. Cultivator	759,952	May 17	2739	575	110	650
Anderson, Charles A., and E. A. Erickson, Chicago, Ill. Gasolene-gas-making machine.	760,296	May 17	3412	730	110	802
Anderson, Charles H., San Francisco, Cal. Cargo-conveyer	761,810	June 7	399	82 83	110	1528
Anderson, Charles H., York, assignor of one-half to J. A. Cook, Grantham, England. Traveling bag, case, &c.	775,343	Nov. 22	3644	771	113	881
Anderson, Charles W., assignor of one-half to H. W. Aiken, Bisbee, Ariz. Ter. Picture-exhibitor	778,347	Dec. 27	3744	816	113	2282
Anderson, Charls. (See Jacobson and Anderson.)						
Anderson, Christian, and A. Woolner, Jr., Peoria, Ill. Apparatus for converting distillery-slop into dry feed	761,571	May 31	5929	1271	110	1387
Anderson, Clarence A., Salina, Kans. Telephone-exchange	759,492	May 10	1802	375	110	443
Anderson, Con D., assignor of two-thirds to E. Ellis, Urbana, and C. A. Miller, Lima, Ohio. Railway-tie	773,622	Nov. 1	164	36	113	42
Anderson, David W., Richmond, Va. Combined brick and tile	750,789	Feb. 2	2	1	108	1057
Anderson, David W., Richmond, Va. Combined brick and tile	750,790	Feb. 2	4	2	108	1057
Anderson, Edward L. (See Noble and Anderson.)						
Anderson, Eleck, assignor of one-half to O. C. Mann, Chicago, Ill. Tank-car.	751,040	Feb. 2	475	111 112	108	1163
Anderson, Elof, and N. W. Fletcher, Batavia, assignors to Turbine Motor Tool Company, Chicago, Ill. Rotary engine	774,547	Nov. 8	1942	421	113	449
Anderson, Eric A., assignor of one-half to W. Sherman, Greenville, Ill. Oil-stove	765,872	July 26	3852	844	111	900
Anderson, Eric A., Jamestown, N. Y. Couch-spring	754,835	Mar. 15	3835	705	109	742
Anderson Foundry & Machine Works. (See Randall and Vanneman, assignors.)						
Anderson, Francis J., Waterford, Ireland. Slide-rule.	768,971	Aug. 30	5827	1223 1224	111	2410
Anderson, Francis J., Waterford, Ireland. Mechanical calculating device	769,044	Aug. 30	5974	1251	111	2442
Anderson, Frank C., assignor of one-half to American Valve and Meter Company, Cincinnati, Ohio. Switch connection	756,771	Apr. 5	1102	214	109	1578
Anderson, Frank C., assignor of one-half to American Valve and Meter Company, Cincinnati, Ohio. Guard-rail clamp for railways	762,224	June 7	1158	248	110	1691
Anderson, Frank C., assignor of one-half to American Valve and Meter Company, Cincinnati, Ohio. Safety-lock for railway-switches	770,949	Sept. 27	3474	733	112	834
Anderson, Frank E., near Marathon, Iowa. Spool-holder	751,891	Feb. 9	3067	467	108	1518
Anderson, Frank T., Chicago, Ill. Permutation-padlock	752,020	Feb. 16	2394	522	108	1595
Anderson, Fred S. (See Chessman, Henry C., assignor.)						
Anderson, Frederick F., assignor to L. Kohn, Oakland, Cal. Detachable heel for boots or shoes	753,532	Mar. 1	609	138	109	133
Anderson, Freeman C., Nashua, N. H. Match-box	766,094	July 26	4393	941	111	995
Anderson, George S., Highspire, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Adjusting or leveling device for type-writers.	771,596	Oct. 4	742	166	112	1117
Anderson, George V., Wilmington, Del. Rotary engine.	771,713	Sept. 27	3798	802 803	112	904
Anderson, Gustaf A., Kansas City, Kans. Fire-extinguisher.	754,037	Mar. 8	1634	364	109	376
Anderson, Gustaf A., Kansas City, Kans. Hose-nozzle	755,601	Mar. 29	4639	1031	109	1075
Anderson, Gustave E., assignor to Fairmount Machine Company, Philadelphia, Pa. Take-up mechanism for looms	769,580	Sept. 6	851	183	112	193

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Anderson, Harold B., Cleveland, Ohio. Treating roads to allay dust	775,909	Nov. 29	4809		113	1151
Anderson, Harry H. (See Ely, Anderson, and Slick.)						
Anderson, Harry T., Avalon, assignor to Standard Steel Car Company, Pittsburg, Pa. Brake-beam	752,277	Feb. 16	2815	624	108	1704
Anderson, Harvey S., Hillsboro, Ohio. Bridle-bit	754,632	Mar. 15	2842	620	109	654
Anderson, Hopkin T., Marietta, Miss. Cotton-chopper	773,364	Oct. 25	4492	951	112	1996
Anderson, Isaac, Prescott, assignor of one-half to M. Scanlon, Whitehills, Ariz. Ter. Recovering metals from solutions	759,493	May 10	1865		110	443
Anderson, Isaac, Prescott, assignor of one-half to M. Scanlon, Whitehills, Ariz. Ter. Recovering precious metals from solutions	778,348	Dec. 27	3748	817	113	2282
Anderson, Isaac, and R. Ayres, Saginaw West Side, Mich. Steam-whistle	766,129	July 26	4456	955	111	1009
Anderson, James, Liberty Center, Ohio. Bottle-filling apparatus	754,951	Mar. 15	5463	758	109	792
Anderson, James A., assignor to Syracuse Rawhide Manufacturing Company, Syracuse, N. Y. Raw-hide bushing	764,330	July 5	860	174	111	186
Anderson, James B., Portland, Oreg. Spike	774,144	Nov. 8	1196	255	113	287
Anderson, James B., Portland, Oreg. Rail-joint shoe and clamp	777,365	Dec. 13	1768	393	113	1834
Anderson, James C., Highland Park, Ill. Rim-spectacles	759,944	Feb. 23	4145	923	108	2013
Anderson, James C., Jersey City, N. J. Means for cooling automobile-engines	763,949	July 5	2	1	111	8
Anderson, James C., Jersey City, N. J., assignor to Varley Duplex Magnet Company. Machine for covering flat wire	748,911	Jan. 5	680	150	108	153
Anderson, James C., Jersey City, N. J., assignor to Varley Duplex Magnet Company. Covering wire	730,563	Jan. 26	4000	865	108	934
Anderson, James C., Jersey City, N. J., assignor to Varley Duplex Magnet Company. Electrical conductor and coil	753,461	Mar. 1	452	106	109	99
Anderson, James E., Montezuma, Iowa. Inhaler and sprayer	776,372	Nov. 29	5704	1207	113	1357
Anderson, James P., U. S. Navy. Electric indicating mechanism for pressure-gages	774,815	Nov. 15	2500	538	113	593
Anderson, Johannes, Chicago, Ill. Pyrographic-pencil exciter	776,482	Dec. 6	3	1	113	1423
Anderson, John, <i>et al.</i> (See Lundquist and Erickson, assignors.)						
Anderson, John, <i>et al.</i> (See Norstrom, Nils E., assignor.)						
Anderson, John, Philadelphia, Pa. Egg-boiler	750,072	Jan. 19	3077	661	108	717
Anderson, John, Philadelphia, Pa. Coin-contrived vending-machine	778,819	Dec. 27	4549	1016	113	2482
Anderson, John, New York, N. Y. Coin-receptacle	761,435	May 31	5692	1212	110	1334
Anderson, John, Stocunville, R. I. Automatic poultry-feeder	772,121	Oct. 11	1827	405	112	1366
Anderson, John, Stocunville, R. I. Automatic poultry-feeder	772,122	Oct. 11	1828	406	112	1366
Anderson, John, Monaca, Pa. Fire-brick composition	777,995	Dec. 20	3058		113	2118
Anderson, John, assignor to Draper Company, Hopedale, Mass. Molding apparatus	753,951	Mar. 8	1477	331	109	341
				332		
				337		
Anderson, John A., Osage City, Kans. Feeder and band-cutter	758,290	Apr. 26	4153	897	109	2286
				898		
Anderson, John C. (See Edlund, Claus A., assignor.)						
Anderson, John H., Littlefalls, Minn. Hay and stock rack	753,028	Feb. 23	4308	957	108	2052
Anderson, John H., Littlefalls, Minn. Bol-sled	753,654	Mar. 1	833	188	109	182
Anderson, John R., Jr., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Circuit-breaker	761,748	June 7	244	47	110	1492
Anderson, John S., Gloster, Miss. Rail-joint chair	751,770	Feb. 9	1825	416	108	1463
Anderson, John S., Jamestown, N. Y., assignor of one-half to J. H. Frew, Newcastle, Pa. Composite board for doors, panels, or the like	749,511	Jan. 12	1993	414	108	466
				415		
Anderson, John W., Werley, Wis. Windrow attachment	749,512	Jan. 12	1995	414	108	466
				415		
Anderson, John W., Jr., Woodland, Ill. Railway-signal	759,652	May 10	2173	447	110	509
Anderson, Jonas, St. Paul, Minn. Combined saw set and jointer	750,073	Jan. 19	3078	661	108	717
Anderson, Jonas, St. Paul, Minn. Saw-gumner	750,074	Jan. 19	3079	662	108	717
Anderson, Joseph, Seattle, Wash. Sash-fastener	750,420	Jan. 26	3706	804	108	876
Anderson, Joseph D., St. Marys, Ohio. Carbureting apparatus for explosive-engines	776,982	Dec. 6	3059	324	113	1658
Anderson, Lars, Chicago, Ill. Loose-leaf binder	767,197	Aug. 9	2193	457	111	1545
Anderson, Lars, assignor of one-half to W. A. King, Chicago, Ill. Feed-valve for explosive-engines	770,731	Sept. 27	3033	646	112	735
Anderson, Neal L., Montgomery, Ala. Type-writer	748,831	Jan. 5	521	118	108	118
Anderson, Neal L., Montgomery, Ala. Type-writer	761,811	June 7	406	83	110	1530
Anderson, Neal L., Montgomery, Ala. Type-writing machine	768,034	June 21	2808	609	110	2087
Anderson, Nelson P. (See Behler and Anderson.)						
Anderson, Ole, Ocean City, N. J., assignor to S. S. Wenzell, Philadelphia, Pa. Strap tightener and fastener	762,857	June 14	2478	537	110	1993
Anderson, Oscar (See Anderson, Andrew L. and O.)						
Anderson, Otto S., Kansas City, Mo. Elevator attachment for farm-wagons	774,094	Nov. 1	971	203	113	221
Anderson, Perry, Sharpsburg, Pa. Trolley	772,321	Oct. 11	2238	490	112	1458
Anderson, Peter A., Graudin, N. D. Rotary engine	748,832	Jan. 5	524	119	108	119
				120		
Anderson, Pleasant H., <i>et al.</i> (See Miller, Ellis W., assignor.)						
Anderson, R. J., <i>et al.</i> (See Baile, Charles F., assignor.)						
Anderson, Robert D. H., Cincinnati, Ohio, assignor to Cincinnati Butchers Supply Co. Computing-scale	776,715	Dec. 6	496	109	113	1537
Anderson, Robert S., Seattle, Wash., assignor of three-fourths to W. F. Horner, W. C. Meeker, and H. U. Woodin. Making alloys	773,450	Oct. 25	4675		112	2035
Anderson, Samuel. (See Baile and Anderson.)						
Anderson, Samuel C., Xenia, Ohio. Corn-harvester	749,831	Jan. 19	2614	558	108	619
Anderson, Samuel C., Xenia, Ohio. Corn-harvester	751,367	Feb. 2	1102	249	108	1292
Anderson, Samuel H., Vandergrift, Pa. Spring bed-bottom	755,387	Mar. 29	5420	1197	109	1252
Anderson, Sven W., Salt Lake City, Utah. Washing-machine	769,883	Sept. 13	1417	302	112	338
Anderson, Theodore M., Chicago, Ill. Clothes-drier	770,087	Sept. 13	1704	361	112	402
Anderson, Theodore P., Jr., Mount Vernon, N. Y., assignor of one-half to Murphy Vanish Company, Newark, N. J. Vanishing	770,732	Sept. 27	3035		112	735
Anderson, Ulrica C., Bayard, Nebr. Dish-washer	755,832	Mar. 29	5115	1133	109	1184
Anderson, Walter H., New York, N. Y. Runner attachment for automobiles	756,556	Apr. 5	706	153	109	1492
Anderson, Walter J., <i>et al.</i> (See Henderson, James C., assignor.)						
Anderson, William C., and F. L. Argall, San Jose, Cal. Device for forming and sizing closed-end tubes	778,210	Dec. 27	3457	761	113	2221
Anderson, William E., and S. Tompkins, Houston, Tex.; said Tompkins assignor to said Anderson. Separating apparatus	773,180	Oct. 25	4124	871	112	1917
Anderson, William G., San Francisco, Cal. Concentrator	760,075	Jan. 19	3080	602	108	717
Anderson, William J., Liverpool, England. Hat and hat-shield	758,304	May 3	451	90	110	111
Anderson, William J., and J. W. Horney, Loda, Ill. Seed-dropping mechanism	764,544	July 12	1329	270	111	308

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Andersson, Anders, St. Cloud, Minn. Saw-sharpening machine	748,685	Jan. 5	247	57	108	54
Andersson, Gustaf M., Hydepark, Mass., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Turbine	765,761	July 26	3733	797	111	853
Andersson, Gustaf M., and A. G. Ahlstrom, Hydepark, Mass. Mixing-machine	776,449	Nov. 29	5860	1238	113	1393
Andersson, Jöns, Stockholm, Sweden. Writing-pen	760,409	May 24	3621	764	110	865
Andersson, Konrad, Leeds, England. Speed-regulator for steam-turbines	765,452	July 19	3111	651	111	709
Andersson, Lorens S., Stockholm, Sweden. Electric-arc lamp	773,774	Nov. 1	452	100	113	106
Anderton, William B., New York, N. Y. Golf-ball holder	776,101	Nov. 29	5196	1097	113	1239
Andes, Frank H. (See Guinn and Andes.)						
Andes, Michael, Wilkesbarre, Pa. Artificial block fuel	776,373	Nov. 29	5705		113	1357
Andlauer, Raymond. (See Fink and Andlauer.)						
Andlauer, Raymond, Kansas City, Kans. assignor of three-fourths to W. Brendel, Kansas City, Mo. Insulator for fibrous material	774,548	Nov. 8	1945	421	113	449
André, Henry, Cincinnati, Ohio. Book-rest	751,892	Feb. 9	2067	468	106	1518
Andrae, Otto, Jr. (See Goldsmith, Elias, assignor.)						
André, William E., assignor to Nelson & Kreuter Company, Chicago, Ill. Mangle	762,605	June 14	1964	422	110	1880
Andreotta, Giuseppe. (See Allen and Andreotta.)						
Andres, William, assignor of one-half to W. N. Achenbach, Jonesville, Ind. Carpet-stretcher	761,127	May 31	5097	1082	110	1203
Andresen, Christian, St. Louis, Mo. Clasp for garment-supporters	749,145	Jan. 12	1205	258	108	295
Andresen, Christian, St. Louis, Mo. Locking device for purses	732,612	Feb. 16	3466	774	108	1846
Andresen, Christian, assignor to Lock Safety Pin Company, St. Louis, Mo. Safety-pin	755,097	Mar. 23	3711	815	109	864
Andresen, Christian, assignor to Lock Safety Pin Company, St. Louis, Mo. Safety-pin	756,809	Apr. 12	1188	264	109	1614
Andresen, Christian, assignor to Lock Safety Pin Company, St. Louis, Mo. Safety-pin	756,810	Apr. 12	1189	264	109	1614
Andresen, Christian, assignor to Lock Safety Pin Company, St. Louis, Mo. Safety-pin	759,845	May 17	2553	533	110	608
Andresen, Christian, assignor to Interlocking Hook and Eye Manufacturing Company, St. Louis, Mo. Hook and eye	755,602	Mar. 29	4642	1031	109	1075
Andresen, Christian, assignor to Interlocking Hook and Eye Manufacturing Company, St. Louis, Mo. Hook and eye	755,603	Mar. 29	4643	1031	109	1076
Andrew, David J., assignor of one-half to K. W. Andrew, Dayton, Ohio. Railway-track	776,450	Nov. 29	5864	1239	113	1393
Andrew, Harve T., Memphis, Mo. Window curtain and shade holder	754,531	Mar. 15	2659	577	109	617
Andrew, Keturah W. (See Andrew, David J., assignor.)						
Andrew, Robert, Melbourne, Victoria, Australia. Combined bucket and suction-dredge	758,608	May 8	1	1	110	3
Andrew, William E., Atlantic Highlands, N. J. Vehicle-fire	770,791	Sept. 27	3152	688	112	761
Andrew, William E., Atlantic Highlands, N. J. Smoke-protector	771,801	Oct. 11	1149	257	112	1219
Andrews, Alice M., Wheeling, W. Va. Sight for guns	763,348	June 28	3420	744	110	2241
Andrews, Charles, Deptford, England. Engine-governor	760,052	May 17	2944	614	110	697
Andrews, Charles W. (See Harder, Walter C., assignor.)						
Andrews, Edward N., assignor of one-half to B. B. Caldwell, St. Louis, Mo. Torpedo-placer	771,343	Oct. 4	240	55	112	1014
Andrews, Edwin C., Penn Yan, N. Y. Suction-box for paper-making machines	754,036	Mar. 8	1631	363	109	375
Andrews, Emery, deceased, Keunebeck, Me.; P. I. and H. E. Andrews, executors. Rowing-can	757,082	Apr. 12	1729	375	109	1726
Andrews, Garnett S., Nashville, Tenn. Puzzle	769,127	Aug. 30	6135	1283	111	2477
Andrews, Harry E., et al., executors. (See Andrews, Emery.)						
Andrews, Herbert L. (See Schustek, Daniel, assignor.)						
Andrews, Herbert L. (See Schustek and Andrews.)						
Andrews, Hiram B., Melrose, assignor of one-half to C. T. Weaver, West Newton, Mass. Game apparatus or toy	773,243	Oct. 25	4251	899	112	1944
Andrews, Horace W., Brooklyn, N. Y. Fling-cabinet	758,039	Apr. 26	3660	751	109	2180
Andrews, James, Cathcart, Scotland. Vapor-generator	755,988	Mar. 29	5420	1197	109	1332
Andrews, James D. (See Lancaster and Andrews.)						
Andrews, James S. (See Doebler, Charles H., assignor.)						
Andrews, James S., assignor to Separable Body Bolster Company, St. Louis, Mo. Bolster	753,112	Feb. 23	4454	990	108	2083
Andrews, Josiah S., Buffalo, N. Y. Fire-escape	776,483	Dec. 6	5	1, 2	113	1424
Andrews, Leonard, Manchester, England. Feeder protection	772,322	Oct. 11	2339	491	112	1459
Andrews, Leonard, Manchester, England, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Synchronizer	749,232	Jan. 12	1423	305	108	346
Andrews, Leonard, Manchester, England, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Means for protection against reverse currents	751,441	Feb. 9	1220	279	108	1335
Andrews, Leonard, Manchester, England, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Reverse-current cut-out	751,442	Feb. 9	1221	279	108	1335
Andrews, Leonard, Hastings, England, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Protective system for electric conductors	771,891	Oct. 11	1343	304	112	1960
Andrews, Matthew, Cleveland, Ohio. Apparatus for scraping ore from wings of vessels. (Reissue.)	757,858	Apr. 19	3293	713	109	2079
Andrews, Michael C. (See Brown, McMurray, and Andrews.)						
Andrews, Orval J., et al. (See Cottrill, Archibald H. F., assignor.)						
Andrews, Paul I., et al., executors. (See Andrews, Emery.)						
Andrews, Thomas, and S. J. Loewenthal, Rockaway, N. J. Drier	775,717	Nov. 22	4439	938	113	1055
Andrews, Wallace C., New York, N. Y. Apparatus for supplying cities with steam	753,817	Mar. 1	1205	273	109	259
Andrews, Wallace C., deceased; G. C. St. John, New York, N. Y., executor. Variator	753,754	Mar. 1	1029	232	109	221
Andrews, William C., Wheeling, W. Va. Shock-reducing mechanism for cars	751,368	Feb. 2	1105	234	108	1292
Andrews, William S., Schenectady, N. Y., assignor to General Electric Company. Automatic potential-regulator	762,671	June 14	2082	452	110	1910
Andriano, Albert K., San Francisco, Cal., and H. Herbstritt, New York, N. Y., assignors, by mesne assignments, to Direct Line General Telephone Company, San Francisco, Cal. Individual telephone-switch and lock-out mechanism for interconnecting lines. (Reissue.)	12,240	July 19	3508	739	111	793
Andriano, Albert K., and H. Herbstritt, assignors, by mesne assignments, to Direct-Line General Telephone Company, San Francisco, Cal. Switching mechanism for intercommunicating telephone-lines	771,114	Sept. 27	3801	803	112	905
Andricht, George. (See Willis and Andricht.)						
Andrien, Leonard, Philadelphia, Pa. Printing-press attachment	768,023	Aug. 23	3837	802	111	1943
Andrus, Alden. (See Uncapher and Andrus.)						
Andrus, Charles J., Cincinnati, Ohio. Furnace	748,833	Jan. 5	526	120	108	120
Andrus, Frank M. (See Pike and Andrus.)						
Andrus, George, Denora, Pa. Vermin-trap	775,292	Nov. 22	3535	745	113	855
Andrus, George S., Globe, Ariz. Ter. Wrench	757,544	Apr. 19	2888	629	109	1992

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Angell, Edward C., assignor to Angell Manufacturing Company, Franklin, Pa. Reamer.	761,055	May 31	4965	1052	110	1175
Angell, Edward L., New York, N. Y. Waste control for plumbing-fixtures	758,040	Apr. 26	3663	792	109	2182
Angell Manufacturing Company. (See Angell, Edward C., assignor.)						
Anger, Gottlieb, and C. Bongartz, McKees Rocks, Pa. Non-refillable bottle.	776,286	Nov. 29	5544	1174	113	1319
Angerbower, George J., Forestville, assignor to Taplin Manufacturing Company, New Britain, Conn. Egg-beater	751,601	Feb. 9	1511	344	108	1399
Angerer, Victor. (See Wharton and Angerer.)						
Angerer, Victor, Ridley Park, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Railway-frog.	775,160	Nov. 15	3907	685	113	756
Angers, Edelemar. (See Rioux, David, assignor.)						
Anglo-French Ramie Machine Company. (See Estienne, Alfred D., assignor.)						
Angsten, Peter N., and C. H. Gesbeck, Chicago, Ill., assignors to Multiscope and Film Company, Burlington, Wis. Panoramic camera	778,394	Dec. 27	3839	838	113	2303
Angstman, Adam, assignor to Farland Organ Company, Detroit, Mich. Tracker-bar	778,794	Dec. 27	4476	979	113	2442
Angus, George W., 35 Penn Yan, N. Y. Staple-puller	732,472	June 14	2384	452	110	1910
Angus, William, Montreal, Canada. Drier	776,381	Dec. 6	230	51	113	1480
Ankeny, Oliver P., Deadwood, S. D. Device for separating slimes in ore reduction	764,973	July 12	2202	455	111	498
Ankers, John M., Sapperton, Canada. Toy-support	769,454	Sept. 6	612	135	112	139
Annable, George C., Syracuse, assignor to M. M. Beeman, Waverly, N. Y. Machine for forming wire garment-stays	761,640	June 7	8	2	110	1437
Annan, George H., assignor of one-half to W. D. Wright, Providence, R. I. Lubricator	773,181	Oct. 25	4125	871	112	1917
Annapdale, James H., Polton, Scotland. Refining-engine	765,262	July 19	2716	565	111	625
Annen, John P., Greenbay, Wis. Machine for coating confections	750,076	Jan. 19	3081	662	108	718
Annis, Bradley, et al. (See Annis, Frank M., assignor.)						
Annis, Ezra F., et al. (See Annis, Frank M., assignor.)						
Annis, Frank M., assignor of three-eighths to M. L. Devore, E. F. Annis, Conneaut, Ohio, and B. Annis, Fredonia, N. Y. Rail-chair	776,287	Nov. 29	5545	1174	113	1319
Anschütz, Paul, assignor of one-half to G. Bickelhaupt, New York, N. Y. Revolving-book-sewing-machine	766,130	July 26	4458	955	111	1010
Ansley, Edward L., Ben Wheeler, Tex. Heel-sweep for plows	751,369	Feb. 2	1106	250	108	1293
Ansley, Frank, Spokane, Wash. Spinning-top	758,291	Apr. 26	4157	898	109	2287
Ansley, Hubert M., et al. (See McCarthy, Albert, assignor.)						
Ansley, John B., New Orleans, La., assignor of one-half to F. B. Hull, Jackson, Miss. Curb-protector	773,451	Oct. 25	4675	988	112	2035
Anson, Joseph G., Sacramento, Cal. Music-leaf turner	776,164	Nov. 29	5313	1124	113	1266
Ansonia Electrical Company. (See Tonkin, William J., assignor.)						
Ansoerge, Eugene K., Greenbay, Wis. Wrench	766,577	Aug. 2	892	187	111	1237
Anspach, Angelus, assignor of one-half to T. F. Bennett, Philadelphia, Pa. Adjustable bracket and support	750,045	Jan. 19	3018	646	108	706
Anthes, Albert N., Kansas City, Mo. Pipe-rest	751,443	Feb. 9	1233	279	108	1336
Anthony, George C., Medford, assignor, by mesne assignments, to Algonquin Electric Brake Corporation, Boston, Mass. Electric brake	750,421	Jan. 26	3708	804	108	876
Anthony, George C., Medford, assignor, by mesne assignments, to Algonquin Electric Brake Corporation, Boston, Mass. Electric brake	750,422	Jan. 26	3712	805	108	877
Anthony, David S., Durango, Mexico. Attachment for roll-corrugating machines for automatically setting the rolls	776,212	Nov. 29	5405	1146	113	1287
Anthony, Edgar W. (See Barber, William M., assignor.)						
Anthony, Edgar W., Brookline, Mass. Hot-air furnace	751,136	Feb. 2	648	150	108	1198
Anthony, Elliott E., St. Louis, Mo. Power-transmitting mechanism for boats, &c.	764,331	July 5	851	174	111	186
Anthony, Frederick A., Hackensack, N. J. Flexible photographic film	754,735	Mar. 15	3054	667	109	702
Anthony, Mark Q., assignor to himself, H. C. Traute, and J. E. Nolan, New York, N. Y. Packing-box	757,591	Apr. 19	2776	607	109	1967
Anthony, Richard A., New York, N. Y. Photographic film	754,736	Mar. 15	3055	667	109	702
Anthony & Scovill Company. (See Bornmann, Carl, assignor.)						
Anthony Shield Company. (See Pienkowski, Charles A., assignor.)						
Anthony, Wendell P., Ridley Park, assignor to W. F. Simpson, Philadelphia, Pa. Lawn-mower	762,975	June 21	2700	585	110	2064
Antiseptic Barber Company. (See Hayes, Chesley B., assignor.)						
Antiseptic Brush Company. (See Koch, Gustave, assignor.)						
Anton, George, Monongahela, Pa. Miner's lamp	764,700	July 12	1654	337	111	377
Anton, John, Monongahela, Pa. Miner's lamp	756,151	Mar. 29	5714	1261	109	1315
Antony, Victor, Homestead, Pa. Street-car indicating or recording mechanism	777,054	Dec. 6	1191	260	113	1093
Any Size Envelope & Manufacturing Company. (See Berry, Benjamin F., assignor.)						
Anzelewitz, Abraham, New York, N. Y. Stem-winding watch	754,407	Mar. 15	2393	523	109	557
Apex Manufacturing Company. (See Shellabarger, George H., assignor.)						
Apfel, Daniel, Cleveland, Ohio, assignor to Union Paper Bag Machine Company, Philadelphia, Pa. Paper-bag making	762,976	June 21	2701	586	110	2064
Appel Manufacturing Company. (See Wertheimer, Laon, assignor.)						
Appelman, Erastus W., Clermont, Iowa. Fire-escape	755,833	Mar. 29	5116	1133	109	1184
Appenbrink, William, Quincy, Ill. Flue-scraper	760,405	May 17	3608	760	110	843
Apperson, Elmer. (See Haynes and Apperson.)						
Apperson, Richard D. (See Cochran and Anderson, assignors.)						
Applis, Clarence S., Celina, Ohio. Valve for vehicle-tops	750,564	Jan. 26	4002	865	108	934
Apple, Vincent G., Dayton, Ohio. Automatic friction-governor	754,185	Mar. 8	1904	424	109	437
Apple, Vincent G., Dayton, Ohio. Automatically-governed driving-wheel	756,432	Apr. 5	527	110	109	1455
Apple, Vincent G., Dayton, Ohio. Storage battery	759,038	May 3	633	189	110	213
Apple, Vincent G., Dayton, Ohio. Electrically-conductive coil and constructing same	762,111	June 7	954	197	110	1644
Apple, Vincent G., Dayton, Ohio. Electrically-conductive coil and constructing same	762,112	June 7	955	197	110	1644
Apple, Vincent G., Dayton, Ohio. Insulated battery-cell	767,323	Aug. 9	2409	505	111	1592
Apple, Vincent G., Dayton, Ohio. Lead containing-cell for secondary batteries	772,123	Oct. 11	1828	406	112	1366
Apple, Vincent G., Dayton, Ohio. Making gas	777,829	Dec. 20	2692	592	113	2047
Apple, William S., and H. K. Mundorf, Philadelphia, Pa. Device for storing and administering serums	758,949	May 3	744	147	110	173
Appleby, Ernest L., Bradford, Pa. Carousel	769,045	Aug. 30	5977	1252	111	2443
Appleby, John F., Chicago, Ill. Cotton-picking finger	762,606	June 14	1957	423	110	1881
Applegate, Eugene W., Chicago, Ill., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J., and Dayton, Ohio. Cash-register	750,791	Feb. 2	6	2,3	108	1058
Applegate, George F., Trenton, N. J. Eyeglasses or spectacles	764,100	July 5	380	73	111	83
Applegate, George F., Trenton, N. J. Eyeglasses or spectacles	764,101	July 5	383	73	111	84
Applegate, Harry S., Lakewood, N. J. Film-bath	749,513	Jan. 12	1996	415	107	467
Applegate, Oscar R., Trenton, N. J. Basin-holder	777,996	Dec. 20	3059	673	113	2118

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Applegate, William J. (See Howard, George T., assignor.)						
Appleton, Francis H., <i>et al.</i> (See Chace, Albert F., assignor.)						
Appleton, Robert M., Boston, Mass. Undergarment	759,149	May 3	1103	224	110	251
Appleton, Wallace N., Kent, assignor of one-half to G. L. Darrow, Darrowville, Ohio.	749,912	Jan. 19	2760	592	108	651
Chain-maker's power-hammer						
Appleton, William, assignor to Horton Angell Company, Attleboro, Mass. Stud or button	761,935	June 7	642	129	110	1581
Apthorp, Amy F., London, England. Device for attaching feathers to hats	771,693	Oct. 4	929	209	112	1158
Arantz, William F., Indianapolis, Ind. Saw-setting device	750,148	Jan. 19	3210	691	108	746
Arber, John, Philadelphia, Pa. Bending-machine	775,203	Nov. 15	3900	704 705	113	777
Arbogast, Charles V. (See Arbogast, John I., C. V., F. J., P. R., and F. L.)						
Arbogast, Francis J. (See Arbogast, John I., C. V., F. J., P. R., and F. L.)						
Arbogast, Frederick L. (See Arbogast, John I., C. V., F. J., P. R., and F. L.)						
Arbogast, John I., C. V., F. J., P. R., and F. L., Pittsburgh, Pa. Glass-reheating furnace	756,557	Apr. 5	709	153	109	1493
Arbogast, John I., C. V., F. J., P. R., and F. L., Pittsburgh, Pa. Manufacturing glassware	756,558	Apr. 5	711	154	109	1493
Arbogast, Philip R. (See Arbogast, John I., C. V., F. J., P. R., and F. L.)						
Arco Manufacturing Company. (See Morgan, Charles, assignor.)						
Arce, Santiago, Buenos Aires, Argentina. Shearing-tool	757,429	Apr. 19	2435	531 532	109	1893
Archdeacon, William, Oakpark, Ill. Tomato-peeling machine	760,095	May 17	3030	632	110	717
Archer, David J. (See Goodwin, Frank T., assignor.)						
Archer, George W., assignor to Archer Manufacturing Company, Rochester, N. Y.						
Foot-rest for chairs	777,763	Dec. 20	2549	564	113	2018
Archer, James, Manchester, assignor to Three-Speed Gear Syndicate, Ltd., Lenton, Nottingham, England. Variable gearing for velocipedes or road motor-vehicles	753,785	Mar. 1	1104	250 251	109	239
Archer Manufacturing Company. (See Archer, George W., assignor.)						
Archer, Theodore F., Flatbush, Mont. Combined letter-sheet and envelop	763,035	June 21	2809	609	110	2087
Archer, William J. (See MacKenzie, George W., assignor.)						
Archibald, Grant, New Rochelle, N. Y. Envelop and letter-sheet for same	771,115	Sept. 27	3806	804	112	907
Arconi, Vittorio, Spoleto, assignor to C. Olivetti, Ivrea, Italy. Damping device for measuring instruments	767,372	Aug. 16	2509	526	111	1631
Arco, George G. (See Slaby and Arco.)						
Areogood, John W., assignor of one-half to P. J. Sexton, Chicago, Ill. Brick-drier	761,025	May 24	4895	1036	110	1140
Areogood, John W., assignor of one-half to P. J. Sexton, Chicago, Ill. Car-chock	763,836	June 28	4395	955	110	2453
Arend, Francis J., <i>et al.</i> (See Berrigan, John J., assignor.)						
Arend, Francis J., New York, N. Y., assignor to De Laval Separator Company. Centrifugal creamer	775,464	Nov. 22	3906	824 825	113	939
Arend, Francis J., New York, N. Y., assignor to De Laval Separator Company. Centrifugal creamer						
Arendt, Otto, Newark, N. J. Pump-valve	775,487	Nov. 22	3944	833	113	947
Arendt, Otto, Newark, N. J. Box-strap	754,186	Mar. 8	1906	424	109	437
Arens, August, assignor to P. & F. Corbin, New Britain, Conn. Sash-fastener	773,271	Oct. 25	4307	910	112	1957
Arens, August, and E. L. Teich, assignors to P. & F. Corbin, New Britain, Conn. Sash-bolt	756,559	Apr. 5	713	154	109	1493
Arens, Jacob. (See Johnstone, Lloyd G., assignor.)						
Arents, George, Jr., <i>et al.</i> (See Tyberg and Prescott, assignors.)						
Arents, George, Jr., New York, N. Y., assignor to Continental Tobacco Company. Paper-holder	765,221	July 19	2650	551	111	610
Arents, George, Jr., assignor to American Cigar Company, New York, N. Y. Band	778,211	Dec. 27	3438	761	113	2221
Arents, George, Jr., assignor to American Cigar Company, New York, N. Y. Band	778,212	Dec. 27	3459	761	113	2221
Arey, Fred C., assignor of one-half to J. E. Donaldson, Chicago, Ill. Label or stamp affixer	749,891	Jan. 19	2717	581	108	642
Argall, Frank L. (See Anderson and Argall.)						
Argerbright, Daniel, Troy, Ohio. Photographic-printing machine	760,838	May 24	4504	959	110	1057
Arithmo-Game Board Company. (See Robertson, William H., assignor.)						
Arizona & Sonora Manufacturing Company. (See Berry, Seneca L., assignor.)						
Arkell, Bartlett, <i>et al.</i> , executors. (See Arkell, James.)						
Arkell, James, deceased, Canajoharie, N. Y.; W. J. and B. Arkell, executors. Lining for barrels or other like containers	764,545	July 12	1333	271	111	309
Arkell, William J., <i>et al.</i> , executors. (See Arkell, James.)						
Armat, Thomas, Washington, D. C. Vitascope	764,788	July 12	1826	374 375	111	416
Armbrust, Charles W., Chicago, Ill. Railway-brake head and shoe therefor	752,877	Feb. 23	3380	891	108	1977
Armbruster, Charles A. (See Smith, Louis, assignor.)						
Armbruster, Otto. (See Stuart, Ulysses B., assignor.)						
Armbruster, William J., St. Louis, Mo. Making pigments	751,444	Feb. 9	1224		108	1336
Armentrout, Philip S., <i>et al.</i> (See Alderman, Daniel W., assignor.)						
Armitage-Herschell Company. (See Armitage, James, assignor.)						
Armitage, James, assignor to Armitage-Herschell Company, North Tonawanda, N. Y. Track-joint	752,878	Feb. 23	3982	892	108	1977
Armitage, James, assignor to Armitage-Herschell Company, North Tonawanda, N. Y. Roundabout	765,952	July 26	4098	876	111	932
Armour & Company. (See Nichols, Jesse W., assignor.)						
Armstrong, Charles D. (See Duffy and Irwin, assignors.)						
Armstrong, Charles J. (See Zilker, Tildmarsh, and Armstrong.)						
Armstrong Cork Company. (See Thompson, Thomas S., assignor.)						
Armstrong, Edward R., Beaumont, Tex. Attachment for surveying instruments	760,526	Sept. 6	763	165	112	173
Armstrong, Elizabeth H. C., New London, Conn. Chair	766,484	Aug. 2	704	148	111	1194
Armstrong, Frank H., Auburn, N. Y. Aligner for type-writing machines	774,635	Nov. 8	2097	456	113	480
Armstrong, Frank H., Auburn, N. Y. Ribbon-feeding mechanism for type-writing machines	774,636	Nov. 8	2098	457	113	481
Armstrong, Frank H., Auburn, N. Y. Line-spacing mechanism for type-writing machines	774,637	Nov. 8	2101	457	113	481
Armstrong, Frank H., Auburn, N. Y. Carriage-feeding mechanism for type-writing machines	774,638	Nov. 8	2103	458	113	482
Armstrong, Frank H., Auburn, N. Y. Platen-shifting mechanism for type-writing machines	774,639	Nov. 8	2105	458 459	113	482
Armstrong, Frank H., Auburn, N. Y. Paper-feeding mechanism for type-writing machines	774,640	Nov. 8	2108	460	113	483
Armstrong, George F., Philadelphia, Pa. Wheel and bearing for trucks	772,201	Oct. 11	2001	441	112	1404
Armstrong, George P., Woodridge, N. J., assignor to F. W. Spencer, New York, N. Y. Swing	758,579	Apr. 26	4727	1019	109	2416
Armstrong, Harry W. (See Armstrong, Sophie A. and H. W.)						
Armstrong, Ira P., Wallaceton, Pa. Moving brick-drier	763,349	June 28	3421	744	110	2241

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Armstrong, John E., Santa Cruz, Cal. Vehicle.....	766,485	Aug. 2	705	148	111	1194
Armstrong, John R., assignor of one-half to L. C. Meigs, Bessemer, Ala. Jack.....	760,368	May 17	3534	744	110	829
Armstrong Oiler Company. (See Fletcher, Frederick A., assignor.)						
Armstrong, Orra D., Minneapolis, Minn. Hydrocarbon-burner.....	777,997	Dec. 20	3060	673	113	2118
Armstrong, Robert G. (See Larsen, Fred, assignor.)						
Armstrong, Robert G., assignor of one-half to I. Larsen, Chicago, Ill. Hame.....	772,323	Oct. 11	2341	491	112	1459
Armstrong, Sophie A. and H. W., Cobourg, Canada. Cattle-guard.....	764,514	July 5	1244	255	111	272
Arnandez, Jules G. (See Arnandez and Voorhies.)						
Arnandez, Yves and J. G., and C. L. Voorhies, New Iberia, La. Combined rail joint and chair.....	773,775	Nov. 1	453	101	113	107
Arnault, Thomas J., Everett, Wash. Alarm for pneumatic feeders.....	765,657	July 26	3531	744	111	813
Arnberg, Per A. M., assignor to Nya Aktiebolaget Radiator, Stockholm, Sweden. Liner for centrifugal separators.....	776,102	Nov. 29	5196	1098	113	1239
Arndt, Frederick W., Platte Center, Nebr. Land-elevator.....	751,826	Feb. 9	1943	441	108	1490
Arnesen, Charlotte, Larvik, Norway. Bridle.....	752,278	Feb. 16	2816	624	108	1704
Arnett, Henry J., Pontotoc, Ind. Ter. Cotton-packer.....	752,505	Feb. 16	3942	723	108	1796
Arno, Oliver H., assignor of one-half to A. Steiner, Boston, Mass. Device for automatically playing pianos.....	750,517	Jan. 26	3900	846	108	916
Arnold, Bion J. (See Cragg, George L., assignor.)						
Arnold, Bion J., Chicago, Ill. Power-transmission mechanism.....	759,223	May 10	1299	261	110	313
Arnold, Bion J., Chicago, Ill. Power-transmission mechanism.....	759,223	May 10	1313	263	110	318
Arnold, Bion J., Chicago, Ill. System of electrical distribution.....	776,374	Nov. 29	5705	1207	113	1357
Arnold, Charles, New York, N. Y. Chair.....	759,059	May 3	594	189	110	213
Arnold, Charles, New York, N. Y. Combined key-chain and locket.....	760,410	May 24	3621	764	110	865
Arnold, Charles, New York, N. Y. Vise.....	760,411	May 24	3322	764	110	865
Arnold, Clifford B. and A. K. Pratt, assignors to Whitin Machine Works, Incorporated, Whitinsville, Mass. Leno-motion for loom-dobbies.....	764,223	July 5	646	131	111	144
Arnold, Collins, Albany, N. Y. Movable storage-pocket.....	749,653	Jan. 12	2240	472	108	521
Arnold, David B., assignor of one-half to E. Ellis, Terre Haute, Ind. Grain-door for railway-cars.....	760,369	May 17	3534	744	110	829
Arnold, Edwin E., Wilkensburg, Pa., assignor to Westinghouse Machine Company. Valve-gear for high-pressure engines.....	769,332	Sept. 6	390	90	112	84
Arnold, Edwin E., Wilkensburg, Pa., assignor to Westinghouse Machine Company. Valve-operating mechanism.....	769,373	Sept. 6	475	105	112	108
Arnold, Eugene H., Wheaton, Ill. Bridge.....	749,771	Jan. 19	2501	532	108	595
Arnold, George, assignor to himself and J. S. Bailey, Chicago, Ill. Gage.....	762,673	June 14	2085	453	110	1910
Arnold, George T., Oshkosh, Wis. Puzzle.....	749,351	Jan. 12	1640	349	108	594
Arnold, Harry H., assignor of one-half to F. Bauer, Cincinnati, Ohio. Spring.....	762,977	June 21	2703	587	110	2064
Arnold, Jacob F., Massillon, Ohio. Table-leg attachment.....	737,712	Apr. 19	3009	654	109	2019
Arnold, Jacob F., Massillon, Ohio. Extension-table lock.....	772,019	Oct. 11	1605	364	112	1317
Arnold, Jacob F., Massillon, Ohio. Extension-table.....	778,471	Dec. 27	4003	871	113	2339
Arnold, James. (See Morell, Lawrence, assignor.)						
Arnold, James A. G., assignor of one-half to C. W. Marshall, Philadelphia, Pa. Type-writer attachment.....	765,804	July 26	3840	818	111	875
Arnold, James W., Covington, Ky. Treating iron.....	765,158	July 19	2546	532	111	587
Arnold, James W., Covington, Ky. Heating-furnace.....	768,576	Aug. 30	5013	1051	111	2327
Arnold, James W., Covington, Ky. Apparatus for treating iron.....	771,220	Oct. 4	2	1	112	961
Arnold, John P., Colfax, Ill. Explosive compound.....	757,713	Apr. 19	3010	.....	109	2019
Arnold, Philip C., assignor to Bevin Brothers Manufacturing Company, East Hampton, Conn. Bell.....	761,128	May 31	5099	1083	110	1203
Arnold, Philip C., assignor to Bevin Brothers Manufacturing Company, East Hampton, Conn. Bell.....	770,211	Sept. 13	2025	427	112	472
Arnold, Thomas M., Haverhill, Mass. Vehicle-tire.....	760,370	May 17	3536	745	110	829
Arnold, Wilber E., Madisonville, Ohio. Door for screw-door safes.....	750,792	Feb. 2	18	5	108	1061
Arnold, Will F., U. S. Navy. Phototherapeutic apparatus.....	760,381	Sept. 6	832	185	112	133
Arnold, William A., Fort Smith, Ark. Folding bedstead and chest.....	757,430	Apr. 19	2437	532	109	1893
Arnold, William T., Atlanta, Ga. Planter.....	771,524	Oct. 4	604	135	112	1088
Arnold, William T., Atlanta, Ga. Planter.....	772,329	Oct. 18	2323	495	112	1485
Arnold, William W., Mount Juliet, Tenn. Horse-detacher.....	773,702	Nov. 1	324	71	113	78
Arnott, Joseph W., Callander, Canada. Dressing and filing appliance for circular saws.....	763,085	June 21	2917	628	110	2111
Arnsberger, Cyrus A., Rudy, Idaho. Pump.....	772,267	Oct. 11	2135	466	112	1435
Arnsen, Arn. (See Arnsen, Richard, G., and A.)						
Arnsen, Gotthard. (See Arnsen, Richard, G., and A.)						
Arnsen, Richard, G., and A., Escanaba, Mich. Block-press.....	770,251	Sept. 20	2101	442	112	507
Arnwine, Charles L. (See Park and Arnwine.)						
Aron, Hermann, Charlottenburg, Germany. Coin-freed gas-meter.....	755,206	Mar. 22	3909	863	109	904
Aranson, Saul, Brooklyn, N. Y. Prepayment gas-meter.....	760,721	May 24	4964	907	110	1007
Aranson, Saul, Brooklyn, N. Y. Coin-actuated mechanism.....	760,722	May 24	4267	907	110	1007
Arper, George W., Oakland, Cal. Hydrocarbon-burner.....	754,112	Mar. 8	1781	395	109	409
Arper, George W., Oakland, Cal. Steam-generator for hydrocarbon-burners.....	758,807	May 3	452	90	110	111
Arper, George W., Oakland, Cal. Retort for hydrocarbons.....	771,855	Oct. 11	1260	282	112	1243
Arper, George W., Oakland, Cal. Oil-burner.....	774,928	Nov. 15	2738	587	113	647
Arpin, Godfrey, Clark, S. D. Casket-holder.....	750,245	Jan. 26	3391	735	108	807
Arpp, John, Jr. (See Lamb and Arpp.)						
Arquembourg, Henri. (See Grouvelle and Arquembourg.)						
Arasmith, Ira, Summit Grove, Ind. Governor attachment.....	770,146	Sept. 13	1896	403	112	443
Art Metal Construction Company. (See Ohnstrand, Enoch, assignor.)						
Arthur, Charles G., Lisbon, Ohio. Harness attachment.....	777,325	Dec. 13	1687	373	113	1817
Arthur, Charles G. (See Meuser and Arthur.)						
Arthur, Ernest L., Marshes, W. Va. Tree-holding device.....	778,095	Dec. 20	3340	712	113	2156
Arthur, James W., assignor of one-half to A. Lewin, Denver, Colo. Beet-harvester.....	760,412	May 24	3624	765	110	865
Arthur, James W., assignor of one-half to A. Lewin, Denver, Colo. Plant chopper or cutter.....	766,315	Aug. 2	358	75, 76	111	1119
Artist Piano Player Company. (See Warren, Charles, assignor.)						
Artom, Alessandro, Turin, Italy. Wireless telegraphy or transmission through space.....	770,668	Sept. 20	2918	620	112	693
Artopoulos, Albert, Pforzheim, Germany. Construction of jewelry.....	761,867	June 7	522	104	110	1556

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Artz, John D., Dayton, Ohio. Vehicle-body.....	769,455	Sept. 6	613	185	112	139
Arzt, Adolphus H., London, England. Gas or vapor burner.....	763,140	June 21	3016	650	110	2133
Arzt, Henry, <i>et al.</i> (See Gordon, George W., assignor.).....						
Asay, Frank L., Trenton, N. J. Pedal-stool for pianos.....	773,113	Oct. 25	3955	889	112	1878
Asbury, Dorsey F., Seattle, Wash. Turbine.....	768,646	Aug. 30	5163	1085	111	2361
Aschenbach, John C. and J. W., Philadelphia, Pa. Lamp.....	777,998	Dec. 30	3963	673	113	2119
Aschenbach, Joseph W. (See Aschenbach, John C. and J. W.).....						
Ascher, Edward K., assignor to Fox Tank and Valve Company, Columbus, Ohio. Tank-valve.....	771,221	Oct. 4	3	1	112	961
Asdell, Nelson D., San Francisco, Cal. Root-extracting forceps.....	772,324	Oct. 11	2244	492	112	1460
Asencio, Tomas, <i>et al.</i> (See Russell, William M., assignor.).....						
Ash, Fred, Ada, Ohio. Drill-joint.....	751,241	Feb. 2	876	200	108	1243
Ash, Horace W., Cambridge, Mass., assignor to Warren Brothers Company, Charleston, W. Va. Still for crude bituminous material.....	757,387	Apr. 12	2349	512	109	1858
Ash, Lewis, and H. B. Stewart, Hassel, Mont. Wrench.....	754,633	Mar. 15	2843	621	109	654
Ash, Marselius T., Chicago, Ill. Conveyor.....	773,452	Oct. 25	4677	988	112	2036
Ash, Sylvester M., Roodhouse, Ill. Driveway-gate.....	764,974	July 12	2206	456	111	498
Ashby, Hugh R., Mustard, Pa. Hose-coupling.....	750,931	Feb. 2	283	67	108	1120
Ashe, Fred M. (See Bailor and Ashe).....						
Ashe, Ira S., Philadelphia, Pa. Mouthpiece for telephone-transmitters.....	772,210	Oct. 11	3217	485	112	1454
Ashert, William, Des Moines, Iowa. Detachable tool-handle.....	770,413	Sept. 20	2425	512	112	382
Ashert, William, Des Moines, Iowa. Miner's pick.....	775,325	Nov. 22	3596	762	113	869
Ashert, William, Des Moines, Iowa. Domestic steamer.....	777,470	Dec. 13	1965	435	113	1878
Ashland, Ezekiel A., St. Albans, Vt. Claw-hammer.....	752,879	Dec. 33	3983	892	108	1978
Ashley, Aden J., Kansas City, Mo. Sash-lock.....	767,677	Aug. 16	3116	651	111	1767
Ashley, Charles H., San Francisco, Cal. Folding pedestal.....	756,927	Apr. 12	1415	315	109	1660
Ashley, Frank M., New York, assignor to E. B. Cadwell, Brooklyn, N. Y. Wheel-hub.....	773,534	Nov. 1	2	1	113	3
Ashlock, Henry H., Clyde, Kans. Metallic railway-tie.....	773,114	Oct. 25	3956	889	112	1878
Ashmore, Robert H., Jefferson City, Tenn. Blind-lock.....	765,539	July 19	3286	688	111	764
Ashton, Florence, Washington, Pa. Hat-pin and attachment.....	751,771	Mar. 9	1826	416	108	1463
Ashton, John, assignor of one-half to F. R. Clayton, St. Louis, Mo. Automatic gate.....	755,394	Mar. 29	5117	1134	109	1163
Ashworth, Fred N. (See Ashworth, John and F. N.).....						
Ashworth, Fred N., Somerville, Mass. Clasp.....	772,913	Oct. 25	3428	744	112	1756
Ashworth, John and F. N., Somerville, Mass. Covered elastic band.....	754,959	Mar. 22	3483	762	109	813
Ashworth, John and F. N., Somerville, Mass. Covering elastic bands.....	761,129	May 31	5100	1063	110	1203
Ashworth, Robert, St. Cloud, Minn. Wrench.....	771,451	Oct. 4	457	104	112	1055
Askew, Charles B., Chicago, Ill. Storage-battery plate.....	751,773	Feb. 9	1827	416	108	1463
Askey, Mitchel M., Shawville, Pa. Buckle.....	764,029	July 5	235	42	111	55
Aslakson, Baxter M., Oil City, Pa. Internal-combustion engine.....	765,159	July 19	2547	532	111	587
Asphalt Paper Pipe Company. (See Dixon, Albert S., assignor.).....						
Aspin, Robert J., and J. A. Erickson, Lorain, Ohio. Bucket.....	759,324	May 10	1329	264	110	323
Aspinall, Joseph, Bolton, England. Rope or cable grip for haulage purposes.....	758,496	Apr. 26	4562	985	109	2380
Aspinwall, Henry C., Pompton township, Passaic county, N. J., assignor to Lafin & Rand Powder Company, New York, N. Y. Apparatus for the manufacture of small tubular strings of powder.....	773,844	Nov. 1	597	128	113	137
Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter.....	772,202	Oct. 11	2003	442	112	1405
Aspinwall, Louis M. (See Westinghouse and Aspinwall).....						
Aspinwall Manufacturing Company. (See Aspinwall, Lewis A., assignor.).....						
Assel, Jacob, assignor to Berbecher and Rowland Manufacturing Company, Waterville, Conn. Easel.....	766,982	Aug. 9	1758	369	111	1451
Assorati, Antenor, New York, N. Y. Sash-fastener.....	749,469	Jan. 12	1910	396	108	449
Ast, Charles A., Lake, Wis. Reamer.....	765,222	July 19	2652	532	111	610
Astarita, Joseph A., New York, N. Y. Tip-cat.....	753,020	Feb. 23	4311	957	108	2053
Astfalck, Wiland, Tegel, near Berlin, Germany. Hydraulic apparatus.....	754,113	Mar. 8	1782	397	109	409
Astfalck, Wiland, Tegel, near Berlin, Germany. Means for controlling hydraulic apparatus.....	764,412	July 5	1028	210	111	229
Astrom, Karl P., Newark, N. J., assignor to M. H. Treadwell & Company, New York, N. Y. Dumping-car.....	755,207	Mar. 22	3912	864	109	904
Astrup, William, Cleveland, Ohio. Awning.....	756,454	Apr. 5	531	111	100	1456
Atall, George M., Iona, S. D. Locking-draft-hook.....	758,609	May 3	2	1	110	3
Atha, Charles F., Partick, assignor of one-half to William Beardmore and Company, Limited, Glasgow county, Scotland. Reversing-valve for regenerative furnaces, &c.....	754,372	Mar. 8	2075	460	109	471
Atha, Herbert B., East Orange, N. J. Treating scrap-steel and recarburizing same.....	765,724	July 26	3673	897	111	840
Atha, Herbert B., East Orange, N. J. Treating scrap-steel and recarburizing same.....	766,131	July 26	4461	911	111	1010
Atha, Herbert B., East Orange, N. J. Treating scrap-steel and recarburizing same.....	774,973	Nov. 15	2828	685	113	685
Athearn, William E., New York, N. Y., assignor to American Telephone and Telegraph Company. Telegraph-repeater.....	774,905	Nov. 15	2689	577	113	633
Athearn, William E., New York, N. Y., assignor to American Telephone and Telegraph Company. Composite system duplex-telegraph circuits.....	778,297	Dec. 27	3642	795	113	2261
Athens Foundry and Machine Co. (See O'Blencess, Harry C., assignor.).....						
Atherton, Abel T. (See Atherton, Charles T. and A. T.).....						
Atherton, Abel T., Bayside, and C. T. Atherton, Providence, R. I., assignors of fifty-two one-hundredths to Mason Machine Works, Taunton, Mass. Rotary ring-spinning machine.....	759,846	May 17	2554	534	110	608
Atherton, Charles T. (See Atherton, Abel T. and C. T.).....						
Atherton, Charles T., Pawtucket, and A. T. Atherton, Warwick, R. I. Spinning and twisting machine.....	749,470	Jan. 12	1912	397	108	449
Atherton, Edmond F., Cleveland, Ohio. Automatic bucket.....	771,597	Oct. 4	744	166	112	1118
Athey, Charles M., Baltimore, Md. Display-case.....	751,137	Feb. 2	653	151	108	1199
Atkins, Charles H., Springfield, Mass. Fluid-pressure motor.....	773,365	Oct. 25	4494	952	112	1996
Atkins, George H., assignor to Turner & Seymour Mfg. Co., Torrington, Conn. Curtain-pole tip.....	753,030	Feb. 23	4311	958	108	2053
Atkins, George J., Tottenham, England. Apparatus for generating acetylene gas.....	753,818	Mar. 1	1208	272	109	259
Atkins, George J., Tottenham, England. Electrode.....	753,819	Mar. 1	1209	272	109	259
Atkins, George J., Tottenham, England. Preparing electrodes.....	754,114	Mar. 8	1787	411	109	410
Atkinson, Alfred, Joliet, Ill. Figure toy.....	772,492	Oct. 18	2605	572	112	1559
Atkinson, Frank H. (See Hughes, Robert M., assignor.).....						
Atkinson, Hobart F. (See Denio, William L., assignor.).....						
Atkinson, Jacob, Philadelphia, Pa. Stamp-affixing machine.....	769,291	Sept. 6	312	71, 72	112	66

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Atkinson, Norman E., Littles, assignor of one-fourth to J. M. Stafford, Petersburg, Ind. Wrench	761,868	June 7	523	104	110	1557
Atkinson, Perry W., Troy Center, Wis. Invalid-sling	749,014	Jan. 5	917	194	108	214
Atkinson, William L., Fairhaven, Wash. Fishing-ree	769,142	Sept. 6	2	1	112	3
Atlanta Spring Bed Company. (See Hutcheson, Earl H., assignor.)						
Atlanta Utility Works. (See Winder, James C., assignor.)						
Atlantic and Pacific Pile and Timber Preserving Company. (See Kleinschmidt, Carl, assignor.)						
Atlas Light & Power Company. (See Akeson, Anders, assignor.)						
Atlas Tack Company. (See Giles, Isaac W., assignor.)						
Aton, Rue, Independence, Kans. Window-shade adjuster	755,835	Mar. 29	5119	1134	109	1185
Attebery, Stephen E., and C. Giles, Macon, Ill. Window-shade fixture	770,252	Sept. 20	2103	443	112	508
Atterbury, Earl J., Chicago, Ill. Signal device	771,962	Oct. 11	1487	337	112	1290
Attridge, Oliver H., et al. (See Moritz, Adolph, assignor.)						
Attwooll, William J., et al. (See Zufall, Jacob F., assignor.)						
Aubrey, Rufus P., Haynesville, La. Double gag-grip	759,494	May 10	1867	375	110	443
Aubry, Frederick W., East Foxlake, Ill. Reversible cuspidor	760,171	May 17	3196	669	110	754
Atwell, Frederick W., East Foxlake, Ill. Harness attachment						
Atwood, George F., Hoboken, N. J., assignor to Western Electric Company, Chicago, Ill. Bending tubes	757,592	Apr. 19	2777	607	109	1967
Atwood, George F., Hoboken, N. J., assignor to Western Electric Company, Chicago, Ill. Machine for bending tubes	757,593	Apr. 19	2778	607	109	1968
Atwood, George F., Hoboken, N. J., assignor to Western Electric Company, Chicago, Ill. Pneumatic-tube system	766,213	Aug. 2	123	22, 23	111	1068
Atwood, George F., assignor to Primary Power Company, Wakefield, Mass. Exciting fluid for electrical batteries	761,641	June 7	10		110	1438
Atwood, George F., assignor to Primary Power Company, Wakefield, Mass. Exciting fluid for electrical batteries	761,642	June 7	11		110	1438
Atwood, George F., Wakefield, Mass., a-signor, by mesne assignments, of one-half to H. C. Hall, trustee. Boat-propeller	778,435	Dec. 27	3923	854	113	2322
Atwood, James F., Malden, Mass. Buckle	764,789	July 12	1833	375	111	417
Atwood-Morrison Company. (See Bradley, Edward E., assignor.)						
Aubrey, Rufus P., Haynesville, La. Double gag-grip	769,333	Sept. 6	392	91	112	85
Aubry, Stephen, Toledo, Ohio. Railway-track fastening	778,213	Dec. 27	3460	761	113	2921
Audiffren, Marcel A., Grasse, France. Oil-separator for rotary refrigerating appliances	764,515	July 5	1245	256	111	272
Audley, Herbert B. (See Reel and Audley.)						
Audrieth, Ludwig, Newark, N. J. Propelling vessels	769,456	Sept. 6	614	135	112	139
Auerswald, Herman M., St. Paul, Minn. Metal seat-plate for riding-saddles	774,412	Nov. 8	1681	360	113	394
Augustine, Benjamin F., Buffalo, N. Y. Rotary engine	770,882	Dec. 6	849	182	113	1613
Augustine, Bernard W., Alameda, Cal. Wood-graining machine	769,978	Sept. 13	1597	340	112	376
Auld, John, Hamden, N. Y. Bottle	748,570	Jan. 5	7	2	108	4
Auld, John, Hamden, N. Y. Bottle	757,714	Apr. 19	3011	654	109	2019
Auld, John, Chicago, Ill. Copy-holder	767,132	Aug. 9	2060	428	111	1518
Aull, Jerome J., assignor to Lunkenheimer Company, Cincinnati, Ohio. Lubricator	754,737	Mar. 15	3056	667	109	702
Aull, Jerome J., assignor to Lunkenheimer Company, Cincinnati, Ohio. Water-gage	768,588	June 28	3902	817	110	2347
Ault, Edwin. (See Shone and Ault.)						
Ault, Horace B., Newmarket, Tenn. Automatic signaling apparatus for incubators or hothouses	752,431	Feb. 16	3114	691	108	1768
Ault, Playfair (See Davis and Ault.)						
Ault, Seymour W., Glencoe, and P. K. Reed, Warnock, Ohio. Device for opening the end-gates of mine-cars	772,268	Oct. 11	2137	467	112	1436
Aultman Company. (See Bighouse, Henry H., assignor.)						
Aultman Company. (See Crossley, Ernest, assignor.)						
Aultman Company. (See Wright, Edgar A., assignor.)						
Aultman, Thomas G., Fairmont, W. Va., assignor to J. A. Jeffrey, Columbus, Ohio. Railway-rail	768,577	Aug. 30	5014	1051	111	2237
Aultman, Thomas G., and J. C. Gaskill, Fairmont, W. Va.; said Aultman assignor to J. A. Jeffrey, Columbus, Ohio. Locomotive system	751,893	Feb. 9	2068	468	108	1519
Aumund, Heinrich, Cologne, Germany, assignor to C. W. Hunt Company, West New Brighton, N. Y. Hoisting mechanism	754,187	Mar. 8	1907	425	109	437
Aune, Ole O., Waltham, Mass., assignor to F. B. Kendrick and W. F. Davis, Lebanon, N. H. Watch roller and hand remover	772,325	Oct. 11	2245	492	112	1460
Aupke, Henry D., Sharpsburg, Pa. Rail-joint	762,113	June 7	957	197	110	1645
Aupke, Henry D., Sharpsburg, Pa. Window-strip	763,240	June 21	3218	693	110	2179
Aupperle, James A., Indianapolis, Ind. Combined crucible and preheater	768,972	Aug. 30	5591	1224	111	2411
Aurand, Henry. (See Eichmeier and Aurand.)						
Aurora Automatic Machinery Company. (See Levedahl, Axel, assignor.)						
Aurora Automatic Machinery Company. (See Norling, Reinhold A., assignor.)						
Aurora Tool Works. (See Weigel, Albert P., assignor.)						
Ausherman, David S., Zion City, Ill. Blackboard-eraser cleaner	777,583	Dec. 13	2209	484	113	1929
Austen, Edward J., St. Louis, Mo. Scenographic apparatus	754,593	Mar. 15	3051	578	109	618
Austen, Edward J., St. Louis, Mo., and H. A. Bradwell, Coney Island, N.Y. Scenographic apparatus	754,592	Mar. 15	2660	577	109	617
Austern, Carl, New York, N. Y. Coat	751,242	Feb. 2	877	200	108	1243
Austin, Amos, Philadelphia, Pa. Curb, gutter, and drain block	775,791	Nov. 22	4574	963	113	1083
Austin, Andrew C., Hudson, S. D. Doot-pump	768,718	Aug. 30	5317	1117	111	2298
Austin Cartridge Company. (See Morris, William L., assignor.)						
Austin, Cornelius N., Cadyville, N. Y. Shield for shoes	756,500	Apr. 5	714	154	109	1494
Austin, Frederick C. (See Benton, Hans J., assignor.)						
Austin, Frederick C. (See Rhodes, Fred D., assignor.)						
Austin, Henry K., Reading, Mass. Inflating-pump	763,707	June 28	4138	903	110	2396
Austin, Henry K., Reading, Mass. Radiator	772,858	Oct. 18	3304	720	112	1711
Austin, Herbert, Erdington, England. Differential or double driving-gear	762,674	June 14	2086	453	110	1911
Austin, Herbert, Erdington, England. Flexible joint	766,653	Aug. 2	1053	230	111	1274
Austin, Herbert, Erdington, near Birmingham, England. Water-cooling system for explosion-motors	769,582	Sept. 6	454	184	112	193
Austin, John D., Thonotosassa, Fla. Mending-link	761,812	June 7	808	83	110	1530
Austin, Joseph N., and M. D. Farnam, assignors to Syracuse Machine Company, Syracuse, N. Y. Cutting apparatus	755,431	Mar. 22	4329	957	109	993
Austin, Sallie, New York, N. Y. Combined wardrobe and bed	753,462	Mar. 1	453	106	109	99
Austin, Thomas L., Erie, Pa. Drawing-board	753,463	Mar. 1	455	107	109	99

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Austin, William L., assignor to Burnham, Williams & Company, Philadelphia, Pa. Joint for containers	750,565	Jan. 26	4003	865	108	983
Austin, William L., assignor to Burnham, Williams & Company, Philadelphia, Pa. Motor-truck	751,243	Feb. 2	878	201	108	1243
Austin, William L., assignor to Burnham, Williams & Company, Philadelphia, Pa. Loose-wheel structure	770,147	Sept. 13	1897	408	112	444
Austin, Willis R., and W. N. Crow, South Norwalk, Conn. Toy inclined railway	763,036	June 21	2810	610	110	2087
Austrian, Bernard S., et al. (See Beier, Frank J., assignor.)	778,298	Dec. 27	3646	796	113	2261
Austrian, Joseph E., New York, N. Y. Suspenders						
Auto Vehicle Company. (See Hain, Ralph B., assignor.)						
Autocar Company. (See Speirs and Dey, assignors.)						
Automatic Boiler Feed Company. (See Wilkins, Thomas M., assignor.)						
Automatic Car Ventilator Company. (See Harrington, Curtis J., assignor.)						
Automatic Electric Pump Company. (See Pugh, William J., assignor.)						
Automatic Elevator Controller Company. (See Murphy, John F., assignor.)						
Automatic Heat Regulator Company. (See Leib, Daniel N., assignor.)						
Automatic Humiditor Company. (See Boggs, Odin E., assignor.)						
Automatic Illuminating Advertising & Manufacturing Company. (See Schweitzer, Albert, assignor.)						
Automatic Monitor Company. (See Hertford, Edward K., assignor.)						
Automatic Packing and Weighing Machine Company. (See Phillips, Adelbert H., assignor.)						
Automatic Pie Machinery Co. (See McCullough, William L., assignor.)						
Automatic Pin-Ticketing Machine Co. (See Kohnle, Frederick, assignor.)						
Automatic Pressure Feed Lubricator Company. (See Roberts, Dugald H., assignor.)						
Automatic Printing Machine Company. (See Finch, Thomas C., assignor.)						
Automatic Racking Machine Company. (See Colby, Harry W., assignor.)						
Automatic Safety Stop Company of America. (See Walker, George G., assignor.)						
Automatic Switch Company of Baltimore City. (See Whittingham, George H., assignor.)						
Automatic Target Machine Company. (See McCullough, John L., assignor.)						
Automatic Telephone Company. (See Norstrom and Graff, assignors.)						
Automatic Vacuum Canning Company. (See Norton, Edwin, assignor.)						
Automatic Valve Company. (See Chaplin, Manley J., assignor.)						
Automatic Weighing Machine Company. (See Lorillard, Pierre, assignor.)						
Automatic Weighing Machine Company. (See Nickerson, William E., assignor.)						
Automatic Weighing Machine Company. (See Thomas, Edward G., assignor.)						
Aultry, George F., assignor of one-half to J. T. Gardner, Greenfield, Tenn. Spoke-cutting machine	752,640	Feb. 23	3530	785	108	1877
Auzerie, Agnes, Paris, France. Lighted letter	769,437	Sept. 6	616	136	112	140
Avant, Leonidas W., Atascosa, Tex. Hand-plow propeller	769,583	Sept. 6	856	184	112	194
Avedyk, Octave, Brussels, Belgium. Making flour non-hygroscopic	758,346	Apr. 26	4277	919	109	2314
Averill, Charles S. (See Knapp, Grayson G., assignor.)						
Averill, Elias M., Sparta, Mich. Berry-box	774,300	Nov. 8	1481	318	113	351
Averill, Elias M., Sparta, Mich. Folding crate	770,301	Nov. 8	1483	318	113	351
Averill, Frank L., Kansas City, Kans. Sulky-plow	749,146	Jan. 12	1206	258	108	296
Averill, George E., Cleveland, Ohio. Motor for washing-machines	774,145	Nov. 8	1198	255	113	287
Averill, John C., Chicago, Ill. Check-rein-loop	770,449	Sept. 20	2492	529	112	596
Averett, Andrew E., Schenectady, N. Y., assignor to General Electric Company. Alternating-current induction motor	771,293	Oct. 4	141	32	112	991
Avery, Ashbel S., and C. R. Smith, Mauiila, Iowa. Carbureter	765,351	July 19	2911	608	111	666
Avery, Charles E., Jersey City, N. J., assignor to Manhattan Electrical Supply Company. Window-spring	774,463	Nov. 8	1771	382	113	412
Avery, Charles E., Jersey City, N. J., assignor to Manhattan Electrical Supply Company. Portable electric device	776,638	Dec. 6	342	73	113	1504
Avery, Colby M., assignor to Chisholm, Boyd & White Company, Chicago, Ill. Continuous drier for briquets	777,767	Dec. 20	2550	565	113	2018
Avery, Giacinta C., executrix. (See Avery, Russell.)						
Avery, H. W. (See Wright, Aaron, assignor.)						
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Metallic railway-tie	768,839	Aug. 30	5564	1168	111	2349
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Making shovels	771,032	Sept. 27	3644	768	112	869
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Shovel	771,033	Sept. 27	3645	768	112	869
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Metallic railway-tie	771,034	Sept. 27	3646	768	112	869
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Metallic railway-tie	771,035	Sept. 27	3647	768	112	870
Avery, Henry W., assignor of one-half to Avery Stamping Company, Cleveland, Ohio. Shovel	771,199	Sept. 27	3969	898	112	940
Avery Manufacturing Company. (See Bartholomew, John B., assignor.)						
Avery Manufacturing Company. (See Watson, Frank C., assignor.)						
Avery, Percy C., Chicago, Ill. Acetylene-gas generator	760,723	May 24	4269	908	110	1008
Avery, Percy C., Chicago, Ill. Acetylene-gas generator	766,983	Aug. 9	1759	369	111	1452
Avery, Russell, deceased, Sausalito, Cal.; G. C. Avery, executrix. Railway signaling device	777,060	Dec. 13	1203	263	113	1711
Avery Stamping Company. (See Avery, Henry W., assignor.)						
Avery, William G., Painesville, Ohio. Elevator-bucket	751,138	Feb. 2	653	151	108	1199
Avery, William G., Painesville, Ohio. Elevator-bucket	764,975	July 12	2208	456	111	499
Avery, Samuel. (See Dickinson, John E. T., assignor.)						
Azman, William, and E. Kuechie, Yonkers, N. Y. Hanger for sliding doors	766,578	Aug. 2	894	188	111	1237
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-testing machine	778,622	Dec. 27	4284	985	113	2399
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-testing machine	778,623	Dec. 27	4287	936	113	2400
Aydelott, Jacob S., Marion, Ind. Exercising-ball	749,147	Jan. 12	1207	258	108	296
Aydelotte, Jacob S. (See Gasaway and Aydelotte.)						
Ayer, Albert, East Boston, Mass., assignor to Loop Lock Machine Company, Portland, Me. Shoe-sewing machine	769,292	Sept. 6	316	72, 73	112	67
Ayer, James I., Cambridgeport, assignor to Simplex Electric Heating Company, Boston, Mass. Electric soldering-iron	748,571	Jan. 5	8	2	108	4
Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Apparatus for controlling current-supply to electrically-heated tools	748,572	Jan. 5	9	3	108	4

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Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Electrically heated.....	748,573	Jan. 5	14	4	108	6
Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Apparatus for producing electric arcs for heating and lighting purposes.....	748,574	Jan. 5	15	4	108	6
Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Plug-switch.....	768,925	Aug. 30	5732	1204 1205	111	2388
Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Automatic electric switch.....	773,182	Oct. 25	4127	871	112	1917
Ayer, James I., Cambridge, assignor to Simplex Electric Heating Company, Boston, Mass. Cigar-lighter.....	777,061	Dec. 13	1206	283 284	113	1711
Ayer, William M. (See Beale, Harry O., assignor.)						
Ayers, Daniel H. (See Gregg, Holland C., assignor.)						
Ayers and Sons, William. (See Ayres, Louis H., assignor.)						
Ayers, William F. (See Johnson, Benjamin L., assignor.)						
Ayling, John, Mimico, Canada. Weight-holder for vehicles.....	777,174	Dec. 13	1405	310	113	1755
Aylsworth, George M., Collingwood, Canada. Radiator.....	753,081	Feb. 23	4312	958	108	2053
Aylsworth, Jonas W. (See Miller and Aylsworth.)						
Aylsworth, Jonas W., East Orange, N. J. Propulsion of electric automobiles.....	757,715	Apr. 19	3012	654 655	109	2019
Aylsworth, Jonas W., East Orange, N. J. Arm for pneumatic tires.....	758,885	May 3	625	124	110	148
Aylsworth, Jonas W., East Orange, assignor to Edison Storage Battery Company, Orange, N. J. Nickel-plating.....	765,371	July 19	2941	615	111	672
Aylward, William, Jr., Neenah, Wis. Catch-basin.....	749,148	Jan. 12	1208	250	108	296
Ayres, Henry W., Los Angeles, Cal. Loose-leaf ledger.....	758,292	Apr. 26	4158	898	109	2287
Ayres, Henry W., Los Angeles, Cal. Loose-leaf book.....	764,102	July 5	385	73	111	85
Ayres, Henry W., Los Angeles, Cal. Detachable book-leaf.....	764,701	July 12	1655	398	111	377
Ayres, Louis H., assignor to W. Ayres and Sons, Philadelphia, Pa. Horse-blanket.....	749,514	Jan. 12	1996	415	108	467
Ayres, Raymond. (See Anderson and Ayres.)						
Ayres, Reuben B., East Orange, N. J. Tire-shield.....	777,768	Dec. 20	2555	566	113	2019
Ayres & Sons, William. (See Hooper, Frank, assignor.)						
Ayres, William V. K., Newark, N. J. Non-refillable bottle.....	760,979	Sept. 13	1599	340	112	377
Ayvad, Hachig A., Hoboken, N. J. Valve for swimming-bags.....	760,948	May 24	4716	1005	110	1103
Azary, Cornelius Lippa, Austria-Hungary. Apparatus for making reticulated or open-work wire receptacles.....	752,748	Feb. 23	3728	831	108	1921
B. A. Moody Hydro-Carbon Burner Company. (See Moody, Benjamin A., assignor.)						
B. B. Fence Company. (See Beebe, Charles S., assignor.)						
B. E. Blake & Son. (See Buckland, Orson E., assignor.)						
B. F. Goodrich Company. (See Kepler, Irwin F., assignor.)						
B. F. Goodrich Company. (See Raymond, Harry K., assignor.)						
B. F. Goodrich Company of Ohio. (See Kepler, Irwin F., assignor.)						
B. F. Goodrich Company of Ohio. (See Shaw, Edwin C., assignor.)						
Baare, Edwin H., assignor to A. E. Poss, St. Louis, Mo. Machine for branding crown-corks.....	768,647	Aug. 30	5168	1086 1087	111	2261
Baare, Edwin H., assignor to A. E. Poss, St. Louis, Mo. Carbureter.....	768,648	Aug. 30	5172	1087	111	2262
Baare, Edwin H., assignor to A. E. Poss, St. Louis, Mo. Branded crown-cork.....	768,649	Aug. 30	5173	1088	111	2262
Babbitt, Charles E., et al. (See Mulvaney, John J., assignor.)						
Babbitt, Mary J., Jackson, Mich. Means for removing jaw-stoppers.....	755,208	Mar. 22	3914	665	109	905
Babcock, Frank H., Butler, Pa. Fire-escape.....	776,716	Dec. 6	499	110	112	1537
Babcock, Garrison, Chicago, Ill. Lightning-arrester.....	757,388	Apr. 12	2350	519	109	1858
Babcock, Garrison, Chicago, Ill. Lightning-arrester.....	763,350	June 28	3422	744	110	2241
Babcock, Garrison, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective signaling system.....	750,798	Feb. 2	20	5	108	1062
Babcock, Garrison, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective signaling system.....	763,351	June 28	3425	745	110	2242
Babcock, Lisle H., Canisteo, N. Y., assignor to Eagle Dental Manufacturing Company, Philadelphia, Pa. Matrix-band retainer.....	774,816	Nov. 15	2502	539	113	598
Babcock, Lucien C., New York, N. Y. Machine for automatically sealing envelopes.....	758,497	Apr. 26	4503	980 981	109	2380
Babcock, Orville C., Saginaw, Mich. Plow.....	757,539	Apr. 10	2668	584	109	1942
Babcock, W. I. (See Gunnell, Elias, assignor.)						
Babin, Arsene E. (See Riggs and Babin.)						
Babin, Robert M., Waterbury, Conn. Faring implement.....	755,604	Mar. 29	4645	1032	109	1076
Babson, Charles, Gloucester, Mass. Neckwear.....	754,188	Mar. 8	1908	425	109	437
Baburger, Leopold S., trustee. (See Wells, Rosia W., assignor.)						
Bace, John, Tacoma, Wash. Switch-operating apparatus.....	775,023	Nov. 15	2929	624	113	603
Bach, Emil, Heilbronn, Germany. Machine for stripping and crushing grape-berries.....	770,038	Sept. 13	1706	361 362	112	403
Bach, Eva, New York, N. Y. Sheet for tallying points in whist.....	758,808	May 3	453	90	110	111
Bach, Wilhelm, Apolda, Germany. Cam device for Lamb knitting-machines.....	775,742	Nov. 22	4483	949	113	1064
Bachand, Levi N., Chicago, Ill. Mattress.....	758,886	May 3	626	124	110	148
Bachand, Levi N., Chicago, Ill. Folding sofa-bed.....	766,924	Aug. 9	1653	347	111	1428
Bachand, Levi N., Chicago, Ill. Sofa-bed.....	766,925	Aug. 9	1658	348	111	1429
Bacharach, Samuel, Brooklyn, N. Y. Penholder-guide.....	752,432	Feb. 16	3115	692	108	1768
Bache, William H., Boundbrook, N. J. Sheet for roof-covering.....	754,273	Mar. 8	2077	460	109	472
Bachelier, William H. (See Campbell, William M., assignor.)						
Bachenheimer, Hugo, et al. (See Stone, John V., assignor.)						
Bachman, Harvey L., South Bethlehem, Pa. Controller.....	768,262	Aug. 23	4347	914	111	2059
Bachman, Valentine, Indianapolis, Ind. Mechanical stoker.....	777,062	Dec. 13	1210	264 265	113	1712
Bachmann, Conrad, Erie, Pa. Cut-off for gas-lines.....	761,190	May 31	5212	1107	110	1228
Bachmann, Paul, Cologne, Germany. Weaving an insecticide.....	759,208	May 3	1250	110	110	285
Bachofen, Fritz. (See Chuit and Bachofen.)						
Bachtel, Samuel R., assignor to T. Duncan, Lafayette, Ind. Fan.....	769,676	Sept. 6	1028	222	112	236
Backer, Arthur J., Syracuse, N. Y. Electric-railway switch-point and operating means therefor.....	759,060	May 3	936	190	110	213
Backer, Frank J. (See Silver and Backer.)						
Backer, Johann. (See Reich, Caspar, assignor.)						
Backes, Charles, Wallingford, Conn. Detonating toy.....	751,041	Feb. 2	478	112	108	1163
Backlund, Knute, and B. F. Burman, Baltimore, Md. Charging apparatus for blast-furnaces.....	758,498	Apr. 26	4567	982 983	109	2381
Backman, August, Virginia, Minn. Hose-coupling.....	761,643	June 7	11	2	110	1498
Backstrom, Charles A., Milwaukee, Wis. Turbine running wheel.....	771,750	Oct. 4	1054	235	112	1184
Backstrom, Charles A., Milwaukee, Wis. Shaft-coupling.....	775,884	Nov. 22	4750	1007	113	1120
Backstrom, Charles A., Milwaukee, Wis. Turbine-shaft packing.....	775,910	Nov. 22	4809	1019	113	1151
Backus, Charles F. (See Barker, James, assignor.)						
Backus, George J. (See Chambers and Cole, assignors.)						
Backus, Henry M., Weston, Ohio. Shoe-polisher.....	749,832	Jan. 19	2617	559	108	620

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Backus, Henry N., Detroit, Mich. Crate.....	759,653	May 10	2175	447	110	509
Backus, John C., Smethport, Pa. Apparatus for setting pins of bowling-alleys.....	771,963	Oct. 11	1490	337 338	112	1290
Bacon, Anson J., Hallowell, Me. Folding box.....	752,880	Feb. 23	3984	892	108	1978
Bacon, Arthur S., Gonzales, Tex. Fire-escape.....	752,279	Feb. 16	2817	625	108	1705
Bacon, Burwell R., Frankfort, Ky. Lock-faucet.....	753,349	Mar. 1	239	55	109	54
Bacon, Ebenezer S., Detroit, Mich. Pottery-kiln.....	756,561	Apr. 5	715	354	109	1494
Bacon, Martin J., San Francisco, Cal. Seam-ripper.....	753,655	Mar. 1	836	188	109	1382
Bacon, Paul H., New Haven, Conn. Water-closet attachment.....	752,321	Feb. 16	2899	646	108	1722
Badeau, Charles C., Swissvale, Pa. Electric switch.....	752,192	Feb. 16	2631	584	108	1662
Badeau, Charles C., Swissvale, Pa. Clip for electric switches and making same.....	771,222	Oct. 4	6	1	112	962
Badeau, Charles C., Schenectady, N. Y., assignor to General Electric Company. Multi-pole voltmeter-switch.....	762,675	June 14	2088	453	110	1911
Badeau, Charles C., Schenectady, N. Y., assignor to General Electric Company. Carbon break-switch.....	765,609	July 19	3406	718	111	772
Badeau, Charles C., Schenectady, N. Y., assignor to General Electric Company. Switch.....	772,914	Oct. 25	3429	744	112	1756
Badeker, John, assignor to Badeker Metallic Packing Company, Omaha, Nebr. Packing. Badeker Metallic Packing Company. (See Badeker, John, assignor.).....	777,655	Dec. 20	2355	618	113	1975
Baden, Henry, and W. Glüss, assignors to American Cement Roofing Co., Incorporated, Hamler, Ohio. Cement roofing-plate.....	753,188	Feb. 23	4586	1023	108	2114
Baden, Henry, and W. Glüss, assignors to American Cement Roofing Co., Incorporated, Hamler, Ohio. Machine for molding cement roofing-tiles.....	768,672	Aug. 20	5619	1190	111	2361
Badenhop, Herman, and W. Rosebrook, Wauson, Ohio. Corn-planter.....	771,964	Oct. 11	1494	338	112	1291
Badger, Arthur C., Boston, Mass. Chemical fire-extinguisher.....	750,566	Jan. 26	4004	865	108	935
Badger, Arthur C., Boston, Mass. Stop-valve.....	762,268	June 14	1251	269	110	1732
Badger, Frank O., et al. (See Bartram, Walker B., assignor.).....						
Badger, George L., Quincy, Mass. Rubbing-wheel.....	773,535	Nov. 1	3	2	113	3
Badger, Oliver L., Wheeling, W. Va. Warm-air furnace.....	749,834	Jan. 5	537	121	108	120
Bading, William F., Grand Haven, Mich. Combined spring and lock hinge.....	765,372	July 19	2944	616	111	673
Badische Anilin & Soda Fabrik. (See Abel and Lüttringhaus, assignors.).....						
Badische Anilin & Soda Fabrik. (See Bally, Oscar, assignor.).....						
Badische Anilin & Soda Fabrik. (See Bäuml, Wilhelm, assignor.).....						
Badische Anilin & Soda Fabrik. (See Behaghel and Schumann, assignors.).....						
Badische Anilin & Soda Fabrik. (See Bohn, René, assignor.).....						
Badische Anilin & Soda Fabrik. (See Dehoff and Wessbecher, assignors.).....						
Badische Anilin & Soda Fabrik. (See Dorner, August, assignor.).....						
Badische Anilin & Soda Fabrik. (See Graul, Otto J., assignor.).....						
Badische Anilin & Soda Fabrik. (See Jeanmaire and Bohn, assignors.).....						
Badische Anilin & Soda Fabrik. (See Julius, Paul, assignor.).....						
Badische Anilin & Soda Fabrik. (See Julius and Fussenegger, assignors.).....						
Badische Anilin & Soda Fabrik. (See Julius and Haeckel, assignors.).....						
Badische Anilin & Soda Fabrik. (See Julius and Osthelder, assignors.).....						
Badische Anilin & Soda Fabrik. (See Julius and Winter, assignors.).....						
Badische Anilin & Soda Fabrik. (See Julius, Reindel, and Günther, assignors.).....						
Badische Anilin & Soda Fabrik. (See Knietzsch, Rudolph, assignor.).....						
Badische Anilin & Soda Fabrik. (See Knietzsch, Seidel, and Graul, assignors.).....						
Badische Anilin & Soda Fabrik. (See Knietzsch, Seidel, and Meiser, assignors.).....						
Badische Anilin & Soda Fabrik. (See Lüttringhaus, Arthur, assignor.).....						
Badische Anilin & Soda Fabrik. (See Oberreit, Paul E., assignor.).....						
Badische Anilin & Soda Fabrik. (See Sapper and Reubold, assignors.).....						
Badische Anilin & Soda Fabrik. (See Stiegelmann and Reinking, assignors.).....						
Badische Anilin & Soda Fabrik. (See Vorländer, Drescher, and Seidel, assignors.).....						
Badische Anilin & Soda Fabrik. (See Weltz, Heinrich, assignor.).....						
Badische Anilin & Soda Fabrik. (See Wolf, Hermann, assignor.).....						
Badische Maschinenfabrik & Eisengesserei, vormals G. Sebold and Sebold & Neff. (See Beeg, Hans, assignor.).....						
Badlam, Edgar B., San Francisco, Cal. Hydrocarbon-burner.....	752,193	Feb. 16	2632	584	108	1662
Baechtold, Charles A., Westfield, N. J., assignor to Lidgerwood Manufacturing Company. Derrick-swinging mechanism.....	749,352	Jan. 12	1640	349	108	394
Baehr, George. (See Crawford and Baehr.).....						
Baehr, George, McKeesport, assignor to National Tube Company, Pittsburg, Pa. Flexible coupling.....	764,103	July 5	386	74	111	85
Baer, Henry C., New York, N. Y. Electric switch.....	759,586	May 10	2034	416	110	479
Baermann, Robert, assignor of one-half to A. Fuhrberg, Anaheim, Cal. Bottle case and carrier.....	777,769	Dec. 20	2555	566	113	2019
Baese, Carlo, Berlin, Germany. Photographic process for the reproduction of plastic objects.....	774,549	Nov. 8	1946	421	113	450
Baessler, Jacob, Philadelphia, Pa. Dipping-frame for chocolate-cream eggs.....	768,978	June 21	2704	587	110	2065
Baethig, Henry, Buffalo, N. Y. Sanitary attachment for telephone-transmitters.....	777,583	Dec. 13	2210	484	113	1929
Baetz, Henry, St. Louis, Mo. Drying apparatus.....	767,198	Aug. 9	2195	458	111	1545
Baeumle, John, Milwaukee, Wis. Pipe-elbow machine.....	748,686	Jan. 5	248	35, 59	108	54
Bagby, Eugene A., Winchester, Ky. Ruling-pen.....	768,504	Aug. 23	4845	1016	111	2173
Baggaley, Ralph, Pittsburg, Pa. Converter.....	764,332	July 5	854	175	111	187
Baggaley, Ralph, Pittsburg, Pa. Safety-shaft for quicksand or other dangerous ground.....	766,132	July 26	4463	956	111	1011
Baggaley, Ralph, Pittsburg, Pa. Sampling copper.....	766,579	Aug. 2	895	188	111	1237
Baggaley, Ralph, Pittsburg, Pa., and O. S. Garretson, Buffalo, N. Y., assignors to Garretson Furnace Company, Pittsburg, Pa. Slag-furnace.....	760,172	May 17	3197	670	110	754
Baggaley, Ralph, Pittsburg, Pa., and C. M. Allen, Lolo, Mont.; said Allen assignor to said Baggaley. Recovering values from ores by dissolving in molten bath.....	766,654	Aug. 2	1056	221	111	1275
Baggaley, Ralph, Pittsburg, Pa., and C. M. Allen, Lolo, Mont.; said Allen assignor to said Baggaley. Smelting ore and cleaning converter-slag.....	766,655	Aug. 2	1059	.....	111	1275
Baggaley, Ralph, Pittsburg, Pa., and C. M. Allen, Lolo, Mont.; said Allen assignor to said Baggaley. Producing matte.....	766,656	Aug. 2	1060	.....	111	1275
Baghurst, George A., Philadelphia, Pa. Carving-machine.....	769,931	Sept. 13	1513	324	112	359
Bagley, Charles H., assignor of two-thirds to L. Bender and G. H. Bell, Hoboken, N. J. Sugar-drawer attachment for bars.....	771,965	Oct. 11	1497	339	112	1292
Bagley, Frank A., assignor of one-half to A. B. Adair, Chicago, Ill. Shoe-lace tip.....	752,433	Feb. 16	3116	692	108	1769
Bagley, Fred A., Clarence, Iowa. Chicken-waterer.....	776,624	Dec. 27	4298	937	113	2401
Bagnall, Alfred E. (See Beale and Bagnall.).....						
Bagshaw, Herbert. (See McIntyre and Bagshaw.).....						
Bagwell, Daniel V., St. Louis, Mo. Rotary explosive-engine.....	759,953	May 17	2740	575	110	650
Bahme, Joseph C., Allegheny, Pa. Dust-guard for window shades or blinds.....	776,043	Nov. 29	5080	1074	113	1216
Bahr, John, Philadelphia, Pa. Drum.....	769,527	Sept. 6	766	165	112	174

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Bahr, John, Philadelphia, Pa. Drum	769,528	Sept. 6	767	165	112	174
Baier, Cletus, Rottweil, Germany Window	776,983	Dec. 6	1041	224	113	1658
Baier, George W., Cissnapark, Ill. Cake or doughnut cutter	769,932	Sept. 13	1518	325	112	360
Bail, Vincent, Holyoke, Mass. Fastening device for doors and sashes	749,515	Jan. 12	1997	415	108	467
Baile, Robert. (See Cossay, Meyer, assignor.)						
Bailey, Albert N., Johnstown, Pa. Saturator-bell	759,587	May 10	2036	416	110	479
Bailey, Albert W., Janesville, Wis. Hay-loader	753,219	Mar. 1	4	1,2	109	3
Bailey, Alford E., Independence township, Oakland county, Mich. Compensating spring for wire fences	760,513	May 24	3837	812	110	914
Bailey, Amos, Unionville, Iowa. Check-rod corn-planter	770,414	Sept. 20	2427	512	112	582
Bailey, Benjamin F., Ogden, Mich. Fence-weaving machine	756,928	Apr. 12	1417	316	109	1661
Bailey, Benjamin L., assignor of one-half to L. Pilling, Danielson, Conn. Loom-picker.	761,622	May 31	6024	1293	110	1409
Bailey, Charles A., Cromwell, Conn. Primer	762,269	June 14	1252	269	110	1732
Bailey, Drury D. and J. O., Banner, Cal. Rock breaker and pulverizer	752,945	Feb. 23	4147	923	108	2014
Bailey, Edward L., et al. (See Craw, Joseph T., assignor.)						
Bailey, Frank T. (See Bailey, John W., F. T., and M.)						
Bailey, Frank T. (See Mickey, Bailey, and Noppenberger.)						
Bailey, Howard S., and W. E. Wild, assignors to Mining, Milling, and Machinery Manufacturing Company, Denver, Colo. Ore-concentrator	751,971	Feb. 9	2221	500 501 502 503 504 505	108	1552
Bailey, James, Walsall, England. Electroplating-machine	770,148	Sept. 13	1898	403 404	112	444
Bailey, James F., Valdosta, Ga. Turpentine-still	770,149	Sept. 13	1899	404	112	444
Bailey, James O. (See Bailey, Drury D. and J. O.)						
Bailey, James S. (See Arnold, George, assignor.)						
Bailey, Jeanne A., Brooklyn, N. Y. Bake-pan	763,653	June 28	4021	876	110	2372
Bailey, Jefferson, Auburn, R. I. Non-refillable bottle	756,200	Apr. 5	6	1	109	1344
Bailey, John W., F. T., and M., Jersey City, N. J., assignors, by mesne assignments, to United Lead Company. Treating the residue resulting from manufacture of white lead	766,133	July 26	4467	957	111	1011
Bailey, Joseph M., Otto, Tex. Sash-holder	759,847	May 17	2557	534	110	609
Bailey, M. C., et al. (See Simpson, Bryant, assignor.)						
Bailey, Mark. (See Bailey, John W., F. T., and M.)						
Bailey, Newton C., Tampa, Fla. Ship-builder's clamp	754,115	Mar. 8	1788	398	109	411
Bailey, Robert E., Hammett, Ariz. Bottle-valve	772,269	Jan. 11	2138	467	112	1436
Bailey, Robert M. (See Lovell, Thomas D., assignor.)						
Bailey, Samuel L., Brooklyn, N. Y. Fence structure	749,015	Oct. 5	919	194	108	214
Bailey, Samuel R., Amesbury, Mass. Shaft-shackle for vehicles	759,225	May 10	1330	265	110	323
Bailey, Samuel R., Amesbury, Mass. Axle-nut	773,453	Oct. 25	4680	989	112	3036
Bailey, Theodore S. (See Bedell and Bailey.)	777,326	Dec. 13	1689	874	113	1517
Bailey, Thomas J. (See Cowan, Francis L., assignor.)						
Bailey, William H., Monongah, W. Va. Hose-coupling	763,837	June 25	4396	955	110	2453
Bailey, William H., Canal Dover, Ohio. Spring-balance for metal roughing and finishing mills	770,950	Sept. 27	3476	734	112	894
Bailache, John M., administrator, New York, N. Y. (See Johnston, George.)						
Ballie, Thomas J., and S. Anderson, Ottawa, Canada. Cattle-guard	753,220	Mar. 1	7	2	109	4
Bailey, Albert A., Cohoes, assignor to Tompkins Brothers Company, Troy, N. Y. Cloth-wheel for knitting machines	774,413	Nov. 8	1682	360 539 540	113	394 593
Bailor, Silas E., and F. M. Ashe, Tarkio, Mo. Cultivator	774,817	Nov. 15	2502	539 540	113	593
Bain, Eugene C., East Radford, assignor of one-fifth to W. J. Wall, Christiansburg, Va. Grain-drill	756,315	Apr. 5	240	50	109	1395
Bainbridge, William, Banning, Ca. Oil-can fastener	755,432	Mar. 22	4390	957	109	984
Baines, Frederick E. V., Greenwich, England. Device for use in connection with the sharpening of lead-pencils, crayons, or the like	749,713	Jan. 19	2378	503	108	568
Baines, Frederick E. V., Greenwich, England. Machine for sharpening or cutting pencils or the like	762,374	June 14	1471	320 321	110	1778 443
Baines, John A., New York, N. Y. Hand-cart	759,495	May 10	1868	876	110	443
Baines, Joseph E., assignor to National Tube Company, Pittsburg, Pa. Chuck for holding sockets	761,348	May 31	5526	1178	110	1295
Baines, William J., assignor of two-thirds to W. Wood, McKeesport, and A. N. McCaslin, Pittsburg, Pa. Valve for high-pressure pumps	774,732	Nov. 15	2334	505	113	555
Bair, Harvey. (See Dunnire and Bair.)						
Bair, Joseph L., New York, N. Y. Bottle	776,484	Dec. 6	6	2	113	1424
Baird, Berton G., Batavia, N. Y. Display-case	759,588	Aug. 10	2037	416 705 706 707	110	479 742
Baird, Clarence D., assignor of one-half to J. F. Roy and J. Jones, Alexandria, Tenn. Calculating and recording machine	754,836	Mar. 15	3237	706 707	109	742
Baird, Clarence D., assignor of one-half to J. F. Roy and J. Jones, Alexandria, Tenn. Ribbed mechanism for calculating machine	759,848	May 17	2559	534	110	609
Baird, Edgar W., et al. (See Durkin, John P., assignor.)						
Baird, Edgar W., Philadelphia, Pa., assignor to Standard Automatic Lubricator Company. Lubricating apparatus	768,840	Aug. 30	5566	1169	111	2349
Baird, James P., Dewitt, Iowa. Box	758,887	May 3	623	124	110	148
Baird, John P., Whitestone, N. Y. Chafe-iron for vehicles	759,849	May 17	2561	535	110	610
Baird, John P., Whitestone, N. Y., assignor to W. D. Johnson, L. E. Rhodes, Hartford, Conn., and W. I. Lyman, Whitestone, N. Y. Overhead vehicle-washer	750,932	Feb. 2	284	67	108	1120
Baker, Albert S., Sabanno, Tex. Detachable reel-support	766,580	Aug. 2	897	188	111	1238
Baker, Benjamin F., Burnthills, N. Y. Harness	751,773	Feb. 9	1829	416	108	1463
Baker, Benjamin. (See Conrath and Baker.)						
Baker Brothers. (See Colburn, Leslie H., assignor.)						
Baker, Charles A., Waukesha, assignor to Sterling Wheel Barrow Company, Milwaukee, Wis. Wheelbarrow	773,395	Dec. 27	3842	839	113	2804
Baker, Charles F. (See Danielson, Gustaf A., assignor.)						
Baker, Charles M., San Francisco, Cal. Gas-making apparatus	763,455	June 28	3671	791 291	110	2299
Baker, Charles W., Montclair, N. J. System of railway transportation	766,802	Aug. 9	1396	292	111	1371
Baker, David. (See Ladd and Baker.)						
Baker, Edwin S., and H. A. Scott, Piedmont, W. Va. Safety device for coupling alternators	774,974	Nov. 15	2830	603	113	669
Baker, Francis M., Fond du Lac, assignor of one-half to P. J. Zeidler, Lomira, and H. J. Baker, Fond du Lac, Wis. Torch	774,302	Nov. 8	1484	319	113	351

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Baker, Frank. (See Thompson, Frederick V., assignor.)						
Baker, Frederick H. (See Baker, Shevlin, and Baker.)						
Baker, Frederick J., and G. P. Wolf, Dayton, Ohio, assignors, by mesne assignments, to National Cash Register Company, Jersey City, N. J., Cash-register.	773,115	Oct. 25	3957	839 840	112	1878
Baker, George A., et al. (See Keene, Arthur H., assignor.)						
Baker, George B., and F. L. Mercer; said Baker assignor to W. H. Budd, Jr., Columbus, Ohio. Vending-machine.	763,456	June 28	3673	791 792	110	2300
Baker, George L. (See Haller and Baker.)						
Baker, George N. (See Baker, Herbert N. and G. N.)						
Baker, George S., London, England. Draw-plate oven.	751,443	Feb. 9	1227	280 876	108	1336
Baker, George S., London, England. Wheel-gearing for the transmission of power.	763,654	June 28	4023	877 878	110	2372
Baker, George S., London, England. Machine for spreading wafers, &c., with paste, &c.	776,485	Dec. 6	8	2, 3, 4 1117 1118	113	1425
Baker, George S., Willesden Junction, England. Baker's oven.	768,719	Aug. 30	5318	1119	111	2293
Baker, George S., Willesden Junction, England. Sandwich-biscuit-coating machine.	775,042	Nov. 22	4293	906 907	113	1029
Baker, George W., Wilmington, Del. Leather-staking machine.	776,984	Dec. 6	6 1042	225	113	1654
Baker, Harry E., Alliance, Ohio. Ratchet-wrench.	765,762	July 26	3734	797	111	854
Baker, Harry J., et al. (See Baker, Francis M., assignor.)						
Baker, Henry T., Toronto, Canada. Machine for making stair-pads.	770,346	Sept. 20	2318	488 489	112	559
Baker, Herbert N. and G. N., assignors to Syracuse Chilled Plow Company, Syracuse, N. Y. Wheeled scraper.	776,105	Nov. 29	5315	1124 1125	113	1267
Baker, Hugh C., Jr., New York, N. Y. Construction of manholes for conduits. (Reissue).	12,205	Mar. 22	4626	1027	109	1059
Baker, Hugh C., Jr., New York, N. Y. Manhole.	761,749	June 7	244	48	110	1492
Baker, Hugh C., Jr., New York, N. Y. Manhole.	761,750	June 7	247	48	110	1492
Baker, Hugh C., Jr., New York, N. Y. Manhole.	763,708	June 28	4139	902 903	110	2399
Baker, Hugh C., New York, N. Y. Manhole for conduits.	766,581	Aug. 2	598	532	111	1238
Baker, Irvin, Latty, Ohio. Brake-operating mechanism.	765,160	July 19	2549	533	111	588
Baker, James E. (See De Grody, Martin M., assignor.)						
Baker, James H., Pittsburg, Pa. Forging apparatus.	755,433	Mar. 22	4332	958 959	109	994
Baker, James H., assignor to Baker & Shevlin Company, Saratoga Springs, N. Y. Power-transmitting device.	776,288	Nov. 29	5546	1174	113	1319
Baker, James H., G. F. Shevlin, and F. H. Baker, assignors to Baker and Shevlin Company, Saratoga Springs, N. Y. Wood-pulp grinder.	755,989	Mar. 29	5422	1198	109	1253
Baker, James M., Providence, R. I. Hose-carrying tongs.	763,338	June 21	3392	738	110	2216
Baker, James R., Arlington, N. J., assignor to Cooper Hewitt Electric Company. Protecting device for vapor electric apparatus.	760,096	May 17	3032	632	110	718
Baker, Jay. (See Lippett, George, assignor.)						
Baker, John, Hoopeston, Ill. Process-kettle for canned fruits, vegetables, &c.	759,411	May 1	1710	346	110	407
Baker, Joseph G., assignor to Bonney Vise and Tool Works, Incorporated, Philadelphia, Pa. Wrench.	767,199	Aug. 9	2196	458	111	1546
Baker, Joseph G., and C. Gallagher, Richmond, Va. Bottle-closure.	759,496	May 10	1869	376	110	444
Baker, Joseph W., El Paso, Tex. Grading and ditching machine.	759,954	May 17	2742	575	110	650
Baker, Louis J., and R. E. French, Las Cruces, N. Mex. Ter. Show-case.	753,656	Mar. 1	837	188 189	109	183
Baker, Malcolm H., East Liberty, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulating device for electric circuits.	762,114	June 7	958	198	110	1645
Baker, Malcolm H., Pittsburg, and S. P. Wilbur, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.	762,115	June 7	960	198	110	1645
Baker, Malcolm H., New York, N. Y., and S. P. Wilbur, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.	762,116	June 7	962	199	110	1645
Baker-McMillen Company. (See James, Daniel A., assignor.)						
Baker, Melvin. (See Guardia, Albert A., assignor.)						
Baker, Milton L., Edgemont, Pa. Fertilizer-distributor.	754,408	Mar. 15	2395	524	109	557
Baker, Norman G. (See Vance and Baker.)						
Baker, Paul S. (See Vance and Baker.)						
Baker, Robert, Hamilton, Canada. Apparatus for burning soft coal.	753,836	Mar. 8	1246	280	109	289
Baker & Shevlin Company. (See Baker, James H., assignor.)						
Baker and Shevlin Company. (See Baker, Shevlin, and Baker, assignors.)						
Baker, Sidney J., assignor of one-half to F. J. Stohr and P. W. Freund, Muscatine, Iowa. Canning-machine.	772,078	Oct. 11	1745	888 889	112	1348
Baker, Thomas, Melbourne, Victoria, Australia. Preparing photographic prints for toning.	750,014	Jan. 19	2968	186	108	696
Baker, Thomas J., and E. Alexander, Findlay, Ohio. Flue-cleaner.	751,446	Feb. 9	1228	280	108	1337
Baker, Thomas W. (See Wilson and Baker.)						
Baker, Trion H., Leicester, England. Corset.	767,080	Aug. 9	1838	386	111	1469
Baker-Vawter Company. (See Shoemaker, George A., assignor.)						
Baker, Walter, Providence, R. I. Ribbon-shield for type-writing machines.	760,371	May 17	3537	745	110	829
Baker, Walter C., assignor to American Ball-Bearing Company, Cleveland, Ohio. Anti-friction-bearing.	753,820	Mar. 1	1211	272	109	260
Baker, Walter C., assignor to American Ball-Bearing Company, Cleveland, Ohio. Thrust-bearing.	770,840	Sept. 27	3270	689	112	787
Baker, William, Youngstown, Ohio. Automatic feed-regulator.	771,598	Oct. 4	746	167	112	1118
Baker, William H., Central Falls, R. I. Weft-replenishing loom.	765,453	Jan. 19	3113	652	111	709
Baker, William H., Central Falls, R. I., and F. E. Kip, Montclair, N. J. Weft-replenishing mechanism for looms.	749,979	Jan. 19	2888	618 619	108	673
Baker, William J., Scarborough, England. Apparatus for separating grease or water from steam.	752,194	Feb. 16	2634	584 585	108	1663
Baker, William J., Newport, Ky. Spring-mattress.	773,911	Nov. 1	765	160	113	176
Baker, William J., Southgate, Ky., assignor to H. G. Hess, Cincinnati, Ohio. Indicator or display apparatus.	764,333	July 5	855	175	111	187
Baker, William S., Purves, Tex. Safety attachment for gins.	776,007	Nov. 29	5024	1059 1060	113	1201
Baker, Worthington S., Pittsburg, Pa. Steamboat-propeller.	764,267	July 5	716	145	111	158
Bakke, Oscar S., Minneapolis, Minn. Ball-bearing for disk drills.	774,146	Nov. 8	1159	256	113	288
Balch, David M., Coronado, Cal. Treating seaweed.	771,760	Oct. 4	1055	112	118	1185
Balch, Herbert C., Benzonia, Mich. Fruit-picker.	766,657	Aug. 2	1061	223	111	1376

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Baldt, John. (See Cauffman and Baldt.)						
Baldwin, Adele M., Toronto, Canada. Kettle-steamer.....	773,272	Oct. 25	4307	910	112	1957
Baldwin, Alfred, Goffs Falls, N. H. Loom-shuttle.....	749,353	Jan. 12	1643	350	108	395
Baldwin, Chakley B., Philadelphia, Pa. Umbrella-rib.....	777,999	Dec. 20	3064	673	113	2119
Baldwin, Chakley B., assignor to S. W. Evans & Son, Philadelphia, Pa. Umbrella-geat.	756,562	Apr. 5	717	155	109	1494
Baldwin, Charles E., Brooklyn, N. Y. Box.....	749,592	Jan. 19	2720	581	108	643
Baldwin, Clarence K. (See Ticknor and Baldwin.)						
Baldwin, Clarence K., New York, N. Y., assignor to Robins Conveying Belt Company. Chute.....	758,809	May 3	456	91	110	111
Baldwin, Clarence K., New York, N. Y., assignor to Robins Conveying Belt Co. Brushing apparatus for conveyor belt.....	766,013	July 26	4230	902	111	960
Baldwin, Clarence K., and F. E. Ticknor, assignors to Robins Conveying Belt Company. New York, N. Y. Tripper or deliverer for conveying apparatus.....	758,810	May 3	458	91, 92	110	112
Baldwin Company. (See Jobs, Lawrence U., assignor.)						
Baldwin Company. (See Sorenson, Andrew J., assignor.)						
Baldwin, Cyrus W., deceased; M. E. Baldwin, Yonkers, N. Y., executrix, assignor to Otis Elevator Company, East Orange, N. J. Safety device for elevators.....	756,511	Apr. 12	1190	264	109	1615
Baldwin, Elmer E., Coneyaut, Ohio. Bridge for rail ends.....	762,607	June 14	1959	423	110	1881
Baldwin, Henry S., Lynn, Mass., assignor, by mesne assignments, to Morton Trust Company, trustee. Motor-vehicle.....	756,152	Mar. 29	5714	1261	109	1315
Baldwin, Henry S., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Variable-stroke mechanism.....	772,391	Oct. 18	2386	524	112	1512
Baldwin, Henry S., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Means for regulating the production of steam.....	772,392	Oct. 18	2390	525	112	1513
Baldwin, James E., East Williston, N. Y. Thermostatic gas-detecting means.....	754,534	Mar. 15	2663	578	109	618
Baldwin, Mary E., executrix. (See Baldwin, Cyrus W.)						
Baldwin, Rollin A., South Norwalk, Conn., assignor to Baldwin and Rowland Switch Company. Electromagnetic railway-switch.....	756,316	Apr. 5	244	50	109	1396
Baldwin and Rowland Switch Company. (See Baldwin, Rollin A., assignor.)						
Baldwin, Samuel S. (See Roeber and Baldwin.)						
Baldwin, Stephen W., New York, N. Y. Sharpening device.....	761,936	June 7	644	130	110	1381
Balfour, Jefferson W., Abbeville, Miss. Washing-machine.....	772,493	Oct. 18	2606	573	112	1535
Balgemann, Robert, Chestnut, Mont. Windmill attachment.....	763,037	June 21	2311	610	110	2088
Ball, Augustus A., Jr. (See Thomson and Ball.)						
Ball, Augustus A., Jr., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Boiler.....	761,130	May 31	5101	1084	110	1203
Ball, Augustus A., Jr., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Flue construction for vehicles.....	767,031	Aug. 9	1839	387	111	1470
Ball, Augustus A., Jr., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Shaft-coupling.....	770,039	Sept. 13	1707	362	112	403
Ball, Augustus A., Jr., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Intercepting-valve.....	771,892	Oct. 11	1346	305	112	1261
Ball, Augustus W., assignor of three-fourths to G. A. Tower, H. A. McCurdy, and F. L. Johnson, Richmond, Va. Curing and preserving meats.....	760,173	May 17	3199	670	110	754
Ball, Bert C., Portland, Oreg. Cut-off mechanism for reversing-engines.....	758,950	May 3	745	147	110	173
Ball, Charles A., Washington, D. C. Fitting for steam-heating systems.....	772,850	Oct. 18	3305	721	112	1711
Ball, Edward. (See Hartman, Charles G., assignor.)						
Ball Engine Company. (See Smith, John W., assignor.)						
Ball, Frederic J. (See Sintz, Clark, assignor.)						
Ball, Frederic J., Brooklyn, N. Y. Reversing mechanism.....	749,516	Jan. 12	1999	416	108	468
Ball, Frederic J., New York, N. Y. Reversing mechanism.....	749,602	Jan. 12	2147	447	108	502
Ball, Frederic J., New York, N. Y. Band-brake.....	752,881	Feb. 23	3985	892	108	1978
Ball, George W., Washington, D. C. Projectile.....	767,980	Aug. 16	3575	753	111	1868
Ball, Harry A., and U. A. Wernet, Canton, Ohio. Sheet-metal lining for walls or ceilings.....	769,245	Sept. 6	212	50	112	46
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Speed-regulator for mechanical musical instruments.....	749,517	Jan. 12	2002	416	108	460
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Music-sheet.....	750,010	Apr. 12	1395	347	109	1697
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Perforating device for music-rolls.....	761,131	May 31	5103	1084	110	1204
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Perforating device for music-rolls.....	761,132	May 31	5105	1084	110	1204
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Perforating device for music-rolls.....	763,038	June 21	2813	611	110	2088
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Perforating device for music-rolls.....	766,803	Aug. 9	1400	292	111	1372
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Perforated music-roll.....	778,436	Dec. 27	3922	854	113	2322
Ball, Henry P., New York, N. Y., assignor of one-half to S. Insull, Chicago, Ill. Mechanism.....	778,437	Dec. 27	3928	855	113	2323
Ball, Henry P., New York, N. Y., assignor to General Incandescent Arc Light Company, of New York. High-tension oil-switch.....	760,601	May 24	3994	849	110	949
Ball, Henry P., New York, N. Y., assignor to General Incandescent Arc Light Company, of New York. Oil-switch.....	760,602	May 24	3999	850	110	950
Ball, Henry P., New York, N. Y., assignor to General Incandescent Arc Light Company, of New York. Electric switch.....	760,603	May 24	4001	851	110	951
Ball, Henry P., New York, N. Y., assignor to General Incandescent Arc Light Company, of New York. Electric switch.....	761,133	May 31	5110	1085	110	1206
Ball, Jacob, assignor of one-third to W. Oldfield, Barnesboro, Pa. Nut-lock.....	771,966	Oct. 11	1498	330	112	1292
Ball, Philip D., St. Louis, Mo. Refrigerator-car.....	754,039	Mar. 8	1637	364	109	377
Ball, Philip D., St. Louis, Mo., and C. L. Wakefield, Dallas, Tex. Governing mechanism.....	754,038	Mar. 8	1636	364	109	377
Ball, Samuel C., West Pullman, Ill. Bridge-plate and fastening for rail-joints.....	750,654	May 10	2176	447	110	509
Ball, Samuel C., Chicago, Ill. Spring washer or plate.....	772,079	Oct. 11	1748	389	112	1349
Ball and Socket Fastener Company. (See Richardson, William S., assignor.)						
Ball and Socket Manufacturing Company. (See Richardson, William S., assignor.)						
Ball & Socket Manufacturing Company. (See Strickler, John D., assignor.)						
Ball, Thomas J., Sabine, Tex. Ice-hoe.....	758,811	May 3	461	92	110	113
Ball, Warren J., and R. Cole, Salem, Ohio; said Ball assignor to said Cole. Chain-link.....	756,563	Apr. 5	717	155	109	1494
Ballance, John, New York, N. Y. Reservoir or fountain brush.....	763,241	June 21	3219	694	110	2179
Ballance, Samuel J., A. and G. Uhlich, Lincoln, Nebr. Strainer attachment for automatic air-brakes.....	767,859	Aug. 16	3465	732	111	1844
Ballard, Charles W. (See Sickelsteel and Ballard.)						
Ballard Drop Forge Co. (See Hight, Albert W., assignor.)						
Ballard, Frank E., F. A. Rantz, and G. W. Collin, Bridgeport, Conn. Fluid-tank indicator.....	768,109	Aug. 23	4056	854	111	1995

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Ballard, Harrie A., Ashland, Mass., assignor to Copeland Boot and Shoe Treering Company, Portland, Me. Shoe-tacking machine	776,771	Dec. 6	612	133	113	1561
Ballard, Samuel J., Brooklyn, N. Y. Brush	768,554	Aug. 23	4946	1034	111	2194
Ballard, William O. (See Snead and Ballard.)						
Ballenberger, John, and C. Scheidemantel, Pittsburg, Pa. Hose-coupling	749,253	Jan. 12	1425	305	108	347
Ballingier, Walter F., and E. G. Perrot, Philadelphia, Pa. Inclosed or tower fire-escape.	777,648	Dec. 13	2332	511 512	113	1954
Balluet, Henri, assignor to J. E. Thomé, Nouzon, France. Drilling-machine	750,423	Jan. 26	3717	806 807	108	878
Balluff, Henry E. (See Schebler, Theodore N., assignor.)						
Bally, Oscar, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone dye and making same	749,913	Jan. 19	2763		108	651
Bally, Oscar, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same	753,657	Mar. 1	842		109	184
Balsley, Charles H., Newhaven, assignor of two-thirds to J. J. Driscoll, Connellsville, and R. S. McKee, Newhaven, Pa. Vending-machine	751,774	Jan. 9	1832	417	108	1464
Balsley, Philip H. A., Detroit, Mich. Flower-pot	752,370	Feb. 16	2989	666	108	1743
Balthazard, Baptiste, assignor to Société Chimique des Usines du Rhône. Anciennement Gilliard, P. Monnet et Cartier, St. Fous, France. Making acetyl-salicylic acid and esters thereof	749,980	Jan. 19	2893		108	680
Baltimore Amalgamator Company of Baltimore City. (See Nelson, Peter J., assignor.)						
Baltimore Ball Bearing Co. (See Norwood, John E., assignor.)						
Baltimore Railway Specialty Company. (See Norwood, John E., assignor.)						
Baltzer, Henry P., Hamburg, N. Y. Vehicle-tongue	750,933	Feb. 2	286	67	108	1120
Baltzer, Henry P., Hamburg, N. Y. Vehicle-thill	777,890	Dec. 20	2696	593	113	2047
Baltzingier, Frederic, Montbéliard, France. Explosion-motor	752,434	Feb. 16	3117	692 693	108	1769
Baltzley, Edward. (See Clark, Ernest P., assignor.)						
Baltzley, Edwin, Glen Echo, Md., D. M. and T. R. Quay, New York, N. Y., assignors to Traveling Stairway Company. Traveling stairway	765,648	July 19	3489	736 737	111	789
Baluss, Hamilton, Jr., Wayne, Mich. Air-brake	759,226	May 10	1381	265 266	110	323
Balze, Frederick, assignor to R. Hoe and C. W. Carpenter, New York, N. Y. Feeding mechanism for stapling-machines	765,911	July 26	4026	960	111	917
Balze, John C. F., assignor to R. Hoe, New York, N. Y. Plate-clamp	778,214	Dec. 27	3461	762	113	2221
Bamber, William C. (See Hunter and Bamber.)						
Bamberger, Lee. (See Keefer, Edward S., assignor.)						
Bambrick, Thomas H. (See Glazier, Lyman G., assignor.)						
Bamford, John W., assignor of one-half to J. H. Smith, Pascoag, R. I. Bearing	756,564	Apr. 5	718	155	109	1494
Bancroft, Harold J. (See Manderson, John, assignor.)						
Bancroft, John S., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Centering mechanism	749,149	Jan. 12	1209	259	108	297
Bancroft, John S., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type-mold	752,814	Feb. 23	3855	864	108	1949
Bancroft, John S., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Mold-dimensioning mechanism for type-machines	770,253	Sept. 20	2106	443	112	508
Bancroft, John S., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Measuring mechanism for perforating-machines	770,254	Sept. 20	2109	444	112	509
Bandlow, Henry E., Chicago, Ill. Tin can	750,077	Jan. 19	3083	663 674	108	718
Bange, Charles T. M. V. de, Versailles, France. Mounting of railway or tramway rolling-stock	758,293	Apr. 26	4031	875 876	109	2260
Banghart, Charles S. (See Fuller and Banghart.)						
Banke, John H., Dayton, Ohio. Wood-scraper	759,227	May 10	1335	266	110	324
Bankers Adding Machine Co. (See Dennis, Adolphus S., assignor.)						
Bankers Electric Protective Company. (See Coleman, Clyde, assignor.)						
Bankay, Charles, San Francisco, Cal. Threshing-machine	753,032	Feb. 23	4314	958 959 960	108	2053
Banks, Alexander F. (See Campbell, Robert B., assignor.)						
Banks, Alexander F., et al. (See Olden, William Q., assignor.)						
Banks, George L., assignor of one-half to J. A. Drake, Santa Ana, Cal. Step-ladder	767,257	Aug. 9	3298	481	111	1568
Banks, Harlow O., deceased, Chicago, Ill.; R. F. Locke, administrator. Stove or furnace	764,334	July 5	858	176	111	187
Banks, Samuel F., et al. (See Kates, Samuel F., assignor.)	754,274	Mar. 8	3078	461	109	472
Bannatney, Archibald, assignor to Waterbury Clock Company, Waterbury, Conn. Stem winding and setting watch	767,096	Aug. 9	1988	414	111	1502
Bannerman, James, et al. (See Butcher, James M., assignor.)						
Bannuhr, Caesar R., New York, N. Y. Heater	748,835	Jan. 5	530	121 122	108	130
Bannuhr, Caesar R., New York, N. Y. Garment-fastener	756,201	Apr. 5	6	2	109	1344
Bannuhr, Caesar R., New York, N. Y. Stocking or hose supporter	765,095	July 26	3596	765	111	827
Banning, Bernhard, Lengerich, Germany. Means for securing enameled plates in position	777,656	Dec. 20	2358	518	113	1975
Bansee, Charles G., and H. F. Knapp, Milwaukee, Wis. Quoin-lock	763,709	June 28	4141	903	110	2399
Banta, Bert, and C. Mathews, Fenton, Mich. Rotary explosive-engine	749,654	Jan. 12	2245	473 474	108	521
Banta, George, et al. (See Butcher, James M., assignor.)						
Banzett, Henry. (See Banzett, William E., assignor.)						
Banzett, William E., New York, N. Y., assignor of one-half to H. Banzett, Axtell, Nebr. Cover for cooking utensils	751,244	Feb. 2	879	201	108	1244
Barabasz, Mieczyslaw. (See Stenzy, August F. P., assignor.)						
Baragar, James H., Laporte, Ind. Street-sweeper	777,175	Dec. 13	1406	310 311	113	1755
Barbe, Louis E., Paris, France. Apparatus for washing, disinfecting, and drying	757,011	Apr. 12	1597	348	109	1698
Barbe, Louis E., Paris, France. Dry-cleaning garments	774,025	Nov. 1	973	208 204	113	221
Barbeau, Malcolm L., assignor to S. Howes Company, Silvercreek, N. Y. Centrifugal grain-drier	752,882	Feb. 23	3956	893	108	1978
Barbee, Thomas M., assignor of three-fourths to S. P. Vogt and L. V. Brown, Corydon, Ind. Heating-stove	754,273	Mar. 8	3080	461	109	472
Barber, Charles, and G. L. Chace, Attleboro, Mass. Waste-trap	762,584	Sept. 6	837	184	112	194
Barber, Colonel M., Monson, Mass. Feed for carding-engines	766,486	Aug. 2	706	148	111	1194
Barber, Eugene R., Valdosta, Ga. Cotton-gin	750,567	Jan. 26	4005	866	108	935
Barber, Eugene R., Valdosta, Ga. Cotton-gin	766,582	Aug. 2	899	189	111	1238

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Barber, George D., Worcester, Mass. Envelop-fastener.....	757,716	Apr. 19	3014	635	109	2020
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery mechanism for printing-machines.....	757,248	Apr. 12	2056	448 449	109	1798
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Mechanical movement.....	776,289	Nov. 29	5549	1175	113	1320
Barber, John C., Chicago, Ill. Car-truck.....	752,946	Feb. 23	4149	923 924	108	2014
Barber, John C., Chicago, Ill. Car-truck.....	762,371	June 21	2519	546	110	2023
Barber, John D., Cleveland, Ohio. Telescoping car.....	770,885	Sept. 27	3348	707	112	804
Barber, Robert W., Clearfield, Pa. End-gate.....	773,776	Nov. 1	455	101	113	107
Barber, Thomas W., London, England. Motor-vehicle.....	749,150	Jan. 12	1214	260 261	108	298
Barber, Thomas W., London, England. Variable-speed gear.....	749,151	Jan. 12	1215	262 263	108	298
Barber, Thomas W., London, England. Steam-generator.....	763,655	June 28	4026	879	110	2373
Barber, Thomas W., London, England. Friction-clutch.....	764,104	July 5	388	74, 75	111	85
Barber, Thomas W., Westminster, England. Tube for boilers.....	755,558	Mar. 22	4545	1011	109	1040
Barber, William M., Somerville, assignor to E. W. Anthony, Brookline, Mass. Drying paper.....	763,242	June 21	3921	694	110	2179
Barberg, Isaac A., Cokato, Minn. Mower.....	770,733	Sept. 27	3036	646	112	735
Barberie, John, Brooklyn, N. Y. Safety apparatus for locomotives.....	752,815	Feb. 23	3853	865	108	1950
Barberie, John, Brooklyn, assignor to Barberie Locomotive Appliance Company, New York, N. Y. Safety apparatus for locomotives.....	772,393	Oct. 18	2393	526	112	1513
Barberie, John, Brooklyn, assignor to Barberie Locomotive Appliance Company, New York, N. Y. Safety apparatus for locomotives.....	772,394	Oct. 18	2396	526	112	1514
Barberie, John, Brooklyn, assignor to Barberie Locomotive Appliance Company, New York, N. Y. Safety apparatus for locomotives.....	772,395	Oct. 18	2398	526	112	1515
Barberie Locomotive Appliance Company. (See Barberie, John, assignor.)						
Barberie Locomotive Appliance Company. (See Walsh, Thomas J., assignor.)						
Barbier, Alexandre, C. Charmetant, and J. Grassy, Lyons, France. Loom for weaving figured goods.....	750,015	Jan. 19	2969	635	108	696
Barbosa, Francisco G., Limon, Costa Rica. Combinational telegraph instrument.....	776,985	Dec. 6	1044	225 226	113	1659
Barbou, Alfred M. L. (See Javaux and Barbou.)						
Barbour, James, Belfast, Ireland. Apparatus for applying and adjusting the pressure of top drawing-rollers.....	767,788	Aug. 16	3310	698	111	1812
Barbour, Thomas J., assignor to Risdon Iron & Locomotive Works, San Francisco, Cal. Water-tube boiler.....	766,538	Aug. 2	901	189 190	111	1239
Barclay, James A., Bailena, Cal. Mail-delivery box.....	766,095	July 26	4394	941	111	995
Barclay, James S., Marion, Ind. Wrench.....	758,580	Apr. 26	4728	1019	109	2416
Barclay, John C., New York, N. Y. Rheostat.....	753,538	Mar. 1	611	139	109	133
Barclay, John C., New York, N. Y. Printing-telegraph.....	758,732	May 3	300	59	110	76
Barclay, John C., New York, N. Y. Lightning-arrester.....	759,796	May 10	2447	513	110	569
Barclay, John C., New York, N. Y. Rheostat.....	759,797	May 10	2448	513	110	569
Barclay, John C., New York, N. Y. Call-box.....	761,026	May 24	4897	1037	110	1140
Barclay, John C., New York, N. Y. Relay.....	770,951	Sept. 27	3177	734	112	834
Barclay, John C., New York, N. Y. Quadruplex telegraphy.....	772,396	Oct. 18	2401	527	112	1516
Barclay, John C., New York, N. Y. Call-box.....	777,327	Dec. 13	1689	374	113	1817
Barclay, Phalauris K., St. Louis, Mo. Rein-holder.....	755,900	Mar. 29	5425	1199	109	1254
Barclay, Robert L., New York, N. Y. Forming twist-drills.....	758,041	Apr. 26	3684	792	109	2182
Barcus, Charles G. (See Stark and Barcus.)						
Barcus, James S., Terre Haute, Ind. Combined picture cover and frame.....	759,839	May 10	2534	530 531	110	588
Barcus, Luther C., Sidney, Ill. Monkey-wrench.....	753,837	Mar. 8	1247	281	109	290
Bard, William B., Elizabethtown, Pa. Propulsion-gearing.....	750,424	Jan. 26	3718	807	108	879
Bardelli, Joseph, Springfield, Mass. Machine for covering paper boxes.....	756,812	Apr. 12	1192	266 267	109	1615
Barden, Henry B., Wallingford, Vt. Grass-hook and lawn-trimmer.....	773,454	Oct. 25	4681	989	112	2037
Bardin, Jean, Brussels, Belgium. Case for use with solidified perfumes or the like.....	758,234	Apr. 26	4036	877	109	2261
Barditzky, Herman, Memphis, assignor of one-half to F. Sybilla, Chattanooga, Tenn. Thermo-electric fire-alarm.....	772,772	Oct. 18	3154	686	112	1676
Bardot, Pierre, Lyons, France. Gas-lighting attachment.....	732,021	Feb. 16	2335	522	108	1505
Bardsley, Henry, Palmyra, N. J. Lung-tester.....	764,544	July 12	1335	271	111	309
Bardsley, Joseph, Montclair, N. J. Door check and closer.....	753,838	Mar. 8	1248	281	109	290
Bardsley, Joseph, Montclair, N. J. Spring-hinge.....	766,411	Dec. 2	535	113	111	1153
Bardsley, Joseph, Montclair, N. J. Door check and closer.....	777,393	Dec. 13	1625	404	113	1847
Bardwell, Arthur F., assignor to F. A. Bardwell, Boston, Mass. Voting-machine.....	755,836	Mar. 29	5120	1134 1135	109	1185
Bardwell, Frederick A. (See Bardwell, Arthur F., assignor.)						
Barger, Charles W. (See Clark, Emmitt, assignor.)						
Barger, Nathaniel S., St. Joseph, Mo. Dust-proof journal for cultivator-wheels.....	758,581	Apr. 26	4730	1019	109	2416
Barger, Nathaniel S., St. Joseph, Mo. Dust-proof journal for cultivator-disks.....	758,582	Apr. 26	4731	1020	109	2417
Barger, William C., Mammoth, W. Va. Electric fire and burglar alarm.....	761,572	May 31	5981	1271 1272	110	1388
Barian, George W., assignor of two-fifths to F. D. Proctor, Monroe City, Mo. Non-refillable bottle.....	773,623	Nov. 1	165	37	113	42
Baril, Edward J., Chicago, Ill. Collar-button.....	775,024	Nov. 15	2080	625	113	694
Barker, England J., Morgan Park, Ill. Autographic register.....	761,436	May 31	5694	1212 1213	110	1335
Barker, England J., Morgan Park, Ill. Autographic register.....	764,030	July 5	226	43	111	55
Barker, Enoch W., Oakland, Cal. Educational device.....	755,837	Mar. 29	5130	1135	109	1189
Barker, James. (See Winfield and Barker.)						
Barker, James, Philadelphia, Pa. Massage implement.....	750,568	Jan. 26	4007	866	108	936
Barker, James, assignor to C. F. Backus, Detroit, Mich. Ledger.....	777,931	Dec. 20	2391	644	113	2094
Barker, James, and W. N. Winfield, assignors to Richmond & Backus Company, Detroit, Mich. Ledger or binder.....	777,932	Dec. 20	2392	644	113	2094
Barker, Joel C. (See Hinrichs and Barker.)						
Barker, John F., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Melting-furnace.....	750,748	Jan. 26	4366	943	108	1016
Barker, John F., assignor of one-half to M. L. French, Los Angeles, Cal. Educational concentrator.....	770,841	Sept. 27	3372	689	112	787
Barker, John R., Chicago, Ill. Heater.....	768,720	Aug. 30	5318	1119 1120	111	2294

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Barker, Louis H. (See Burns, Peter J., assignor.)						
Barker, Ralph E., Lynn, Mass., assignor to General Electric Company. Electric motor.	755,732	Mar. 29	4910	1093	109	1188
Barker, Robert W., Philadelphia, Pa. Punch.	771,694	Oct. 4	930	209	112	1158
Barker, Ruben F. (See Corry and Barker.)						
Barker, William L., Ashbourne, Pa. Railway-car brake	778,396	Dec. 27	3844	839	113	2305
Barker, William L., Ashbourne, Pa. Railway-car brake	778,438	Dec. 27	3932	855	113	2323
Barkhurst, Raymond, San Francisco, Cal. Shade-fixture for windows curved transversely.	774,641	Nov. 8	2110	460	113	484
Barler, Augustus C., Chicago, Ill. Flour-sifter	752,641	Feb. 23	3532	786	108	1878
Barlow, Herbert D., London, England. Lift or the like	767,541	Aug. 16	2864	597	111	1712
Barlow, John B., Grand Rapids, Mich. Temporary binder	769,686	Sept. 13	1049	226	112	257
Barlow, John J. (See Browning and Barlow.)						
Barlow, Josiah, Bayonne, N. J., assignor to Smith, Worthington & Company, New York, N. Y. Sidesaddle	765,540	July 19	3287	688	111	746
Barna, Joseph W., and V. Hoffman, Chicago, Ill. Lacing-stud	761,813	June 7	410	83	110	1530
Barna, Joseph W., and V. Hoffman, Chicago, Ill., assignors to Peerless Machinery Company, Boston, Mass. Eyeletting-machine	773,845	Nov. 1	599	129	113	137
Barnaby, Charles W., New York, N. Y. Lathe-chuck	767,678	Aug. 16	3117	651	111	1767
Barnard, Bleecker S. (See Slater, Frederick R., assignor.)						
Barnard, Charles S., Bridgeport, Conn. Automatic sash-lock	757,249	Apr. 12	2060	450	109	1799
Barnard, Joseph, assignor of one-half to W. E. Pelton, Oklahoma, Okla. Ter. Corn-husking device	768,166	Aug. 23	4162	875	111	2019
Barnard and Leas Manufacturing Company. (See Cornwall, John B., assignor.)						
Barnard, Robert P., et al. (See Whitenack, Henry T., assignor.)						
Barnard, Walter H., New York, N. Y. Insulating-support for electric third rails.	775,592	Nov. 22	4192	883	113	1002
Barner, Robert, et al. (See Maher, Michael M., assignor.)						
Barnes, Amos, Detroit, assignor of two-thirds to W. Barnes, Pontiac, Mich. Railway-rail joint.	754,913	Mar. 15	3380	739	109	773
Barnes, Amos, assignor of two-thirds to W. Barnes, Detroit, Mich. Rail-coupling	775,605	Dec. 13	2335	512	113	1954
Barnes, Burr F., Jersey City, N. J. Tilting bin	755,605	Mar. 29	4646	1032	109	1076
Barnes, Charles E., et al. (See Cottie, John C., assignor.)						
Barnes, Charles O., Fruit Valley, assignor to K. Kellogg, Oswego, and M. I. Barnes, Fruit Valley, N. Y. Vehicle	752,435	Feb. 16	3121	694	108	1769
Barnes, Charles O., assignor to K. Kellogg, Oswego, and M. I. Barnes, Fruit Valley, N. Y. Combined belt-loop and garment-supporter	776,486	Dec. 6	11	4	113	1426
Barnes, David W., Brooklyn, N. Y. Plectrum for stringed instruments	753,534	Mar. 1	612	139	109	133
Barnes, Edmund A., Evan, Idaho. Hoop-releasing device	768,578	Aug. 30	5166	1031	111	2227
Barnes, Erastus H. (See Thorschmidt, Ernest C., assignor.)						
Barnes, Francis S., et al. (See Tripp, Bradford H., assignor.)						
Barnes, Harry A., and N. E. Showare, Baltimore, Md. Combined receiver and transmitter bracket for telephones	772,773	Oct. 18	3156	687	112	1677
Barnes, Harry C., Oakland, assignor of one-half to A. T. Spence, Alameda, Cal. Lathe-center grinder	773,846	Nov. 1	608	129	113	140
Barnes, Howard T. (See Tory and Barnes)						
Barnes, John, assignor to W. F. & John Barnes Company, Rockford, Ill. Groove-cutter	749,603	Jan. 12	2148	448	108	503
Barnes, John S. (See Willmarth and Barnes.)						
Barnes, John S., and C. A. Willmarth, assignors to Majestic Wire Fence Company, Limited, Detroit, Mich. Fence	749,714	Jan. 19	2380	503	108	563
Barnes, John W., assignor of one-half to C. G. Hobson, Philadelphia, Pa. Making coil briquets	778,096	Dec. 20	3241		113	2156
Barnes, Joseph P., assignor to W. F. & John Barnes Company, Rockford, Ill. Drilling-machine attachment	761,573	May 31	5932	1272	110	1388
Barnes, Joshua P., Springfield, Ill. Valve mechanism for locomotives	777,993	Dec. 30	2994	644	113	2035
Barnes, Marcia I., et al. (See Barnes, Charles O., assignor.)						
Barnes, Merrick M., Boston, Mass. Piston-packing	767,728	Aug. 16	3200	673	111	1787
Barnes, Milo, Syracuse, N. Y. Railway-switch	768,973	Aug. 30	5832	1221	111	2411
Barnes, Pierre. (See Tulloch and Barnes.)						
Barnes, Pierre, Seattle, Wash. Isometric drafting instrument	777,770	Dec. 20	2557	566	113	2019
Barnes, Samuel E., Holyoke, Mass., assignor of one-half to J. W. Paxson Co., Philadelphia, Pa. Core-box	751,775	Feb. 9	1834	417	108	1464
Barnes, Walter E., Malden, assignor to Thermograde Valve Company, Boston, Mass. Thermostatic valve	767,200	Aug. 9	2199	458	111	1546
Barnes, William. (See Barnes, Amos, assignor.)						
Barnes, William F., assignor to W. F. & John Barnes Company, Rockford, Ill. Water-closet	773,183	Oct. 25	4129	872	112	1918
Barnes, William H. (See Kengla, William S., assignor.)						
Barnes, William H., Chicago, Ill. Railway-ticket	774,733	Nov. 15	2935	505	113	555
Barnes, William H., Chicago, Ill. Railway-ticket	775,911	Nov. 29	4811	1039	113	1151
Barnes, William M., Philadelphia, Pa. Neckband-stretcher	776,166	Nov. 29	5319	1123	113	1268
Barnes, Willis W., assignor to A. Knobel and F. H. Kappa, Louisville, Ky. Toothpick	776,008	Nov. 29	5027	1060	113	1202
Barnett, Augusta F., Seven Kings, England. Teapot-strainer	767,471	Aug. 16	2712	569	111	1678
Barnett, Bernard B., Spartanburg, S. C. Wagon-brake	757,083	Apr. 12	1730	376	109	1726
Barnett, Charles M. (See Coke, Wilbur A., assignor.)						
Barnett, Charles M., et al. (See Cuntz, Gregor H. F. H., assignor.)						
Barnett, William S. (See Shook, George W., assignor.)						
Barnette, James S., Lancaster, Pa. Fifth-wheel	758,951	May 3	746	148	110	173
Barney, Charles W. (See Mathewson, Arthur L., assignor.)						
Barney, Frank P., Charley, Mass. Separable link-button	769,334	Sept. 6	394	91	112	85
Barney and Smith Car Company. (See Jones, Frank M., assignor.)						
Barney & Smith Car Company. (See Tesseyman, Henry, assignor.)						
Barngrover, Harvey M., assignor to Anderson, Barngrover Manufacturing Co., San Jose, Cal. Chain bucket-elevator	763,141	June 21	3017	660	110	2133
Barnhard, C. B. (See West, John W., assignor.)						
Barnhart Brothers & Spindler. (See Murray, Charles R., assignor.)						
Barnhart, Clarence V., Waynesboro, Pa. Cultivator	749,833	Jan. 19	2619	559	108	620
Barnhart, George E., Deland, Ill. Gate	769,784	Sept. 13	1226	264	112	295
Barnhart, Harry J. (See King, Barnhart, and King.)						
Barnhart, Henry P., Logansport, Ind. Trolling-bait	771,116	Sept. 27	3908	804	112	907
Barnhill, James W., Bend, Ky. Gate	772,307	Oct. 18	2403	827	112	1516
Barnhurst, William, Dallas, Tex. Trolley-wire finder	753,899	Mar. 8	1251	231	109	290

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Barnum, Enoch, Kansas City, Mo. Duplex heater	761,869	June 7	524	104	110	1557
Barnum, John N., Cleveland, Ohio. Feed-water heater and purifier	772,774	Oct. 18	3158	687	112	1677
Barnum, Thomas E., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Controller for electric motors	758,610	May 3	3	1	110	3
Barollier, Jean. (See Hogge and Barollier.)						
Baron, Robert. (See McCullough, Blaney, and Baron.)						
Barr, Addison W., Worcester, Mass. Mechanical movement	766,214	Aug. 2	125	23	111	1068
Barr, David W., Sioux City, Iowa. Nailless horseshoe	761,437	May 31	5696	1213	110	1335
Barr, James F. (See Irner, Alexander, Barr, and Ochiltree.)						
Barr, James H. (See Caldwell and Barr.)						
Barr, James R., and J. Rees, Brazil, Ind. Dustless road	763,457	June 28	3675	792	110	2300
Barr, John H., Allegheny, assignor of one-half to Pittsburg Forge and Iron Company, Pittsburg, Pa. Bending die	774,818	Nov. 15	2506	540	113	594
Barr, Mark. (See Pollen and Barr.)						
Barr, Mark, Kensington, assignor to Linotype Company, Limited, London, England. Automatic engraving-machine	759,955	May 17	2745	576	110	651
Barr, Mark, Kensington, assignor to Linotype Company, Limited, London, England. Automatic engraving-machine	759,956	May 17	2748	577	110	652
Barr, Mark, Kensington, assignor to Linotype Company, Limited, London, England. Pantograph engraving-machine	759,957	May 17	2753	577	110	653
Barr, Mark, Kensington, assignor to Linotype Company, Limited, London, England. Automatic engraving-machine	761,350	May 31	5530	1179	110	1296
Barr, Mark, Kensington, assignor to Linotype Company, Limited, London, England. Variable-throw crank	772,494	Oct. 18	2608	573	112	1559
Barr, Mark, Kensington, assignor to Linotype Company, London, England. Engraving-machine	774,027	Nov. 1	977	205	113	222
Barr, Mark, Broadheath, assignor to Linotype Company, Limited, London, England. Engraving-machine	761,349	May 31	5527	1178	110	1296
Barr, Mark, assignor to Linotype Company, Limited, London, England. Apparatus for turning curved surfaces of predetermined non-circular section	774,026	Nov. 1	976	204	113	222
Barr, Mark, assignor to Linotype and Machinery Limited, London, England. Automatic engraving-machine	775,073	Nov. 15	3028	643	113	715
Barr, Mylin M., Pittsburg, Pa. Automatic weighing and recording device for scales	761,498	May 31	5697	1213	110	1335
Barratt, Edward W., Wood Green, England. Machine for rolling and cutting candy	755,343	Mar. 22	4170	921	109	959
Barratt, Edward W., Wood Green, England. Candy-pulling machine	764,976	July 12	2209	456	111	499
Barratt, William T., Bennington, Vt. Striping attachment for circular-knitting machines	778,164	Dec. 20	3369	740	113	2185
Barratt, William T., assignor to C. Cooper, Bennington, Vt. Adjustable cam for circular-knitting machines	777,063	Dec. 13	1213	265	113	1713
Barratt, William T., Bennington, Vt., and C. J. Sibbald, Troy, N. Y., assignors to C. Cooper, Bennington, Vt. Knitting-machine	774,464	Nov. 8	1772	383	113	412
Barre, Ferdinand. (See Bossyans, Albert J., assignor.)						
Barrell, Ferdinand M., Brooklyn, N. Y. Automatic short-circuit alarm for electrical gas-lighting or other systems	761,134	May 31	5112	1085	110	1206
Barrett, Charles A., Atlanta, Ga. Apparatus for filling sand-boxes of locomotives	767,679	Aug. 16	3119	652	111	1768
Barrett, James, New York, N. Y. Bench for elevator-carriage rollers	755,344	Mar. 22	4173	922	109	960
Barrett, James B., and J. W. Hlickerson, assignors to A. R. Foster and C. J. Brown, Washington, D. C. Smoke-consumer and fuel-economizer	759,061	May 3	938	190	110	214
Barrett, James G., Williamstown, Mass. Combined rail-joint and bridge-piece	774,129	Nov. 1	1170	250	113	265
Barrett, John R., Chicago, Ill. Temporary binder	751,710	Feb. 9	1704	388	108	1439
Barrett, John R., Chicago, Ill. Temporary binder	774,550	Nov. 8	1949	422	113	450
Barrett, John R., Chicago, Ill. Cord-tip	774,716	Nov. 8	2261	490	113	517
Barrett, Josiah, Bellevue, Pa. Oil-well swivel-wrench	751,447	Feb. 9	1250	281	108	1337
Barrett, Patrick S., Scranton, Pa. Controller apparatus	770,886	Sept. 27	3349	707	112	804
Barrett, Percy F. (See Falla and Barrett.)						
Barrett, Rosa E., Salem, Ohio. Device for holding curtains when being ironed	761,751	June 7	248	49	110	1493
Barrett, Roy, Palmyra, N. Y. Radiator	756,302	Apr. 5	8	2	109	1344
Barrett, Wesley J., Marion, N. Y. Burial apparatus	760,773	May 24	4374	930	110	1030
Barrett, William N., Somerset, Pa. Joint	758,888	May 3	630	124	110	149
Barrick, Charles H., et al. (See Zimmer, Louis P., assignor.)						
Barrick, Luther M., et al. (See Zimmer, Louis P., assignor.)						
Barron, George F., assignor of one-fourth to F. E. Converse, Palmyra, N. Y. Device for making cigarettes	774,028	Nov. 1	982	206	113	223
Barron, J. W., et al. (See Reel, John, assignor.)						
Barron, T. E., et al. (See Reel, John, assignor.)						
Barrow, Walter J., Brooklyn, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine	748,912	Jan. 5	681	150	108	153
Barrow, Walter J., Brooklyn, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine	757,431	Apr. 19	2439	532	109	1894
Barrow, Walter J., Brooklyn, assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine	770,952	Sept. 27	3481	735	112	835
Barrow, Thomas, assignor to Pedrick and Ayer Company, Plainfield, N. J. Motor	776,103	Nov. 29	5198	1098	113	1240
Barrow, Thomas, assignor to Pedrick and Ayer Company, Plainfield, N. J. Valve-operating mechanism	755,734	Mar. 29	4912	1094	109	1138
Barrow, Thomas E., Mansfield, Ohio. Stand or support	771,761	Oct. 4	1057	235	112	1185
Barrow, Thomas E., Mansfield, Ohio. Stand or support	763,838	June 28	4396	956	110	2453
Barrus, George H., Brookline, Mass. Steam-boiler	765,062	July 12	2373	492	111	531
Barry, Charles E., Schenectady, N. Y., assignor to General Electric Company. Motor-control system	770,040	Sept. 13	1710	362	112	403
Barry, Cornelius J. (See Miller and Barry.)						
Barry, Daniel J., New York, N. Y. Push wagon or cart	758,889	May 3	631	125	110	149
Barry, Edwin A., Sutherland, Iowa. Rail-joint	774,642	Nov. 8	1212	460	113	485
Barry, Herbert A. L., Westminster, England. Means for discharging materials from buckets. (Reissue)	12,367	Sept. 20	3027	643	112	715
Barry, James, assignor of one-half to A. F. Johnson, Seattle, Wash. Grain-car door	750,149	Jan. 19	3212	691	108	746
Barry, John D., et al. (See Dotts, Hiram S., assignor.)						
Barry, Joseph G., St. Paul, Minn. Catch device for car-vestibule curtains	767,623	Aug. 16	3023	632	111	1747

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Barry, Josephine H., executrix. (See Busch, Gull, and Barry.)						
Barry, Mack C., assignor of one-half to C. T. Ladson, Atlanta, Ga. Lead-gate and arbor-level.	770,150	Sept. 13	1900	404 (903 904 905)	112	445
Barry, Nicholas, Jr., and P. J., Muscatine, Iowa. Button-making machine.	766,014	July 26	4238	137	111	961
Barry, Patrick J. (See Barry, Nicholas, Jr., and P. J.)						
Barry, Thomas H., Empire, Oreg. Wrench.	756,565	Apr. 5	719	155	109	1495
Barry, Thomas J., deceased. (See Busch, Gull, and Barry.)						
Barry, William, Oswego, N. Y. Mail-marking machine.	769,458	Sept. 6	618	136 (137	112	140
Barschall, Max, assignor to S. Barschall, New York, N. Y. Rail-joint.	775,643	Nov. 22	4296	907	113	1025
Barschall, Sophie. (See Barschall, Max, assignor.)						
Barschow, George H., assignor to American Metal Wheel and Toy Company, Toledo, Ohio. Folding go-cart.	751,448	Feb. 9	1231	281	108	1337
Barstad, Albert L. and O. L., Stavanger, Norway. Means for holding eggs during transit.	755,434	Mar. 22	4335	959	109	995
Barstad, Olaf L. (See Barstad, Albert L. and O. L.)						
Bart, Joseph, New York, N. Y. Non-refillable bottle.	761,644	June 7	12	2	110	1438
Bartel, Emil J. (See Ibach and Bartel.)						
Bartel, Otto, New York, N. Y., and E. Kuhn, East Orange, N. J., assignors to G. and E. Bunzl, New York, N. Y. Pedometer.	758,405	Apr. 26	4383	942	109	2338
Bartelme, Mary M., administratrix. (See Raymond, Albert.)						
Bartels, Arthur C. (See Hunter, Homer, assignor.)						
Barten, Joseph A., and S. R. Sneringer, Philadelphia, Pa. Electric fire-alarm.	750,150	Jan. 19	3214	691	108	747
Barter, Frank, assignor to L. F. Felt, Walpole, Mass. Arbor.	750,078	Jan. 19	3084	663	108	718
Barth, Carl G., Bethlehem, H. L. Gantt and F. W. Taylor, South Bethlehem, Pa. Slide-rule.	753,840	Mar. 8	1253	222 (223	109	291
Barth, Harry L. (See Martinetto, Victor, assignor.)						
Barthel, Gustav, Dresden, Germany. Mechanical piano-player	755,098	Mar. 22	3713	815	109	864
Barthel, Oliver E., Detroit, Mich. Muffler	756,203	Apr. 5	10	10	109	1345
Barthelmes, Alexander A., Toronto, Canada. Piano-action	759,655	May 10	2177	148	110	509
Bartholmes, Charles W., Bridgeport, Conn. assignor to American Machine & Ordnance Company and American and British Manufacturing Company, New York, N. Y. Breech-loading ordnance.	765,805	July 26	3841	818	111	875
Bartholomew, Earl, Waukegan, Ill. Wire-fence-stay fastener	773,624	Nov. 1	166	37	113	42
Bartholomew, John B., Des Moines, Iowa. Apparatus for popping corn	760,604	May 24	4004	851 (852	110	952
Bartholomew, John B., assignor to Avery Manufacturing Company, Peoria, Ill. Corn-planter	760,514	May 24	3828	812 (813	110	914
Bartholomew, John B., assignor, by mesne assignments, to Avery Manufacturing Company, Peoria, Ill. Attachment for threshing-machines	760,515	May 24	3834	813	110	915
Bartholomew, John B., assignor to Avery Manufacturing Company, Peoria, Ill. Vehicle-axle	760,605	May 24	4006	852	110	952
Bartholomew, John B., Peoria, Ill., assignor, by mesne assignments, to Sattley Stacker Company, Indianapolis, Ind. Straw-stacker.	762,463	June 14	1661	359 (360	110	1819
Bartholomew, Joseph P., Bristol, assignor to Stanley Rule & Level Company, New Britain, Conn. Bit-brace jaws.	777,657	Dec. 20	2359	518	113	1976
Bartholomew, Wilbur F., New York, N. Y. Time hand-stamp	749,655	Jan. 12	2250	474	108	523
Bartholomew, Wilbur F., New York, N. Y. Time hand-stamp	773,455	Oct. 25	4683	990	112	2037
Bartholow, William P., Webster City, Iowa. Self-heating soldering-iron	763,243	June 21	3223	694	110	2180
Bartleson, James. (See Douglas and Bartleson.)						
Bartlett, Alden, San Francisco, Cal. Wood-cutting machine.	758,042	Apr. 26	3665	793	109	2182
Bartlett, Charles O., et al. (See Twining, William O., assignor.)						
Bartlett, Edwin E., Hydepark, Mass. Arbor-press	773,912	Nov. 1	767	160	113	176
Bartlett, Frank, assignor of one-half to C. H. Gaffner and W. R. Penington, Seattle, Wash. Cattle-guard	774,130	Nov. 1	1171	250	113	265
Bartlett, Frank V., assignor to Ideal Manufacturing Company, Detroit, Mich. Water-heater	759,228	May 10	1336	266	110	324
Bartlett, Frederick H. (See Jewett, Benjamin J., assignor.)						
Bartlett, James A., Attleboro Falls, assignor to McRae & Keeler, Attleboro, Mass. Watch-chain hook	764,909	July 12	2085	431	111	473
Bartlett, James A., W. S. Downs, and J. B. Tillman, assignors of two-fifths to W. A. Jackson, Dardanelle, Ark. Cotton-cy and cultivator	776,986	Dec. 6	1049	227	113	1660
Bartlett, Leander L., Montague City, Mass. Reel-seat for fishing-rods	773,708	Nov. 1	325	71	113	78
Bartlett, Marcus J., Chicago, Ill., assignor to H. Kohnstamm & Co., New York, N. Y. Reversible cover and fastening for cases, &c.	775,960	Nov. 29	4922	1040	113	1177
Bartlett, Raymond S., assignor of one-half to G. F. Geb, Franklin, Mass. Mattress	772,602	Oct. 18	2803	617	112	1502
Bartlett, Vitalus C., Belington, W. Va. Lifting-jack	773,456	Oct. 25	4684	990	112	2037
Bartlett, William J., Jackson, Mich. Attachment for washboilers	752,506	Feb. 16	3344	723	108	1796
Bartley, Harvey. (See Peacock and Bartley.)						
Bartley, Harvey, Pittsburg, Pa. Composition horseshoe	764,547	July 12	1327	271	111	310
Bartley, Harvey, Pittsburg, Pa. Composition horseshoe	774,819	Nov. 15	2507	540	113	594
Bartley, Harvey, Pittsburg, Pa. Composition horseshoe	774,820	Nov. 15	2508	540	113	594
Bartley, Harvey, Pittsburg, Pa. Composition horseshoe	776,712	Dec. 6	614	134	113	1562
Barlow, William, Muncy, Pa. Roller-support for use in mills, &c.	777,584	Dec. 13	2211	485	113	1930
Barton, Benjamin C., Birmingham, England. Construction of metallic bedsteads.	767,680	Aug. 16	3120	652	111	1768
Barton, Charles H., H. E. Heinrichsen, J. S. Cousins, and C. L. Matthews, Houston, Tex. Hydrocarbon-burner	756,317	Apr. 5	246	51	109	1396
Barton, David, et al. (See Cook, Henry J., assignor.)						
Barton, Edward H., assignor of three-fourths to W. T. Favorite and C. V. Schermerhorn, Sturgis, Mich. Popper	771,893	Oct. 11	1349	305	112	1261
Barton, Edward J., Wewoka, Ind. Ter. Milk-pail.	756,318	Apr. 5	248	51	109	1396
Barton, Henry J. (See La Bud and Barton.)						
Barton, John H., Powhatan, W. Va. Washing-machine	771,223	Oct. 4	6	2	112	962
Barton, Robert W., Chicago, Ill. Steam-boiler	754,337	Mar. 15	3257	708	109	746
Barton, William L., Carbondale, Pa. Spudding attachment for drilling-machines	771,036	Sept. 27	3648	769	112	870
Barton, William L., Carbondale, Pa. Clutch mechanism	771,695	Oct. 4	931	210	112	1158
Barton, William W., Salt Lake City, Utah. Hand-tool	763,352	June 28	3453	745	110	2251
Barton, William W., Salt Lake City, Utah. Pouring device	773,457	Oct. 25	4686	990	112	2037
Barton, Williamson B., Iola, Kans. Dispensing-tank	750,794	Feb. 2	27	5	108	1033
Bartram, George C. (See Bowers, John C., assignor.)						
Bartram, Walker B., Redding, assignor of two-thirds to C. H. Elmory and F. O. Badger, Wallingford, Conn. Coin-controlled vending-machine	765,649	July 19	3492	737	111	790
Bartsch, Edwin, San Francisco, Cal. Syringe	754,276	Mar. 8	3081	461	109	472

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Bartz, Wygant, and Brown. (See Stamm, Levi L., assignor.)						
Baruch, Emil, assignor of one-half to N. Schwab, New York, N. Y. Clothes-rack	772,020	Oct. 11	1606	364	112	1317
Bascom, John, Chicago Heights, Ill. Device for swaging rail-bonds	751,245	Feb. 2	880	201	108	1244
Bascom, Almon W., Spokane, Wash. Railway tie	752,507	Feb. 16	3245	723	108	1797
Bash, David W., Euda, Ill. Combined swing and fan	753,841	Mar. 8	1263	283	109	292
Bashaw, George W., assignor of one-third to B. Bowman, Springfield, Mo. Ditching-machine	769,046	Aug. 30	5979	1252	111	2443
Bashaw, Julian S., Gainesville, Fla. Refrigerator-car	758,406	Apr. 26	4383	942	109	2338
Bashlin, William H., Warren, Pa. Protecting-diaphragm for telephone-transmitters	774,929	Nov. 15	2738	587	113	648
Bashore, James O., Vandyke, Pa. Straw-stacker	773,184	Oct. 25	4131	1873	112	1919
Basle Chemical Works. (See Bischoer, Augustus, assignor.)						
Basley, Manfred A., Chicago, Ill. Gearing for washing-machines	772,451	Oct. 18	2508	549	112	1539
Basola, Antonio, New York, N. Y. Proportional dividers	753,221	Mar. 1	10	2	109	4
Basola, Antonio, New York, N. Y. Gage	760,227	May 17	3415	721	110	802
Bass, John C. (See Munger and Bass.)						
Bassell, William B., Columbus, Ohio. Electrode for therapeutical purposes	768,721	Aug. 30	5320	1120	111	2294
Bassett, Dewitt C., Woonsocket, S. D. Rail-joint	778,625	Dec. 27	4294	937	113	2401
Bassett, George B., Buffalo, N. Y. Water-meter	766,817	Aug. 2	363	76	111	1120
Bassett, J. Colby, et al., trustees. (See Tice, Joseph E., assignor.)						
Bassett, Joseph H., et al. (See Burnett, William H., assignor.)						
Bassett, Norman C., Lynn, Mass., assignor to General Electric Company. Gear-wheel	766,316	Aug. 2	362	76	111	1120
Bassett, Norman L., Indianapolis, Ind. Advertising-blotter	774,999	Nov. 15	2875	613	113	680
Bassett, Richard, Dover, N. J. Seedbox	757,645	Apr. 19	2989	629	109	1992
Bassett, William. (See Perry and Bassett.)						
Bassford, Edward C., and B. Dawson, Sheridan, Wyo. Listing-plow	749,656	Jan. 12	2252	475	108	523
Bassick, Edgar W., assignor to Burns Silver and Company, Bridgeport, Conn. Furniture-knob	760,298	May 17	3417	721	110	808
Bassinger, William H., Passaic, N. J. Invoice index and filing-case	751,042	Feb. 2	479	112	108	1164
Bassinger, William H., Passaic, N. J. Bill-head or statement-sheet and envelop	769,933	Sept. 13	1519	325	112	360
Bastie, Percy H. (See Moy and Bastie.)						
Baston, Ephraim K. (See Leavitt, Claude F., assignor.)						
Baswitz, Carl, Berlin, Germany. Life-buoy	772,690	Oct. 18	2977	653	112	1639
Batault, Emilie, Geneva, Switzerland, assignor to Sussfeld, Lorsch & Co., New York, N. Y. Folding opera-glass. (Reissue)	12,233	June 21	3410	742	110	2220
Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Electric railway	770,041	Sept. 13	1716	362	112	405
Batchelder, William H., Akron, Iowa. Saw	759,958	May 17	2736	578	110	654
Batcheller, Birney C., Philadelphia, Pa. Pneumatic-despatch system	749,152	Jan. 12	1232	262	108	300
Batcheller, Birney C., Philadelphia, Pa. Sending device for pneumatic-despatch systems	777,328	Dec. 13	1692	374	113	1818
Batchelor, Sanford L., Grafton, Mass. Bicycle with rowing attachment	749,153	Jan. 12	1225	263	108	300
Batdorf, Charles S., Brooklyn, N. Y. Coin-sorter	748,836	Jan. 5	531	122	108	121
Batdorf, Charles S., Brooklyn, N. Y. Coin counting, registering, and wrapping machine	751,246	Feb. 2	882	1203	108	1244
Batdorf, Charles S., Brooklyn, N. Y. Coin counting, registering, and wrapping machine	758,733	May 3	306	60, 61	110	78
Bate, Charles. (See Viggers, Charles H., assignor.)						
Bateman, Arthur B., Washington, D. C. Fly-outlet for screens	751,043	Feb. 2	480	112	108	1164
Bateman, Loftus H. (See Bateman, Richard W. and L. H.)						
Bateman, Richard W. and L. H., Halifax, England. Driving mechanism for planing or like machines	767,789	Aug. 16	3311	699	111	1812
Bates, Alonza M., Chicago, Ill. Foot-rest and pedal extension	759,959	May 17	2737	578	110	654
Bates, Arthur C., Oakland, Cal. Pneumatic power-wheel	771,599	Oct. 4	747	167	112	1118
Bates, Charles. (See Bates, Lafayette, assignor.)						
Bates, Charles F., Wellington, assignor of two-thirds to R. A. Anderson, J. W. Chapman, and O. C. Knowles, Sumner county, Kans. Plow	761,623	May 31	6025	1293	110	1409
Bates, Eddo V. (See Waters, Douglas H., assignor.)						
Bates, Eddo V., Lowell, Mass. Card-feeding mechanism	754,189	Mar. 8	1909	425	109	498
Bates, Eddo V., Lowell, Mass. Card-feeding mechanism	773,636	Nov. 1	5	2	113	4
Bates & Edmonds Motor Co. (See Bates, Madison F., assignor.)						
Bates, Edwin G., assignor to Bates Machine Company, New York, N. Y. Typographic numbering-machine	759,656	May 10	2179	448	110	510
Bates, Edwin G., assignor to Bates Machine Company, New York, N. Y. Numbering-machine	766,134	Feb. 2	449	957	111	1012
Bates, Eugene J., Bakersfield, Cal. Pipe-wrench	760,735	Feb. 26	288	6	108	1063
Bates, Frank H. (See Witt, George E., assignor.)						
Bates, Frank H., San Francisco, Cal. Generating gas	748,687	Jan. 5	258	59	108	57
Bates, Frank H., San Francisco, Cal. Oil-gas generator	763,039	June 21	2818	611	110	2090
Bates, Franklin P., Indianapolis, Ind. Machine for rolling wheels	757,432	Apr. 19	2444	534	109	1895
Bates, Henry A., Middletown, assignor to Summit Thread Company, East Hampton, Conn. Thread-brake	768,926	Aug. 30	5734	1205	111	2389
Bates, Joel F., Urbana, Ohio. Tank and heater	754,838	Mar. 15	3258	708	109	746
Bates, Lafayette, assignor of one-third to C. Bates, Mattoon, Ill. Power device for trans-fer-rollers	756,772	Apr. 5	1104	244	109	1579
Bates, London W., New York, N. Y. Pipe-line for hydraulic dredges	772,930	Oct. 18	2264	496	112	1486
Bates Machine Company. (See Bates, Edwin G., assignor.)						
Bates, Madison F., assignor to Bates & Edmonds Motor Co., Lansing, Mich. Gas and air mixer for gas-engines	770,212	Sept. 13	2027	427	112	473
Bates, Robert, Philadelphia, Pa. Loom for cross-weaving	773,704	Nov. 1	327	71, 72	113	78
Bates, Sherman A., Collins, Iowa. Corn harvester and shocker	770,887	Sept. 27	3350	107	112	805
Bates, Solomon W., and A. F. Sanborn, Jr., Portland, Me. Pencil-sharpener	761,191	May 31	5214	1107	110	1228
Bates, William P., Winfield, Kans. Label and tag	770,255	Sept. 20	2111	444	112	509
Bathen, Ernst O., Mylau, Germany. Cash-register box	761,135	May 31	5113	1085	110	1307
Batson, William G., assignor of one-third to R. S. Frick, Johnston City, Ill. Wire-stretcher	772,915	Oct. 25	3432	745	112	1757
Battelle, Albert C., Chicago, Ill. Fire-extinguisher	778,439	Dec. 27	3935	856	113	2324
Battery, Charles C., Springfield, Mass. Excavating-machine	766,584	Aug. 2	903	190	111	1239
Battery, Levi, Gloversville, N. Y. Machine for making excelsior	762,117	June 7	964	199	110	1646
Battery, Sumter B., New York, N. Y. Threading device	748,913	Jan. 5	684	151	108	154
Battery, Sumter B., New York, N. Y. Threading device for sewing-machines	748,914	Jan. 5	687	152	108	155
Battin, John W., et al. (See Lester, John E., assignor.)						
Battin, Thomas W., Philadelphia, Pa. Mouthpiece for voice-pipes	753,113	Feb. 23	4455	990	108	2064
Battram, Benjamin, Lynnhurst, Canada. Violin	759,850	May 17	2562	595	110	610

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Batts, John T., Carthage, Mo. Garment-hanger.....	765,381	July 19	2867	599	111	657
Bauer & Black. (See Hollister, Bertram K., assignor.)						
Bauer, Carl. (See Mathews and Bauer.)						
Bauer, Carl E., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Underframe for railway-cars.....	763,589	June 28	3904	848 849	110	2348
Bauer & Co. (See Busch, Albert, assignor.)						
Bauer, Ernest, Chicago, Ill. Belt-pulley.....	754,960	Mar. 22	3484	762	109	813
Bauer, Frank. (See Arnold, Harry H., assignor.)						
Bauer, Henry. (See Schmidt, Fred, assignor.)						
Bauer, Herman, Cannstatt, Germany. Stop-motion for bed-feather-treating machines.....	760,839	May 24	4506	869 900	110	1058
Bauer, John C., Chicago, Ill. Bottle-washing apparatus.....	771,408	Oct. 4	388	85, 86	112	1039
Bauer, John L. F., Jr., Strasburg, Ill. Stove.....	764,031	July 5	287	43	111	55
Bauer, Perry S., Chicago, Ill. Garment-supporter clasp.....	771,409	Oct. 4	390	86	112	1040
Bauer, Theodor, Berlin, Germany. Coke-oven.....	770,151	Sept. 13	1901	405	112	445
Bauer, Waldemar, assignor to Alexia Manufacturing Company, Chicago, Ill. Music-leaf turner.....	751,449	Feb. 9	1284	282	108	1338
Bauer, William J., Syracuse, N. Y. Douche apparatus.....	771,600	Oct. 4	749	167	112	1119
Bäuerle, Wilhelm, Augsburg, Germany. Ball-bearing for spindles.....	764,977	July 12	2211	457	111	499
Baugh, Elisha. (See Fisher, John F., assignor.)						
Baugh, Thomas W., Chillicothe, Mo. Suspender-fastener.....	764,978	July 12	2212	457	111	500
Baughman, Andrew, Lovellville, Ohio. Wrench.....	761,645	June 7	13	3	110	1488
Baughman, Benjamin, Reynolds, Nebr. Animal-feeding appliance.....	769,205	Sept. 6	124	31	112	39
Baughman, Harry S., Battlereck, Mich. Vending-machine.....	764,548	July 12	1338	271 272	111	810
Baughn, Samuel C., Jr. (See Finley and Baughn.)						
Baughn, Samuel C., Jr., assignor of one-half to H. L. Finley, Bertrand, Mo. Lock for spindle-nuts.....	750,425	Jan. 26	3720	908	108	879
Baum, George. (See Eoyer and Baum.)						
Bauman, William J. (See Mills, Irwin H., assignor.)						
Bauman, William W., Morton, Ohio. Sash fastener and lift.....	775,593	Nov. 22	4194	883	113	1002
Baumann, Albert. (See De Vine and Baumann.)						
Baumann, Frederick Jr., Rutherford, N. J., assignor to Universal Cutter Co., St. Louis, Mo. Cloth-cutting machine.....	765,454	July 19	3117	653	111	710
Baumann, Robert. (See Wurmb and Baumann.)						
Baumann, Robert, assignor of one-half to T. H. Wurmb, St. Louis, Mo. Disk valve.....	749,518	Jan. 12	2004	416	108	469
Baumberger, George E., and J. Distelhorst, Burlington, Iowa. Vehicle-brake.....	769,047	Aug. 30	5981	1253	111	2444
Baumgart, August, Cornlea, Nebr. Torpedo-grenade.....	769,884	Sept. 13	1419	303	112	338
Baumgart, Karl W. E., and H. A. Möller, Kassel, Germany. Butcher's stay.....	775,619	Nov. 22	4246	895	113	1014
Baumgarten, Herman. (See Reine and Baumgarten.)						
Baumgarten, Herman, Washington, D. C. Inking-pad.....	758,890	May 3	631	125	110	149
Baumgartner, Charles B., Chicago, Ill. Wire fencing.....	758,125	Apr. 26	3828	831	109	2216
Baumgartner, Hugo, and J. Ziegler, Basle, Switzerland. Friction-clutch.....	760,516	May 24	3836	814	110	915
Baumgartner, Peter J. (See Moser, Jacob A., assignor.)						
Baumhauer, William F., Jr., Quincy, Ill. Carpet-stretcher.....	778,349	Dec. 27	3750	517	113	2283
Bäumli, Wilhelm, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making organic acid compounds.....	752,947	Feb. 23	4150		108	2015
Bausch, Edward, and G. Hommel, Rochester, N. Y. Microtome.....	766,135	July 26	4471	958	111	1012
Bausch, Edward, and G. Hommel, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Iris-diaphragm.....	750,237	Jan. 19	3377	729	108	783
Bausch & Lomb Optical Company. (See Bausch and Hommel, assignors.)						
Bausch & Lomb Optical Company. (See Brueck, Theodor, assignor.)						
Bausch & Lomb Optical Company. (See Klein, Rudolph, assignor.)						
Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)						
Bawden, James M., and E. H. Catterall, Traralgon, Victoria, Australia. Double-legged coupling-pin for vehicle-shafts.....	766,412	Aug. 2	539	113	111	1153
Bawo and Dotter. (See Jacques, Charles A., assignor.)						
Baxeres de Alzugaray, José, Bromley, England. Extraction of metals from complex ores.....	752,320	Feb. 16	2897		108	1722
Baxeres de Alzugaray, José, Bromley, England. Manufacture of iron and steel and their alloys.....	768,551	Aug. 23	4942		111	2194
Baxeres de Alzugaray, José, Bromley, England. Manufacture of iron and steel and their alloys.....	768,552	Aug. 23	4943		111	2194
Baxeres de Alzugaray, José, Bromley, England. Manufacture of iron and steel and their alloys.....	768,553	Aug. 23	4944		111	2194
Baxter, Alfred T., assignor to National Blank Book Company, New York, N. Y. Temporary binder.....	764,413	July 5	1030	210	111	229
Baxter, Arthur W., London, England. Making fireproofing solutions.....	761,870	June 7	526		110	1557
Baxter, Daniel N., assignor of one-half to W. G. Houser, Wichita, Kans. Water-purifier.....	774,372	Nov. 8	1607	345	113	378
Baxter, John, Buffalo, N. Y. Course and bearing correcting device. (Reissue).....	12,196	Feb. 2	1216	278	108	1316
Baxter, John F. (See Rubican and Baxter.)						
Baxter, Perkins, et al. (See Kenny, John M., assignor.)						
Baxter, Robert, Milton, New Zealand. Sash-fastener.....	773,046	Oct. 25	3299	796	112	1815
Baxter, Seely J., and R. O. Martin, Norman, Okla. Ter.; said Martin assignor to said Baxter. Horse hay-rake.....	758,952	May 3	748	149	110	174
Baxter, William, Jr., Jersey City, N. J. Motor-starter.....	775,961	Nov. 29	4923	1040	113	1177
Baxter, William, Jr., Jersey City, N. J. Motor-starter.....	759,150	May 3	1105	224	110	251
Baxter, William, Jr., Jersey City, N. J. System of multiple-electric-motor control.....	769,812	Sept. 13	1272	273	112	304
Baxter, William, Jr., Jersey City, N. J. Rheostat.....	773,777	Nov. 1	456	101	113	107
Baxter, William, Jr., Jersey City, assignor to Otis Elevator Company, East Orange, N. J. Locking device for electromagnets.....	766,865	Aug. 9	1524	318	111	1398
Baxter, William H., Harrogate, England. Rotary screen.....	772,331	Oct. 18	2265	496	112	1486
Bay State Tool Company. (See Walden, Frederick E., assignor.)						
Bayard, Hyram J., Chicago, Ill. Railway-car.....	772,939	Oct. 18	3412	740	112	1735
Bayard, Hyram J., Chicago, Ill. Railway-car.....	773,273	Oct. 25	4308	911	112	1957
Bayard, Hyram J., Chicago, Ill. Car-brake.....	776,717	Dec. 6	500	110	113	1587
Bayard, Hyram J., Chicago, Ill. Car-axle.....	778,299	Dec. 27	3647	796	113	2262
Bayard, Hyram J., Chicago, Ill. Railway-car.....	778,831	Dec. 27	4678	1022 1023	113	2488
Bayer, John, New York, N. Y. Device for waxing and cleaning flat-irons.....	760,459	Sept. 6	640	137	112	146
Bayer, Ludwig, Munich, Germany. Internal-combustion engine.....	708,110	Aug. 23	4058 1855	579	111	1996
Bayler, Adolph, assignor to T. Adams, Sr., Brooklyn, N. Y. Wrapping-machine.....	759,960	May 17	2739	579	110	655
Bayless, Alfred G., New York, N. Y., assignor to Duplex Radiator Company, Radiator.....	768,785	Aug. 30	5434	1144	111	2320
Bayles, James C., East Orange, N. J. Flexible and expandible pipe-coupling.....	773,047	Oct. 25	3299	796	112	1815
Bayles, James C., New York, N. Y. Flexible and expandible pipe-coupling.....	773,047	Oct. 25	3702	796	112	1815

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Bayless, Alfred A., Frankfort, Ind. Ladder	765,223	July 19	2653	552	111	611
Bayless, Frank, Springfield, Ohio. Railway-switch	750,334	Jan. 26	3564	771	108	845
Bayless, Frank, Springfield, Ohio. Railway-switch	778,397	Dec. 27	3851	840	113	2306
Bayley, Harry E., Indianapolis, assignor of one-half to W. S. Holcombe, Bedford, Ind. Differential gearing	754,914	Mar. 15	3882	739	109	776
Bayley, Walter H., Peacham, Vt. Neck-yoke attachment	751,044	Feb. 2	481	113	108	1164
Bayley, William D. (See McCauley, John E., assignor.)						
Bayley, Elwood O., Adrian, Mich. Building-block	751,711	Feb. 9	1706	388	108	1439
Bayly, Harry E., Indianapolis, assignor of one-half to W. S. Holcombe, Bedford, Ind. Telescoping mechanism	770,550	Sept. 20	2696	570	112	642
Baynes, Frederick W., London, assignor to P. Eckhaus, West Kensington, England. Cash-till	754,961	Mar. 22	3484	702	109	813
Baynes, James B., Buffalo, N. Y. Vehicle-axle	763,839	June 28	4599	956	110	2453
Bazarek, Waldo J., Beaverdam, Wis. Railway-crossing	775,551	Nov. 22	4104	863	113	982
Beach, Arthur T., and F. C. Gould, New York, N. Y. Clothes-pressing machine	767,324	Aug. 9	2411	506	111	1592
Beach, Carl F., Battle Creek, Mich. Wrench	758,499	Apr. 26	4574	982	109	2383
Beach, Edward, assignor to Remington Arms Company, Ilion, N. Y. Ejector mechanism for firearms	763,453	June 28	3075	792	110	2300
Beach, Edward S., Brookline, Mass., assignor to Tyler Hinged Last Company, Charleston, W. Va., and Brockton, Mass. Divided last	755,559	Mar. 22	4545	1011	109	1040
Beach, Fred H. (See Knowlton and Beach.)						
Beach, Gardner E., Oakland, Cal. Scrip-meter	762,511	June 14	1762	376	110	1840
Beach, Henry H., et al. (See Brightwell, C. Amazon W., assignor.)						
Beach, John K., administrator. (See Gibbons, Rodmond.)						
Beach, Walter E. (See Clark and Beach.)						
Beach, William G., Grandlake, Ark. Land-anchor	750,151	Jan. 19	3215	691	108	747
Beal, Alexander W., et al. (See Linderman, Jay S., assignor.)						
Beal, Alpha R., Pittsburg, Pa. Price or money weight-scale	753,222	Mar. 1	11	2,3	109	5
Beal, Carroll N., San Francisco, Cal. Vehicle-wheel	766,929	Aug. 9	1659	348	111	1430
Beal, Francis R., Northville, Mich. Register	753,535	Mar. 1	612	139	109	133
Beal, Latham O., Dunedin, New Zealand. Range-finding and sighting appliance for weapons	766,658	Aug. 2	1062	222	111	1276
Beal, William, assignor of one-half to J. J. Rutishauser and L. G. Hirth, Ferdinandina, Fla. Non-refillable bottle	756,773	Apr. 5	1105	244	109	1579
Beale, Bertram R., and A. E. Bagnall, London, England. Coin-freed mechanism for gas or other fluid meters	753,658	Mar. 1	844	189	109	184
Beale, Charles, London, England. Apparatus for the preservation of food	767,921	Aug. 16	3831	757	111	1869
Beale, George B., Chicago, Ill. Registering toy bank	771,117	Sept. 27	3810	804	112	907
Beale, Harry O., Orono, assignor of one-half to W. M. Ayer, Oakland, Me. Automatic air-brake coupling	775,286	Nov. 15	3511	740	113	831
Beall, Allen M., South Bend, Ind., assignor to Beall Non-Pounding Frog and Crossing Company, Huron, S. D., and South Bend, Ind. Railway-crossing	751,602	Feb. 9	1512	344	108	1399
Beall Non-Pounding Frog and Crossing Company (See Beall, Allen M., assignor.)						
Beam, Aron M., Denver, Colo. Ore-treating furnace	761,646	June 7	14	3, 4, 5	110	1438
Beam, Calvin M., Shelby, N. C. Matrix-holding device for filling teeth	770,718	Dec. 6	502	110	113	1538
Beam Coke Oven Steam Boiler Power Company. (See Beam, Jacob B., assignor.)						
Beam, George W., Robinson, Ill. Grain-harvester elevator	755,838	Mar. 29	5131	1135	109	1189
Beam, Jacob B., assignor of one-half to J. M. McClure, Bigrun, Pa. Liquid-measuring apparatus	759,209	May 3	1251	252	110	286
Beam, Jacob B., Bigrun, assignor to Beam Coke Oven Steam Boiler Power Company, Punxsutawney, Pa. Coke-oven	760,372	May 17	3538	745	110	829
Beam, Jacob B., Bigrun, assignor to Beam Coke Oven Steam Boiler Power Company, Punxsutawney, Pa. Steam-generator	760,373	May 17	3542	746	110	830
Beam, John A., Baden, Canada. Threshing-machine	753,350	Mar. 1	241	55	109	54
Beam, John W., Argos, Ind. Coat-adjuster	775,508	Nov. 22	3962	840	113	965
Beam, Victor S., East Orange, N. J., and C. L. Clarke, New York, N. Y. Power transmission	771,802	Oct. 11	1150	257	112	1319
Beamman, John W., assignor of one-half to W. T. Sams, Maloy, Iowa. Miter-box	760,053	May 17	2946	614	110	698
Beamman & Smith Company. (See Smith, George H., assignor.)						
Bean, Edwin E., Warner, N. H. Shoe-sewing machine	771,200	Sept. 27	3970	899	112	940
Bean, James E., (by judicial change of name now E. B. Parkhurst,) Milwaukee, Wis. Mixing and vaporizing device for motors	761,192	May 31	5215	1108	110	1229
Bean, John, Los Gatos, assignor to Bean Spray Pump Co., San Jose, Cal. Spray-pump	767,032	Aug. 9	1841	387	111	1470
Bean, Joseph S., West Norwich, Vt. Thill-tug	757,717	Apr. 19	3015	655	109	2020
Bean Spray Pump Co. (See Bean, John, assignor.)						
Bean, William H., Birmingham, assignor of one-half to H. C. Mead, Bessemer, Ala. Portable valve-seat plunger	753,786	Mar. 1	1107	251	109	239
Bean, William Y. (See Stoller, Miller, and Bean.)						
Beane, Eben J., San Francisco, Cal. Means for sinking oil-well casings	759,412	May 10	1711	347	110	408
Beard, John F. (See Stone and Beard.)						
Beard, Lewis H., Terre Haute, Ind. Attachment for gas-stoves	752,749	Feb. 23	3729	831	108	1921
Beard, Theophilus L., Camden, N. J. Electric time-alarm	750,549	Jan. 26	4099	867	108	937
Beard, Andrew J., Eastlake, Ala. Automatic car-coupling	761,056	Mar. 31	4966	1052	110	1175
Beard, Edward J., Kansas City, Mo. Cantaliver car-track	750,152	Jan. 19	3216	692	108	747
Beard, George M., Angola, Ind. Changeable-speed gearing	763,244	June 21	3324	695	110	2180
Beard, George M., Angola, Ind. Hot-air furnace	767,097	Aug. 9	1960	414	111	1503
Beard, John, Livingston, Mont. Means for telegraphing	770,728	Sept. 27	3178	668	112	761
Beard, Percy M., Hardinsburg, Ky. Hat-case	757,250	Apr. 12	2061	450	109	1799
Beard, Richard M., assignor to International District Telephone Company, New York, N. Y. Telephone central-exchange instalment	767,033	Aug. 9	1844	388	111	1470
Beardsell, Arthur W., Milford, assignor to Draper Company, Hopedale, Mass. Cop-screw	762,018	June 7	788	161	110	1610
Beardslee, John P., assignor of one-half to J. M. Wright, Tama, Iowa. Vending-machine	752,322	Feb. 16	2901	647	108	1723
Beardsley, Frank W., New York, N. Y. Gas apparatus	750,016	Jan. 19	3971	636	108	696
Beardsley, Robert F. W., assignor of four-fifths to R. L. and H. D. Levy and B. E. Nussbaum, Chicago, Ill. Package-sealing machine	749,681	Jan. 12	2296	485	108	533

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Beardsley, Robert F. W., assignor of four-fifths to R. L. and H. D. Levy and B. E. Nusebaum, Chicago, Ill. Packing machine.....	749,682	Jan. 12	2900	486	108	534
Bearse, Aaron, Syracuse, N. Y. Combined insulator and fuse-box.....	761,814	June 7	411	84	110	1330
Beasley, Henry, and G. Huber, Dot, Tex. Insect-destroyer.....	758,991	May 3	632	125	110	149
Beasley, John H., Petersburg, Va. Trunk.....	753,093	Feb. 23	4319	960	108	2054
Beattie, Edward W., Jr., et al. (See Emerson, Estelon E., assignor.).....						
Beattie, James, Shreveport, La. Oil heating-furnace.....	773,458	Oct. 25	4687	991	112	2037
Beattie, James H., Tacoma, Wash. Burial apparatus.....	771,452	Oct. 4	458	104	112	1035
Beattie, Robert, Littlefalls, and A. McKendrick, Paterson, N. J.; said McKendrick assignor to said Beattie. Pile-wire motion for looms.....	776,375	Nov. 29	5711	1208	113	1358
Beatty, Franklin E., Mount Airy, assignor of one-half to D. D. Yeakel, Chestnut Hill, Pa. Brake-adjuster.....	756,092	Mar. 29	5614	1239	109	1293
Beatty, George. (See Altenbaugh and Conner, assignors.).....						
Beatty, George. (See Martin, Joseph I., assignor.).....						
Beatty, Robert J. (See Altenbaugh, William F., assignor.).....						
Beatty, Zimra T., Allen, Mich. Blanket or strap fastener.....	777,585	Dec. 13	2212	485	113	1930
Beau de Zart, Fred W. (See Young, William J., assignor.).....						
Beauchamp, Robert C., Falls of Rough, Ky. Cultivating implement.....	777,586	Dec. 13	2214	485	113	1930
Beauchemin, Charles F., et al. (See Renaud, Ernest, assignor.).....						
Beauchemin, Charles H., et al. (See Renaud, Ernest, assignor.).....						
Beaudette, De Witt A., San Bernardino, Cal. Apparatus for removing snow from railway-tracks.....	762,375	June 14	1473	321	110	1778
Beaudette, Henry, Troy, N. Y. Tool for inserting wires in sleeves.....	768,974	Aug. 30	5834	1235	111	2411
Beaudoin, Frederick A. (See Billy and Beaudoin.).....						
Beaudry, Frank O., Greensboro, N. C. Shoe-upper.....	766,015	July 26	4230	906	111	962
Beaudry, Zotique, Lynn, Mass. Jack for boots or shoes.....	764,335	July 5	860	176	111	188
Beaudry, Zotique, Lynn, Mass. Machine for setting, trimming, and burnishing the soles and heels of boots or shoes.....	770,415	Sept. 20	2429	513	112	583
Beaudry, Zotique, Lynn, Mass. Machine for trimming heels.....	771,525	Oct. 4	607	135	112	1088
Beaumont, David W., Brooklyn, N. Y. Stylographic pen.....	769,427	Sept. 6	566	124	112	129
Beaumont, Frederick J., Stroud Green, England. Generating and distributing electricity on railway or other vehicles.....	774,029	Nov. 1	983	206	113	223
Beaumont, Thomas C., assignor to Henry Huber Company, New York, N. Y. Flushing-valve.....	770,416	Sept. 20	2433	514	112	584
Beaumont, William, Granite, Okla. Ter. Rotary engine.....	774,551	Nov. 8	1950	423	113	450
Beauregard, Stanislas, assignor to J. Adam, Montreal, Canada. Hand-tacker.....	755,899	Mar. 29	5136	1136	109	1190
Beauregard, Stanislas, St. Henry, assignor to J. Adam, Montreal, Canada. Nail-making machine.....	772,916	Oct. 25	3433	745	112	1757
Beaver, Albert, New Kensington, Pa. Window-cleaner.....	774,227	Nov. 8	1345	286	113	320
Beaver Dam Malleable Iron Company. (See Peirce, Ernest F., assignor.).....						
Beazley, Charles H. (See Lee and Beazley.).....						
Beazley, Joseph O., Baltimore, Md. Liquid-cooler.....	767,325	Aug. 9	2412	506	111	1592
Bebler, Elwood, Los Angeles, Cal. Spike-extractor.....	769,048	Aug. 30	5982	1253	111	2444
Bebler, Elwood, and N. F. Anderson, Los Angeles, Cal. Holding device for insulator or other bolts.....	763,245	June 21	3225	695	110	2180
Bebout, Delmar E. (See Dudley and Bebout.).....						
Becher, James A., Mishawaka, Ind. Engine.....	754,277	Mar. 8	2083	462	109	473
Becherer, George, St. Louis, Mo. Newspaper holder and binder.....	768,505	Aug. 23	4846	1016	111	2173
Beckman, Henry F., Battlereck, assignor, by mesne assignments, to Detroit Trust Company, trustee, Detroit, Mich. Printing-press.....	763,340	June 28	4400	957	110	2454
Becht, Herman W., Cincinnati, Ohio. Reducing-mill.....	757,493	Apr. 19	2447	534	109	1696
Bechtel, Byron E., Waterloo, Canada. Brick-cutter.....	762,608	June 14	1961	423	110	1882
Bechtel, Byron E., Waterloo, Canada. Brick or tile cutter.....	770,625	Sept. 20	2826	600	112	671
Bechtel, Charles W. (See Sargent, William G., assignor.).....						
Bechtel, Frank, and E. M. Hagar, Anchor, Ill. Hood for pneumatic stackers.....	771,118	Sept. 27	3814	805	112	908
Bechtel, Peter K., Pittsburg, Pa. Combined hospital-wagon and operating-table.....	770,152	Sept. 13	1905	406	112	446
Bechtol, James A., and W. H. Bucke, Eaton, Ohio. Safety washer and nut for vehicle-axes.....	771,762	Oct. 4	1059	296	112	1185
Bechtol, Joseph W., and J. C. Manley, Tacoma, Wash. Shaft-hanger.....	750,153	Jan. 19	3218	693	108	748
Bechtold, Adolph and A. C., New York, N. Y. Changeable exhibitor.....	764,190	Mar. 8	1912	426	109	438
Bechtold, Adolph and A. C., New York, N. Y. assignors to Meyrowitz Manufacturing Company. Apparatus for testing the eyesight.....	759,229	May 10	1338	267	110	325
Bechtold, August C. (See Bechtold, Adolph and A. C.).....						
Bechtold, Edmund E., Chicago, Ill. Insulation.....	758,165	Apr. 26	3894	846	109	2232
Bechtold, William S., Newark, N. J. Comb.....	749,471	Jan. 12	1914	397	108	449
Bechtold, William S., Newark, N. J. Comb.....	750,238	Jan. 19	3378	729	108	733
Bechtold, William S., Newark, N. J. Hair-retainer.....	758,953	May 3	749	149	110	174
Beck, Albert G., Cincinnati, Ohio. Can-lifter.....	761,136	May 31	5114	1086	110	1207
Beck, Andrew P., Greenville, Mich. Latch.....	751,450	Feb. 9	1237	282	108	1339
Beck, Arthur E., and G. Townsend, Birmingham, England. Apparatus for the production of tubes.....	770,997	Sept. 27	3565	751	112	854
Beck, Charles E. (See Grumbine and Beck.).....						
Beck, Emil R., Hilbersdorf, Germany. Calendar-roll.....	775,438	Nov. 22	3848	813	113	926
Beck, Frederick E. (See Keville, William J., assignor.).....						
Beck, George W. (See Grapevine, Charles E., assignor.).....						
Beck, Michael, Minneapolis, Minn. Long-distance telephone system.....	756,813	Apr. 12	1198	267	109	1616
Beck, Michael, Minneapolis, Minn. Explosive rotary engine.....	771,037	Sept. 27	3550	769	112	870
Beck, Raymond. (See Keffer, Edwin, assignor.).....						
Beck, Theodore E., Newark, N. J. Lathing device.....	776,719	Dec. 6	503	110	113	1538
Becker, Anton, assignor to J. S. Ralston, Chicago, Ill. Combined grain and stock car.....	762,118	June 7	965	199	110	1646
Becker, Anton, assignor to J. S. Ralston, Chicago, Ill. Dumping mechanism for metallic cars.....	768,722	Aug. 30	5323	1121	111	2295
Becker, Anton, assignor, by mesne assignments, to Ralston Car Company, Chicago, Ill. Dumping mechanism for metallic cars.....	763,841	June 28	4402	957	110	2454
Becker, Anton, assignor to Ralston Car Company, Chicago, Ill. Metallic flush-floor dump-car.....	763,947	June 28	4598	1005	110	2496
Becker, Arnold, Seattle, Wash. Log-raft.....	773,625	Nov. 1	167	37	113	43
Becker-Brainard Milling Machine Company. (See Becker, John, assignor.).....						
Becker, Charles J., assignor of one-half to H. R. Lackey, Marietta, Ohio. Folding work-table and lap-board.....	778,735	Dec. 27	4477	980	113	2442
Becker, Edward P. (See Shelton, John, assignor.).....						
Becker, Frederick W., assignor to M. A. Becker, New York, N. Y. Violin chin-rest.....	775,465	Nov. 22	3908	825	113	940

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Becker, Frederick W., assignor to M. A. Becker, New York, N. Y. Tuning-peg for stringed instruments	775,767	Nov. 22	4523	960	113	1073
Becker, Frederick W., assignor to M. A. Becker, New York, N. Y. Combined chin and shoulder rest for violins	775,792	Nov. 22	4575	960	113	1083
Becker, John, Hydepark, Mass., assignor to Becker-Brainard Milling Machine Company, Portland, Me. Milling-machine	776,104	Nov. 29	5199	1098	113	1240
Becker, John A. S., Freeport, Ill. Rotary engine	776,376	Nov. 29	5174	1209	113	1359
Becker, Julius. (See Eichler and Becker.)						
Becker, Julius F., Elbing, Germany. Device for lowering life-boats	758,043	Apr. 26	3667	793	109	2182
Becker, Maria A. (See Becker, Frederick W., assignor.)						
Becker, Peter V., Plymouth, Wis. Bracket for wagon-bodies	758,611	May 3	6	1, 2	110	5
Becker, Wilhelmine, Chicago, Ill. Garment-fastening	772,332	Oct. 18	2268	497	112	1486
Becker, William J., Milwaukee, Wis. Pneumatic switch and signal apparatus	756,929	Apr. 12	1419	317	109	1661
Becker, William J., Milwaukee, Wis. Vacuum pneumatic signaling apparatus	776,883	Dec. 6	852	182	113	1614
Beckes, Lyman M., Vincennes, Ind. Device for distributing noxious fumes	759,062	May 3	941	183	110	214
Beckett, David C., Dayton, Ohio. Pen and pencil tray	768,323	Aug. 23	4465	938	111	2084
Beckett, Thomas F., Steubenville, Ohio. Sectional gear	762,225	June 7	1159	248	110	1692
Beckett, William H., Detour, Mich. Folding crate or box	760,517	May 24	3837	814	110	916
Beckett, William H., Detour, Mich. Nut-lock	768,950	July 5	4	1	111	3
Beckley, Joseph C., Dayton, Ohio. Boiler	760,840	May 24	4509	960	110	1058
Beckman, Andrew H., Grandy, Minn. Sack-holder	775,962	Nov. 29	4925	1040	113	1177
Beckman Brothers. (See Beckman, Herman H., assignor.)						
Beckman, Herman H., assignor to Beckman Brothers, Des Moines, Iowa. Band-fastening	751,370	Feb. 2	1107	250	108	1293
Beckmann, William, and W. Bohle, St. Louis, Mo. Fireproof shutter	770,042	Sept. 13	1718	363	112	405
Beckwith, Charles P. (See Aldrich and Beckwith.)						
Beckwith, Edwin, New York, N. Y. Eyeglasses	752,280	Feb. 16	2819	625	108	1705
Beckwith, Edwin P., Ionia, Mich. Graded photographic film	749,893	Jan. 19	2722	581	108	644
Beckwith, Harvey, Oakland, Cal. Traction-engine	754,409	Mar. 15	2396	524	109	558
Beckwith, Harvey, Oakland, Cal. Self-propelled vehicle	772,270	Oct. 11	2139	468	112	1436
Beckworth, Sidney, and H. F. Wullstein, Little Rock, Iowa. Wire-stretcher	752,948	Feb. 23	4511	924	108	2015
Bedell, Charles H., Philadelphia, Pa., and T. S. Bailey, Greenport, assignors to Electric Boat Company, New York, N. Y. Means for clearing the optical parts of altiscopes or the like	751,139	Feb. 2	654	151	108	1199
Bedell, Jerome E. (See Burnside and Bedell.)						
Bedell, John E., St. Louis, Mo. Artificial-stone sewer-cap	767,624	Aug. 16	3025	632	111	1748
Bednary, Emory A., Erie, Pa. Metallic fabric	760,841	May 24	4510	961	110	1059
Bedinger, George W., I. King, and S. S. Bedinger, Weatherford, Tex. Crude-oil burner	751,603	Feb. 9	1515	344	108	1400
Bedinger, Solomon S. (See Bedinger, King, and Bedinger.)						
Bedworth, John A., assignor to F. S. Webster Company, Boston, Mass. Ribbon-spool	754,116	Mar. 8	1788	398	109	411
Bedworth, John A., assignor to F. S. Webster Company, Boston, Mass. Ribbon-spool for typewriting machines	754,117	Mar. 8	1790	398	109	411
Bee, John H., and T. B. Campbell, Jr., New Kensington, Pa. Safety watch-holder	759,831	May 17	2565	535	110	610
Beebe, Charles S., assignor to B. B. Pence Company, Racine, Wis. Wire fence	769,049	Aug. 30	584	1254	111	2444
Beebe, Courtland, Norwich, Conn., assignor to E. M. Beebe, Spies, N. C. Shears	764,878	July 12	3207	414	111	556
Beebe, Daniel S. (See McClintock, Krause, and Beebe.)						
Beebe, Dillon, Newark, N. J. Valve-bung and connection therefor	766,059	Aug. 2	1064	222	111	1276
Beebe, Esther M. (See Beebe, Courtland, assignor.)						
Beebe, Joseph E., Harlan, Iowa. Neck-yoke center	757,594	Apr. 19	9780	608	109	1968
Beebe, Joseph E., Harlan, Iowa. Vehicle-pole	762,119	June 7	967	200	110	1646
Beech, Jacob. (See Wirth and Beech.)						
Beech, Jacob, Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Soldering armature-leads to commutator-bars	767,472	Aug. 16	2713	570	111	1678
Beecher Construction Company. (See Beecher, Lina, assignor.)						
Beecher, Lina, Batavia, N. Y., assignor to Beecher Construction Company. Pleasure-railway	750,246	Jan. 26	3392	733	108	808
Beecher, Lina, Batavia, N. Y., assignor to Beecher Construction Company. Monorail-way and truck therefor	750,247	Jan. 26	3394	734	108	804
Beecher, Walter H. W., Oil City, Pa. Wrench	758,035	Apr. 19	3644	788	109	2157
Beechum, George H. (See Hurst and Beechum.)						
Becroft, Clement, Philadelphia, Pa., assignor to Tea Tray Company, Newark, N. J. Horn-support	751,140	Feb. 2	657	151	108	1200
Beede, Herbert G., Pawtucket, R. I. Spinning-frame separator mechanism	777,831	Dec. 20	2698	594	113	2048
Beede, Virginia F., Stockton, Cal. Hair-restorative	766,984	Aug. 9	1763		111	1452
Beedy, Seth E., et al. (See Humphrey, Crawford H., assignor.)						
Beeg, Hans, assignor to Badische Maschinenfabrik & Eisengesserei, vormals G. Sebold and Sebold & Neff, Durlach, Germany. Match-box-filling machine	753,223	Mar. 1	14	3, 4	109	5
Beeghly, David E., Dayton, Ohio. Hollow wall construction	749,254	Jan. 12	1426	306	108	347
Beehler, Charles W., St. Louis, Mo. Box-fastener	757,172	Apr. 12	1920	419	109	1769
Beemer, Henry, New York, N. Y. (See Vandewater, Samuel A., assignor.)						
Beekman, Ross C., Independence, Kans. Washing-machine	756,204	Apr. 5	13	3	109	1345
Beeler, Gertrude, San Antonio, Tex. Hip-form and stocking-supporter	756,455	Apr. 5	532	111	109	1456
Beeler, Gertrude, San Antonio, Tex. Stocking-supporter	764,790	July 12	1894	375	111	417
Beeler, John A., Denver, Colo. Railway cash-receipt ticket	760,949	May 24	4717	1005	110	1103
Beeman, Marcus M. (See Annable, George G., assignor.)						
Beemer, Miles W., New York, N. Y. Amusement and advertising device	749,657	Jan. 12	2253	475	108	523
Beems, Clark A., Anamosa, Iowa. Knockdown box	759,961	May 17	2763	579	110	656
Beer, Samson, Butte, Mont. Ore-concentrator	764,979	July 12	2213	457	111	500
Beers, Alexander W., St. Louis, Mo. Service-cup	765,763	July 26	3738	798	111	854
Beers Brothers & Company. (See Beers, Walter S., assignor.)						
Beers, Walter S., Marion, Ind. Pump-piston	765,541	July 19	3288	688	111	746
Beers, Walter S., Marion, Ind., assignor to Beers Brothers & Company, Oil City, Pa. Standing valve for oil or Artesian well pumps	776,377	Nov. 29	5716	1209	113	1360
Beerwald, Benjamin, Philadelphia, Pa., assignor to J. F. George, New York, N. Y. Stage-pocket	771,410	Oct. 4	391	86	112	1040
Beerwald, Harry, New York, N. Y. Waistband	756,566	Apr. 5	721	156	109	1495
Beerwald, Harry, New York, N. Y. Waistband	756,567	Apr. 5	722	156	109	1495
Beeton, John, and J. Wardall, Hucknall, Torkard, England. File or carrier for miners' pick-blades or like tools	756,093	Mar. 29	5616	1339	109	1294
Beezer, Louis and M. J., Pittsburg, Pa. Railway construction	756,814	Apr. 12	1201	258	109	1617
Beezer, Louis and M. J., Pittsburg, Pa. Railway construction	756,815	Apr. 12	1202	258	109	1617
Beezer, Louis and M. J., Pittsburg, Pa. Railway construction	756,816	Apr. 12	1203	258	109	1617

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Beezer, Louis and M. J., Pittsburg, Pa. Concrete railway-tie.....	758,612	May 3	7	2	110	5
Beezer, Louis and M. J., Pittsburg, Pa. Concrete railway-tie.....	758,613	May 3	9	2	110	5
Beezer, Louis and M. J., Pittsburg, Pa. Concrete railway-tie.....	759,852	May 17	2565	535	110	610
Beezer, Michael J., (See Beezer, Louis and M. J.)	761,647	June 7	26	5	110	1442
Begole, Gordon W., Hastings, Mich. Hook.....	773,778	Nov. 1	461	101	113	109
Behaghel, Wilhelm, and G. C. Schumann, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making indoxyl compounds.....	772,775	Oct. 18	3160	.....	112	1678
Behaghel, Wilhelm, and G. C. Schumann, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Making hydroxyalkylaulin.....	778,772	Dec. 27	4554	.....	113	2460
Behlen, Charles A., Oxford, N. C. Vehicle-spring.....	753,832	June 28	4405	958	110	2455
Behn, Ernest, New York, N. Y. Knockdown chair.....	753,034	Feb. 23	4321	960	108	2054
Behn-Eschenburg, Hans H. C. (See Huber and Behn-Eschenburg.)						
Behnke, Otto, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Recoil-carriage for ordnance.....	756,205	Apr. 5	14	3.4	109	1346
Behr, Burkard, Hamburg, Germany. Armor-shield.....	774,303	Nov. 8	1486	319	113	352
Behr, Fritz B., London, England. Car for traveling on single-rail elevated railways.....	775,743	Nov. 22	1485	950	113	1064
Behre, Ferdinand, Morristown, and E. C. Lauyer, Jr., Chatham, N. J. Mud-guard for automobiles.....	768,723	Aug. 30	5324	1121	111	2295
Behrend, Bernard A., Norwood, Ohio, assignor to Bullock Electric Manufacturing Co. Support for field-windings.....	759,210	May 3	1256	252	110	280
Behrend, Ernst R. and O. F. Erie, Pa. Device for watermarking paper. (Reissue).....	12,218	May 10	2541	532	110	590
Behrend, Otto F. (See Behrend, Ernst R. and O. F.) (Reissue.)						
Behrendt, Barnin L., New York, N. Y. Identification-card.....	751,247	Feb. 2	894	204	108	1247
Behrens, Charles, <i>et al.</i> (See Piper, Herbert H., assignor.)						
Behrens, Henry J., <i>et al.</i> (See Piper, Herbert H., assignor.)						
Behrens, William F. (See Leineweber, Herman, assignor.)						
Behringer, John F., Cleveland, Ohio. Centering device for lathes.....	767,326	Aug. 9	2414	506	111	1593
Behringer, Valentin, New York, N. Y. Rotary engine.....	775,413	Nov. 22	3789	801	113	914
Behrnd, Gustav A., San Francisco, Cal. Building construction.....	758,500	Apr. 26	4576	989	109	2383
Beidler, George C., Oklahoma, Okla. Ter. Camera.....	753,351	Mar. 1	244	55	109	55
Beier, Frank J., assignor of two-thirds to B. S. Austrian and C. S. Rosenthal, Chicago, Ill. Vending-machine.....	761,351	May 31	5534	1180	110	1297
Beiermeister, Caroline L. (See Beiermeister, John M., assignor.)						
Beiermeister, John M., assignor to C. L. Beiermeister, Troy, N. Y. Apparatus for turning collars.....	774,147	Nov. 8	1200	256	113	288
Beil, Jacob C., Youngstown, Ohio. Fruit-peeler.....	754,191	Mar. 8	1914	426	109	438
Beinert, George D., St. McAffie and Beiert, (See Beinert, George D., assignor.)						
Beinhauer, Hugo, Bielefeld, Germany. Apparatus for tightening socket-pipe connections.....	753,464	Mar. 1	456	107	109	100
Beisbarth, Julius. (See Schneider, Max, assignor.)						
Beisel, Charles E., assignor of one-half to R. F. Bigger, Indianapolis, Ind. Packaging-clip.....	749,834	Jan. 19	2020	560	108	620
Beistle, Martin L., Ingram, Pa. Trolley.....	773,459	Oct. 25	4638	991	112	2038
Beken, William H., Vernon Center, N. Y. Firearm.....	773,490	Oct. 25	4690	991	112	2038
Beker, Rudolph G., assignor of two-thirds to F. H. Kindt, Pittsburg, Pa. Upsetting-machine.....						
Bélanger, François, Langdon, N. D. Grading-machine.....	751,141	Feb. 2	660	152	108	1201
Bélanger, Victor, Seaview, Mass. Rotary spinning-ring.....	768,542	July 19	3390	689	111	747
Bélanger, Victor, Seaview, Mass. Spindle.....	768,553	Aug. 23	4948	1035	111	2194
Bélanger, Victor, Seaview, Mass. Spindle.....	768,556	Aug. 23	4950	1035	111	2195
Bélanger, Victor, Seaview, Mass. Spindle.....	768,724	Aug. 30	5325	1121	111	2295
Bélanger, Victor, Seaview, Mass. Bobbin.....	768,725	Aug. 30	5327	1122	111	2296
Bélanger, Victor, Seaview, Mass. Bobbin.....	768,726	Aug. 30	5327	1122	111	2296
Bélanger, Victor, Seaview, Mass. Bobbin.....	768,727	Aug. 30	5328	1122	111	2296
Belcher, George E. (See Weir, William J., assignor.)						
Belcher, John W., Chicopee Falls, Mass. Chimney-cap construction.....	766,487	Aug. 2	709	149	111	1195
Belden, Charles H., assignor to Judd and Leland Manufacturing Company, Clifton Springs, N. Y. Air-valve.....	767,098	Aug. 9	1991	414	111	1503
Belden, Edward H., Dayton, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.....	748,915	Jan. 5	692	152	108	156
Belden, Edward H., Fort Wayne, Ind., assignor to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.....	749,016	Jan. 5	920	194	108	214
Belden, Edward H., Fort Wayne, Ind., assignor to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.....	749,017	Jan. 5	923	195	108	215
Belden, Edward H., Fort Wayne, Ind., assignor to Westinghouse Electric & Manufacturing Company. Electric-arc lamp.....	749,018	Jan. 5	928	196	108	215
Belding, Amanda, Paterson, N. J. Music-rack.....	760,299	May 17	3418	721	110	803
Belding Bros. Manufacturing Company. (See Bonner, Robert A., assignor.)						
Belding, George L., Westpoint, N. Y. Steam-trap.....	761,937	June 7	646	130	110	1582
Belfield, A. Miller. (See Stroud, Harold D., assignor.)						
Belfield, Reginald. (See Parsons, Belfield, and Chapman.)						
Belk, John A., Fielding, New Zealand. Fastener for windows or the like.....	762,376	June 14	1474	321	110	1778
Belknap, Charles A., Brooklyn, N. Y. Envelop feeding and ejecting mechanism for printing-machines.....	758,044	Apr. 26	3665	754	109	2183
Belknap, Edwin D., East Orange, N. J. Addressing-machine.....	762,609	June 14	1968	424	110	1883
Belknap, Ellsworth, Cape Girardeau, Mo. Reversing valve-gear.....	777,587	Dec. 13	2216	485	113	1830
Belknap, Frank D., New York, N. Y. Card index and receptacle.....	775,696	Nov. 22	4401	929	113	1046
Belknap, Henry H. (See Dolley, Charles S., assignor.)						
Belknap, James H. (See Foster, Marion J., assignor.)						
Belknap, Thomas M., Anamosa, Iowa. Rail-joint.....	751,451	Feb. 9	1238	282	108	1339
Bel, Alexander G., Washington, D. C. Aerial vehicle.....	757,012	Apr. 12	1599	348	109	1693
Bel, Alexander G., Washington, D. C. Aerial vehicle or other structure.....	770,626	Sept. 20	2829	600	112	671
Bel, Angeline R., Knightstown, Ind. Sash-lifter for car-windows.....	754,634	Mar. 15	2945	621	109	654
Bel, Benjamin F., assignor of two-thirds to A. H. Gossling and H. Teitgebaum, Nashville, Tenn. Shade-roller attachment.....	764,516	July 5	1247	256	111	272
Bel, Charles E., assignor of one-half to D. Cameron, Kansas City, Mo. Painting-machine.....						
Bel, Frank F., Fairfield, Wash. Automatic cut-off in time of storm.....	768,873	Aug. 30	5621	1181	111	2961
Bel, George H., <i>et al.</i> (See Bagley, Charles H., assignor.)	758,954	May 3	751	149	110	174
Bel, George H., Job, W. Va. Spike-pulling device.....	751,604	Feb. 9	1516	345	108	1400
Bel, Harvey H., Nevada, Iowa. Gate.....	754,535	Mar. 15	2663	579	109	613

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Bell, John H. (See Olney, James B., assignor.)						
Bell, Joseph B., Windber, Pa. Mine-car	778,097	Dec. 20	3242	712	113	2156
Bell, Madison, <i>et al.</i> (See Harris, John B., assignor.)						
Bell Pure Air & Cooling Co. (See Webber, William O., assignor.)						
Bell, Robert, Glenae, Scotland. Cushioned rubber tire for vehicles	772,080	Oct. 11	1749	389	112	1349
Bell, Stewart S. (See Kinsley and Bell.)						
Bell, Stewart S., Reading, Mass. Window or sash fastener	778,000	Dec. 20	3065	674	113	2119
Bell, Stewart S., Reading, Mass. Wedge sash-fastener	778,001	Dec. 20	3066	674	113	2120
Bell, Thomas. (See Metcalfe and Bell.)						
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Street-railway switch	748,688	Jan. 5	260	60	108	57
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Electromechanical switching mechanism	749,835	Jan. 19	2621	560	108	620
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Multiple-switch-operating mechanism	752,642	Feb. 23	3533	786	108	1878
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Electric pump for switching mechanisms	752,643	Feb. 23	3535	786	108	1878
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Electro fluid-pressure switching mechanism	764,836	July 12	1932	397	111	439
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Electro fluid-pressure switching mechanism	765,263	July 19	2718	566	111	625
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Railway-crossing signal	765,264	July 19	2721	567	111	626
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Railway-crossing appliance	765,265	July 19	2723	568	111	626
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Audible signaling device	765,266	July 19	2724	568	111	626
Bell, Walter J., assignor of one-half to L. F. Moss, Los Angeles, Cal. Street-railway switching mechanism	774,373	Nov. 8	1609	346	113	379
Bell, Willard J., Newaygo, Mich. Vibrating screen	754,839	Mar. 15	3260	709	109	746
Bell, Willard J., Newaygo, Mich. Pneumatic pumping or conveying device	770,153	Sept. 13	1906	406	112	446
Bell, William O., Soldiers Home, Cal. Rule-holder	770,953	Sept. 27	3484	735	112	836
Bellamy, Charles H., Philadelphia, Pa. Door-fastening device	776,378	Nov. 29	5720	1210	113	1360
Bellville, Charles J., Springfield, Mass. Hand writing-board	769,804	Aug. 9	1402	293	111	1373
Bellamy, Charles J., Springfield, Mass. Hand writing-board	769,293	Sept. 6	319	73	112	68
Bellamy, Charles J., Springfield, Mass. Feeding mechanism	769,294	Sept. 6	322	73.74	112	68
Bellamy, Charles J., Springfield, Mass. Feed mechanism	769,677	Sept. 6	1032	222	112	236
Bellamy, Charles J., Springfield, Mass. Hand writing-board	769,678	Sept. 6	1034	223	112	236
Bellamy, Charles J., Springfield, Mass. Copying-plate	771,231	Oct. 4	8	2	112	962
Bellamy, Charles J., Springfield, Mass. Mechanism for handling fabrics	777,934	Dec. 20	2935	645	113	3095
Bellamy, William. (See Peters and Bellamy.)						
Bellamy, William D., Brooklyn, N. Y. Combination book-holder and writing-table	770,842	Sept. 27	3275	690	112	787
Belle, Philias, Montreal, Canada. Stiffener-bath	756,319	Apr. 5	248	51.32	109	1397
Belman, Henry J., Philadelphia, assignor to Pittsburgh Hair Felt Company, Sharpsburg, Pa. Hair-felt insulating-covering	773,203	Oct. 11	2005	442	112	1405
Bellows, Arthur B., Pittsburg, Pa. Metal bolster	752,508	Feb. 16	3246	723	108	1797
Bellows, Arthur B., Pittsburg, Pa. Car structure	762,676	June 14	2089	510	110	1011
Bellows, Arthur B., Pittsburg, Pa. Car-sill	762,706	June 14	2312	511	110	1065
Bellows, Arthur B., Pittsburg, Pa. Car-sill	762,858	June 14	2480	537	110	1094
Bellows, Horace M., Huntingdon Valley, Pa. Railway-bond	778,062	Dec. 20	3067	674	113	2120
Bellows, John J. (See Kennedy, Henry A., assignor.)						
Bellville, Henry H., Detroit, Mich. Adjustable stair-square	771,295	Oct. 4	11	2	112	962
Beioin, Fred, New Britain, Conn. Fixture	765,161	July 19	2552	593	111	588
Belser, James H., Marlboro, Mass. Bench-dog	758,407	Apr. 26	4985	942	109	2338
Belt, Samuel, Leesburg, Va. Steam-trap	763,843	June 28	4047	958	110	2455
Belter, William E. (See Roelofson, William J., assignor.)						
Beltz, John H., St. Paul, Minn. Sack-holder	760,295	Sept. 6	325	74	112	69
Beltz, William H., Canton, Ohio. Brick-cut-off table	740,334	Jan. 12	1645	350	108	396
Belvoir, Thomas, New Southgate, England. Elastic exercising apparatus	760,374	May 17	3546	747	110	831
Bemiller, John E., and E. C. Weisensale, Hanover, Pa. Electric-circuit closer for fire-alarms	767,625	Aug. 16	3027	633	111	1748
Bemis Bro. Bag Co. (See Iverson, Joachim, assignor.)						
Bemis Bro. Bag Company. (See Shallenberger, Charles S., assignor.)						
Bemis Bro. Bag Company. (See Sparks, Charles F., assignor.)						
Bemis Car Truck Company. (See Bemis, Sumner A., assignor.)						
Bemis, Frederick H., Bingham Canyon, assignor of two-thirds to E. A. Wall and G. L. Bemis, Salt Lake City, Utah. Separator	772,800	Oct. 18	3307	721	112	1711
Bemis, George L., <i>et al.</i> (See Bemis, Frederick H., assignor.)						
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Equalizing-bar for trucks	759,230	May 10	1340	267	110	325
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Railway-car truck-frame	761,648	June 7	27	5	110	1442
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Transom-bolster for railway-car trucks	761,649	June 7	31	6	110	1443
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Transom-bolster for railway-car trucks	761,650	June 7	32	6	110	1443
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Bolster-support for railway-car trucks	762,610	June 14	1966	424	110	1883
Bemis, Sumner A., Springfield, Mass., assignor to Bemis Car Truck Company, New York, N. Y. Swing-bolster for railway-car trucks	762,611	June 14	1968	425	110	1884
Bemis, Wallace L., Brockton, Mass. Eyeglasses	756,456	Apr. 5	534	111	109	1456
Bemore, Albert. (See Turner and Bemore.)						
Benbow, Thomas C., Absarokee, assignor of one-half to G. W. Pierson, Red Lodge, S. T. Simonson, Absarokee, and P. Lavelle, Columbus, Mont. Air-ship	774,643	Nov. 8	2113	461	113	485
Bender, Charles C., and J. E. Fish, Bloomington, Ind. Provision-safe	752,500	Feb. 16	3248	724	108	1797
Bender, Charles J., Philadelphia, Pa. Combined packet and shirt-waist holder	752,371	Feb. 16	2990	666	108	1743
Bender, Frederick W., Hoboken, N. J. Fountain-pen	772,204	Oct. 11	2006	442	112	1405
Bender, Frederick W., and J. M. Schlotter, New Rochelle, N. Y. Water-closet	763,246	June 21	3227	605	110	2181
Bender, Horace G., East Orange, N. J. Endless printing-form	769,296	Sept. 6	326	74	112	69
Bender, Jacob. (See Crandall, Jesse, assignor.)						
Bender, John B., assignor of three-fourths to E. L. Rowe, Toledo, Ohio. Speed mechanism	761,137	May 31	5116	1086	110	1307

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Bender, Louis, <i>et al.</i> (See Bagley, Charles H., assignor.)						
Bender, William H., Brooklyn, N. Y. Advertising novelty	756,206	Apr. 5	15	4, 5	109	1346
Bendickson, Peder O., Scarville, Iowa. Unloading device	766,866	Aug. 9	1525	319	111	1398
Bending, Peter, Columbus, Ohio. Safety device for elevators	762,612	June 14	1972	425 426	110	1885
Benecke, Adelbert O. (See Weston and Benecke.)						
Benecke, Adelbert O. (See Weston and Benecke.) (Reissue.)						
Benedict, Charles G., and W. Anders, Cheighton, Nebr. Air-blast grain-spout	772,124	Oct. 11	1830	406	112	1366
Benedict, Charles W. (See Johnson, Charles J., assignor.)						
Benefield, Chauncey R., Dallas, Tex. Apparatus for handling seed-cotton	750,151	May 3	1108	224	110	232
Benesch, Emil M., Denver, Colo. Electric time-alarm	754,410	Mar. 15	2400	325	109	559
Benford, Nathaniel T. and R. B. Sharsburg, Pa. Basting and roasting attachment for bake-pans	772,997	Oct. 25	3583	776	112	1791
Benford, Rezin B. (See Benford, Nathaniel T. and R. B.)						
Benham, Arthur D., Milford, Mich. Post and base therefor	759,083	May 3	942	191	110	215
Benham, Arthur D., Milford, Mich. Post	753,224	July 19	2654	552	111	611
Benham, Walter P., and J. K. Williamson, Philadelphia, Pa. Tapestry-printing machine	773,461	Oct. 25	4692	992	112	2038
Benjamin, Alfred H., East Orange, N. J. Hose-supporter	759,883	May 17	2567	535	110	611
Benjamin, Bert R., assignor to International Harvester Company, Chicago, Ill. Husk-ing-roll	770,888	Sept. 27	3354	708	112	805
Benjamin, Bert R., and J. W. Fridmore, assignors to International Harvester Company, Chicago, Ill. Corn-harvester	772,452	Oct. 18	2510	550	112	1539
Benjamin Eastwood Company. (See Adsit, George, assignor.)						
Benjamin Eastwood Company. (See Keyworth, William C., assignor.)						
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)						
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.) (Reissue.)						
Benjamin, George H., New York, N. Y. Glass-melting furnace	762,270	June 14	1253	269 270	110	1732
Benjamin, John M., Boston, assignor of one-half to M. E. Knight, South Framingham, Mass. Rotary motor	748,689	Jan. 5	262	60	108	58
Benjamin, John M., New York, N. Y., assignor of one-half to M. E. Knight, South Framingham, Mass. Rotary motor	777,632	Dec. 20	2700	594	113	2048
Benjamin, Joseph P., Kankakee, Ill. Support for tiles, mirrors, &c.	753,842	Mar. 8	1204	283	109	293
Benjamin, Morris, Atlanta, Ga. Pulverizing-mill	760,174	May 17	3200	671	110	754
Benjamin, Peter H. (See Harvey, John, assignor.)						
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket	759,962	May 17	2764	580	110	656
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket	759,963	May 17	2766	580	110	657
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp cluster	760,375	May 17	3547	748	110	831
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp cluster	760,376	May 17	3551	748	110	833
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lamp cluster and switch	767,681	Aug. 16	3121	1652 1653	111	1768
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Weatherproof lamp-socket	768,786	Aug. 30	5435	1145	111	2321
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Subbase for lamp-sockets	768,787	Aug. 30	5438	1145	111	2321
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural lamp-socket. (Reissue.)	12,286	Nov. 22	4793	1016	113	1129
Benjamin, Walter R., St. Louis, Mo. Air-gun	749,519	Jan. 12	2006	417	108	469
Benjamin, Israel, New York, N. Y. Turbine	765,806	July 26	3843	819	111	875
Benkert, William C., Philadelphia, Pa. Boot or shoe holder	750,570	Jan. 26	400	82	108	387
Beun, Charles W., Haskins, Ohio. Engine	762,372	June 14	1897	408	110	1869
Benner, George K. (See Nicodemus, Henry B., assignor.)						
Benner, George K., and H. B. Nicodemus, Allegheny, Pa.; said Nicodemus assignor to said Benner. Combined gas and steam engine	771,601	Oct. 4	751	168	112	1119
Benner, Lorenzo D., Peoria, assignor to Rock Island Plow Company, Rock Island, Ill. Corn-planter	773,705	Nov. 1	329	72	113	79
Benner, Reuben H., Cincinnati, Ohio. Resawing-machine	759,589	May 10	2097	417 418	110	480
Bennethum, George W., Reading, Pa. Score-sheet for bowling-alleys	774,906	Nov. 15	2691	577	113	636
Bennett, Allison D., <i>et al.</i> (See Davis, James T., assignor.)						
Bennett, Arthur E., Buffalo, N. Y. Milk-bottle holder	773,366	Oct. 25	4496	952	112	1997
Bennett, Charles F., Waterloo, Iowa. Telephone-transmitter	748,690	Jan. 5	264	61	108	58
Bennett, Charles W., Elwood, Ind., assignor to American Sheet and Tin Plate Company, Pittsburg, Pa. Sheet-folding machine	755,435	Mar. 22	4336	959 960	109	905
Bennett, Christopher C., New York, N. Y. Milk-server	774,532	Nov. 8	1052	423	113	451
Bennett, Clark H., Chicago, Ill. Reclining chair	778,522	Dec. 27	4099	803	113	2360
Bennett, Dwight W., assignor to W. E. Devlin, Philadelphia, Pa. Water-heater	778,527	Dec. 27	4101	803 804	113	2360
Bennett, Edward. (See Wurts and Bennett.)						
Bennett, Erastus S., New York, N. Y. Bearing for turn-tables or the like	769,460	Sept. 6	611	138	112	146
Bennett, Erastus S., New York, N. Y. Mining machinery	769,461	Sept. 6	643	138	112	147
Bennett, Erastus S., New York, N. Y. Car body and truck	775,641	Nov. 22	4597	908	113	1025
Bennett, Erastus S., New York, N. Y. Dipper for mining machinery	776,105	Nov. 29	5201	1009	113	1240
Bennett, Erastus S., New York, N. Y. Sand-concentrator	777,176	Dec. 13	1108	311	113	1755
Bennett, Ernest H., Colorado Springs, Colo. Manufacture of jewelry	752,816	Feb. 23	3862	866	108	1951
Bennett, Ernest H., East Orange, N. J. Heating apparatus	753,269	Mar. 22	4026	893	109	929
Bennett, Frederick, New York, N. Y., assignor to Hale and Kiburu Manufacturing Company, Philadelphia, Pa. Chair	768,656	June 28	4029	879	110	2374
Bennett, Frederick G., <i>et al.</i> (See Moritz, Adolph, assignor.)						
Bennett, George L., Chicago, Ill. Anesthetic-vapor inhaler	757,013	Apr. 12	1601	348	109	1698
Bennett, George L., Chicago, Ill. Inhaler	759,132	May 3	1111	235	110	253
Bennett, George L., Chicago, Ill. Inhaler for aesthetics	766,867	Aug. 9	1526	319	111	1898
Bennett, George L., Chicago, Ill. Air-pump	775,885	Nov. 22	4751	1007	113	1120
Bennett, H. M. (See Jamison, Nehemiah, assignor.)						
Bennett, Harwell L., Westerville, Ohio. Corn-harvester	755,591	Mar. 22	4605	1023 1024	109	1054
Bennett, James C. (See London, James B., assignor.)						
Bennett, James E., Momenice, Ill. Base-ball catcher	755,309	Mar. 22	3915	865 866	109	905
Bennett, James E., Momenice, Ill. Telephone-climber's seat	758,200	Apr. 26	3967	860	109	2247

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Bennett, James F., and H. S. Moorwood, Sheffield, England. Carbureter for motor-cars, &c.	762,271	June 14	1257	270	110	1734
Bennett, James H., assignor of one-half to D. Altwater, Detroit, Mich. Folding bed	774,148	Nov. 8	1202	256 257	113	288
Bennett, Joseph V., Huntsville, Mo. Artificial arm	767,201	Aug. 9	2202	459	111	1547
Bennett, Marcus A., et al. (See Legge, Joshua D., assignor.)						
Bennett, Russell B., Westerville, Ohio. Fence-post	773,706	Nov. 1	833	73	113	80
Bennett, Thomas F. (See Anspach, Angelus, assignor.)						
Bennett, Thomas G., and W. Mason, assignors to Winchester Repeating Arms Co., New Haven, Conn. Combined percussion and electric primer	753,035	Feb. 23	4323	961	108	2055
Bennett, Walter E., Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Saco, Me. Spool, bobbin, or the like	774,734	Nov. 15	2337	506	113	556
Bennett, William A. (See Irwin and Bennett.)						
Bennett, William B., Grand Rapids, Mich. Clamp	754,962	Mar. 22	3486	762	109	813
Bennett, William H., Chicago, Ill. Brooder	750,335	Jan. 26	3566	772	108	845
Bennett, William S., Leavenworth, assignor of one-third to P. H. Larkin, National Military Home, Kans. Hoisting-machine	771,602	Oct. 4	753	168	112	1120
Bennetts, Benjamin H., Tacoma, Wash. Copper-pouring spoon	753,405	Mar. 1	459	107	109	100
Bennetts, Benjamin H., and L. J. W. Jones, Tacoma, Wash. Slag-car	753,812	May 3	462	92, 93	110	113
Bennie, William, Brownwood, Tex. Cotton-picker	760,413	May 24	3626	766	110	866
Bennington, Wesley H., Kansas City, Kans. Type-writing machine	762,272	June 14	1258	270	110	1734
Bennitt, Joel, assignor of one-half to J. O. Weldon, London, Canada. Sad-iron	749,520	Jan. 12	2008	417	108	470
Benoit, Anatole, J. Guéniffet, and J. Nicaul, Paris, France. Manufacture of pasted tubes for cigarettes	773,367	Oct. 25	4498	952	112	1907
Benroth, Albert. (See Justus, Charles W., assignor.)						
Bensch, Herman, Davenport, Iowa. Journal-box	771,453	Oct. 4	460	104	112	1056
Bensinger, Carl, Mannheim, Germany. Manufacture of combs from celluloid	750,413	May 10	1712		110	408
Bensinger, Moses, assignor to Brunswick-Balke-Collender Company, Chicago, Ill. Compound billiard cloth	767,922	Aug. 16	3583	758	111	1869
Benskin, Alfred W., Maumee, Ohio. Try-square	772,861	Oct. 18	3308	722	112	1712
Benson, Alfred. (See Johnson, Charles, assignor.)						
Benson, Arthur E., Magnolia, Miss., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom	759,854	May 17	2568	536	110	611
Benson, Arthur E., Magnolia, Miss., assignor to Draper Company, Hopedale, Mass. Filling-detecting means for looms	769,679	Sept. 6	1036	223	112	237
Benson, Arthur E., Magnolia, Miss., assignor to Draper Company, Hopedale, Mass. Loom-temple	774,374	Nov. 8	1613	346	113	380
Benson, Arthur E., Magnolia, Miss., assignor to Draper Company, Hopedale, Mass. Filling-end clearer for looms	777,237	Dec. 13	1521	337	113	1780
Benson, Charles. (See Kimball and Benson.)						
Benson, Charles, Cleveland, Ohio. Self-supporting curtain-pole	763,844	June 28	4408	958	110	2456
Benson, Charles C., Newburyport, Mass. Self-adjusting trolley for electric railways	769,462	Sept. 6	644	138	112	147
Benson, Hezekiah A., Bridgeport, Conn. Rotary engine	756,568	Apr. 5	723	150	109	1495
Benson, Loren, and R. De Forest, Fort Atkinson, Wis. Briquetting-machine	752,644	Feb. 23	3536	787	108	1870
Benson, Omar, New Bedford, assignor to Draper Company, Hopedale, Mass. Adjustable back-stop for picker-sticks	775,896	Nov. 22	4752	1007	113	1120
Benson, Simon W., Denver, Colo. Metal window-screen	749,715	Jan. 19	2380	503	108	568
Benson, William W., Philadelphia, Pa. Packing for piston-rods	772,640	Oct. 18	2874	632 633	112	1617
Benson, William W., Philadelphia, Pa. Pressure-regulator	777,064	Dec. 13	1215	265 266	113	1713
Benstead, Thomas. (See Fowler, Benstead, and Pepper.)						
Bent, Frank R., Hartford, Conn. Suppository-molding machine	756,457	Apr. 5	535	111	109	1456
Bent, George P., Chicago, Ill. Piano-protector	755,345	Mar. 22	4175	922	109	961
Bent, George W., Hydepark, Mass. Article of furniture	775,406	Nov. 22	3908	826	113	940
Bentel, Lewis O., assignor of two-thirds to J. M. Petty and W. A. Caven, Pittsburg, Pa. Manufacturing tubes	755,436	Mar. 22	4339	961	109	995
Bentley, Anderton, Toledo, Ohio. Adjustable mold for reinforced concrete constructions	772,308	Oct. 18	2404	527	112	1516
Bentley, Charles S. (See Hanson and Bentley.)						
Bentley, Edward M., Lawrence, N. Y. Electromagnetic gearing	758,293	Apr. 26	4162	898	109	2287
Bentley, Henry. (See Swadick, Judson D., assignor.)						
Bentley, Ira, Glover, Mich. Sugar-beet topper, digger, and screener	760,414	May 24	3627	766	110	866
Bentley, John H., and W. Gregory, Paterson, N. J. Cop-winding machine	772,603	Oct. 18	2894	617 618	112	1602
Bentley, Manton T., assignor of one-half to York Silk Manufacturing Company, York, Pa. Ring-rail motion for spinning-machines	749,521	Jan. 12	2010	417	108	470
Bentley, Manton T., assignor of one-half to York Silk Manufacturing Company, York, Pa. Belt-shifter for spinning-machines	751,894	Feb. 9	2071	468	108	1519
Bentley, Manton T., assignor of one-half to York Silk Manufacturing Company, York, Pa. Feed-roll for spinning-machines	764,980	July 12	2214	458	111	500
Bentley, Manton T., assignor of one-half to York Silk Manufacturing Company, York, Pa. Stop-motion for spinning-machines	774,149	Nov. 8	1204	257	113	289
Bentley, Thomas W. (See Valentine and Bentley.)						
Benton, Arthur B. (See Brett and Benton.)						
Benton, George E., East Hampton, N. Y. Letter-box	749,154	Jan. 12	1226	263	108	301
Benton, George E., East Hampton, N. Y. Cutting-shears	756,818	Apr. 12	1205	299	109	1618
Benton, George H., Metuchen, N. J. Union-nipple clutch	773,462	Oct. 25	4697	922	112	2099
Benton, Lina B., New Brighton, N. Y., assignor to American Type Founders Company. Grinding-machine	774,030	Nov. 1	986	207	113	222
Benton, Roy L. (See Blevins, Benton, and Raymond.)						
Benton, William R. (See Blevins, Benton, and Raymond.)						
Bentote, Joseph R., London, England. Night light or lamp	753,952	Mar. 8	1482	332 68	109	342
Bentson, Hans J., assignor to F. C. Austin, Chicago, Ill. Trenching-machine	750,934	Feb. 2	287	69	108	1121
Bentz, Edward T., et al. (See Baby, Richard, assignor.)						
Bentz, Harry, New York, N. Y. Playing-ball	766,160	Aug. 2	2	1	111	1043
Bentz, Jacob F., Schenectady, N. Y. Combustion-motor	750,336	Jan. 26	3568	773	108	845
Bentz, Jacob F., Schenectady, N. Y. Fluid-motor	750,337	Jan. 26	3570	773	108	846
Bentzon, Malcolm, London, England. Automatic magic-lantern apparatus	775,963	Nov. 29	4936	1041 1042	113	1178
Benx, Frederick, Jr., Haledon, N. J. Narrow-ware loom	763,247	June 21	3328	695	110	2181
Benx, Max, Nashville, Tenn. Folding bedstead	764,414	July 5	1032	210	111	230
Beran, Albert, Hirschwang, Austria-Hungary. Making pulleys	771,696	Oct. 4	932	210	112	1158

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Berbercher and Rowland Manufacturing Company. (See Assel, Jacob, assignor.)						
Berbert, George J., New York, N. Y. Air-brake-operating device	753,114	Feb. 23	4456	990 991	108	2084
Berchmann, Wilhelm, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Blue anthraquinone dye	764,837	July 12	1935		111	439
Berchoud, Joseph, Hesperia, Cal. Tobacco-pipe	754,840	Mar. 15	3261	700	109	747
Berchioux, Eugene, Paris, France. Clarinet of Boehm	750,935	Feb. 2	295	70	105	1122
Berendes, Rudolf, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Sensitizing dyestuff	752,323	Feb. 16	2903		108	1723
Berg Automobile Company. (See Jardine, Robert, assignor.)						
Berg, Elling O., Madison, Minn. Pneumatic stacker	748,575	Jan. 5	17	4	108	7
Berg, Ernst J., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor	775,439	Nov. 22	3848	813 814	113	927
Berg, George W. von, <i>et al.</i> (See Decker, Carl W., assignor.)						
Berg, Henry. (See Gibbs, William E., assignor.)						
Berg, Joseph. (See Campbell and Berg.)						
Berg, M. A., <i>et al.</i> (See Brooks, Howard, assignor.)						
Berg, Ole, Ashcreek, Minn. Paper cylinder-pulley for threshing-machines	732,645	Feb. 23	3538	787	108	1879
Berg, Rudolf, assignor of one-half to F. Wenig, Pittsburg, Pa. Generating motor fluids	751,972	Feb. 9	2250	505	108	1553
Berg, Rudolf, assignor of one-half to F. Wenig, Pittsburg, Pa. Motor-fluid generator	751,973	Feb. 9	2253	506	108	1553
Bergan, James, Granville, New South Wales. Apparatus for automatically lighting or extinguishing street or other gas-lamps	769,529	Sept. 6	736	166	112	174
Bergemann, Henry C., Annan, Scotland. Gas-engine	756,458	Apr. 5	589	112 113	109	1457
Berger, Alfred A. R. (See Kalb and Berger.)						
Berger, Charles L., Richmond, Ind., assignor of one-half to R. Morrow, Minneapolis, Minn. Pneumatic seat	750,571	Jan. 25	4012	867	108	937
Berger, George, <i>et al.</i> (See Davis and Pugh, assignors.)						
Berger, George. (See Rettich and Berger.)						
Berger, Henry J., Chicago, Ill. Transfer	770,998	Sept. 27	3567	751	112	855
Berger Manufacturing Company. (See Langenbach, Edward A., assignor.)						
Berger Manufacturing Company. (See Mallory, Elwyn A., assignor.)						
Berger Manufacturing Company. (See McKenzie, Angus, assignor.)						
Berger Manufacturing Company. (See Schlafly, Julius H., assignor.)						
Berger, Meyer. (See Horvath, George, assignor.)						
Berger, Otto, Galveston, Tex. Insecticide apparatus	772,776	Oct. 18	3161	687	112	1678
Berger, Paul E., Chicago, Ill. Coin-controlled machine	763,040	June 21	2820	611 612 613	110	2090
Berger, Walter F. B., assignor to American Bauxite Company, Little Rock, Ark. Refractory brick	775,887	Nov. 22	4753		113	1121
Bergeron, Jay P., Pueblo, Colo., assignor to Twentieth Century Shoe Lace Hook Co. Shoe-lace hook	777,177	Dec. 13	1410	312	113	1756
Bergeron, Joseph A., and L. Charlette, Woonsocket, R. I. Machine for inserting ribbon into lace	776,379	Nov. 20	5721	1210 1211	113	1390
Bergersen, Carl A., Palmerston North, New Zealand. Appliance for raising or lowering window-sashes	775,122	Nov. 15	3131	665	113	738
Bergfield, Frederick R., Anabel, Mo. Wireless corn-planter attachment	765,352	July 19	2912	608	111	666
Berggreen, Andrew P., Elkhorn, Iowa. Combination-tool	776,987	Dec. 6	1050	227	113	1660
Bergh, Olai O., Volga, S. D. Clevis	778,008	Dec. 20	3243	713	113	2156
Berghoefer, Charles, Chicago, Ill. Conveyor system	755,606	Mar. 29	4647	1032 1033	109	1076
Berghof, August A., Newark, N. J., assignor to George A. Ohl & Co. Machine for shearing metal	765,953	July 26	4100	876	111	933
Berghof, August A., and F. W. Theberath, Newark, N. J., assignors to George A. Ohl & Co. Draw-clamp for draw-benches	763,710	June 28	4143	903	110	2399
Berghof, August A., and F. W. Theberath, Newark, N. J., assignors to George A. Ohl & Co. Draw-clamp for draw-benches	763,711	June 28	4146	904	110	2400
Berglund, Carl, and W. H. Dowd, Boston, Mass. Piano-action	767,730	Aug. 16	3313	639	111	1813
Berglund, Henrik, Stockholm, Sweden. Rotary engine	754,411	Mar. 15	2401	525 526	109	559
Berglund, Johan E., San Francisco, Cal. Musical instrument	757,251	Apr. 12	2062	450	109	1799
Berglund, John, Arvika, Sweden. Reaping-machine	763,712	June 28	4149	901	110	2401
Berglund, Otto R. P., and B. O. W. Hesselman, Stockholm, Sweden. Friction-gearing	757,014	Feb. 12	1602	340	109	1688
Bergman, Augusta A., Stockholm, Sweden. Photograph-table	752,817	Feb. 23	3803	866	108	1351
Bergman, John, Des Moines, Iowa. Street-reflector attachment for windows	774,131	Nov. 1	1173	251	113	265
Bergman, Louis F., New York, N. Y. Lamp chimney or globe	758,955	May 3	752	149	110	174
Bergmann, Christian N. (See Schuster and Bergmann.)						
Bergmann-Elektricitäts-Werke, Aktiengesellschaft. (See Zahikjanz, Gabriel, assignor.)						
Bergmann, Emil. (See Seck, Willy, assignor.)						
Bergmark, Charles O., Chisholm, Minn. Shears	777,366	Dec. 13	1769	393	113	1894
Bergstrom, Carl J. (See Wiersching and Bergstrom.)						
Bergstrom, Charles, Lindstrom, Minn. Saw-clamp	762,677	June 14	2092	454	110	1912
Berk, Fred H., <i>et al.</i> , executors. (See Deuser, Henry P.)						
Berkelbach, William H. (See George, Henry C., assignor.)						
Berkeley, William J., Hamilton, Canada, assignor to International Harvester Company, Chicago, Ill. Harvester-reel support	773,913	Nov. 1	769	160 161	113	177
Berkey, Harvey E., Monongahela, Pa. Fastening device	752,372	Feb. 16	2991	667	108	1743
Berkey, John L., and N. A. McKee, Huntington, W. Va. Convertible valve	770,154	Sept. 13	1907	406	112	446
Berkheiser, John R., Shamokin, Pa. Pipe-wrench	761,392	May 31	5537	1180	110	1898
Berkley, Henry J., Baltimore, Md. Nut-lock	750,796	Feb. 2	29	6	108	1063
Berkley, Henry J., assignor of one-half to C. F. Corning, Baltimore, Md. Nut-lock	775,100	Nov. 15	3078	654	113	727
Berlin Machine Works. (See Ross, Harry B., assignor.)						
Berlin-Neuroder Kunstanstalten Aktiengesellschaft. (See Budwig, Dagobert, assignor.)						
Berlzheimer, David T., Philadelphia, Pa. Cone for yarn	778,003	Dec. 20	3063	674	113	2120
Bermont, Victor, Paris, France. Producing hydrated sulfid of zinc	751,712	Feb. 9	1707		108	1439
Bernard, Alfred F., Chicago, Ill. Dumping-car	768,024	Aug. 23	3838	802 803	111	1943
Bernard, Leopold, New York, N. Y. Needle-threading attachment for sewing-machines	751,827	Feb. 9	1946	442	108	1491
Bernard, Oscar, assignor, by mesne assignments, of one-fourth to A. H. Manning, San Francisco, Cal. Machine for cutting bread	754,040	Mar. 8	1638	364 365	109	377
Bernard, Philip, <i>et al.</i> (See Melvin and Brusseau, assignors.)						
Bernard, William A., assignor to William Schollhorn Company, New Haven, Conn. Pliers	753,234	Mar. 1	17	4	109	6

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Bernard, William A., assignor to William Schollhorn Company, New Haven, Conn. Punch	764,336	July 5	862	176	111	189
Bernard, William A., assignor to William Schollhorn Company, New Haven, Conn. Punch	765,954	July 26	4103	877	111	984
Bernardi, William J., Pittsburg, Pa. Towel-holder	765,162	July 19	2553	533	111	588
Bernardin, Alfred L., Evansville, Ind. Bottle-cap	760,340	May 17	3419	721	110	808
Bernays, Augustus C., St. Louis, Mo. Surgical retainer	749,811	Jan. 19	2572	547	106	610
Berner, Nils A., Sparrows Point, Md. Pipe-joint for floating dry-dock pontoons	762,372	June 21	2320	546	110	2023
Bernert, George, <i>et al.</i> (See Merkel, George, assignor.)						
Bernert, Jacob, <i>et al.</i> (See Merkel, George, assignor.)						
Bernhard, Michael J., Buffalo, N. Y. Coil-support for liquid-coolers	772,081	Oct. 11	1751	390	112	1350
Bernheim, Samuel, New York, N. Y. Gas-fixture	755,346	Mar. 22	4176	922	109	961
Bernheimer, Elsworth, <i>et al.</i> (See Bloomqvist, Fredrik J., assignor.)						
Bernhimer, Lewis, <i>et al.</i> (See Bloomqvist, Fredrik J., assignor.)						
Bernier, Arthur, Salem, assignor to J. C. Thibault, Lawrence, and T. Gagnon, Salem, Mass. Bow-facing oar	765,373	July 19	2945	616	111	673
Berns, Andrew H. and O. G., Chebanse, Ill. Folding carrier-frame	762,979	June 21	2705	587 588	110	2065
Berns, Otto G. (See Berns, Andrew H. and O. G.)						
Bernsau & Uellenberg. (See Mühlinghaus, Ernst, assignor.)						
Bernstein, Joseph, New York, N. Y. Necktie-fastening	771,038	Sept. 27	3652	769	112	871
Bernstein, Nathan. (See Rüböl, Walter, assignor.)						
Bernstein, R. Alex. (See Simpson, Beatrice, assignor.)						
Bernstein, Samuel, New York, N. Y. Water-heater	758,347	Apr. 26	4278	919	109	2315
Bernstrom, Emil. (See Edlund, Claus A., assignor.)						
Bernstrom, John, <i>et al.</i> (See Berrigan, John J., assignor.)						
Berquist, Eric, <i>et al.</i> (See Magnuson, August, assignor.)						
Berquist, John E., <i>et al.</i> (See Magnuson, August, assignor.)						
Berrenberg, Reinhold. (See Drisko and Berrenberg.)						
Berriag, John J., East Orange, N. J. Centrifugal machine	750,080	Jan. 19	3088	604	108	719
Berrigan, John J., Orange, N. J., assignor to De Laval Separator Company. Centrifugal cream-separator	756,330	Apr. 5	251	52	109	1397
Berrigan, John J., Orange, N. J., assignor to De Laval Separator Company. Regulating device for cream-separators	775,467	Nov. 22	3987	841	113	956
Berrigan, John J., Orange, N. J., assignor to De Laval Separator Company. Discharge-regulating device for separators	775,510	Nov. 22	3941	826	113	940
Berrigan, John J., Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Centrifugal machine	750,079	Jan. 19	3086	603 604	108	719
Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Centrifugal machine	774,821	Nov. 15	2510	541	113	595
Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Apparatus for extracting precious metal from ores	775,414	Nov. 22	3791	802	113	915
Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Centrifugal separator	775,415	Nov. 22	3794	802 803	113	915
Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Extracting precious metal from ores	775,509	Nov. 22	3984	841	113	956
Berry, A. Hun. (See Hansen, Thvald, assignor.)						
Berry Aerial Navigation Company. (See Berry, John, assignor.) (Reissue.)						
Berry, Benjamin F., assignor to Any Size Envelope & Manufacturing Company, St. Louis, Mo. Envelope-machine	777,588	Dec. 13	2217	486 487	113	1931
Berry, Charles R. (See Ericson, Berry, and Hoge.)						
Berry, Christopher, Greensburg, Pa. Machine for forming taps, dies, or the like	760,301	May 17	3420	722	110	803
Berry, Cyrus M. and I. C. Putnam, Orlando, Fla. Tent for shading tobacco or the like	751,713	Feb. 9	1703	388	108	1440
Berry, Francis A., Cambridge, assignor of one-half to P. R. Rideout, Boston, Mass. Stereotype-block	764,517	July 5	1248	256	111	273
Berry, Francis A., Medford, assignor to Typoalyn Company, Boston, Mass. Stereotype-block	772,453	Oct. 18	2517	552	112	1541
Berry, Frank S., Northbridge, Mass. Sheddng mechanism for looms	763,086	June 21	2918	629	110	2111
Berry, Henry, Shelton, assignor to International Silver Company, Meriden, Conn. Mirror	765,873	July 26	3957	845	111	901
Berry, James M., assignor of one-half to C. Witzgall, Huntington, W. Va. Device for curing animals from lolling their tongues	771,226	Oct. 4	12	3	112	963
Berry, James W., Iowa City, Iowa. Wire fence	762,019	June 7	780	161	110	1610
Berry, John, Berryville, Tenn. Axle-nut	774,150	Nov. 8	1207	257	113	289
Berry, John, St. Louis county, Mo., assignor to Berry Aerial Navigation Company. Air-ship. (Reissue.)	12,250	July 26	4541	970	111	1027
Berry, John E., Monongahela, Pa. Glass-drawing machine	763,353	June 28	3454	746	110	2252
Berry, John E., Monongahela, Pa. Glass-furnace	767,373	Aug. 16	2510	520	111	1631
Berry, Joseph E., Cartersville, Mo. Brake	767,258	Aug. 9	2298	481 482	111	1569
Berry, Seneca L., assignor to Arizona & Sonora Manufacturing Company, Nogales, Ariz., Ter. Engine valve-gear	762,377	June 14	1475	321 322	110	1770
Berry, Sparks M., Los Angeles, Cal. Sash-fastener	769,374	Sept. 6	477	106	112	109
Berryman, William J., Tyner, N. C. Wrench	752,510	Feb. 16	3249	724	108	1738
Bertsels, Charles E., Wilkesboro, Pa. Vespider	749,019	Jan. 5	930	197	108	216
Berthelot, George H., Bayonne, N. J. Apparatus for winding wire onto spools or shuttles	761,283	May 31	5399	1149	110	1268
Bertholf, Psalm T., Loch Sheldrake, N. Y. Horseshoe-calk	774,031	Nov. 1	990	207	113	224
Berthoud, Henri, Neuchatel, Switzerland. Contact device for electrically-propelled	753,536	Mar. 1	618	140	109	135
Berthoud, Ray J., Swanton, Ohio. Wrench	763,590	June 28	3906	849	110	2248
Bertling, Wilhelm, Berlin, Germany. Street-railway rail	765,764	July 26	3737	798	111	854
Bertolett, Morris, Schuylkill Haven, Pa. Nut-lock	767,099	Aug. 9	1993	415	111	1503
Bertolini, Vincent, assignor to F. A. Hardy & Co., Chicago, Ill. Eyeglasses	766,096	July 26	4396	941	111	995
Bertram, David N., and S. Milne, Edinburgh, Scotland. Machine used in the manufacture of paper	764,032	July 5	228	43	111	55
Bertram, Lawrence A., Allegheny, Pa. Water-gate	754,963	Mar. 22	3487	763	109	814
Bertrand, Bert. (See Carolan, Michael T., assignor.)						
Bertrand, Charles A., Loogootee, Ind. Trace-holder	755,099	Mar. 22	3714	815	109	864
Bertrand, Marius, Grigny, France. Drying apparatus	769,643	Sept. 6	938	208	112	219
Béribé, Joseph, Cajetan, St. Damase, Canada. Self-propelled vehicle	754,635	Mar. 15	2846	621	109	655
Berwick, Frank G., and S. Hadfield, Lawrence, Mass. Wool-combing machine	764,791	July 12	1835	375	111	418
Beseler, Ernst, Crefeld, Germany. Door-securer	765,658	July 26	3538	745	111	814
Besly, Charles H. (See Brown, Taylor E., assignor.)						
Besr, Albert, Hamilton, Ohio. Slitter-grinder	766,927	Aug. 9	1662	348	111	1490
Besson, Jules A., Caen, France. Continuously producing and rectifying chloral	774,151	Nov. 8	1208	258	113	290

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Bessonnet, George C., Channing, Tex. Non-refillable bottle.....	749,604	Jan. 12	2149	448	108	503
Bessonnet, George C., Channing, Tex. Tooth-cleaning implement.....	749,841	Mar. 15	3262	709	109	747
Best, Clarence L. (See Best, Daniel, assignor.)						
Best, Daniel, San Leandro, Cal. Water-purifying apparatus for steam-boilers.....	773,915	Nov. 1	772	162	113	178
Best, Daniel, San Leandro, Cal. Steam-boiler.....	773,916	Nov. 1	773	162	113	178
Best, Daniel, San Leandro, Cal. Traveling harvester.....	776,167	Nov. 29	5322	112	113	1269
Best, Daniel, assignor to C. L. Best, San Leandro, Cal. Steam-boiler.....	773,914	Nov. 1	771	162	113	177
Best, Edward, Superior, Wis. Car-replacer.....	754,915	Mar. 15	3383	740	109	773
Best, Ezra, <i>et al.</i> (See Best, William N., assignor.)						
Best, John H., <i>et al.</i> (See Best, William N., assignor.)						
Best, John H., Jr., Sandusky, Ohio. Trolley-protector.....						
Best, Joseph R., Dow City, Iowa. Lifting-jack.....	761,574	May 31	5933	1272	110	1389
Best, Peter, Elizabeth, N. J. Car-fender.....	765,353	July 19	2913	609	111	666
Best, Samuel T., Louisville, Ky. Air-ship.....	775,287	Nov. 15	3514	740	113	832
Best, William N., assignor, by mesne assignments, to W. N. Best International Calorific Company, Los Angeles, Cal. Hydrocarbon-burning apparatus.....	762,273	June 14	1261	271	110	1735
Best, William N., assignor to W. N. Best International Calorific Company, Los Angeles, Cal. Furnace.....	752,195	Feb. 16	2636	585	108	1663
Best, William N., assignor of one-half to W. A. Cooper, Los Angeles, Cal. Tubular fire-box for steam-boilers.....	761,624	May 31	6027	1294	110	1409
Best, William N., assignor to J. H. and E. Best, Quincy, Ill. Automatic adjustable-wedge journal-bearing.....	778,165	Dec. 20	3371	742	113	2186
Bethea, Samuel J., Latta, S. C. Feed-trough.....	774,132	Nov. 1	1175	251	113	266
Bethel, John T. (See Watkins and Bethel, assignors.)	763,951	July 5	5	2	111	3
Bethel, Walter C. (See Watkins and Bethel.)						
Bethge, Andrew E., Omaha, Neb. Can-opener.....	771,697	Oct. 4	933	210	112	1159
Bethlehem Steel Company. (See Hughes, Frederick G., assignor.)						
Bethlehem Steel Company. (See Meigs and Gathmann, assignors.)						
Bethlehem Steel Company. (See Meigs and Hammar, assignors.)						
Bethlehem Steel Company. (See Meigs and Jakobson, assignors.)						
Bethlehem Steel Company. (See Meigs and Stout, assignors.)						
Bethlehem Steel Company. (See Philip, Casimir, assignor.)						
Bethmann, Fritz. (See Schmidt and Bethmann.)						
Bethune, Alexander C., Biscoe, N. C. Superheater.....	759,064	May 3	942	191	110	215
Bethune, Walter M., assignor of one-half to B. M. Hall, Talbotton, Ga. Safety attachment for gun.....				192		
Bettendorf, Heinrich, and J. M. Bier, Frankfort-on-the-Main, Germany. Type-writing machine.....	772,495	Oct. 18	2610	575	112	1560
Bettendorf, Joseph W., Davenport, Iowa. Felly for wheels.....	754,949	Mar. 22	3489	764	109	814
Bettendorf Metal Wheel Company. (See Einfeldt, Emil, assignor.)	764,549	July 12	1241	272	111	311
Bettendorf, William P., Davenport, Iowa. Sill for the underframes of cars. (Reissue.)						
Bettendorf, William P., Davenport, Iowa. Underframe for cars.....	12,282	Nov. 1	1193	254	113	270
Bettis, Frank W., Albion, N. Y. Mailing-tube.....	774,975	Dec. 15	2832	604	113	669
Bettmann, Charles F., and J. Zapp, New Albany, Ind. Wire-support.....	777,771	Nov. 20	2559	566	113	2020
Betts, Anson G., Troy, N. Y. Accumulating and using electrical energy.....	770,999	Sept. 27	3569	732	112	855
Betts, Anson G., Troy, N. Y. Electric storage battery.....	759,065	May 3	944	192	110	215
Betts, Charles L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lamp or lantern.....	759,066	May 3	942	191	110	216
Betts, Franklin T., Defiance, Ohio. Adding-machine.....	765,696	July 26	3598	765	111	826
Betts, William C., Seymour, Ind. Ice-cream cutter or scraper.....	776,582	Dec. 6	321	51, 52	113	1480
Betz, Charles, and P. Seibel, St. Louis, Mo. Dough-cooking machine.....	753,433	Mar. 8	1265	283	109	293
Beulin, Achille, Abbeville, France. Spring-support for velocipedes or the like.....	754,778	Mar. 8	2084	462	109	473
Bourrier, Alexis, Montigny, France. Apparatus for raising fluids by solar heat.....	764,415	July 5	1085	211	111	230
Beury, Julia A., Beury, W. Va. Radiator-support.....	776,106	Nov. 29	3204	1099	113	1241
Beury, Julia A., Beury, W. Va. Egg-poacher.....	751,828	Feb. 9	1949	442	108	1491
Beust, Anton von, Orange, N. J. Reproducing multicolor pictures, &c.....	755,437	Mar. 22	4342	962	109	996
Beutler, Frederick, Manchester, Mich. Automatic grain-measurer.....	758,501	Apr. 26	4578	983	109	2384
Bevan, Ellwood, <i>et al.</i> (See Schauman, Bror M., assignor.)	773,707	Nov. 1	336	73	113	80
Bevan, Eustace, Pekin, Ind. Rural free-delivery mail-box.....						
Bevan, William S., New York, N. Y. Eye-shade.....	761,938	June 7	647	130	110	1582
Bevans, Martin J., New York, N. Y. Combined check-holder and match-plate.....	762,121	June 7	970	201	110	1647
Bevans, William H., Bridgeport, Conn., assignor to American & British Manufacturing Company, New York, N. Y. Subcaliber attachment.....	772,205	Oct. 11	2007	442	112	1406
Bevans, William H., Bridgeport, Conn., assignor to American & British Manufacturing Company, New York, N. Y. Ordnance.....	754,412	Mar. 15	2408	526	109	559
Bever, Abraham, Stella, Nebr. Vehicle-shaft.....	775,793	Nov. 22	4576	970	113	1063
Beveridge, Robert. (See McKerchar and Beveridge.)	774,032	Nov. 1	991	207	113	224
Bever, Henry R., Grand Rapids, Mich. Variable-speed and reversing gear.....	754,738	Mar. 15	3057	667	109	703
Beyer, Philip H., New York, N. Y. Reinforced terra-cotta partition.....	762,678	June 14	2023	455	110	1912
Bévilard, Edward P., Rome, N. Y. Detachable handle for umbrellas.....	750,046	Jan. 19	3019	646	108	76
Bevin Brothers Manufacturing Company. (See Arnold, Philip C., assignor.)						
Bewick, William W., Elyria, Ohio. Underwaist.....	758,892	May 3	634	125	110	149
Beyer, Alois, Chicago, Ill. Watchman's clock.....	755,100	Mar. 22	3715	816	109	864
Beyer, Clarence G., Leesdale, Pa. Beyer, executor. Harness-buckle.....	762,120	June 7	968	200	110	1647
Beyer, Franz J. (See Heise, Charles J., assignor.)						
Beyer, Otto S., East Rutherford, N. J., assignor to E. W. Bliss Company. Ring-making machine.....	778,472	Dec. 27	4005	871	113	2339
Beyer, Philip, executor. (See Beyer, Clarence G.)				872		
Beyer, Theodore, St. Louis, Mo. Piano-action.....	760,377	May 17	3555	748	110	834
Beyerlein, Angelo, Stuttgart, Germany. Keyboard for type-writing machines.....	750,572	Jan. 26	4013	858	108	937
Beyerlein, Angelo, Stuttgart, Germany. Type-writer.....	750,573	Jan. 26	4015	868	108	938
Beyerlein, Angelo P., Stuttgart, Germany. Tabulating device for type-writing machines.....	750,583	Jan. 26	3572	774	108	846
Bezer, Henry, Westfield, N. J. Railway signaling system.....	754,362	Mar. 8	2227	497	109	502
Bezer, Henry, Westfield, N. J. Railway signaling system.....	754,363	Mar. 8	2255	499	109	508
Biber, Wilhelm, Berlin, Germany, assignor of one-half to I. Wiesbader, New York, N. Y. Bread.....				500		
Biberfeld, Arthur, Berlin, Germany. Building-block of crystals.....	778,166	Dec. 20	3374	-----	113	2185
Bicalky, Charles H., Oneida, N. Y. Wheel.....	777,589	Dec. 13	2222	487	113	1932
	756,519	Apr. 12	1206	269	109	1618

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Dickel, Henry F., Plainfield, N. J., assignor to New York Air Brake Company. Lubricator.	769,206	Sept. 6	126	31	112	29
Dickelhaupt, George. (See Anscutz, Paul, assignor.)						
Bicket, Frank A., Tracer, Iowa. Twine-holder and tension device for harvesters.	750,574	Jan. 26	4016	868	108	998
Bickford, Dana, West Medford, Mass. Vegetable pulp or compound.	752,022	Feb. 16	2336		108	1595
Bickford, Frederick W., Rochester, N. Y. Garment-supporter.	772,777	Oct. 18	3162	687	112	1678
Bickford, Harold D. and R. C., Waterville, Me. Plate-box.	757,340	Apr. 19	2669	585	109	1942
Bickford, Ralph C. (See Bickford, Harold D. and R. C.)						
Biddle, George H. (See Halstead and Chandler, assignors.)						
Bittel, Ernst, Milwaukee, Wis. Magnesia cement composition.	757,252	Apr. 12	2063		109	1799
Bidwell, Charles H., Batavia, N. Y. Threshing-machine.	766,161	Aug. 2	3	1	111	1043
Bidwell, George A., Pittsfield, Mass. Acetylene-gas generator.	757,875	Apr. 19	3322	719	109	2086
Bidwell, Walter, Plain City, Ohio. Hog-holding implement.	750,797	Feb. 2	30	6	108	1064
Bieberstein, Samuel A., assignor to Schmitz & Shroder, St. Louis, Mo. Trousers.	749,605	Jan. 12	2151	448	108	503
Biegel, Henry. (See Elsner, Joseph, assignor.)						
Bieger, Charles, Chicago, Ill. Coil-protector.	751,776	Feb. 9	1835	417	108	1464
Bienler, Martin L., assignor of one-half to J. K. Boak, Hughesville, Pa. Pipe-wrench.	777,772	Dec. 20	2560	567	113	2520
Bielefeldt, Max, Berlin, Germany. Priming composition.	751,605	Feb. 9	1517		108	1400
Biele, John E., assignor to H. S. Swann, Blue Rapids, Kans. Single-row cultivator.	761,027	May 24	4890	1037	110	1141
Bieman, Philip H., assignor of one-half to M. J. Mahoney, Chicago, Ill. Fish-plate.	771,119	Sept. 27	3815	806	112	909
Bienenstock, David J., Brooklyn, N. Y. Drinking-fountain.	755,438	Mar. 22	4313	962	109	996
Bienhoff, Henry A., St. Paul, Minn. Cart.	758,126	Apr. 26	3828	831	109	2216
Bier, Julius M. (See Bettendorf and Bier.)						
Bierbaum, Christopher H., Buffalo, N. Y. Alloy.	778,908	Dec. 27	3853		113	2306
Bierich, Johann G., Menkenhof, near Lievenhof, Russia. Bobbin.	773,185	Oct. 25	4133	873	112	1919
Bierley, Henry A., Portsmouth, Ohio. Churn.	751,371	Feb. 2	1108	351	108	1293
Bierley, Henry A., Portsmouth, Ohio. Washing-machine.	766,097	July 26	4398	942	111	996
Biersach, Louis, Freeport, Ill. Fish-hook.	772,333	Oct. 18	2269	497	112	1486
Biersach, Max E., Milwaukee, Wis. Combined bottle opener and stopper.	760,097	May 17	3033	632	110	718
Bierwinz, Alfred, Lüssum-Ebbon, Germany. Drawing-frame for textile fibers.	755,347	Mar. 22	4178	923	109	961
Biette, Henry C., Toronto, Canada, assignor to Press Novelty Company, Buffalo, N. Y. Machine for imprinting pencils, &c.	774,822	Nov. 15	2512	542	113	595
Bif, Auguste H., Boisguillaume, near Rouen, France. Portable machine capable of bending or molding sheet-zinc.	753,844	Mar. 8	1266	284	109	293
Bigelow, Chauncey S., and W. G. Hullhorst, Toledo, Ohio. Cabinet.	775,594	Nov. 22	4195	884	113	1003
Bigelow, Claude, assignor to J. C. Curtiss, Chicago, Ill. Coin-operated vending-machine.	771,294	Oct. 4	144	32, 33	112	992
Bigelow, George E., assignor to Morgan Spring Company, Worcester, Mass. Upholstery-spring and means for supporting same.	749,155	Jan. 12	1227	263	108	301
Bigelow, George E., assignor to Morgan Spring Company, Worcester, Mass. Spring-support.	767,374	Aug. 16	2511	526	111	1631
Bigelow, George E., assignor to Morgan Spring Company, Worcester, Mass. Support for upholstery-springs.	767,375	Aug. 16	2513	527	111	1631
Bigelow, George H., Honolulu, Hawaii. Hair-pin.	762,132	June 7	970	201	110	1647
Bigelow, John, Minneapolis, Minn. Filled-back-sewing machine.	756,569	Apr. 5	726	157	109	1416
Bigelow, Kennard & Co. (See Cunningham, Frank R., assignor.)						
Bigger, Richard F. (See Beisel, Charles E., assignor.)						
Bigin, John, Sheffield, England. Safety-razor.	753,036	Feb. 23	4325	961	108	2055
Bighouse, Henry H., assignor to Aultman Company, Canton, Ohio. Conveyor.	770,155	Sept. 13	1909	407	112	447
Bighouse, Henry H., assignor to Jeffrey Manufacturing Company, Columbus, Ohio. Car-dumping apparatus.	776,009	Nov. 29	5027	1060	113	1202
Bigнал and Keeler Manufacturing Company. (See Shaw, William, assignor.)						
Bigwood, Joshua, Wolverhampton, England. Railway or tramway rail.	767,729	Aug. 16	3201	673	111	1787
Bijur, Joseph, New York, N. Y. Plate for storage batteries.	751,046	Feb. 2	484	113	108	1165
Bijur, Joseph, New York, N. Y. Making storage-battery plates.	757,718	Apr. 19	3016	655	109	2020
Bijur, Joseph, New York, N. Y. Apparatus for casting battery-plates.	757,719	Apr. 19	3017	656	109	2020
Bijur, Joseph, New York, N. Y. Casting-machine.	757,720	Apr. 19	3019	657	109	2020
Bijur, Joseph, New York, N. Y. Apparatus for casting open-work structures.	757,721	Apr. 19	3023	658	109	2021
Bilby, John E., and R. R. Ketter, Skidmore, Mo. Wagon-body.	751,045	Feb. 2	482	113	108	1164
Bildt, Carl W., Stockholm, Sweden. Apparatus for the continuous feeding and distributing of material in gas producers, furnaces, &c.	770,491	Sept. 20	2587	548	112	618
Biles, John W., Louisville, Ky. Rotary steam-drier.	766,868	Aug. 9	1527	319	111	1399
Bilgram, Hugo. (See Hoffman, George A., assignor.)						
Bilgram, Hugo, Philadelphia, Pa. Gear-cutting machine.	749,006	Jan. 12	2151	449	108	504
Bilgram, Hugo, Philadelphia, Pa. Shaping gear-teeth.	749,008	Jan. 12	2303	487	108	534
Bilisoly, Charles F., Portsmouth, Va. Collar for lamps.	751,245	Feb. 2	895	204	108	1247
Billig, Ernest T., New York, N. Y. Telephone.	751,829	Feb. 9	1919	442	108	1491
Billia, Charles E., Chicago, Ill. Steam-hammer.	754,636	Mar. 15	2848	443	109	655
Billings, Charles G., Eau Claire, Wis. Corn-husker.	750,426	Jan. 29	3721	803	108	879
Billings, Frederic C. (See Johnson, Daniel E., assignor.)						
Billings, Frederic C., Macon, Mo. Drawer-guide.	768,927	Aug. 30	5735	1205	111	2389
Billings, Frederic C., Macon, Mo. Flange.	770,889	Sept. 27	3356	798	112	806
Billings, Frederic C., Macon, Mo. File.	773,463	Oct. 25	4698	993	112	2099
Billings, Henry. (See Phelps and Billings.)						
Billingsley, Thomas, &c. (See Hachmann, Frederick, assignor.)						
Billingsley, Thomas L., et al. (See Hachmann, Frederick, assignor.)						
Billington, Runa D., Oil City, Pa. Track-gage.	770,213	Sept. 13	2028	427	112	473
Billman, Gustus S., Indianapolis, Ind. Gas-engine starter.	768,506	Aug. 23	4847	1016	111	2173
Billme, John F., Erie, Pa. Cook-stove.	769,737	June 14	1899	409	110	1809
Billmeyer, Byron B., Wardsville, W. Va. Folding back-rest.	754,536	Mar. 15	2667	579	109	619
Billow-Lupfer Company. (See Steinhoff, Otto C., assignor.)						
Bills, Walter, South Melbourne, Victoria, Australia. Coiler for wire-weaving machines.	754,118	Mar. 8	1701	399	109	412
Billy, Joseph, and F. A. Beaudoin, Manchester, N. H. Trunk-guard.	749,522	Jan. 12	2012	418	108	471
Bilson, Christian F., Chicago, Ill. Pump-operating mechanism.	768,650	Aug. 30	5175	1088	111	2263
Bing, Siegfried M., Chicago, Ill. Ham-branding apparatus.	762,679	June 14	2095	455	110	1913
Bingay, Robert V., et al. (See McCurdy, Charles B., assignor.)						
Bingenheimer, Albert F., Milwaukee, Wis. Angling device.	764,171	July 5	532	103	111	115
Bingham, Ernest E., St. Lawrence, S. D. Curtain-pole.	762,873	June 21	2321	546	110	2024

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Bingham, George W., New York, N. Y., assignor to Singer Manufacturing Company. Tuck-folder for sewing-machines.....	764,879	July 12	2007	414	111	456
Bingham, James A., Lebanon, Okla., Ter. Attachment for double-disk grain-drills.....	750,839	Jan. 26	3572	774	108	846
Binghenheimer, Albert F. (See Hurlbut, George K., assignor.)						
Bingley, John W., Watertown, N. Y., assignor to New York Air Brake Company. Air-brake.....	761,651	June 7	35	6	110	1444
Binkert, Damon A. (See Hart and Binkert.)						
Binner, Charles S., deceased, Malden; S. E. Binner, administratrix, assignor to C. S. Binner Corporation, Boston, Mass. Manifold-book holder.....	758,813	May 3	463	93	110	113
Binner, Stella E., administratrix. (See Binner, Charles S.)						
Binns, David, Camphase, Ohio. Corn-harvester.....	775,964	Nov. 29	4934	1042 1043	113	1179
Binns, James R., assignor of one-half to R. F. Morse, Providence, R. I. Wood-turning machine.....	749,894	Jan. 19	2723	532	108	644
Binns, Robert, South Windham, Conn. Paper-making apparatus.....	775,511	Nov. 22	3990	842	113	957
Binns, Robert, South Windham, Conn. Tube or spool making apparatus.....	775,512	Nov. 22	3992	842 843	113	958
Binns, Robert, South Windham, Conn. Pulp web and spool.....	775,513	Nov. 22	3997	843	113	959
Binns, Robert, South Windham, Conn. Spool rolling and finishing apparatus.....	775,514	Nov. 22	3998	844	113	959
Bioly, Charley, assignor of three-fourths to H. A. Tagatz, Beaver, Wis. Tubular boiler. Bioplasm Company (See Wise, Peter M., assignor.)	768,016	July 26	4242	906	111	963
Birch, George A., Rensselaer, N. Y. Snow-scraper.....	771,603	Oct. 4	754	168	112	1120
Birch, James H. (See Davis and Birch.)						
Bircher, Eugene A., Rochester, N. Y. Label for round boxes.....	751,047	Feb. 2	486	114	108	1165
Birchfield, Nathan L., Bowden, Ala. Velocipede.....	749,895	Jan. 19	2726	533	108	644
Bird, Charles S., and P. R. Allen, assignors to F. W. Bird & Son, East Walpole, Mass. Means for attaching flexible roofing material to car-roofs.....	761,138	May 31	5117	1086	110	1207
Bird, Frederic W., Winthrop, Mass. Display-card holder.....	777,658	Dec. 20	2360	518	113	1976
Bird, John, assignor to Camden Anchor-Rockland Machine Company, Rockland, Me. Boom-swinging machine.....	748,691	Jan. 5	265	61	108	50
Bird, Lillian A. W., London, England. Rope for folding carts.....	751,452	Feb. 9	1240	293	108	1339
Bird, Milton W., Seattle, Wash. Rail-lubricator.....	763,537	June 28	3513	825	110	2328
Bird, Percival D., Louisville, Ky. Game.....	757,434	Apr. 19	2449	535	109	1896
Bird & Son, F. W. (See Bird and Allen, assignors.)						
Bird & Son, F. W. (See Wyman, George R., assignor.)						
Birdsall, William H., assignor to A. V. Brower, Utica, N. Y. Running-gear.....	765,955	July 26	4105	877	111	934
Birkedal, Henrik, Stavanger, Norway. Lock.....	774,823	Nov. 15	2515	542	113	596
Birkeland, Kristian, Christiania, Norway. Electromagnetic gun.....	754,637	Mar. 15	2850	624	109	655
Birkeland, Kristian, Christiania, Norway. Electrically treating gases.....	772,862	Oct. 18	3809	722	112	1712
Birkeland, Kristian, Christiania, Norway. Apparatus for electrically treating gases.....	775,123	Nov. 15	3132	665 666	113	739
Birkenmayer, Frank, et al. (See Masters, Arthur M., assignor.)						
Birkenstamm, Christoph F., assignor to P. Kurtz, B. Nitschke, F. Jagau, and B. von Rekowsky, New York, N. Y. Holder for pads.....	762,613	June 14	1974	426	110	1885
Birmingham, William E., Philadelphia, Pa. Eyeglass or spectacle case.....	750,017	Jan. 19	2375	637	108	697
Birnbaum, Theodore, Berlin, Germany. Electrically-actuated gramophone.....	768,728	Aug. 30	5329	1123	111	2246
Birnbaum, Theodore B., Berlin, Germany. Record-plate for gramophones.....	760,606	May 24	4009	852	110	853
Birney, James E., Leslie, Mich. Adhesive plaster.....	776,968	Dec. 6	1052	227 228	113	1660
Birrer, H. C. (See Birrer, John B., assignor.)						
Birrer, John B., assignor of one-half to H. C. Birrer, St. Louis, Mo. Shoe-stitch divider.....	761,439	May 31	5703	1214	110	1337
Birtman, Charles F., Chicago, Ill. Static electrical machine.....	777,883	Dec. 20	2700	595	113	2048
Birtwell, Benjamin, Pawtucket, R. I. Drawing-rollers.....	764,702	July 12	1658	338	111	378
Bischler, Augustus, assignor to Basle Chemical Works, Basle, Switzerland. Red basic rhodamine dye and making same.....	759,657	May 10	2181		110	510
Bischler, Augustus, assignor to Basle Chemical Works, Basle, Switzerland. Making indoxyl, &c.....	761,440	May 31	5705		110	1337
Bischler, Augustus, assignor to Basle Chemical Works, Basle, Switzerland. Making indoxyl, &c.....	776,884	Dec. 6	855		113	1615
Bischoff, Ferdinand F., Milwaukee, Wis. Egg-case tray or filler.....	760,842	May 24	4511	961	110	1059
Bischoff, Frederick F., Chicago, Ill. Door-hanger.....	755,607	Mar. 29	4649	1093	109	1077
Bischoff, Frederick F., Chicago, Ill. Caster.....	772,865	Oct. 18	3811	722	112	1712
Bishop, Charles B., New Britain, Conn. Machine for making cut glass.....	765,367	July 19	2726	563	111	627
Bishop, Charles B., New Britain, Conn. Machine for making cut glass.....	765,268	July 19	2729	569 570	111	627
Bishop, Charles B., New Britain, Conn. Machine for making cut glass.....	765,304	July 19	2793	583	111	640
Bishop, Cicero, Denver, Colo. Combined derrick and excavator.....	777,834	Dec. 20	2706	595 596	113	2049
Bishop, Francis M., Newark Valley, N. Y. Instrument for detecting and correcting defective vision.....	763,248	June 21	3230	696	110	2181
Bishop, Frank S., Griswold, Iowa. Measuring-scoop.....	775,326	Nov. 22	3598	762	113	870
Bishop, Harry J., Jersey City Heights, assignor of two-thirds to G. W. Yates and H. S. Wood, West Hoboken, N. J. Steam-range.....	762,797	Oct. 4	2344	511	110	1966
Bishop, Jacob W., Washington, Iowa. Road-scraper.....	771,695	Oct. 4	934	210	112	1159
Bishop, James D., New York, N. Y. Braiding-machine.....	767,376	Aug. 16	2574	537 528	111	1632
Bishop, John, Bartow, Fla. Spirit-level.....	771,803	Oct. 11	1154	258	112	1280
Bishop, R. P., et al. (See Brown, William E., assignor.)						
Bishop, Robert H., and W. Down, Highgate, assignors of two-thirds to L. E. Clark and S. F. Staples, Westminster, London, England. Receptacle for coins.....	759,067	May 3	951	193	110	217
Bishop, W. T., et al. (See Brown, William E., assignor.)						
Bishop, Wilbert J., Buffalo, N. Y. Ground-wire attachment.....	759,414	May 10	1713	347	110	408
Bisler, Gustav A., Philadelphia, Pa. Folding box.....	763,142	June 21	3018	651	110	2184
Bissell Carpet Sweeper Company. (See Mason, Francis C., assignor.)						
Bissell, Frank H., Dayton, Ohio. Vapor generating and lighting apparatus.....	750,231	May 10	1342	267 268	110	326
Bissell, Orlando H., Washington, D. C. Station-indicator.....	755,735	Mar. 29	4915	1005	109	1139
Bissett, Alfred R., Vancouver, Canada. Coal-bucket release.....	758,893	May 3	635	126	110	150
Bissett, Harry L. (See Haid and Bissett.)						
Bissing, Fritz, Kreuzlingen, Switzerland. Hose-pipe fastener.....	750,340	Jan. 26	3574	774	108	846
Bitner, Harry, Berwyn, Ill. Elevator-door.....	756,321	Apr. 5	252	52	109	1397
Bitner, Harry, Berwyn, Ill. Operating mechanism for elevator-doors.....	772,917	Oct. 25	3497	746	112	1757
Bitner, Harry, Berwyn, assignor to I. Pieser and C. G. Livingston, Chicago, Ill. Flap-folder for carton-machines.....	756,570	Apr. 5	729	157 158	109	1496

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Bitter, Frederick, New York, N. Y. Exercising-machine.	775,718	Nov. 22	4441	989	113	1055
Bittkoffer, John E., St. Paul, Minn. Metallic railway-tie.	773,186	Oct. 25	4184	873	112	1919
Bittinger, Harry F. (See Hofmann, Johann, assignor.)						
Bittnar, Mary. (See Norden, Mortimer, assignor.)						
Bivert, Eugene, assignor to Fairbanks, Morse and Company, Chicago, Ill. Pivoted-bucket conveyor	748,576	Jan. 5	18	5, 6	108	7
Bivert, Eugene, assignor to Fairbanks, Morse and Company, Chicago, Ill. Tripper for bucket conveyers, &c.	748,577	Jan. 5	22	6	108	8
Bivins, Franklin P., et al. (See Sturgis, Francis M., assignor.)						
Bixby, Harry L., et al. (See Sturgis, Francis M., assignor.)						
Bixby, Joseph G., Decatur, Ill. Expandible form for packing and exhibiting garments.	770,492	Sept. 20	2587	548	112	618
Bixby, William, Buffalo, N. Y. Lathe tool-holder	772,271	Oct. 11	2141	468	112	1437
Bjarnason, Sigurd, Winnipeg, Canada. Bag-fastener	777,367	Dec. 13	1771	394	113	1834
Björnerantz, Franz F., Grand Rapids, Mich. Comb-cleaner	753,225	Mar. 1	18	4	109	6
Bjornoy, George O. (See Blacklee, Frank W., assignor.)						
Björnstad, Jörgen, Charlton, England. Steam-superheater	769,297	Sept. 6	328	75	112	69
Blachmann, Simon, Bayonne, N. J. Cap.	767,035	Aug. 9	1853	389	111	1474
Black, Albert J., New York, N. Y. Game apparatus	771,604	Oct. 4	756	168	112	1120
Black, Charles F., Toledo, assignor of one-half to G. E. Cyphers, Sidney, Ohio. Wire-fence construction	771,605	Oct. 4	757	169	112	1120
Black, Charles N. (See Ringland and Black.)						
Black, Cornelius G., Ipswich, Mass. Box-fastener	768,874	Aug. 30	5630	1182	111	2334
Black, George F., Baltimore, Md. Apparatus for cooling liquids	759,855	May 17	2571	536	110	612
Black, Henry B., et al. (See Brockett, Atwater E., assignor.)						
Black, Ira H., Carnegie, Pa. Heating-stove	764,981	July 12	2216	458	111	501
Black, Joseph, and F. J. Smith, San Francisco, Cal. Can-body machine	752,949	Feb. 23	4152	925	108	2015
Black, Samuel D., Baltimore, Md. Card-display device	764,703	July 12	1657	338	111	378
Black, Thomas B., New York, N. Y. Rock-breaking machine	762,874	June 21	2522	546	110	2024
Black, Walker M. (See Graham, Muckersie, G., assignor.)						
Black, William C., Plymouth, Ohio. Separator-sieve	759,068	May 3	954	193	110	217
Black, William M., Boston, Pa. Curtain-pole	763,713	June 23	4151	905	110	2401
Black, William W. (See Denzer and Black.)						
Blackall, Robert H. (See Turner and Blackall.)						
Blackburn, Albert B., Springfield, Ohio. Hydrocarbon-burner	751,249	Feb. 2	896	204	108	1248
Blackburn, Edward, Birkdale, England. Billiard-cue rest	774,862	Nov. 15	2609	559	113	617
Blackburn, Ernest C., assignor of one-half to H. Hosey, Aspen, Colo. Nut-lock	762,226	June 7	1160	249	110	1692
Blackburn, Walter, San Francisco, Cal. Motor	771,526	Oct. 4	615	136	112	1090
Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, Jersey City, N. J. Lighting	753,115	Feb. 23	4457	991	108	2054
Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, Jersey City, N. J. Wickless blue-flame oil-stove	757,876	Apr. 19	3324	720	109	2087
Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, Jersey City, N. J. Tank for gasolene-stoves	774,644	Nov. 8	2115	462	113	485
Blackington, Henry B., assignor of one-half to H. I. Jordan, Auburn, Me. Box-covering machine	758,502	Apr. 26	4579	984	109	2384
Blackletter, Charles F., Minneapolis, Minn. Wind-engine	755,101	Mar. 22	3718	816	109	865
Blackett, Archibald T., Malden, assignor to J. S. Wilson, Chelsea, Mass. Flexible conduit	751,777	Feb. 9	1836	418	108	1465
Blackman, George L. and M. P. Whiteside, N. Y. Supplemental pie-plate rim	749,523	Jan. 12	2013	418	108	471
Blackman, Henry, New York, N. Y. Anode and making same	762,227	June 7	1161	249	110	1692
Blackman, Mary P. (See Blackman, George L. and M. P.)						
Blackmer, Herbert C. (See Robson and Blackmer.)						
Blackmer, James L., Medford, Mass. Changeable sign	752,324	Feb. 16	2904	647	108	1723
Blackmore, Henry S., Mount Vernon, N. Y. Electrolytic apparatus	759,798	May 10	2459	513	110	570
Blackmore, Henry S., Mount Vernon, N. Y. Electrolytic apparatus	759,799	May 10	2452	514	110	570
Blackmore, Henry S., Mount Vernon, N. Y. Making sulfuric anhydrid	769,585	Sept. 6	859	184	112	194
Blackmore, Henry S., Mount Vernon, N. Y. Producing hydrogen carbid	770,214	Sept. 13	2029	428	112	473
Blackmore, Henry S., Mount Vernon, N. Y. Making and separating alkali salts from insoluble combinations	772,206	Oct. 11	2008		112	1406
Blackmore, Henry S., Mount Vernon, N. Y. Reducing aluminium or other metals	775,060	Nov. 15	2994	637	113	709
Blackmore, Henry S., Mount Vernon, N. Y. Making sulfur trioxid	778,069	Dec. 20	3244	713	113	2157
Blackmore, Henry S., Mount Vernon, N. Y. Reducing aluminium or other metals	778,190	Dec. 20	3248		113	2158
Blackmore, Henry S., assignor to R. C. Mitchell, Mount Vernon, N. Y. Making alcohol and aldehyde	774,824	Nov. 15	2517	541	113	596
Blackstone, Clarence W. (See Knapp and Blackstone.)						
Blackstone, Clarence W., assignor of one-half to F. H. Knapp, Chicago, Ill. Riveting-machine	731,773	Feb. 9	1887	418	108	1465
Blackwelder, John W. (See Martin, Anthony S., assignor.)						
Blagburn, Charles, San Francisco, Cal. Apparatus for preserving perishable substances	750,518	Jan. 26	3905	846	108	917
Blagg, Thomas J., Boise, Idaho. Ironing-board	764,704	July 12	1660	338	111	379
Blain, Frank A., Fort Worth, Tex. Cotton thresher and cleaner	765,874	July 26	3958	845	111	901
Blair, A. George, Jr. (See McCarthy, Charles J., assignor.)						
Blair Camera Company. (See Ames and Reardon, assignors.)						
Blair, David W., Perth Amboy, N. J. Observation-wheel	753,037	Feb. 23	4327	961	108	2056
Blair, Harry C. (See Stratton, Samuel L., assignor.)						
Blair, J. T., et al. (See Welsh, Elmer E., assignor.)						
Blair, Joseph E., Chicago, Ill., assignor to Confectioners and Bakers Supply Co. Butter-cup-cutter	764,337	July 5	863	176	111	189
Blair, John, Brooklyn, N. Y. Fountain-pen	773,847	Nov. 1	509	130	113	140
Blair, Joseph H., St. Louis, Mo., assignor to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Turret attachment for lathe-carriages	766,488	Aug. 2	710	149	111	1195
Blair, Nathan, Buell, Oreg. Sawing-machine	776,989	Dec. 6	1053	228	113	1660
Blair, Robert F. (See Clarke, Harry, assignor.)						
Blair, William E., Buffalo, N. Y. Mantle-support	758,814	May 3	405	93	110	114
Biais, Henry L., Herkimer, N. Y. Collar-button and tie	754,842	Mar. 15	3264	710	109	747
Blaisdell, Hiram W., Los Angeles, Cal. Apparatus for cleaning sand filter-beds	732,196	Feb. 16	2641	586	108	1664
Blaisdell, Hiram W., Los Angeles, Cal. Apparatus for removing material from the surface of filter-beds	763,354	June 28	3456	746	110	2232
Blake, David. (See Dodge, James, assignor.)						
Blake, Edgar W., Pepperell, Mass. Belt-fastener	770,256	Sept. 20	2112	444	112	509

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Blake, Edward E., Fowler, Colo. Sweep-rake	772,125	Oct. 11	1831	407	112	1367
Blake, Eliza. (See Blake, Robert, assignor.)						
Blake, George A., New Bedford, Mass. Holder for tank-floats	754,965	Mar. 22	3491	764	109	814
Blake, Lincoln, assignor to G. Ponarouse, San Francisco, Cal. Safety collar-button.	768,167	Aug. 23	4165	876	111	2019
Blake, Richard K., Havana, Kans. Baby-walker or perambulator.	765,875	Aug. 26	3960	845	111	902
Blake, Robert, assignor to E. Blake, Madison, N. J. Apparatus for extracting gold from auriferous sand, &c.	771,454	Oct. 4	461	105	112	1056
Blake, Sherman J. (See Fickinger and Blake.)						
Blakely, Augustus B. (See Clarkson, Nathaniel B., assignor.)						
Blakely, Thomas A., Flesherston, assignor of one-half to F. W. Harrison, Owen Sound, Ontario, Canada. Roller-bearing	776,773	Dec. 6	615	134	113	1562
Blakeman, Henry E., et al. (See Phifer, Washington I., assignor.)						
Blakeman, William N., Jr., New York, N. Y. Drying-oil.	767,692	Aug. 16	3123		111	1769
Blakeman, William N., Jr., New York, N. Y. Paint compound or mixture.	767,683	Aug. 16	3124		111	1769
Blaker, Charles S., Worth, Mo., assignor of one-half to E. Weidman, Coburg, Iowa. Clamp for welding tires.	769,530	Sept. 6	772	166	112	175
Blakeslee, Frank W., Ashtabula, Ohio, assignor of one-half to G. O. Bjorneby, Williamsburg, Va. Building-block.	760,774	May 24	4377	931	110	1031
Blakeslee, Manley H. (See Jarvis and Blakeslee.)						
Blakeslee, Manley H., assignor to Jarvis Typewriter & Tabulator Company, Buffalo, N. Y. Tabulating mechanism for type-writing machines.	755,608	Mar. 29	4650	1033	109	1077
Blamoser, Ferdinand. (See Prestele and Blamoser.)						
Blanc, Alfred, assignor to A. Schwob, New York, N. Y. Stem winding and setting watch.	756,450	Apr. 5	540	113	109	1458
Blanc, Francois C. A., Coney Island, N. Y. Winding and setting mechanism for watches.	771,327	Oct. 4	18	3	112	963
Blanc, Paul, Brussels, Belgium. Superheater.	776,639	Dec. 6	944	73	113	1504
Blanchard, Adolph F., Brooklyn, N. Y. Tooth-brush.	761,193	May 31	5282	1108	110	1229
Blanchard, Alfred, and F. H. Gates, Ware, Mass. Stop-motion for knitting-machines.	764,335	July 5	865	177	111	189
Blanchard, Elmer, Coopersville, Mich. Massage-roller.	769,463	Sept. 6	646	138	112	147
Blanchard, Frederic W., Holbrook, Mass. Mechanical movement.	771,699	Oct. 4	935	211	112	1159
Blanchard, Horace, Boston, Mass. Railway-switch.	772,998	Oct. 25	3585	776	112	1791
Blanchard, Horace, Boston, Mass. Theatre-chair	776,044	Nov. 29	5090	1075	113	1216
Blanchard, John F., New York, N. Y. Revolving sash.	762,123	June 7	971	201	110	1647
Blanchet, Arthur, assignor to Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Société Anonyme, Paris, France. Electricity-meter.	768,557	Aug. 23	4951	1035	111	2195
Blanchet, Arthur, assignor to Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Paris, France. Electricity-meter.	778,101	Dec. 20	3250	713	113	2158
Blanchet, Nicholas, Pendleton, Oreg. Cant-hook.	763,249	June 21	3231	696	110	2182
Bland, Henry, Waverly, New South Wales, Australia. Elastic-fluid compressor.	760,843	May 24	4513	961	110	1059
Blanding, Charles H., Harvey, N. D. Latch.	774,033	Nov. 1	992	208	113	224
Blanding, Francis, Brockton, Mass. Safety device for elevators.	755,736	Mar. 29	4017	1005	109	1139
Blaney, James H., Fenaghvale, Canada. Straining attachment for milk-cans.	755,609	Mar. 29	4653	1034	109	1078
Blaney, Thomas. (See McCullough, Blaney, and Baron.)						
Blank, George, et al. (See Gross, Peter J., assignor.)						
Blankenstein, Hans, New York, N. Y. Shoe-lace fastener.	772,082	Oct. 11	1752	390	112	1350
Blankley, Frank H., assignor to Columbian Enameling and Stamping Company, Terre Haute, Ind. Cooking utensil or other vessel.	770,843	Sept. 27	3276	690	112	788
Blasberg, Emil, Detroit, Mich., assignor to J. H. Claus, Fremont, Ohio. Shears.	770,551	Sept. 20	3697	571	112	642
Blaschke, Edward E., Jr., Clifton, Wis. Shell resizing and decapping machine.	751,895	Feb. 9	2073	468	108	1520
Blasdel, Judson S., et al. (See Ruhl, William G., assignor.)						
Blasdel, Grant T., Towanda, Pa. Razor-drop.	776,213	Nov. 29	5499	1146	113	1288
Blashill, Arthur E., London, Canada. Wire-fence-weaving machine.	757,646	Apr. 19	2500	630	109	1093
Blasius, John, Bayonne, N. J. Clothes-line-securing device.	750,081	Jan. 19	3090	664	108	719
Blaskopf, Henry, New York, N. Y. Guide for sewing-machine benners.	753,348	Mar. 22	4179	923	109	961
Blasser, Ernest. (See Jacobson and Blasser.)						
Blatz, Louis, La Mirada, and W. L. Fales, Los Angeles, Cal. Containing and dispensing vessel.	770,215	Sept. 13	2031	428	112	473
Blaubach, Paul, Bremen, Germany. Machinery for manufacturing patterned linoleum.	768,211	Aug. 23	4250	894	111	2037
Blaw, Jacob B., Atlantic City, N. J. Mold for sewers, &c.	768,025	Aug. 23	3840	803	111	1944
Blaze, Robert W., Jeannette, Pa. Device for carrying heated glass.	774,375	Nov. 8	1614	346	113	380
Bleh, George M. (See Briard and Bleh.)						
Bleo, John H., Brooklyn, assignor to A. B. Levy, New York, N. Y. Straight-air automatically-acting brake.	757,015	Apr. 12	1603	349	109	1699
Bleo, John H., assignor to A. B. Levy, New York, N. Y. Triple valve for air-brake systems.	757,016	Apr. 12	1605	349	109	1699
Blessing, James H., Albany, N. Y. Steam-trap.	751,250	Feb. 2	898	205	108	1248
Bletzinger, Frederick, Chicago, Ill. Soda-fountain.	765,374	July 19	2946	616	111	673
Blevens, James N., Bentonville, Ark. Corn-planter.	769,885	Sept. 13	1420	303	112	838
Blevins, David T., R. L. and W. R. Benton, and E. I. Raymond, Windsor, Colo. Beet-copper.	770,793	Sept. 27	3156	669	112	761
Blevins, Herman G., and J. E. Whittaker, Newcastle, Pa. Forming vessels from sheet metal.	758,503	Apr. 26	4582	984	109	2385
Bleynie, Gustave, and T. Ducouso, Paris, France. Electric interlocking switch and signal system.	749,255	Jan. 12	1428	306	108	347
Bleynie, Gustave, and T. Ducouso, Paris, France. Apparatus for directly operating railway switches and signals by means of a single lever.	769,934	Sept. 13	1522	325	112	361
Bleynie, Gustave, and T. Ducouso, Paris, France. Electric interlocking switch and signal system.	772,604	Oct. 18	2808	618	112	1603
Blickensderfer, Elizabeth, Breckenridge, Colo. Lap-robe holder for vehicles.	763,459	June 28	3676	792	110	2301
Blickensderfer, George C., Stamford, Conn. Type-writing machine.	749,914	Jan. 19	2764	592	108	651
Blickle, Alice A., Allegheny, Pa. Combination-tool.	754,739	Mar. 15	3059	668	109	703
Blickle, Charles G., San Francisco, Cal. Biscuit-can.	758,734	Mar. 3	314	61	110	79
Blinn, Charles P., Boston, Mass. Piano damper-action.	767,100	Aug. 9	1994	415	111	1504
Bliss, Donald M., assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Telephone signaling device.	773,187	Oct. 25	4135	873	112	1919
Bliss Electric Car Lighting Company. (See Bliss, William L., assignor.)						
Bliss, Elmer J., Edgartown, Mass. Advertising device.	768,892	Aug. 30	5664	1191	111	2372
Bliss, Richard H., assignor of one-half to J. P. O'Neill, Springfield, Mass. Wire-weaving loom.	775,888	Nov. 22	4754	1007	113	1121
Bliss, William L., Brooklyn, assignor to Bliss Electric Car Lighting Company, New York, N. Y. System of electrical distribution.	773,917	Nov. 1	774	162	113	178

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Bliss, William L., Brooklyn, assignor to Bliss Electric Car Lighting Company, New York, N. Y. Means for exciting dynamo-electric generators.....	773,918	Nov. 1	778	163	113	179
Bliss, William P., Aurora Springs, Mo. Broom-winding machine.....	759,339	May 10	1555	312	110	374
Bloch, Abel D., Elizabeth, N. J. Eyeglasses or spectacles.....	766,413	Aug. 2	540	113	111	1158
Blochmann, Georg F. R., Kiel, Germany. Naval architecture.....	775,889	Nov. 22	4756	1008	113	1121
Block, Francis L., Sidney, Ill. Wheel-cultivator.....	755,737	Mar. 29	4919	1095	109	1139
Block, Israel, New York, N. Y. Gas-heater.....	775,025	Nov. 15	2931	635	113	694
Block, Louis, New York, N. Y. Book-holder.....	752,750	Feb. 23	3730	832	108	1922
Block, Louis, New York, N. Y. Book-holder.....	774,152	Nov. 8	1210	258	113	290
Blodgett, Aaron D., Newton, Mass., assignor to Blodgett Clock Company, Portland, Me. Clock-case.....	750,787	Jan. 26	4158	960	108	1038
Blodgett, Charles E., Chicago, Ill. Combined scrap and invoice book.....	777,550	Dec. 13	2336	512	113	1955
Blodgett, Clifford H. (See Weinschenk and Blodgett.)						
Blodgett Clock Company. (See Blodgett, Aaron D., assignor.)						
Blodgett, John W., assignor to N. Tire Company, Chicago, Ill. Rubber belt.....	761,054	May 24	4950	1049	110	1152
Blodgett, Omer W., Bay City, Mich. Sling for loading or unloading apparatus.....	762,875	June 21	3524	547	110	2024
Blodt, John J., and T. H. Dana, assignors to C. Munson, Clinton, Iowa. Couch-truck.....	750,980	Feb. 2	296	71	108	1123
Bloedel, Jacob, Kansas City, Kans. Draft attachment for harness.....	758,614	May 3	10	2	110	5
Blomberg, William T. (See Palm and Blomberg.)						
Blomquist, August E. R., Cleveland, Ohio. Warehouse-truck.....	771,804	Oct. 11	1155	258	112	1220
Blondel, André, Paris, France. Electric-arc lamp.....	756,400	Apr. 5	541	113	109	1458
Blondel, André, Paris, France. Electric-arc lamp.....	764,105	July 5	390	75	111	86
Blondel, Peter, Tonawanda, N. Y. Metal-rolling machine.....	763,953	July 5	6	2	111	4
Blood, Burr, Coeur d'Alene, Idaho. Cheese-cutter.....	776,168	Nov. 29	5328	1126	113	1270
Blood, Charles E., Fitchburg, Mass. Arc-preventer.....	751,830	Feb. 9	1951	443	108	1491
Blood, Charles W. H., Boston, Mass. Boring-machine.....	770,156	Sept. 13	1911	407	112	447
Blood, Edward B. (See Kitton, John C., assignor.)						
Blood, Robert, et al. (See Meyer, Robert, assignor.) (Reissue.)						
Bloom, Aaron S., and A. E. Krebs, St. Paul, Minn. Combined blower and fire-screen.....	772,918	Oct. 25	3439	746	112	1758
Bloom, Fred O., Helena, Mont. Dry separator.....	771,905	Oct. 11	1156	259	112	2320
Bloom, John D., New York, N. Y. Butter-cutter.....	759,658	May 10	2182	448	110	510
Bloom, Robert L. (See Estep, James, assignor.)						
Bloomberg, William, New York, N. Y. Suspender-end.....	749,353	Jan. 12	1647	350	108	396
Bloomer, Stephen H., Seattle, Wash. Grading and excavating machine.....	776,990	Dec. 6	1055	229	113	1661
Bloomqvist, Fredrik J., assignor of three-fourths to L. and E. Bernhimer and E. Dahlstrom, Conemaugh, Pa. Nut-lock.....	750,232	May 10	1345	268	110	327
Bloss, Ernst. (See Buniller, Julius, assignor.)						
Blossom, David H., Salt Lake City, Utah. Solar attachment for transits.....	768,729	Aug. 30	5938	1123	111	2297
Blossom, Francis, and W. A. Haller, New York, N. Y. Measuring apparatus.....	757,017	Apr. 12	1602	350	109	1700
Blount, Lewis, assignor of two-thirds to T. B. Wilkinson and R. N. Simms, Raleigh, N. C. Baling-press.....	771,967	Oct. 11	1499	339	112	1292
Blower, Leon, New York, N. Y. Metal-rolling machine.....	756,820	Apr. 12	1308	269	109	1618
Blower, Leon, New York, N. Y. Electroplating isolated designs on vitreous surfaces.....	774,976	Nov. 15	2837	604	113	671
Blue Blazes Gas Heater Company. (See Ducker, Louis F., assignor.)						
Blue, Edgar, Garvin, Ind. Ter. Nut-lock.....	776,991	Dec. 6	1059	230	113	1062
Blue, Edgar, and Q. Herndon, Garvin, Ind. Ter. Bottle.....	757,647	Apr. 19	2867	680	109	1904
Blue, Edgar, and Q. Herndon, Garvin, Ind. Ter. Repair-link.....	770,709	Sept. 20	2903	636	112	708
Blue, John, Laurinburg, N. C. Fertilizer-distributor.....	778,440	Dec. 27	3937	856	113	2324
Blum, August, and E. D. Mann, Savannah, Ga. Egg-tester.....	765,543	July 19	3392	690	111	747
Blum, Frank J., Chicago, Ill. Ash-chute for furnaces.....	757,435	Apr. 19	2540	535	109	1896
Blum, Isaac, assignor to Catch-on-Clasp Manufacturing Company, Baltimore, Md. Sup- porter for drawers.....	777,879	Dec. 9	2811	617	113	2070
Blum, Joseph, Baltimore, Md. Telephone attachment.....	754,041	Mar. 8	1640	365	109	377
Blum, Maurice, La Chaux-de-Fonds, Switzerland. Watch-barrel.....	751,896	Feb. 9	2074	469	108	1320
Blume, Richard, Magdeburg, Germany. Manufacturing varnish substitutes.....	750,575	Jan. 26	4017	807	108	939
Blumenthal, Gustav, New York, N. Y. Fire-escape.....	764,339	July 5	870	178	111	190
Blumhoefer, Nicholas, Fairfax, Minn. Wagon-body lifter.....	761,815	June 7	413	84	110	1381
Blun, Ferdinand S. M., et al. (See Hartung, Warner, assignor.)						
Blundell, Charles R., et al. (See Pratt, Thomas J., assignor.)						
Bly, Albert B., Ottumwa, Iowa. Calculating apparatus.....	770,552	Sept. 20	2698	571	112	643
Blye, Harry C. (See Koch, Gustave, assignor.)						
Bylnt, Herbert S. (See Clark and Blynt.)						
Boak, James K. (See Biehler, Martin L., assignor.)						
Boak, William Y., Y. Hydepark, Mass. Needle for sewing-machines.....	777,065	Dec. 13	1215	266	113	1714
Boasso, Eugene D., Charenton, La. Rail-joint.....	752,511	Feb. 16	3251	735	108	1708
Boast, William F., Colby, Kans. Lathe lens-holder.....	773,188	Oct. 25	4136	824	112	1919
Boax, James F., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Scarf- ing and bending device with transfer-table.....	774,228	Nov. 8	1346	287	113	321
Boax, John J. (See Patterson and Boax.)						
Boax, John J., McKeesport, Pa., assignor to National Tube Company. Draw-bench with tongs-returning device.....	762,124	June 7	973	201	110	1648
Boax, John J., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Tube- lifting device for conveying-troughs.....	774,376	Nov. 8	1615	347	113	380
Bobinsky, Vladimir B. (See Elieson and Bobinsky.) (Reissue.)						
Bock, Henry, Lodi, N. J., assignor to H. W. Boettger, New York, N. Y. Finishing fab- rics.....	754,843	Mar. 15	3364	710	109	747
Bock, Henry L., Hartford, Conn., assignor to Toledo Glass Company, Toledo, Ohio. Fire- finishing machine.....	760,644	Sept. 6	950	208	112	219
Bock, William E., assignor to Toledo Glass Company, Toledo, Ohio. Fire-finishing ma- chine.....	761,139	May 31	5118	1086	110	2077
Bockelman, Frederick, and W. C. Deke, Alma, Mo. Fan-motor.....	772,126	Oct. 11	1833	407	112	1367
Bockhoff, William F., Indianapolis, Ind., assignor to National Cash Register Company, Jersey City, N. J. Cash-register signal.....	760,724	May 24	4272	908	110	1008
Bockhoff, William F., Indianapolis, Ind., and E. J. von Pein, Dayton, Ohio, assignors to National Cash Register Company, Jersey City, N. J., and Dayton, Ohio. Cash-register	773,116	Oct. 25	3060	1840	112	1879
Bockins, Charles J., et al. (See Bourque, Adolphe, assignor.)						
Bockmeyer, Henry F., Philadelphia, Pa., assignor to A. O. Granger, Cartersville, Ga. Treating cotton-seed hulls or cotton-waste.....	759,800	May 10	2455	-----	110	571
Bodden, James, assignor to W. Bodden & Son, Limited, Oldham, England. Lubricating means for spindles.....	777,394	Dec. 13	1829	404	113	1947

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Bodden & Son, William. (See Bodden, James, assignor.)						
Boddener, William L., assignor, by mesne assignments, to Westinghouse Machine Company, Pittsburg, Pa. Steam or gas turbine.	777,055	Dec. 6	1193	260	113	1693
Boddy, Edward V., Canon City, Colo. Clamping device.	775,515	Nov. 22	4000	844	113	960
Bode, Adolf F. H., Philadelphia, Pa. Soil-pipe connection for water-closet hoppers.	762,980	June 21	2707	588	110	2065
Bode, Paul, Duisburg, Germany. Device for adjusting piston-rings from outside the cylinders.	751,779	Feb. 9	1839	419	108	1465
Bode, Paul, and M. Keger, Duisburg, Germany. Safety-valve.	770,043	Sept. 13	1719	363	112	406
Bodenstein, John G., Staatsburg, N. Y. Elevator ice-planer.	760,844	May 24	4515	962	110	1059
Bodenstein, John G., Staatsburg, N. Y. Field ice-planer.	760,845	May 24	4516	962	110	1060
Bodette, William, Elizabeth, N. J. Tubular chime-bell for whistles.	771,120	Sept. 27	3816	806	112	909
Bodge, John W., assignor to C. W. Bettler, Denver, Colo. Wire-fence clip.	753,339	June 21	3393	738	110	2317
Bodine, Albert G., Baldwin township, Allegheny county, Pa. Electric switch.	773,464	Oct. 25	4639	993	112	2040
Bodländer, Richard, Breslau, Germany. Mortar-mixer.	751,898	Feb. 9	2077	469	108	1521
Bodländer, Guido, Brunswick, Germany. Determining the quantity of carbonic acid in gases.	751,897	Feb. 9	2075	469	108	1520
Bodson, Gustave. (See Peyton and Bodson.)						
Bodungen, Clemens G., Lagrange, Tex. Mote-board for cotton-gins.	758,166	Apr. 26	3896	846	109	2232
Bodungen, Clemens G., Lagrange, Tex. Cotton-gin.	772,272	Oct. 11	2142	408	112	1437
Boeck, Charles H., assignor to Novelty Manufacturing Company, Jackson, Mich. Portable oven.	772,999	Oct. 25	3586	777	112	1791
Boeck, Eric C. (See Taylor and Boeck.)						
Boeckel, George, Möckern, near Leipzig, Germany. Partition or plaster structure for buildings.	764,082	July 12	2218	453	111	501
Boecker, Fredrick W., Oakland, Cal. Bed or couch.	771,039	Sept. 27	3633	770	112	871
Boeckmann, Kurt von, Austin, Tex. Self-centering axle-lathe.	774,825	Nov. 15	2520	542	113	597
Boedefeld, Franz S., San Francisco, Cal. Hat-fastener.	754,916	Mar. 15	3385	740	109	773
Boedefeld, Franz S., San Francisco, Cal. Skirt and waist holder.	762,378	June 14	1478	322	110	1779
Boedefeld, Franz S., assignor of one-half to W. L. Spencer, San Francisco, Cal. Garment-supporter.	758,201	Apr. 26	3968	861	109	2247
Boehler, Francois X., assignor to Canada Cabinet Company, Limited, Gananoque, Canada. File.	769,724	Sept. 13	1117	240	112	271
Boehm, Herman, and F. H. Wappler, assignors to said Wappler and American X-Light Manufacturing Company, New York, N. Y. Vacuum-tube.	771,700	Oct. 4	936	211	112	1159
Boehm, Otto, Baltimore, Md. Grooving-machine.	757,084	Apr. 12	1732	377	109	1727
Boehringer & Soehne, C. F. (See Ach, Fritz, assignor.)						
Boehringer & Soehne, C. F. (See Buchner, Max, assignor.)						
Boehringer & Soehne, C. F. (See Loeb, Walther, assignor.)						
Boekel, Julius. (See Boekel, William and J.)						
Boekel, William and J., Philadelphia, Pa. Check-valve and cooperating parts.	750,082	Jan. 19	3091	665	108	720
Boekel, William and J., Philadelphia, Pa. Pump cylinder, tank, and base-plate.	750,154	Jan. 19	3219	694	108	748
Boekel, William and J., Philadelphia, Pa. Fluid shut-off.	763,714	June 28	4152	965	110	2401
Boekel, William and J., Philadelphia, Pa. Pressure-regulator for fluids.	769,050	Aug. 30	5987	1254	111	2445
Boellinghaus, Emil, Hamburg, Borgfeld, Germany. Filter.	763,143	Sept. 6	4	1	112	3
Boecker, Henry H., St. Charles, Mo. Wheel-plow.	777,935	Dec. 20	2940	646	113	2096
Boerschinger, Jacob. (See Hoerr and Boerschinger.)						
Boersig, John H., Yorkville, Ind. Sanctuary-taper.	756,322	Apr. 5	254	53	109	1398
Boesch, John C. (See Owen and Boesch.)						
Boese, Jacob H. (See Boese Peter H. and J. H.)						
Boese, Peter H. and J. H. Imman, Kans. Uncoupling device.	773,537	Nov. 1	7	2	113	4
Boesenberg, Henry H. (See Neerup, Peter J., assignor.)						
Boettger, Henry W. (See Boek, Henry, assignor.)						
Bogart, Fred H. (See Jones and Bogart.)						
Bogart, Fred H., assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Grease-cup.	775,697	Nov. 22	4408	929	113	1047
Bogart, Fred H., assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Steering mechanism for automobiles.	778,626	Dec. 27	4295	988	113	2401
Bogart, Fred H., assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Automobile controlling mechanism.	778,627	Dec. 27	4296	938	113	2402
Bogenberger, John, Milwaukee, Wis. Metallic window frame and sash.	775,668	Nov. 22	4349	917	113	1035
Boget, Grover J., Garden City, Kans. Mail-bag catcher.	760,175	May 17	3202	671	110	735
Boggett, James H., and W. Hotze, Carson, Iowa. Combination hay implement.	761,732	June 7	249	50	110	1493
Bogges, Odin E., assignor to Automatic Humiditor Company, Cincinnati, Ohio. Apparatus for supplying various atmospheres.	750,155	Jan. 19	3221	694	108	748
Boggs, Taylor, Chillicothe, Ohio. Corn-harvester.	755,210	Mar. 22	3916	866	109	905
Boggs, Taylor, Chillicothe, Ohio. Corn-harvester. (Reissue.)	12,227	June 7	1236	266	110	1708
Bogue, Richard, Moose Jaw, Canada. Index.	764,416	July 5	1035	211	111	230
Boguslavsky, Alexander, London, England. Wheel for vehicles.	774,735	Nov. 15	2998	506	113	556
Bohannon, William J. H., assignor of one-half to R. A. Silk, New York, N. Y. Storage system.	766,660	Aug. 2	1066	223	111	1277
Bohle, William. (See Beckmann and Bohle.)						
Böhm, Ludwig K., Hoboken, N. J., assignor, by mesne assignments, to Commercial Railway Equipment Company, New York, N. Y. Window attachment.	758,348	Apr. 26	4281	920	109	2315
Böhmüller, Hans, and R. Pfeiffer, Charlottenburg, near Berlin, Germany. Means for securing the stators and rotors of electrical machines in adjustable relation.	763,845	June 28	4409	958	110	2456
Bohn, Ernst, Berlinchen in Neumark, Germany. Propelling ships.	760,518	May 8	3339	814	110	916
Bohn, Gottfried J., assignor of one-half to F. Maubetsch, Toledo, Ohio. Baker's peel.	754,042	May 8	1641	365	109	377
Bohn, Otto, Stillwater, Minn. Track-gage.	777,066	Dec. 13	1216	266	113	1714
Bohn, René. (See Jeanmaire and Bohn.)						
Bohn, René, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene derivative and making same.	753,659	Mar. 1	846		109	184
Bohn, René, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Black dye and making same.	756,571	Apr. 5	732		109	1497
Bohn, René, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye.	767,259	Aug. 9	2801		111	1569
Bohnert, George M., Petersburg, Ind. Eaves-protector.	749,419	Jan. 12	1782	376	108	422
Boice, Augustin. (See Wheeler, James F., assignor.)						
Boileau, James W., assignor to L. C. Sherwood, Detroit, Mich. Crusher.	758,735	May 3	314	61-62	110	79
Boileau, James W., assignor of one-half to J. B. Knoblock, Denver, Colo. Pulverizer and grader.	764,268	July 5	717	145	111	158
Boillot, Louis F. (See Voindrot and Boillot.)						
Bois, Clara. (See Bois, Nathaniel, assignor.)						
Bois, Nathaniel, New York, assignor to C. Bois, Brooklyn, N. Y. Stair structure.	750,156	Jan. 19	3223	694	108	749

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Boismaure, Alfred A., New York, N. Y., assignor to Boismaure Oscillating Jewelry Company, of New Jersey. Jewel-mounting.	750,798	Feb. 2	31	6	108	1064
Boismaure, Alfred A., New York, N. Y., assignor to Boismaure Oscillating Jewelry Company, of New Jersey. Jewel-mounting.	758,167	Apr. 26	3899	846	109	2283
Boismaure, Alfred A., New York, N. Y., assignor to Boismaure Oscillating Jewelry Company, of New Jersey. Jewel-mounting.	768,846	June 23	4410	959	110	2456
Boismaure, Alfred A., New York, N. Y., assignor to Boismaure Oscillating Jewelry Company, of New Jersey. Jewel-mounting.	770,954	Sept. 27	3485	738	112	886
Boismaure Oscillating Jewelry Company. (See Boismaure, Alfred A., assignor.)						
Boismaure Oscillating Jewelry Company. (See Kernay, Leon A. de, assignor.)						
Boisvert, Dona, Providence, R. I. Electric semaphore.	757,722	Apr. 19	3030	659 660	109	2022
Boisvert, Gideon, Manchester, N. H., assignor to Draper Company, Hopedale, Mass. Picker-stick motion for looms.	775,800	Nov. 22	4757	1008	113	1121
Bolan, John L., South Connellsville, Pa. Automatic electric light for telephone-booths.	764,792	July 12	1887	376	111	418
Boland, Frank K. (See Lutz, George A., assignor.)						
Boland, Frank P., Providence, R. I. Sand-blast machine.	760,775	May 24	4378	931	110	1081
Boland, Frederick A., assignor of three-fourths to A. D. Curtis, Brooklyn, N. Y. Automatic weighing-machine.	769,143	June 21	3919	651 652	110	2134
Boland, Joseph K., et al. (See Dieterich, Fred G., assignor.)						
Bolding, James F., Terrell, Iowa. Seat-shaping implement.	758,504	Apr. 26	4588	985	109	2385
Bole, William A., Pittsburg, Pa., assignor to Westinghouse Machine Company. Electrical generating system.	757,436	Apr. 19	2451	535	109	1896
Boleg, Friedrich, Esslingen, Germany, assignor to Gesellschaft zur Verwertung der Bolegen Wasserlöslichen Minerale und Kohlenwasserstoffe, Gesellschaft mit Beschränkter Haftung, of Berlin. Making water solutions of mineral and rosin oils.	761,939	June 7	649		110	1582
Bolen, Arthur O., Decatur, Ill. Oil-can.	768,355	Aug. 23	4521	295	111	2606
Bolen, Orrville H., Denver, Colo. Building-block.	749,020	Jan. 3	932	197	108	216
Bolen, Walter M., Yarbroughville, Tex. Machine for collecting insects from plants.	768,953	July 5	8	2	111	4
Bolens, Harry W., Port Washington, Wis. Chair.	752,751	Feb. 23	3732	832	108	1922
Bolens, Harry W., Port Washington, Wis. Seat-spider.	754,413	Mar. 15	2404	526	109	559
Bolens, Harry W., and C. J. Travers, Port Washington, Wis., assignors to Gilson Manufacturing Company. Sheet-metal chair-iron.	755,991	Mar. 29	5426	1199	109	1254
Boley, Daniel C., Deadwood, S. D. Apparatus for treating finely-divided material for the recovery of metals.	755,560	Mar. 22	4547	1012	109	1040
Boley, Ernst, Cleveland, Ohio, assignor to American Steel & Wire Company of New Jersey, Chicago, Ill. Apparatus for removing scale from metal rods.	774,736	Nov. 15	2842	507	113	557
Boley Wire Fence Company. (See Foss, John J., assignor.)	777,178	Dec. 13	1411	312	113	1756
Bolinger, Reuben, Sheridan Lake, Colo. Automatic gate.	760,950	May 24	4719	1005 1006	110	1103
Boll, Johann C. F. (See Rademacher and Boll.)						
Bollée, Aimé, Pêre, Le Mans, France. Belt driving-gear.	750,576	Jan. 26	4019	860	108	939
Bollen, Léon, Le Mans, France. Motor vehicle.	769,414	Aug. 2	341	113	111	1159
Bollhofer, Eldie, Colfax, Iowa. Display-rack holder.	765,610	July 19	3408	710	111	772
Bolling, George E. (See Bollinger, John C. and G. E.)						
Bollinger, James S., Cherokee, assignor of one-half to J. A. Clark, Yankee Hill, Cal. Gold-saving apparatus.	769,886	Sept. 13	1422	804	112	339
Bollinger, John C. and G. E., Olympia, Wash. Knife.	751,251	Feb. 2	991	295	108	1248
Bollinger, William A., Allegheny, Pa. Valve mechanism.	749,156	Jan. 12	1229	263	108	301
Bollman, George W., Pittsburg, Pa., assignor to Otis Elevator Company, East Orange, N. J. Hoisting equipment.	756,821	Apr. 12	1200	270	109	1619
Bolly, William F., et al. (See R-hde and Hastings, assignors.)						
Bolsta, William E., Ortonville, Minn. Horse-releasing device.	766,585	Aug. 2	906	191	111	1240
Bolta, Frank H., assignor of three-fourths to F. L. Kryder, A. G. and M. Seiberling, Peoria, Ill. Vehicle-body.	749,658	Jan. 12	2256	475	108	524
Bolton, Charles W., Fox Chase, Pa. Ice-creepers for horses.	764,340	July 5	872	178	111	190
Bolton, Edward L. (See Friend and Bolton.)						
Bolton, John B., Easthampton, Mass. Leno-motion for loom-dobbies.	757,085	Apr. 12	1736	378	109	1727
Bolton, Joseph F., Fresno, Cal. Electrical temperature-alarm.	762,125	June 7	975	202	110	1648
Bolton, Newton H., Minneapolis, Minn. Lath-stripping machine.	764,106	July 5	392	75, 76	111	86
Bolzano, Friedrich von. (See Homolka and Bolzano.)						
Bomberger, James B., assignor of two-thirds to T. Brown and A. Cohn, Mount Gilead, Ohio. Garden implement.	749,157	Jan. 12	1231	264	108	302
Bommer, Emil, New York, N. Y. Spring-hinge.	761,057	May 31	4969	1053	110	1175
Bommer, Emil, Brooklyn, N. Y. Spring-hinge. (Heissue.)	12,236	June 28	4693	1007	110	2497
Bonar, James, Pittsburg, Pa. Steam exhaust-head or muffler.	759,694	May 17	2769	580	110	658
Bond, Charles H., and W. C. Maloz, Patterson, La. Measuring vessel.	778,473	Dec. 27	4008	873	113	2339
Bond, Charles J., Springfield, Mass., assignor to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine.	764,983	July 12	2219	459	111	501
Bond, George M., Hartford, Conn. Measuring-machine.	759,238	May 10	1346	328 329	110	827
Bond, Hiram A., Springfield, Mass. Speed-governing apparatus for electric motors.	777,489	Dec. 13	3906	443	113	1886
Bond, Hiram A., West Springfield, assignor, by mesne assignments, to National Loom and Wire Company, Incorporated, Springfield, Mass. Beating-up motion for looms.	754,192	Mar. 8	1915	426	109	498
Bond, John, Fresno, assignor of one-half to F. E. Hall, Mount Bullion, Cal. Watch winding mechanism.	766,415	Aug. 2	542	114	111	1159
Bond, John P., Winona Lake, Ind., assignor of one-half to C. G. Buckingham, Ocean park, Cal. Pipe-threading hand-lathe.	764,341	July 5	873	178	111	191
Bond, Samuel C., Wilmington, Del. Machine for imparting rotary motion.	762,126	June 7	976	202	110	1648
Bond, Samuel C., Wilmington, Del. Leather-staking machine.	774,505	Nov. 8	1863	404 405	113	432
Bond, Thomas Sr., assignor of one-half to F. J. Pagel, Dallas, Tex. Rein-holder.	778,167	Dec. 20	3375	742	113	2186
Bond, William G., North Adams, Mass. Packing-stand.	759,069	May 3	955	194	110	218
Bone, James, and M. Reid, Glasgow, Scotland. Mold for rivets, bolts, or like articles.	775,794	Nov. 23	4577	970	113	1084
Bone, James, and M. Reid, Glasgow, Scotland. Mold for nuts or like articles.	775,795	Nov. 23	4578	970	113	1084
Bone, James L., Pittsburg, Pa., and J. H. Whitehead, Chicago, Ill., assignors to Ironsides Company, Columbus, Ohio. Apparatus for applying lubricants to wire or other ropes.	750,801	May 10	2457	514	110	572
Bongartz, Christian. (See Anger and Bongartz.)						
Bongiorno, Gaetano. (See Ruggiero and Bongiorno.)						
Bongrand, François, Cusset, France. System of signaling on railways.	769,813	Sept. 13	1294	274	112	312
Bonham, Evan A. (See Bonham, Frank A. and E. A.)						
Bonham, Frank A. and E. A., Indianapolis, Ind. Rotary screen.	769,098	May 17	3034	633	110	718
Bonham, Guy L., Dorraetown, Pa. Train-pipe coupling.	762,127	June 7	980	203	110	1650
Bonfield, William, Toledo, Ohio. Cloth-cleaner for sieves.	770,731	Sept. 27	3038	647	112	736
Bönig, Joseph, and J. Pöhr, McKees Rocks, Pa. Jar or glass closure.	778,004	Dec. 20	3068	675	113	2120

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Bünger, Melchior, assignor to Chemical Works formerly Sandoz, Basle, Switzerland. Green sulfur dye and making same	776,885	Dec. 6	556	-----	113	1615
Bonine, Elsie J., assignor of one-half to J. Simonton, Altoona, Pa. Copy-holder for type-writers	766,752	Aug. 2	1251	266	111	1319
Bonini, Charles. (See Peacock, George J., assignor.)						
Bonneau, Joseph C., Vancouver, Canada. Stereotype-matrix press	767,202	Aug. 9	9205	459	111	1547
Bonnechese, Gaston C. E. de, Bourges, France. Piston-joint	748,916	Jan. 5	695	152	108	157
Bonnell, George, Chicago, Ill. Document binder-file	776,992	Dec. 6	1060	230	113	1662
Bonner, Robert A., Baltimore, Md., assignor to Belding Bros. & Company, New York, N. Y. Skin-package	767,791	Aug. 16	3315	700	111	1813
Bonner, Walter W., trustee, et al. (See Miller, Ellis W., assignor.)						
Bonnet, Joseph P., Boston, Mass. Hair-waving device	754,364	Mar. 8	2296	501	109	519
Bonsnetau, Pierre, Paris, France. Stopper for preventing the refilling of vessels	755,439	Mar. 22	4344	962	109	996
Bonneville, Arthur A. de, Bayonne, N. J., assignor to W. H. Laird, New York, N. Y. Potato-peeling machine	777,590	Dec. 13	2232	487 488	113	1932
Bonney, Bick R., Pasadena, Cal. Sandal	775,440	Nov. 22	3850	814	113	927
Bonney, Joseph L., Lawrence, Mass. Paper-making machine	776,487	Dec. 6	13	4	113	1436
Bonney Vise and Tool Works. (See Baker, Joseph G., assignor.)						
Bonnington, Francis J., San Francisco, Cal. Concentrating and amalgamating machine	759,153	May 3	1112	225 226	110	253
Bonsall, Le Roy C., (See Bonsall, William S. and L. C.)						
Bonsall, Seymour W., New York, N. Y. Wardrobe or show-case	760,725	May 24	4274	908	110	1009
Bonsall, Seymour W., New York, N. Y. Wardrobe or show-case	760,726	May 24	4276	909	110	1009
Bonsall, Seymour W., New York, N. Y. Wardrobe or show-case	760,727	May 24	4278	909	110	1010
Bonsall, Seymour W., New York, N. Y. Combination-hanger for garments	771,527	Oct. 4	617	137	112	1090
Bonsall, William S. and L. C., Philadelphia, Pa. Food-warmer	760,607	May 24	4010	833	110	853
Bonschur, Herman E., Philadelphia, Pa. Pliers	755,440	Mar. 22	4345	962	109	996
Bonson Furnace and Boiler Company. (See Bonson, William W., assignor.)						
Bonson, William W., Dubuque, Iowa. Combined boiler and furnace	756,822	Apr. 12	1210	270 271	109	1619
Bonson, William W., Dubuque, Iowa, assignor to Bonson Furnace and Boiler Company, Chicago, Ill. Combined boiler and furnace	773,779	Nov. 1	462	102	113	109
Bonus, George Y., Chicago, Ill. Mausoleum or burial-vault	750,157	Jan. 19	3224	695	108	749
Bonus, George Y., assignor to H. L. Bonus, Chicago, Ill. Boiler end plate	768,011	Aug. 16	3816	797	111	1920
Bonus, Hannah L. (See Bonus, George Y., assignor.)						
Book, Charles. (See Lewis and Book.)						
Book-Keeper Publishing Co. (See Welton, Frank R., assignor.)						
Booker, Charles, Toronto, Canada. Electric insulator	778,005	Dec. 20	3069	675	113	2120
Booker, Daniel, Hamilton, Ga. Wrench construction	765,163	Jan. 19	2554	533	111	589
Booker, Edward, San Diego, Cal. Quartz-mill	759,497	May 10	1871	376	110	444
Booker, Edward, assignor to California Quartz Mill Company, San Diego, Cal. Quartz-mill	759,802	May 10	2458	514 515	110	572
Booker, John C. and F. Hill-Booker, Pasadena, Cal. Folding beach bath-house	778,628	Dec. 27	4298	938	113	2402
Bookman, Seymour. (See Manahan, Joseph A., assignor.)						
Boon, Sidney R., Chicago, Ill. Brush	774,553	Nov. 8	1954	424	113	451
Boone, Joseph L., Hickory Plains, Miss. Hopple	765,354	Jan. 19	2915	609	111	667
Boone, Robert B., et al. (See Tatum, James W., assignor.)						
Boone, Robert B., et al. (See Tatum and Parker, assignors.)						
Boop, John, Cleveland, Ohio. Piston	751,232	Feb. 2	902	206	108	1249
Boorum and Pease Company. (See Gresham, George H., assignor.)						
Boos, Casper M. B. and J. B., Muscatine, Iowa. Locking device for safes	761,194	May 31	5219	1108	110	1280
Boos, Joseph B. (See Boos, Casper M. B. and J. B.)						
Boos, Joseph B., Muscatine, Iowa. Safe. (Reissue)	13,260	Aug. 23	4997	1048	111	2206
Booth, Benjamin F., Indianapolis, Iowa. Hog-waterer	766,416	Aug. 2	544	114	111	1159
Booth, Charles E., assignor to United States Clothes Pin Company, Montpelier, Vt. Wire-spring machine	756,823	Jan. 12	1213	372	109	1619
Booth, Charles W., Milwaukee, Wis. Car-door fastener	762,981	June 21	2708	588	110	2066
Booth, David N., New York, N. Y. Clothes-fastener	764,984	July 12	3222	459	111	502
Booth, David N., New York, N. Y. Apparatus for shaping metal parts in dental work	766,586	Aug. 2	907	191	111	1241
Booth, George, et al. (See Hines, Hardin, assignor.)						
Booth, George A. (See Young, Frank C., assignor.)						
Booth, Irving E., Rochester, N. Y. Package-tie	770,553	Sept. 20	2700	571	112	643
Booth, Jacob, Reynoldsville, Pa. Railway-tie	761,575	May 31	5334	1273	110	1389
Booth, James, assignor of one-half to P. H. Corr, Taunton, Mass. Indicator for mailing or similar boxes	750,519	Jan. 26	3907	847	108	917
Booth, James A., Everett, assignor to Booth Soldering Machine Company, Boston, Mass. Can-soldering machine	766,162	Aug. 2	5	1, 2, 3	111	1944
Booth, John W., Washington, Mo. Type-writing machine	764,342	July 5	875	179	111	1041
Booth, Lewis M. (See Sutor, Harry H., assignor.)						
Booth, Robert, London, and F. Crossland, Egrement, England. Kiln	777,936	Dec. 20	2943	646	113	2096
Booth Soldering Machine Company. (See Booth, James A., assignor.)						
Booth, William C., Elmhurst, Cal. Burial-casket	748,692	Jan. 5	268	61, 62	108	59
Booz, Edward D., Baltimore, Md. Safety gas-cock	771,040	Sept. 27	3654	770	112	871
Bopp, Adolf, Berlin, Germany. Device for recording or checking the movements of watchmen or others	768,026	Aug. 23	3842	803 804	111	1944
Borchers, Henry W., assignor of one-half to E. Turney, Portland, Oreg. Tool-holder	767,036	Aug. 9	1855	380	111	1474
Borchert, Oscar, West Hoboken, N. J. Dress-form	765,455	July 19	3118	633	111	710
Borden, Cullen, Hume, Ill., and J. S. Borden, Louisville, Ky. Corn-husking machine	774,803	Nov. 15	2610	559 560	113	617
Borden, Firman H., Vincennes, Ind. Fruit-gatherer	774,737	Nov. 15	2344	507	113	558
Borden, James S. (See Borden, Cullen and J. S.)						
Borden's Condensed Milk Company. (See Page and Hopkins, assignors.)						
Borier, Rupert L., Pittsburgh, Pa. Electric railway-switch	760,846	May 24	4517	963	110	1060
Bordewisch, Edward, and O. C. Wovries, assignors of one-third to E. Bordewisch, Dayton, Ohio. Adjustable wrench	754,740	Mar. 15	3060	668	109	703
Bordner, William R., Canton, Ohio. Fence-post	753,467	Mar. 1	461	108	109	101
Borduas, Hyacinthe O., assignor of one-half to T. L. Provost, Haverhill, Mass. Micrometer-calipers	756,461	Apr. 5	513	144	109	1458
Bordwell, Harry L., Chicago, Ill. Wrench	765,912	July 26	4030	861	111	917
Borein, Charles A., Oakland, Cal. Door-catch	774,229	Nov. 8	1319	287	113	321
Borg, Charles W., Rock Island, Ill. Tongue-shaping machine	769,980	Sept. 13	1600	341 342	112	377
Borg, Chris, Chicago, Ill., assignor to International Harvester Company. Manufacturing metal wheels	773,465	Oct. 25	4701	993	112	2040
Borghese, Bernardo, Mondovì-Piazza, Italy. Lock	761,753	June 7	253	50	110	1494

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Borgmann, Henry, Washington, D. C. Window-sash casing	762,464	June 14	1664	360	110	1819
Borie, Hiram R., Philadelphia, assignor to National Tube Company, Pittsburg, Pa. Varying-thread tap	764,550	July 12	1343	273	111	311
Boring, Frank M., Dayton, Ohio. Cash indicator and register	760,415	May 24	3628	767	110	866
Boring, John B. (See Field, Samuel F., assignor.)						
Boring, Thomas T., and F. Fritchey, Huntingdon, Pa. Hinge	755,211	Mar. 22	3918	866	109	906
Borland, John. (See Borland, Matthew H., assignor.)						
Borland, Matthew H., assignor of one-half to J. Borland, Providence, R. I. Lubricating-cup	773,538	Nov. 1	9	3	113	4
Borman, Sydney, New York, N. Y. Combination shirt-waist and skirt holder	771,701	Oct. 4	938	211	112	1160
Born, Early W., et al. (See Born, Marion A., assignor.)						
Born, Marion A., Lawrenceville, Ga., assignor of part to M. H. Loudon, Kansas City, Mo., N. Hayes and E. Byles, Washington, D. C. Railway signaling system	762,798	June 14	2346	511	110	1966
Born, Marion A., Lawrenceville, assignor of part to E. W. Born, Norcross, E. W. Vance, Buford, Ga., M. H. Loudon, Kansas City, Mo., and E. Byles, Washington, D. C. Electric railway signaling system	776,214	Nov. 29	5410	1147	113	1288
Bornemann, Joseph, New York, N. Y. Railway signaling system	756,730	Feb. 2	33	7	108	1064
Bornheimer, John J., New Brunswick, N. J. Callipers	772,334	Oct. 18	2870	497	112	1487
Bornhoef, Edward, assignor to D. H. Schmidt, New York, N. Y. Pianissimo device for piano-actions	758,894	May 3	637	126	110	150
Borntman, Henry L., Indianapolis, Ind. Paint-dipping machine	755,349	Mar. 22	4180	923	109	962
Bornmann, Carl, New Haven, Conn., assignor to Anthony & Scovill Company, New York, N. Y. Photographic camera	775,261	Nov. 15	3458	731	113	821
Bornstein, Max, Seattle, Wash. Cuff-holder	760,176	May 17	3204	671	110	735
Borquist, Axel N. and C. B., Portland, Ore. Lubricating-pulley	760,378	May 17	3556	749	110	834
Borquist, Charles B., et al. (See Borquist, Axel N. and C. B.)						
Borrey, William J., et al. (See Bournique, Adolphe, assignor.)						
Börs, Otto, Leeds, England. Sheep-shears	770,216	Sept. 13	2034	428	112	474
Borsum, Louis. (See Merz, Alfred J., assignor.)						
Borsum, Louis, Plainfield, N. J. Photographic-plate holder	766,869	Aug. 9	1531	320	111	1399
Borton, George W., Philadelphia, Pa. Pulverizer, breaker, or disintegrator	759,586	May 17	2572	537	110	612
Borton, Stockton, Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Thread-controlling mechanism for sewing machines	773,780	Nov. 1	464	102	113	109
Bortree, Moses K., assignor of one-half to J. P. Platte, Grand Rapids, Mich. Lacing-strip	776,488	Dec. 6	14	5	113	1427
Bösch, Edward, Geneva, assignor to P. A. Külliker & Co., Zurich, Switzerland. Filling	759,498	May 10	1875	377	110	445
Bösch, Frank B., Philadelphia, Pa. Hose	757,877	Apr. 19	3328	721	109	2088
Boschert, Rufus E., Syracuse, N. Y. Wood-pulp press	753,038	Feb. 23	4329	962	108	2056
Boschke, Albert, San Francisco, Cal. Dredge	757,173	Apr. 12	1921	420	109	1769
Bose, Jagadis C., Calcutta, India, assignor of one-half to S. C. Bull, Cambridge, Mass. Detector for electrical disturbances	755,840	Mar. 29	5137	1136	109	1191
Bosenbury, William C., assignor to Starr Piano Company, Richmond, Ind. Pedal-action for grand pianos	755,102	Mar. 22	3719	817	109	866
Bösken, Friedrich, Düsseldorf, Germany. Barrel	768,027	Aug. 23	3844	804	111	1945
Boss, John C., Elkhart, Ind. Brick-kiln	778,441	Dec. 27	3940	856	113	2325
Boss, Martin P. (See Van Meter and Boss.)						
Boss, Martin P., San Francisco, Cal. Stamp-mill	756,774	Apr. 5	1107	245	109	1573
Boss, Martin P., San Francisco, Cal. Metallurgical process	774,304	Nov. 8	1487	319	113	352
Boss, Martin P., San Francisco, Cal. Roller crushing-mill	777,531	Dec. 13	2225	488	113	1923
Bossart, Xavier, Paterson, N. J. Thread-finishing machine	776,993	Dec. 6	1062	230	113	1663
Bosse, C. O., et al. (See Hitchcock, Solomon C., assignor.)						
Bossert, Charles P., Milwaukee, Wis. Leach-clearing mechanism	750,427	Jan. 26	3723	808	108	879
Bossert Electric Construction Company. (See Bossert, William F., assignor.)						
Bossert, William F., Utica, N. Y. Fish-plate joint for railway-rails. (Reissue)	12,261	Aug. 23	5000	1049	111	2207
Bossert, William F., assignor to Bossert Electric Construction Company, Utica, N. Y. Outlet-box for interior conduits	754,414	Mar. 15	2406	527	109	560
Bossert, William F., assignor to Bossert Electric Construction Company, Utica, N. Y. Electric-fixture support for outlet-boxes	763,355	June 28	3462	748	110	2254
Bossert, William F., assignor to Bossert Electric Construction Company, Utica, N. Y. Knife-switch	773,626	Nov. 1	168	37	113	43
Bosshard, Rudolph, Los Angeles, Cal. Street, station, program, or advertising indicator	757,086	Apr. 12	1738	378	109	1727
Bosshard, Rudolph, Los Angeles, Cal. Flea-trap	761,195	May 31	5202	1108	110	1230
Bosshard, John E., and F. E. Hing, Oswego, N. Y. Water-tube boiler	754,415	Mar. 15	2407	527	109	560
Bossyns, Albert J., Mount Washington, assignor to F. Barre, Baltimore, Md. Reinforcement for concrete beams	751,427	Feb. 2	1196	272	108	1311
Bostedo Pneumatic Tube Company. (See Foyer, Melvin J., assignor.)						
Bostedo, William. (See Conner, William E., assignor.)						
Bostel, Frederick J., Westminster, London, England. Fire-grate or fireplace	757,593	Apr. 19	2781	608	109	1968
Bostelmann, August G. H., Fair Oaks, Ark. Grain weighing and bagging scale	766,489	Aug. 2	711	149	111	1195
Bostick, James N., Fresno, Cal. Book-clamp	770,669	Sept. 20	2920	620	112	693
Bostock and Sons, T. (See Bostock, Thomas, assignor.)						
Bostock, Thomas. (See Bosworth and Bostock.)						
Bostock, Thomas, assignor to T. Bostock and Sons, Brockton, Mass. Heel-building machine	772,335	Oct. 18	2271	497	112	1487
Boston Bottle Wiring and Labeling Company. (See Cassidy and Doherty, assignors.)						
Boston, C. E. (See Reynolds, Thomas L., assignor.)						
Boston, Harvey L., David City, Nebr. Multiple-exposure attachment for cameras	773,627	Nov. 1	169	38	113	43
Boston Leather Process Company. (See Burton, George D., assignor.)						
Boston and Lockport Block Co. (See Langill, Charles H., assignor.)						
Boston & Lockport Block Company. (See Ferrall, Thomas R., assignor.)						
Boston Spinal Taping Company et al. (See Cummings, Henry H., assignor.)						
Boston Spinning Ring Company. (See Hayden, Joel, assignor.)						
Bostrom, Ernst A., Atlanta, Ga. Device for wetting grindstones	774,864	Nov. 15	2612	560	113	618
Bostwick, Grant W. and R. W., Pittsburg, Pa. Self-leveling furniture	750,577	Jan. 26	4021	869	108	939
Bostwick, Grant W. and R. W., Pittsburg, Pa. Self-leveling furniture	750,578	Jan. 26	4023	870	108	940

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Bostwick, Grant W. and R. W. Pittsburg, Pa. Self-leveling apparatus for furniture.....	769,144	Sept. 6	6	2	112	4
Bostwick, Joseph M., Janesville, Wis. Display-rack for ribbons, &c	756,462	Apr. 5	546	114	109	1459
Bostwick, Robert W. (See Bostwick, Grant W. and R. W.)						
Bostwick, Samuel A. (See Sparks, Spencer N., assignor.)						
Bostwick, Walter E., Algonac, Mich. Jar-closure	762,799	June 14	2348	512	110	1966
Boswell, Fletcher O., and C. J. Davis, Pittsburg, Pa. Non-releasable bottle	750,937	Feb. 2	297	71	108	1123
Bosworth, Charles B., assignor to Star Brass Manufacturing Company, Boston, Mass. Steam-engine indicator	752,197	Feb. 16	2650	588	108	1066
Bosworth, Charles B., Somerville, assignor to Star Brass Manufacturing Company, Boston, Mass. Blow-off valve	756,463	Apr. 5	547	114	109	1459
Bosworth, Daniel P., assignor of one-half to Z. Compton, Marietta, Ohio. Metallic railway tie	768,008	Aug. 16	3813	796	111	1919
Bosworth, George P., assignor to G. W. Payne and Co., Pawtucket, R. I. Stop-motion for spooling-machines	761,196	May 31	5221	1109	110	1230
Bosworth, Percy B., Akron, Ohio. Induction-valve	756,572	Apr. 5	732	158	109	1497
Bosworth, Wendell P., and T. Bostock, Brockton, Mass. Heel-building machine	752,325	Feb. 16	2906	648	108	1724
Bosshardt, Fred, Kirkland, Ill. Twine-cutter	709,145	Sept. 6	8	2	112	4
Bot, William H., Jr., Ghent, Minn. Rotary engine	764,351	July 12	3434	273	111	311
Botermann, Heinrich, Gladbeck, Germany. Safety device on locomotives	775,074	Nov. 15	1302	643	113	717
Botkowski, Boris, assignor to De La Vergne Refrigerating Machine Company, New York, N. Y. Igniting device for explosive-engines	753,226	Mar. 1	18	4	109	6
Botkowski, Boris, assignor to De La Vergne Refrigerating Machine Company, New York, N. Y. Valve mechanism for engines	759,857	May 17	2573	537	110	612
Bottenstein, Leopold, Pittsburg, Pa. Automatic car-coupling	758,408	Apr. 26	4385	943	109	2339
Bottenstein, Leopold, Pittsburg, Pa. Car-coupling	773,466	Oct. 25	4703	993	112	2040
Bottlers Special Machinery Company. (See Strasburger, Frank C. H., assignor.)						
Bottomley, Percy S. (See Smith, Henry W., assignor.)						
Bottorff, Charles A., Chicago, Ill. Automatic catcher for tin-plate mills	766,417	Aug. 2	545	114	111	1160
Bottum, George L., Chicago, Ill. Vacuum and circulatory system for heating	750,158	Jan. 19	3225	695	108	749
Bouchard, John J., Bradford, Pa. Trolley-wheel	773,708	Nov. 1	337	74	113	80
Bouchard, Joseph W., Canastota, N. Y. Razor-stropping device	771,455	Oct. 4	463	105	112	1056
Boucher, Alexander, and T. J. McCloskey, New York, N. Y. Smoke and gas ejector for ordnance	759,803	May 10	2460	515	110	572
Boucher, Pierre J., Cleveland, Ohio. Purifying apparatus	760,302	May 17	3423	732	110	804
Boudrias, Louis, Montreal, Canada. Shears	772,336	Oct. 18	2272	498	112	1487
Bougault, Alfred, assignor to Société Française de Constructions Mécaniques, (Anciens Etablissements Cail), Paris, France. Manufacturing gas	770,554	Sept. 20	2702	572	112	643
Bougault, Alfred, assignor to Société Française de Constructions Mécaniques (Anciens Etablissements Cail), Paris, France. Valve-gear for explosive-engines	774,554	Nov. 8	1955	424	113	451
Boughton, Horace G., Cleveland, Ohio. Combined sand screen and mixer	752,646	Feb. 23	3339	788	108	1879
Boughton, John A., Cleveland, Ohio. Rail-fastener	771,702	Oct. 4	940	211	112	1160
Boulanger, Emile, St. Louis, Mo. Drum-snare brace	756,390	Apr. 12	1427	317	109	1662
Boulet, Joseph, Beverly, Mass. Micrometer-indicator	752,732	Feb. 23	3733	832	108	1923
Boulger, Benjamin, assignor to Morse-Boulger Destructor Company, New York, N. Y. Charging hopper	773,919	Nov. 1	781	163	113	179
Boulger, Benjamin, assignor to Morse-Boulger Destructor Company, New York, N. Y. Garbage-crematory	773,920	Nov. 1	788	164	113	180
Boulter, Leroy S., Boston, Mass. Apparatus for repairing shingled roofs	768,009	Aug. 16	3814	796	111	1919
Boulter, Royal L., East Spokane, Wash. Gas-valve lock	752,818	Feb. 23	3864	866	108	1951
Bounds, Perry M., Columbus, Ohio. Fence	753,227	Mar. 1	21	5	109	7
Bourdeau Food Company. (See Bourdeau, Jesse D., assignor.)						
Bourdeau, Jesse D., assignor to Bourdeau Food Company, Limited, Battlecreek, Mich. Making cereal malted food	749,420	Jan. 12	1782		108	422
Bourdeau, Jesse D., assignor to Bourdeau Food Company, Limited, Battlecreek, Mich. Drier	764,552	July 12	1346	273	111	312
Bourgeois, Stanislas, Manchester, N. H. Trolley-head	765,544	July 19	3239	690	111	747
Bourget, Albert, and F. Robert, Jr., Turners Falls, Mass. Billiard-cue	773,189	Oct. 25	4138	874	112	1920
Bourke, Edmund. (See Exline and Bourke.)						
Bourke, Richard J., trustee. (See Collins, Patrick J., assignor.)						
Bourke, Robert E. (See Wittkind and Bourke.)						
Bourke, William. (See Fogel and Bourke.)						
Bourne, George C., Worcester, Mass. Pistol-grip	759,415	May 10	1714	347	110	408
Bourne, Philip, New York, N. Y. Automatic door-alarm	770,555	Sept. 20	2704	572	112	644
Bourne, Theodore F., et al. (See Russell, William M., assignor.)						
Bournein, Adolphe, Chesterton, assignor of one-half to C. J. Bockius, Syracuse, and W. J. Borrey, Fairmount, Ind. Machine for manufacturing window-glass	771,763	Oct. 4	1060	236	112	1186
Bourquin, Gustave L., Merchantville, and R. Loeb, Camden, assignors, by mesne assignments, to Loeb and S. Schoenfeld Company, Camden, N. J. Embroidering-machine	761,028	May 24	4901	1088	110	1141
Bourquin, Gustave L., Merchantville, and R. Loeb, Camden, N. J., assignors to said Loeb. Embroidering-machine	771,000	Sept. 27	3571	732	112	855
Bourquin, Louis, New Orleans, La. Macaroni die-plate	762,128	June 7	192	204	110	1650
Bourquin, Numa, and F. Willson, assignors to T. A. Willson, Reading, Pa. Eyeglasses	758,815	May 3	467	94	110	115
Bourseau, Jean B., Paris, France, assignor of one-half to M. Lumley, London, England. Reducing valve	762,274	June 14	1263	272	110	1735
Bousquet, Oscar. (See Parisien and Gingras, assignors.)						
Bousse, Emil, Darmstadt, Germany. Endless elevator	776,010	Nov. 29	5032	1061	113	1203
Boussier, Harry H., Halstead, Kans. Automatic feed-regulator	771,764	Oct. 4	1067	239	112	1187
Boussier, John E., Halstead, Kans. Governor for grain-feed	764,705	July 12	1664	339	111	380
Boutell Manufacturing Company. (See Preston, George H., assignor.)						
Bouton, Georges. (See Dion and Bouton.)						
Bovard, Lucy S. (See Sells, David M., assignor.)						
Bovill, William, Chicago, Ill. Fountain-pen	754,416	Mar. 15	2408	527	109	561
Bovy, Victor, Herstal, Belgium. Corset-busk	751,142	Feb. 2	661	152	108	1201
Bow, Edmund. (See Gould and Bow.)						
Bowden, Sumner B., assignor to American Bag Filling Machine Company, St. Paul, Minn. Bag-filling machine	762,275	June 14	1265	272	110	1735
Bowden, Sumner B., Minneapolis, assignor to American Bag Filling Machine Company, St. Paul, Minn. Measuring device	762,800	June 14	2350	512	110	1967
Bowlen, William, Manchester, England. Trimming mechanism for embroidering-machines	768,419	Aug. 23	4655	982	111	2140

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Bowditch, Nathaniel, Aurora, Ill. Cotton-harvester	761,140	May 31	5122	1087 1088	110	1908
Bowell, George B., West Kensington Park, assignor to Pearson Fire Alarm System, Limited, London, England. Automatic fire-alarm transmission	777,067	Dec. 13	1218	267	113	1714
Bowen, Frank H., et al. (See Hensley, Charles S., assignor.)						
Bowen, George A., assignor to S. A. Cook & Company, Medina, N. Y. Foot-rest for chairs	749,524	Jan. 12	2015	418	108	471
Bowen, George W., Auburn, N. Y. Lubricator	772,399	Oct. 18	2406	528	112	1517
Bowen, Gwilym, county of Glamorgan, England. Valve mechanism	762,680	June 14	2097	456	110	1913
Bowen, Handy H., Chicago, Ill. Receptacle for flash-light powder	776,720	Dec. 6	504	110	113	1538
Bowen, James A., Providence, R. I. Incandescent burner	766,418	Aug. 2	549	116	111	1160
Bowen, Leander P., Auburn, N. Y. Shoe-rack	764,343	July 5	876	179	111	192
Bowen, Millard F. (See Mather and Bowen.)						
Bowen, Newton M., Indianapolis, Ind. Fanning-mill	768,212	Aug. 23	4252	894	111	2038
Bowen, Philip A., assignor of one-half to R. C. Bowen, Passaic, N. J. Locking mechanism for telescoping tubing	777,773	Dec. 20	2568	567	113	2020
Bowen, Robert S., Boston, Mass., assignor to Chickering & Sons, New York, N. Y. Piano	775,161	Nov. 15	3208	685	113	756
Bowen, Robert S., Brookline, assignor to Chickering & Sons, Boston, Mass. Pedal-action for pianos	775,262	Nov. 15	3460	731	113	821
Bowen, Roy C. (See Bowen, Philip A., assignor.)	775,162	Nov. 15	3212	686	113	757
Bowen, Russell H., Palmyra, N. J., assignor to American Pulley Company. Sheave, wheel, or pulley	767,377	Aug. 16	2519	528 529	111	1633
Bowen, Russell H., Palmyra, N. J., assignor to American Pulley Company. Sheet-metal pulley	774,947	Nov. 8	1571	396	113	370
Bowen, Thomas A., Blackstone, Va. Railway-switch	768,507	Aug. 23	4850	1017	111	2174
Bowen, William E., East Orange, N. J. Hose-supporter	772,021	Oct. 11	1607	364	112	1317
Bowen, William J., assignor to Williams-Abbott Electric Company, Cleveland, Ohio. Electrically-heated soldering-iron	750,229	Jan. 10	3379	729	108	783
Bower, Charles L., Boynton, Pa. Dental preparation for capping pulps. (Reissue)	12,277	Oct. 25	481		112	2091
Bower, Adolphus L., Lima, Ohio. Radiator-valve	757,087	Apr. 12	1747	380	100	1730
Bower, Almond P., Pleasantville, Ill. Mail-bag catcher	750,341	Jan. 26	3375	774	108	817
Bower, George, St. Neots, and F. W. Gauntlett, London, England. Substitute for lithographic stones and making same	773,368	Oct. 25	4499	952	112	1997
Bower, Harry A., Boston, Mass. Snare-drum	755,610	Mar. 29	4654	1034	109	1078
Bower, John A., Pittsburg, Pa. Shipping-package	754,537	Mar. 15	2928	579	109	619
Bower, John A., Pittsburg, Pa. Sheet-metal box	767,378	Aug. 16	2521	529	111	1633
Bower, Robert F., Lima, Ohio. Roller-bearing	755,992	Mar. 29	5428 (1199 1200)	109	1254	
Bower, Wells S., Hillsdale, Mich. Polishing-machine	768,975	Aug. 30	5835	1225	111	2412
Bowers, Alphouze B. (See Smyth and Bowers.)						
Bowers, Andrew, Stroud, Okla. Ter. Hair-pin	750,579	Jan. 26	4026	870	108	940
Bowers, Andrew, Stroud, Okla. Ter. Suspender-button	750,580	Jan. 26	4027	871	108	940
Bowers, Bose B., Macon, Ga. Candy-forming machine	769,887	Sept. 13	1423	304	112	339
Bowers, David. (See Keller and Bowers.)						
Bowers, Edward L., assignor to New Home Sewing Machine Company, Orange, Mass. Shuttle-actuating mechanism for sewing-machines	770,217	Sept. 13	2035	429 429	112	474
Bowers, Edward L., assignor to New Home Sewing Machine Company, Orange, Mass. Thread-controller for sewing-machines	770,516	Sept. 20	2627	557	112	626
Bowers, John C., Boston, assignor of one-half to G. C. Bartram, Brookline, Mass. Closure for metallic receptacles	771,928	Oct. 4	14	3	112	963
Bowers, John S. (See Cochran, William R., Jr., assignor.)						
Bowles, John G., Boston, Mass. Wrench	761,940	June 7	649	130	110	1582
Bowles, Richard, and C. Campbell, Newark, N. J. Hoisting-engine	776,489	Dec. 6	17	5	113	1427
Bowles, Robert C. M., Brookline, Mass. Stethoscopic instrument	773,274	Oct. 25	4309	911	112	1957
Bowley, William H. K., London, England. Flexible metallic tubing for armoring insulated electrical conductors	770,218	Sept. 13	2036	429	112	474
Bowlin, David H., and W. L. Doude, Columbus, Miss.; said Doude assignor of one-half to said Bowlin. Shipping-case for bottles	778,736	Dec. 27	4477	980	113	2443
Bowlin, Henry L., Columbus, Miss. Lamp-burner	753,352	Mar. 1	246	55	109	55
Bowling, George W., Wellington, Ky. Car-coupling machine	759,234	May 10	1318	269	110	327
Bowling, Jasper H., Ozone, Tenn. Coke-oven	769,246	Sept. 6	2123	50, 51	112	47
Bowling, Joseph R. (See Ingoldsby and Bowling.)						
Bowling, William, assignor of one-half to E. B. Salisbury, Whitebear Lake, Minn. Hat-form retainer	766,318	Aug. 2	385	76, 77	111	1121
Bowly, Franklin H., assignor of one-half to D. J. Runyon, New York, N. Y. Tobacco-pipe	768,508	Aug. 23	4851	1017	111	2175
Bowman, Albert T. (See Herman, Charles V., assignor.)						
Bowman, Arthur M., Bellevue, assignor of one-half to C. M. Clarke, Pittsburg, Pa. Railway-tie	752,753	Feb. 23	3735	832	108	1923
Bowman, Arthur M., Avalon, assignor of one-half to C. M. Clarke, Pittsburg, Pa. Railway-tie	763,538	June 28	3814	825	110	2329
Bowman, Ben. (See Bashaw, George W., assignor.)						
Bowman, Charles M., Lebanon, Pa. Hose-drier	758,168	Apr. 26	3900	846 847	109	2233
Bowman, Charles M., Lebanon, Pa. Hose-drier	766,985	Aug. 9	1763	370	111	1452
Bowman, Charles M., Lebanon, Pa. Hose-drier	766,986	Aug. 9	1765	370	111	1453
Bowman, Charles M., assignor to Rotary Fire Hose Drier Co., Lebanon, Pa. Hose-drier	774,305	Nov. 8	1488	320	113	833
Bowman Continuous Automatic Brake Company. (See Gasmier, Frederick W., assignor.)						
Bowman, Elhanan, Elmwood, Canada. Snow-plow	775,293	Nov. 22	3536	745	113	855
Bowman, Eugene C. (See Speer and Bowman.)						
Bowman, Francis H., Lynn, Mass., assignor to General Electric Company. Electrostatic instrument	771,968	Oct. 11	1501	339	112	1292
Bowman, Francis M., Colfax, Wash. Belt-stretcher	752,950	Feb. 23	4157	927	108	2016
Bowman, Grant J. (See Wing, Augustus M., assignor.)						
Bowman, Guy C., et al. (See Burkholder, John H., assignor.)						
Bowman, Newton K., North Lawrence, Ohio. Mine-gate	777,835	Dec. 20	2709	596	113	2050
Bowman, Oliver P., assignor, by mesne assignments, to Morrison Automatic Safety Valve Company, Toledo, Ohio. Automatic safety-valve and angle-cock	772,919	Oct. 25	3440	746	112	1759
Bowman, Robert L., Pineville, Ky. Cooling and lubricating crank-case engines	771,703	Oct. 4	941	212	112	1160
Bowman, Ulysses A., Tompkinsville, Ky. Fruit corer and divider	709,586	Sept. 6	865	185	112	196
Bowman, William C., Oakland, Cal. Adjustable ironing-board	771,856	Oct. 11	1262	282	112	1243
Bowne, John D., New York, N. Y. Damper-regulator	775,468	Nov. 22	3912	837	113	941
Bowness, Walter S., and C. L. Jones, Moncton, Canada. Drawing instrument	761,197	May 31	5222	1169	110	1220
Bowness, Walter S., and C. L. Jones, Moncton, Canada. Drawing instrument	764,083	July 5	240	44	111	56

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Bowring, John C., Sydney, New South Wales, Australia. Spark-arrester for locomotive or other boilers.	767,860	Aug. 16	3467	738	111	1848
Box, William, Yankton, S. D. Door-fastener	760,951	May 24	4724	1006	110	1104
Box, William A., assignor of one-half to E. Y. Sayer, Denver, Colo. Power-driven rock-drill	748,693	Jan. 5	270	62	108	60
Boyce, Charles L., Detroit, Mich., assignor to Western Electric Company, Chicago, Ill. Telephone-desk standard	770,157	Sept. 13	1917	408	112	449
Boyce, James C., assignor to Oil Well Supply Company, Pittsburg, Pa. Casing-head and tubing-anchor	750,428	Jan. 26	3724	809	108	880
Boyce, Mary H., Grand Haven, Mich. Garment-supporter	755,464	Apr. 5	555	115	109	1460
Boyd, Alfred S., Rockville, Ind. Pruning-shears	752,436	Feb. 16	3124	604	108	1769
Boyd, Duncan W., Chicago, Ill. Fireproof flooring	755,516	Nov. 22	4001	844	113	960
Boyd, Gaston S., assignor of one-third to H. S. Boyd, Russell, Iowa. Automatic corn-planter and marker	756,153	Mar. 29	5716	1262	109	1315
Boyd, Harry E., Wheeling, W. Va., assignor to National Tube Company, Pittsburg, Pa. Threading mechanism	771,528	Oct. 4	618	138	112	1091
Boyd, Herbert S. (See Boyd, Gaston S., assignor.)						
Boyd, James D., et al. (See Broome, Henry, assignor.)						
Boyd, James H., Washington, D. C. Incubator	749,356	Jan. 12	1648	350	108	396
Boyd, John, Bothwell, Scotland. Mechanism for guiding and applying tension to spinning-die-driving bands.	752,647	Feb. 23	3542	788	108	1880
Boyd, John, Bothwell, Scotland. Mechanism for driving flier or like spindles of spinning, twisting, winding, or like machines.	765,913	July 26	4031	861	111	918
Boyd, John, Bothwell, Scotland. Mechanism for guiding and applying tension to spinning-die-driving bands.	778,737	Dec. 27	4479	980	113	2443
Boyd, Sallie T., near Glasgow, Ky. Fire-extinguishing composition, &c.	776,011	Nov. 29	5038	113	1203	
Boyd, Stephen L., Kosciusko, assignor of one-half to W. A. Campbell, Hesterville, Miss. Ironing-board	755,103	Mar. 22	3721	817	109	866
Boyd, William S., 3d, Los Angeles, Cal. Railway-switch	760,054	May 17	2948	615	110	698
Boyd, William S., 3d, Los Angeles, Cal. Spectacle or eyeglass support.	765,914	July 26	4032	861	111	918
Boynton, William H. (See Junken and Tredwell, assignors.)						
Boyer, Addison J., et al. (See Warner, Isaac M., assignor.)						
Boyer, Allen P., Goshen, Ind. Swing	769,298	Sept. 6	329	75	112	70
Boyer, Allen P., Goshen, Ind. Swing	769,399	Sept. 6	333	76	112	72
Boyer, Allen P., Goshen, Ind. Step-ladder	777,068	Dec. 13	1220	267	113	1714
Boyer, Allen P., Goshen, Ind. Step-ladder	777,069	Dec. 13	1221	267	113	1715
Boyer, Fernand, Paris, France, and G. Baum, Rorschach, Switzerland. Loom for the manufacture of oriental carpets.	768,250	June 21	3232	696	110	2182
Boyer, George W., Desoto, Mo. Eaves-trough cleaner	753,660	Mar. 1	846	190	109	184
Boyer, George W., Desoto, Mo. Clister	757,252	Apr. 12	2065	451	109	1799
Boyes, David W., Grand Rapids, Mich. Mold for concrete structures	761,141	May 31	5125	1089	110	1209
Boykin, Christopher C., Norfolk, assignor of one-half to G. W. Face, Jr., Hampton, Va. Paper punch or perforator	749,021	Jan. 5	933	197	108	217
Boylan, Thomas, Elk Mountain, Wyo. Railway-rail	760,303	May 17	3426	723	110	805
Boyle, Daniel, Livingston, Mont. Lock for railway-switches.	751,372	Feb. 2	1109	251	108	1294
Boyle, Frank. (See Lowe, Albert S., assignor.)	778,738	Dec. 27	4481	981	113	2443
Boyle, Hugh C., and J. Mamm, Elizabeth, N. J. Envelop for wire coils	777,395	Dec. 13	1829	404	113	1848
Boyle, James E., Lancaster, Pa. Mounting for frameless eyeglasses, spectacles, or the like	778,528	Dec. 27	4108	894	113	2261
Boyle, John B., Baltimore, Md. Cuff-holder	765,074	July 12	2474	493	111	531
Boyle, John B., Baltimore, Md. Cuff	765,123	July 12	2471	516	111	553
Boyle, McKinley, assignor to Continental Car and Equipment Company, New York, N. Y. Dumping-car	764,417	July 5	1088	211	111	280
Boynton, Arthur J. (See Vaughan, McClure, and Boynton.)						
Boynton Furnace Company. (See Kniffin, George G., assignor.)						
Brabant, Julius J. (See Roberge and Brabant.)						
Brabrook, George, assignor to Reed & Barton Corporation, Taunton, Mass. Knife	768,356	June 28	3464	748	110	2254
Brabrook, George H., Taunton, Mass. Eyelet	759,804	May 10	2462	515	110	573
Brabrook, George H., Taunton, Mass. Tubular rivet or stud	777,937	Dec. 20	2944	647	113	2097
Brabson, Frank. (See Bruen, William, assignor.)						
Brach, Isidor, Philadelphia, Pa. Atomizer	760,177	May 17	3205	672	110	755
Brachhausen, Gustav A., assignor to Regina Music Box Company, Rahway, N. J. Carriage-feed device for music-boxes	757,018	Apr. 12	1616	350	109	1700
Brackett, Earl. (See Petrie, William, assignor.)						
Bracktle, Wallace S., Oakland, Cal. Card-case	768,420	Aug. 23	4687	982	111	2140
Bradbury, Asa A., Exter, N. Mex. Ter. Gate	753,116	Feb. 23	4458	991	108	2085
Bradbury, Eugene A., assignor of one-half to G. Dickinson, Canon City, Colo. Suspension-cradle	761,058	May 31	4971	1053	110	1176
Bradbury, George E. (See Bradbury, James J., Jr., T., and G. E.)						
Bradbury, James J., Jr., T., and G. E. Congleton, England. Hand mortising-machine.	777,659	Dec. 20	2361	519	113	1976
Bradbury, Joseph, Jr. (See Bradbury, James J., Jr., T., and G. E.)						
Bradbury, Thomas. (See Bradbury, James J., Jr., T., and G. E.)						
Bradbury, William G. (See Reiss and Bradbury.)						
Braddock, Edward L., Winchester, Mass. Barrel-hoop	750,520	Jan. 26	3908	847	108	918
Braddock, Louis H. (See Hayes, John H., assignor.)						
Braden, Charles A., Butler, Pa., assignor to Braden Gas Engine Company. Engine. (Reissue)	12,255	Aug. 9	2500	523	111	1611
Braden Gas Engine Company. (See Braden, Charles A., assignor.) (Reissue.)						
Brader, John A., Allentown, Pa. Track-brake for cars	754,844	Mar. 15	3265	710	109	747
Bradfield, Herbert H., et al. (See Gilmour and Lindsay, assignors.)						
Bradfield, Mason, Los Angeles, Cal. Portable elevator	761,941	June 7	651	131	110	1582
Bradford, Chester, Indianapolis, Ind. Overflow-vent device for elevators	756,207	Apr. 5	24	5	109	1348
Bradford, Chester, Indianapolis, Ind. Bagging attachment for grain-elevators.	756,931	Oct. 12	1428	318	109	1663
Bradford, McDuffee, Nocona, Tex. Syrup-pitcher	772,207	Apr. 11	2010	443	112	1406
Bradford, William H. (See Lasher, Frank, assignor.)						
Bradford, William R., Florence, Ky. Buggy-boot spring	775,344	Nov. 22	3645	771	113	881
Bradley, Andrew J., New York, N. Y. Ball snap-fastener	770,955	Sept. 27	3487	736	112	836
Bradley, Andrew J., New York, N. Y. Adjustable printing-stamp	770,956	Sept. 27	3489	736	112	837
Bradley, Andrew J., New York, N. Y. Sign	773,539	Nov. 1	10	3	113	5
Bradley, Andrew B., et al. (See Griswold, George M., assignor.)						
Bradley, Artemus E. (See Warren, Eddie M., assignor.)						
Bradley, Arthur J., Oakland, Cal. Electrical sparking igniter for explosive-engines	762,574	June 14	1900	409	110	1869

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Bradley, Carl D. (See Eliel and La Burt, assignors.)						
Bradley, Carl D., et al. (See La Burt and Campbell, assignors.)						
Bradley, Charles S. Avon, N. Y. Apparatus for generating electric currents	775,891	Nov. 22	4758	1008	113	1122
Bradley, Edward E., assignor to Atwood-Morrison Company, Stonington, Conn. Rewinding-machine	755,212	Mar. 22	3919	867	109	906
Bradley, Edward E., assignor to Atwood-Morrison Company, Stonington, Conn. Spindle-driving mechanism	756,465	Apr. 5	551	115	109	1400
Bradley, George L., Pataha, Wash. Plow	753,468	Mar. 1	462	108	109	101
Bradley, George L., Mayview, Wash. Agricultural machine	704,034	July 5	241	44	111	56
Bradley, Harold E., Warwick, R. I. Electric signal	751,780	Feb. 9	1840	419 420	108	1466
Bradley, Henry A., assignor to Bradley Universal Heat, Light, and Power Company, New York, N. Y. Apparatus for the manufacture of gas	773,781	Nov. 1	468	103	113	110
Bradley, Henry L., New Haven, Conn. Machine for forming sheet-metal articles	750,581	Jan. 26	4027	871 872	108	941
Bradley, Henry L., New Haven, Conn. Blanking-machine	759,070	May 3	956	194 195	110	218
Bradley, Henry R. (See Fairbanks, John A., assignor.)						
Bradley, Herbert E., Lamoure, N. D. Wind-stacker	760,103	Aug. 2	14	3	111	1045
Bradley, John C., assignor to Pratt & Letchworth Company, Buffalo, N. Y. Molder's task-support	765,332	July 19	2869	590 600	111	657
Bradley, John J. (See Kappel, Henry, assignor.)						
Bradley, John J. & Robert J. B. (See Manahan, Dennis H., assignor.)						
Bradley, John M., assignor of two-thirds to I. J. McGeogh and H. A. Connelly, Philadelphia, Pa. Metal-cutting saw	769,464	Sept. 6	647	139	112	148
Bradley, Peter B. (See Wolfe, Wiltzie F., assignor.)						
Bradley, Silas W., Cornwall, Canada. Bearing-box	769,051	Aug. 30	5989	1255	111	2445
Bradley Universal Heat, Light, and Power Company. (See Bradley, Henry A., assignor.)						
Bradley, William E., assignor to Nichols and Shepard Company, Battlecreek, Mich. Chaffier for freshening-machines	755,441	Mar. 22	4347	963	109	997
Bradley, William H., Portland, Oreg. Bicycle attachment	754,043	Mar. 8	1642	368	109	378
Bradley, William H., Bellevue, Pa. Gas-burning apparatus	758,294	Apr. 25	4165	899	109	2258
Bradshaw, Alfred E. (See Dawson, Robertson, and Bradshaw.)						
Bradshaw, Arthur F., Bieber, Cal. Coin-controlled liquid-dispensing apparatus	768,509	Aug. 23	4852	1017 1018	111	2175
Bradshaw, Arthur T., Philadelphia, Pa. Cooking and warming apparatus	764,107	July 5	394	76	111	86
Bradshaw, George B. (See Sanderson and Bradshaw.)						
Bradshaw, Robert Y., Chicago, Ill. Receiptacle	766,587	Aug. 2	910	191	111	1241
Bradshaw, Walter L., Cambridge, Mass. Switch attachment for cluster electric fixtures	760,319	Aug. 2	866	77	111	1121
Bradshaw, Walter L., Cambridge, assignor to Keough Brothers & Company, Boston, Mass. Electric switch	773,467	Oct. 25	4705	994	112	2040
Bradwell, Herbert A. (See Austin and Bradwell.)						
Brady Bros. and Kerber. (See Mahon, Bernard I., assignor.)						
Brady, Francis W., Englewood, N. J. Tool for cleaning drilled holes	751,253	Feb. 2	904	206	108	1249
Brady, Francis W., Englewood, N. J., assignor to Electric Boat Company, New York, N. Y. Means for expelling torpedoes	765,305	July 19	2799	584	111	642
Brady, George, Jackson, Mich. Concrete-block machine	777,070	Dec. 13	1222	268	113	1715
Brady, George W., and L. R. Jones, Wheaton, Ill. Rail contact-shoe	749,716	Jan. 19	2383	504	108	509
Brady, George W., and L. R. Jones, Wheaton, Ill. Rail contact-shoe and support therefor	751,974	Feb. 9	2259	506	108	1350
Brady, John A. (See Pease and Brady.)						
Brady, John D. (See Kellogg and Brady.)						
Brady, John H., Baltimore, Md. Transposing-keyboard	750,083	Jan. 19	3098	665	108	720
Brady, Thomas H., New Britain, Conn. Sister-hook	755,841	Mar. 29	5141	1137	109	1192
Brady, Thomas H., New Britain, Conn. Roller chafe-iron	768,715	June 28	4156	905	110	2462
Brady, W. H. S. (See Sampson, Ples H., assignor.)						
Brady, William, San Francisco, Cal. Rock-drill	769,465	Sept. 6	648	139	112	148
Brain, Henry, assignor to Inventors Novelty Manufacturing Company, Paterson, N. J. Folding sample-case	776,451	Nov. 29	5866	1239	113	1394
Brastad, Ole S., and J. L. La Cour, Karlsruhe, Germany. Electrical machine	772,400	Oct. 18	2408	528	112	1517
Bragunier, John D., Washington, D. C. Tilting garbage-receptacle	768,579	Aug. 30	5018	1052	111	2228
Brahen, Philip J., assignor to American Restoring Company, Hartford, Conn. Stone-cleaning composition and making same	754,417	Mar. 15	2409		109	551
Brain, William H., Vancouver, Canada. Railway-switch	751,254	Feb. 2	905	206	108	1249
Brainard, Sidney W., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fluid-pressure engine	769,247	Sept. 6	217	51, 32	112	47
Brainard, Sidney W., assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Piston and piston-rod	769,248	Sept. 6	220	52	112	48
Brainerd, Jonathan M., Rome, N. Y. Film-developing machine	768,357	June 28	3465	748 749	110	2254
Brakebill, Benjamin F., Pinhook Landing, Tenn. Harrow	749,158	Jan. 12	1232	264	108	302
Braly, Hugh L., Clarendon, Tex. Road-grader	756,323	Apr. 5	255	53	109	1398
Braly, Walter M., Blackwell, Okla. Ter. Machine for calculating interest and percentage	770,710	Sept. 30	2994	636 637	112	708
Braybach, Alvin, New York, N. Y., assignor to R. H. Lanyon, Chicago, Ill. Piano-tuner. (Reissue.)	12,278	Oct. 25	4882	1030	112	2081
Brammer, Henry, St. Louis, Mo. Articulating device for joints of mechanical elements	760,416	May 24	3632	768	110	566
Brammer, Henry, St. Louis, Mo. Mechanical movement	764,172	July 5	323	103	111	116
Brammer, Henry F., Davenport, Iowa. Mechanical movement	751,606	Feb. 9	1518	345	108	1400
Branch, Joseph W., assignor to Falkensau-Sinclair Machine Company, Philadelphia, Pa. Hydraulic-pressure apparatus	778,168	Dec. 20	3576	742	113	2187
Branch, Elza D., Chardon, Ohio. Dumping-wagon	750,084	Jan. 19	3095	666	108	720
Branch, Joseph G., St. Louis, Mo. Vapor-burner	762,129	June 7	983	204	110	1650
Brand, Charles S., Knowle, England. Apparatus for the extraction of zinc	775,359	Nov. 22	3081	751	113	889
Brand, Charles S., Knowle, England. Apparatus for the extraction of zinc	773,360	Nov. 22	3682	781	113	790
Brand, Harry, Oakland, Cal. Portable building apparatus	760,178	May 17	3295	672 673	110	556
Brand, Louis, Los Angeles, Cal. Picture-frame	759,840	May 10	2636	531	110	588
Brand, Silas H. (See Gray and Brand.)						
Brandan, Christopher C. (See Ziegler and Brandan.)						
Brandenburg, Herman F., Louisville, Ky. Combined cigar cutting and branding device	764,035	July 5	243	44	111	56
Brandenburg, Joseph W., Dayton, Ohio. Burial-vault	769,587	Sept. 6	866	185	112	196
Brandes, Herman H., Corydon, Ky. Pencil-sharpener	759,499	May 10	1876	377	110	445
Brandes, Hermann. (See Mandelstam and Brandes.)						
Brandon, Arthur H., Pemberville, Ohio. Fishing-tool	759,416	May 10	1716	347	110	408

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Brandon, Arthur H., Pemberville, Ohio. Fishing-tool	772,864	Oct. 18	3312	723	112	1718
Brandon, James S., Cheyenne, Wyo. Vehicle attachment for taking up and distributing wire	763,340	June 21	3395	738	110	2217
Brandt, Abraham L., Homestead, Iowa. Pitman for mowing-machines	763,954	July 5	10	3	111	4
Brandt, Abraham L., Homestead, Iowa. Corn-harvester	765,545	July 19	3394	690	111	748
Brandt, Andrew G., Scranton, Pa. Billiard-cue tip and fastener	772,532	Oct. 18	2712	596	112	1582
Brandt, Charles. (See Eberstein, August, assignor.)						
Brandt, Charles, <i>et al.</i> (See Eberstein, August, assignor.)						
Brandt, Charles E., <i>et al.</i> (See Eberstein, August, assignor.)						
Brandt, Edward J., Watertown, Wis. Sales-book	764,173	July 5	525	104	111	116
Brandt, Henriette, New Brighton, N. Y. Folding bed	763,356	June 28	3470	749	110	2255
Brandt, Paul, Schöneberg, near Berlin, Germany. Galvanic element or battery	775,892	Nov. 22	4760	1009	113	1122
Brandt, Petter, Chicago City, Minn. Poison-distributor	772,454	Oct. 18	2519	352	112	1541
Brandt, Rudolph, Athens, Ga. Kettle	750,159	Jan. 19	3323	695	108	750
Branner, Bernard, New York, N. Y. Fabric trimming	774,555	Nov. 8	1956	424	113	452
Brannock, Samuel T., assignor to Brannock Stove Pipe Co., Northview, Mo. Stove-pipe	751,143	Feb. 2	662	152	108	1201
Brannock Stove Pipe Co. (See Brannock, Samuel T., assignor.)						
Brannon, Patrick P., Armenia, San Salvador, assignor of one-half to E. W. Conable, Roswell, Colo. Cattle-guard	751,373	Feb. 2	1111	251	108	1294
Brannon, Patrick P., Armenia, San Salvador, assignor of two-thirds to E. W. Conable, Roswell, Colo., and J. Jenkins, San Salvador, Central America. Padlock	765,546	July 19	3397	691	111	748
Brannon, Virgil C., Sweetwater, Tex. Pistol-case	769,428	Sept. 6	509	124	112	129
Branson, Herschel L., Kankakee, Ill. Music-chart	766,215	Aug. 2	127	23,24	111	1069
Brantingham, Allen C., Toledo, Ohio. Dust-collector	750,342	Jan. 26	3577	775	108	847
Brantley, John C., Valdosta, Ga., and J. C. Brantley, Marksville, Miss. Liquid-measure	748,694	Jan. 5	273	62,63	108	60
Brantley, Henry C. (See Brantley, Henry J., and J. C.)						
Brasemann, Gustav, Darmstadt, and F. Lünemann, Ruhrort, Germany. Apparatus for heating or cooling liquids	758,045	Apr. 26	3671	796	109	2183
Brashears, William J., Wilms, assignor, by mesne assignments, to C. J. Heppe & Son, Philadelphia, Pa. Sounding-board for pianos	750,248	Jan. 26	3396	734	108	804
Brasington, John M., Bennettville, S. C. Threshing-machine	759,417	May 10	1717	348	110	409
Brasseur, Charles L. A., New York, N. Y. Stereoscopic color image and making same	749,159	Jan. 12	1234	265	108	302
Brasseur, Ernest. (See Dick and Brasseur.)						
Braten, Andrew A., Bozeman, Mont. Display-fixture	763,041	June 21	2826	610	110	2091
Bratlie, Birgit, Brooklyn, N. Y. Invalid-lifting apparatus	753,198	Feb. 16	2633	588	108	1667
Bratlin, John T., Irvington, and W. G. Ressler, Newark, N. J. Finger-exerciser for students of type-writing	762,020	June 7	791	161	110	1610
Brauchli, Jacob, Hampton, Va. Boat-launching apparatus	759,340	May 10	1558	314	110	374
Brauer, George, Sacramento, Cal. Ratchet-wrench	757,878	Apr. 19	3329	721	109	2088
Braun, Adolf. (See Eichengrün and Braun.)						
Braun, Ferdinand, Strassburg, Germany. Wireless electric transmission of signals over surfaces	750,429	Jan. 26	3726	809	108	880
Braun, Ferdinand, Strassburg, Germany. Means for tuning and adjusting electric circuits	763,345	June 21	3462	740	110	2219
Braun, Ferdinand, Strassburg, Germany. Producing quick electrical oscillations of different phases	776,380	Nov. 29	5725	1211	113	1361
Braun, Frederick W. (See Cary, Henry B., assignor.)						
Braun, Henry. (See Cable, Daniel J., assignor.)						
Braun, Henry. (See Miller, John J., assignor.)						
Braun, Jacob D., Fulton, Mo. Wire-tightener	761,871	June 7	327	104	110	1558
Braun, John M., Chicago, Ill. Legging	758,349	Apr. 26	4233	920	109	2316
Braun, Joseph F., <i>et al.</i> (See Ruehs, Charles L., assignor.)						
Braun, Otto, Cologne, Germany. Water-meter	752,326	Feb. 16	3908	648	108	1724
Braun, Robert, Elgin, Ill. Spring-gun	768,028	Aug. 23	3845	804	111	1945
Braun, William, Brooklyn, N. Y. Brush	748,917	Jan. 5	606	133	108	157
Braungart, George, Jr., Chicago, Ill. Stuffing-box for gas-compressors	759,659	May 10	2184	448	110	511
Braunwalder, John, Chicago, Ill. Air or gas compressor	764,706	July 12	1665	339	111	380
Brautigam, S. P., <i>et al.</i> (See Stanley, Charley H., assignor.)						
Braverman, Alfred, Fresno, Cal. Mask	772,273	Oct. 11	2144	469	112	1487
Bravi-Bertini, Carlo, Perth Amboy, N. J. Disinfecting attachment for telephones	753,466	Mar. 1	460	108	109	101
Bray, Charles W., assignor to American Sheet and Tin Plate Company, Pittsburg, Pa. Heating-furnace	763,847	June 28	4411	950	110	2456
Bray, Charles W., Pittsburg, Pa., assignor to American Tin Plate Company. Rolling-mill feed mechanism	767,730	Aug. 16	3202	674	111	1787
Bray, Charles W., assignor to American Tin Plate Company, Pittsburg, Pa. Rolling-black plates or sheets	767,731	Aug. 16	3203	674	111	1788
Bray, John F. (See Duke and Bray.)						
Bray, John W., Leeds, England. Incandescent gas-burner	750,018	Jan. 19	2976	637	108	697
Bray, John W., Leeds, England. Atmospheric burner for incandescent gas-lighting	755,213	Mar. 22	3920	867	109	906
Bray & Kates. (See Kates, Anthony T., assignor.)						
Bray, Mellen, Newton, Mass. Indicator for liquid-receptacles	762,575	June 14	1901	409	110	1869
Bray, Mellen, Newton, Mass. Indicator for liquid-receptacles	763,716	June 28	4157	906	110	2462
Bray, Nicholas, Dubuque, Iowa. Fastener	762,876	June 21	2525	547	110	2025
Bray, Stephen T. J., Moscow, Russia. Steam-boiler	763,359	June 28	3472	749	110	2256
Braymer, Clifton W. (See Braymer, Forrest V., assignor.)						
Braymer, Forrest V., assignor of one-third to C. W. Braymer, Blooming Valley, Pa. Atomizer	750,521	Jan. 26	3909	847	108	918
Brayshaw, Shipley N., Manchester, England. Apparatus or furnace for hardening steel cutters or other tools	769,032	Aug. 30	5991	1255	111	2446
Brdzda, Theodor, Amstetter, Austria-Hungary. Apparatus for feeding water to steam-boilers	759,660	May 10	2186	449	110	501
Brazell, David H., Franklin, Tex. Swingletree	777,774	Dec. 20	5363	567	113	2021
Brazie, Arthur, <i>et al.</i> (See Williamson, Henry, assignor.)						
Breakeil, Thomas, Wirksworth, near Derby, England. Apparatus for grinding or crushing	753,537	Mar. 1	620	140	109	135
Breard, Alfred E., E. Paris, France. Objective for kinematographic or like projections	775,000	Nov. 15	2875	614	113	680
Breaux, Alexander, administrator. (See Breaux, Donald A.)						
Breaux, Donald A., deceased, Leroy, La.; A. Breaux, administrator. Fastener	763,955	July 5	11	3	111	5

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Breck, Charles J., and C. R. Freeman, New York, N. Y. Cap	766,419	Aug. 2	551	116	111	1161
Breck, Joseph H., Bristol, N. H. Expandible oil	763,251	June 21	3337	699	110	2183
Breckenridge, Clarence W., Findlay, Ohio. Belt-fastener	770,450	Sept. 20	2493	529	112	506
Breckenridge, Edward E., assignor to himself, I. J. Nickum, and G. Ohde, Jr., Manning, Iowa. Cartridge-loader	772,865	Oct. 18	3315	723	112	1714
Breckenridge, Hickson O., Bigstone, S. D. Clothes-line pole or support	773,215	Dec. 27	3463	762	113	2222
Breckenridge, John G., Springfield, Ohio. Candy-pulling machine	753,353	Mar. 1	247	56	109	50
Breda, Halvor, Berlin, Germany. Apparatus for sifting water	758,295	Apr. 26	4166	899	109	2288
Bredannaz, Louis, Toronto, Canada. Feed-roller for rag-pickers	769,680	Sept. 6	1038	224	112	237
Bredannaz, Louis, Toronto, Canada, and P. J. Follin, Lisieux, France. Rag-picker	773,102	Dec. 20	3253	714	113	2158
Bredemeier, Edward W., Chicago, Ill. Sample-card book	757,359	Apr. 12	2333	512	109	1859
Bredt & Co., Otto. (See David, Johann, assignor.)						
Breedlove, Claude W., and R. R. Grant, Berkley, Va. Electrically-operated railway-switch	749,160	Jan. 12	1235	265 266	108	303
Breen, William J., Mahwah, N. J. Core-drying oven	758,409	Apr. 26	4387	943 944	109	2339
Breese, Alfred, London, England. Stocking-suspender	768,928	Aug. 30	5736	1205	111	2359
Breese, Alfred, London, England. Adjustable bracket	768,929	Aug. 30	5737	1206	111	2390
Breese, Charles P., Norfolk, Va., and A. J. Wilson, Westfield, N. J., assignors to Hall Signal Company. Signal system for electric railways	751,048	Feb. 2	487	114	108	1166
Breheny, Daniel G., New York Mills, N. Y. Spindle-brake	752,159	Feb. 16	2654	588	108	1617
Brehm, Daniel, assignor to A. F. Wendel, Hazleton, Pa. Curtain-pole	753,321	Mar. 1	1212	273	109	220
Brehm, Daniel, assignor of one-half to A. F. Wendel, Hazleton, Pa. Curtain-pole	754,917	Mar. 15	3385	740	109	773
Brehm, Frederick W., assignor to Gundlach Optical Company, Rochester, N. Y. Photographic camera	749,126	Jan. 5	1153	245	108	207
Brehm, Frederick W., assignor to Gundlach Optical Company, Rochester, N. Y. Photographic camera	749,127	Jan. 5	1155	245	108	267
Breiding, Henry, Sterling, Ill. Holdback-hook	752,023	Feb. 16	2337	523	108	1595
Breitenstein, Julius G., Chicago, Ill. Button	769,053	Aug. 30	5992	1255	111	2440
Breitestein, Harry, Richmond, Va. Chopping device	749,357	Jan. 12	1649	351	108	307
Brejcha, Josef, Strassburg-Neudorf, Germany. Apparatus for rinsing the cores of rock-drilling machines	766,588	Aug. 2	911	192	111	1241
Breisford, John E. (See Lutz, John W., assignor.)						
Bremer, Ewald, Mariupol, Russia. Oven for cooking peat with recovery of by-products	769,531	Sept. 6	772	166 167	112	175
Bremer, Hugo, Neheim, Germany. Electrical heat-motor	764,518	July 5	1250	257	111	273
Bremer, Hugo, Neheim, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electric arc lamp	777,490	Dec. 13	2008	443 444	113	1887
Bremer Linoleumwerke-Delmenhorst. (See Gripp, Friedrich O., assignor.)						
Bremer Linoleumwerke-Delmenhorst. (See Seeser, Ludwig W., assignor.)						
Bremer, Otto A., and F. H. Grothe, Burlington, Iowa. Trunk attachment	764,656	July 12	1571	320	111	359
Bremer, Peter, Coulter, Pa. Elevator safety device	763,144	June 21	3034	653 654	110	2137
Bremner, David F., Jr., Chicago, Ill. Machine for wrapping packages	753,661	Mar. 1	847	191 192 193	109	184
Brenck, Charles, et al. (See Hachmann, Frederick, assignor.)						
Brendel, Carl, Tschupackowka, Russia. Apparatus for the prevention of seasickness	769,466	Sept. 6	650	139	112	148
Brendel, William. (See Audlauer, Raymond, assignor.)						
Brenholtz, Clayton S. (See Link and Brenholtz.)						
Brening, John, Jr., McCook, Mo. Oil-burner	772,496	Oct. 18	2611	575	112	1560
Brenizer, Lovell T., Kansas City, Mo. Kitchen-cabinet	766,661	Aug. 2	1069	223	111	1277
Brennan, Daniel, Jr., Haverstraw, N. Y. Traction-train	776,994	Dec. 6	1063	230 231	113	1663
Brennan, George T., Coraopolis, assignor of one-half to C. H. Hatton, Emlington, Pa. Journal-lubricator	771,411	Oct. 4	393	87	112	1040
Brennan, James M. (See Brown, William E., assignor.)						
Brennan, John A., West Orange, N. J. Vehicle-wheel	763,145	June 21	3035	653	110	2138
Brennan, John S., Milwaukee, Wis. Radiator connection	750,582	Jan. 26	4034	872	108	942
Brennan, Mary H. (See Johnson, Carol E., assignor.)						
Brennan, Patrick H., Syracuse, N. Y. Gas-engine	754,418	Mar. 15	2410	527 528 529	109	561
Brennan, Patrick H., Syracuse, N. Y. Transmission-gear	754,638	Mar. 15	2856	624 625	109	656
Brennan, Paul C., Long Island City, N. Y. Portable sand-drier	752,754	Feb. 23	2736	833	108	1923
Brennenstuhl, Lawrence A., and M. Sulkin, Boston, Mass. Window	776,121	Dec. 6	503	111	113	1538
Brenner, Franklin T., Quincy, Ill. Apparatus for heating air	765,547	July 19	3300	692	111	749
Brenner, Frederick, Cincinnati, Ohio. Composite barrel-stave	750,019	Jan. 19	2977	637	108	697
Brenner, Joachim, Gainfarn, Austria-Hungary. Dyeing wood	755,993	Mar. 29	5430	109	109	1255
Brent, Charles D., Cromwell, Otago, New Zealand. Fastener for shoes	753,370	Mar. 22	4027	809	109	929
Brent, Joseph D., Raymond, Miss. Nut-lock	753,117	Feb. 23	4460	992	108	2065
Brenzinger, Julius, assignor to Max Ams Machine Company, New York, N. Y. Cover for jars or other vessels	761,652	June 7	42	7	110	1445
Bresemann, August, Chicago, Ill. Supporting-roller for embossing-machines	753,062	Mar. 1	855	193	109	185
Bresnahan, Maurice V. (See Heys, John J., assignor.)						
Bretch, Edward. (See Pillsbury and Bretch.)						
Bretch, Edward, St. Louis, Mo. Electric motor	772,083	Oct. 11	1753	390 391	112	1350
Bretney, Eugene. (See Walsh and Bretney.)						
Bretney, Eugene and H. R., Indianapolis, Ind. Mechanical stoker	755,611	Mar. 29	4657	1034 1035	109	1079
Bretney, Harry R. (See Bretney, Eugene and H. R.)						
Brett, Henry E. (See Calkins, Albert C., assignor.)						
Brett, Henry E., and A. B. Benton, assignors of one-third to W. L. Wills, Los Angeles, Cal. Cremating-furnace	771,412	Oct. 4	393	87, 88	112	1040
Brett, William H., Cleveland, Ohio. Shelf book-support	767,037	Aug. 9	1856	389	111	1474
Brett, William P., Decatur, Ill. Windmill-pitman and means for its automatic lubrication	756,775	Apr. 5	1109	245	109	1580
Brett, William P., Decatur, Ill. Windmill	758,296	Apr. 26	4168	899 900	109	2289
Brett, William P., Decatur, Ill. Windmill-pitman and means for its automatic lubrication	763,360	June 28	3474	750	110	2256
Brett, William P., Decatur, Ill. Windmill	766,062	Aug. 2	1073	223	111	1279
Breul, Richard A., Bridgeport, Conn. Miter-square	768,324	Aug. 23	4466	938	111	2084
Breunig, Herman, New York, N. Y. Non-refillable bottle	756,324	Apr. 5	257	54	109	1399

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Brill, George M., and W. H. Heulings, Jr., assignors to J. A. Brill, Philadelphia, Pa. Car-						
Brill, John A. (See Adams, Walter S., assignor.)	755,350	Mar. 22	4182	924	109	962
Brill, John A. (See Brill and Heulings, assignors.)						
Brill, John A. (See Bucknam, Ezra S., assignor.)						
Brill, John A. (See Curwen, Samuel M., assignor.)						
Brill, John A. (See Haddock, Henry E., assignor.)						
Brill, John A. (See Hensley, Charles G., assignor.)						
Brill, John A. (See Pickles, Charles K., assignor.)						
Brill, John A. (See Price, William G., assignor.)						
Brill, John A., Philadelphia, Pa. Panel for convertible cars	759,661	May 10	2189	450	110	512
Brill, John A., Philadelphia, Pa. Maximum-traction truck	760,179	May 17	3309	673	110	756
Brill, John A., Philadelphia, Pa. Maximum-traction truck	760,180	May 17	3210	673	110	757
Brill, John A., Philadelphia, Pa. Convertible car	760,379	May 17	3357	749	110	834
Brill, John A., Philadelphia, Pa. Maximum-traction car-truck	760,380	May 17	3560	750	110	835
Brill, John A., Philadelphia, Pa. Semiconvertible car	771,259	Oct. 4	622	139	112	1091
Brill, John A., and W. S. Adams, Philadelphia, Pa.; said Adams assignor to said Brill, Car-truck	761,353	May 31	5538	1180	110	1298
Brill, John A., and W. S. Adams, Philadelphia, Pa.; said Adams assignor to said Brill, Car-truck				1181		
Brill, John A., and W. S. Adams, Philadelphia, Pa.; said Adams assignor to said Brill, Car-truck	761,354	May 31	5548	1182	110	1302
Brill, Louis. (See Ladewig, Fred, assignor.)						
Brillé, Auguste E., Paris, France. Suspension device for differential gearing	771,456	Oct. 4	465	105	112	1057
Brillé, Auguste E., Paris, France. Fuel-feeding mechanism for internal-combustion motors.	774,034	Nov. 1	993	1208	113	225
				1209		
Brimmer, John F., et al. (See Deal, William M., assignor.)						
Brinckle, Addington L., Philadelphia, Pa. Device for connecting and disconnecting the talking-circuits of telephones	776,290	Nov. 29	5551	1175	113	1321
Brindle, Philip S., assignor to F. N. and F. M. Hammond, C. P. Mosher, Jr., C. E. Wool-						
man, and C. J. Pretzman, Columbus, Ohio. Nut-lock	752,025	Feb. 16	2339	323	108	1506
Brindle-Steele Company. (Steele and Wardwell, assignors.)						
Brindle, Thomas, and M. O. Steele, Pawtucket, R. I. Let-off for looms	755,104	Mar. 22	3723	818	109	866
Briner, Emil A., Philadelphia, Pa. Steam-generator	758,505	Apr. 26	4585	985	109	2385
Briney, Smith A., Brackenridge, Pa. Clothes-pin	766,870	Aug. 9	1534	367	111	1400
Brink, Carl A., Providence, R. I., and C. Christensen, Attleboro, Mass. Automatic loom.	758,895	May 3	638	123	110	151
Brink, Carl H. T., Wahlershausen, near Cassel, Germany. Crank-axle, axle-tree, or the like	778,169	Dec. 20	3377	742	113	2187
Brinkerhoff, William C., Chicago, Ill. Sash-lock	768,730	Aug. 30	5396	1124	111	2208
Brinkman, Louis H., assignor to Whitlock Coil Pipe Company, West Hartford, Conn. Apparatus for bending pipe	774,377	Nov. 8	1616	347	113	381
Brinley, Charles A., Philadelphia, Pa., assignor to American Pulley Company. Sheet-metal pulley	757,088	Apr. 12	1748	380	109	1730
Brinley, Charles A., Philadelphia, Pa., assignor to American Pulley Company. Ball-bearing sheave	772,062	Oct. 11	1608	265	112	1318
Brinser, Daniel G., Elizabethtown, Pa. Car-door	755,443	Mar. 22	4350	964	109	998
Brinton, Burtwin L., Bradford, Pa. Well pumping apparatus	751,499	Feb. 2	490	114	108	1166
Brinton, Walter, Highbridge, N. J. Stamp shoe or die	765,876	July 26	3962	845	111	902
Brinton, Walter, Highbridge, N. J. Safe or vault	771,704	Oct. 4	943	212	112	1161
Brintzinghoff, Charles P., Howard, Kans. Fastening device for drill-bits or the like	754,741	Mar. 15	3061	668	109	704
Brisby, George W. (See Jones, Edmond M., assignor.)						
Briscose, Benjamin. (See Puddfoot and Briscose.)						
Briscose, Joseph M., Marshall, Tex. Nut-wrench	777,238	Dec. 13	1523	398	113	1780
Briscose Manufacturing Company. (See McCausland, David, assignor.)						
Briscose Manufacturing Company. (See Puddfoot and Briscose, assignors.)						
Bristol, Mortimer L., West Hartford, assignor to Colt's Patent Fire Arms Manufactur-						
ing Company, Hartford, Conn. Cartridge-feeding device	752,648	Feb. 23	3545	789	108	1880
				790		
Bristol, William H., Hoboken, N. J. Record-sheet for recording instruments	748,918	Jan. 5	697	153	108	158
Bristol, William H., Hoboken, N. J. Thermo-electric element	764,174	July 5	526	111	116	
Bristol, William H., Hoboken, N. J. Thermo-electric couple	764,175	July 5	527	104	111	116
Bristol, William H., Hoboken, N. J. Thermo-electric couple	764,176	July 5	529	104	111	117
Bristol, William H., Hoboken, N. J. Thermo-electric couple	764,177	July 5	531	105	111	117
Bristol, William H., Hoboken, N. J. Thermo-electric couple	764,178	July 5	533	105	111	117
Bristol, William H., Hoboken, N. J. Temperature-compensating device for electrical measuring instruments	776,491	Dec. 6	21	6	113	1428
Bristow, Frederick, East Orange, N. J. Letter and document distributor	753,598	Mar. 1	621	141	109	136
Bristow, Michael G., Ottawa, Canada. Paper toy	775,645	Nov. 22	4299	908	113	1026
Bristow, Samuel, Topeka, Kans. Whirling toy	771,705	Oct. 4	952	213	112	1163
				74		
				75	113	81
Brittain, Perry L., Busch, Okla. Ter. Building-block-molding machine	773,709	Nov. 1	338	76		
Britelite Lamp Company. (See Moreau, Eugene, assignor.)						
British American Power Company. (See O'Neill, James M., assignor.)						
Brittain, J. B. (See Byers, James J., assignor.)						
Brittain, John B., Pensacola, Fla. Flue-cleaner	767,133	Aug. 9	2062	429	111	1518
Brittain, William P., Martinsburg, Iowa. Car-replacer	774,153	Nov. 8	1212	259	113	230
Britten, Joseph N., et al. (See Hepler, Fay F., assignor.)						
Britten, Thomas J., Watawatand Gold Fields, Transvaal. Apparatus for laying or settling the dust or pulverized rock created in boring or blasting holes in mining	766,165	Aug. 2	17	3, 4	111	1046
Britting, Frank C. (See Sherwin, Isaac S., assignor.)						
Britton, Horace E., Stoughton, Mass. Adjustable knife-blade holder	769,725	Sept. 13	1118	240	112	271
Britton, James A., Bethlehem, Pa. Hose puller and wringer	760,852	May 24	4725	1006	110	1104
Britton, Mary L., Marion, Ohio. Culinary sifter or strainer	776,640	Dec. 6	345	74	113	1504
Britton, Mary M., Reading, Pa. Hat-fastener	772,605	Oct. 18	2814	615	112	1604
Britton, Robb, Clifton, assignor to Frank H. Fleer & Company, Philadelphia, Pa. Vending-machine	756,154	Mar. 29	5717	1262	109	1316
				122		
Brixen, Hugo A., Gurnee, Ill. Harrow	748,887	Jan. 5	533	123	108	121
Bro, William J. (See Wolfe and Bro.)						
Broadbent, William, Salt Lake City, Utah. Pneumatic gold-separator	771,857	Oct. 11	1263	1283	112	1243
				284		
Broadbooks, Peter, Batavia, N. Y. Adjustable bench-vise	763,087	June 21	2920	629	110	2112
Broadhouse, John, North Finchley, England. Linotype for printing music typograph-	751,607	Feb. 9	1519	345	108	1401
ically				346		

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Broadhouse, John, London, England. Matrix or type-die.....	764,793	July 12	1838	³⁷⁶ 377 378	111	418
Broadwell, Edward C. (See Lyons and Broadwell.)						
Broadwell, Edward C., assignor to J. A. Lyons, Chicago, Ill., and S. A. St. rring, Springfield, Ohio. Extracting gold from rebellious ores.....	753,822	Mar. 1	1214	-----	109	260
Brobst, Jacob L. (See Brobst, James L. and J. L.)						
Brobst, James L. and J. L., San Mateo, Cal. Washboiler.....	762,576	June 14	1903	410	110	1870
Brochus, Benjamin M., et al. (See Burnett, William H., assignor.)						
Brock, Fenelon B., Washington, D. C. Automobile.....	774,556	Nov. 8	1957	425	113	453
Brock, James A., et al. (See Cunnock, Robert L., assignor.) (Reissue.)						
Brock, John G., Excello, Mo. Coal sieve or separator.....	763,362	June 28	3480	751	110	2258
Brock, Lawrence E., Celina, Ohio. Telephone selecting device.....	756,824	Apr. 12	1218	²⁷² 273	109	1621
Brock, Levi M., assignor to American Truss Fence Company, Pekin, Ill. Wire fabric.....	757,254	Apr. 12	2066	451	109	1800
Brockett, Atwater E., Revere, assignor to A. Cook, Malden, C. E. Hobbs and H. B. Black, Everett, Mass. Folding seat.....	765,808	July 26	3847	819	111	876
Brockman, J. B. (See Kitchen, George C., assignor.)						
Brockman, Rudolph. (See Helle and Brockman.)						
Brockschmidt, August, and P. Ryan, Pierce City, Mo. Folding egg-case.....	777,775	Dec. 20	2564	⁵⁶⁷ 568	113	2021
Brockton Supply Company. (See Lyon, Harry, assignor.)						
Brockway, Albert P., Tampa, Fla. Joint-coupling.....	750,343	Jan. 26	3581	775	108	848
Brockway, Richard W., and F. J. Meckensturm, Moodus, Conn. Gasoline-engine muffler.....	753,845	Mar. 8	1267	²⁸⁴ 285	109	293
Broderick, James E., Cincinnati, Ohio. Antifluctuator for gas service-pipes.....	764,269	July 5	719	146	111	159
Brodrick, William F., Vancouver, Canada. Means for securing valves to cans without the use of solder.....	776,215	Nov. 29	5412	1147	113	1289
Broestler, Herman E., assignor to Eimer & Amend, New York, N. Y. Hydrometer.....	748,838	Jan. 5	536	123	106	121
Broga, William W., Springfield, Mass. Snap-hook.....	759,805	May 10	2463	515	110	573
Broga, William W., Springfield, Mass. Snap-hook.....	759,806	May 10	2464	516	110	573
Brogmiez, Frantz, Detroit, Mich., assignor to Pfaudler Vacuum Fermentation Co., Rochester, N. Y. Aerating regulator.....	765,548	July 19	3302	692	111	749
Brogmiez, Frantz, Detroit, Mich., assignor to Pfaudler Vacuum Fermentation Co., Rochester, N. Y. Mechanism for regulating the admission of air to liquids.....	765,549	July 19	3305	⁶⁹² 693	111	750
Broken Hill Proprietary Company. (See Delprat, Guillaume D., assignor.)						
Brom, Simon, New York, N. Y. Toy.....	769,935	Sept. 13	1527	326	112	362
Bromley, John C., Rock Island, Ill. Boiler.....	751,453	Feb. 9	1241	283	108	1339
Bromley, Joseph H. (See Burgess, Arthur, assignor.)						
Bromley, Robert C., Pittsburg, Pa. Centralizing operating mechanism for valves.....	767,732	Aug. 16	3204	675	111	1788
Bromley & Sons, John. (See Hanson, Charles H. L., assignor.)						
Bronder, Gaston A., Brooklyn, N. Y. Gas-retort-charging apparatus.....	765,809	July 26	3848	⁸¹⁹ 820	111	876
Bronk, Charles L., New York, N. Y. Door-jamb-setting machine.....	751,050	Feb. 2	491	115	108	1167
Bronson, Adelbert E., Cleveland, Ohio. Multiple baking-pan.....	750,344	Jan. 26	3582	776	108	848
Bronson, Charles D., and E. F. Watson, Dayton, Ohio. Paper-fastener.....	767,512	Aug. 16	2802	585	111	1698
Bronson, Charles M., Labelle, Mo. Steam-boiler.....	773,049	Oct. 25	3706	797	112	1816
Bronson, Douglas B., assignor to Mineralac Company, Chicago, Ill. Cable-hanger.....	773,710	Nov. 1	3445	767	113	82
Bronson, George, Seattle, Wash. Fence.....	753,046	Apr. 26	3673	⁷⁹⁶ 158	109	2184
Brooke, Robert G., Macclesfield, England. Feed-water regulator.....	756,574	Apr. 5	736	¹⁵⁹ 160 161 351	109	1497
Brooke, Thomas V., Sutherland, Va. Antifiction seat-cover for riding-saddles.....	749,358	Jan. 12	1650	114	108	397
Brooke, Tom W., et al. (See Copeman, Thorn, assignor.)						
Brooker, Charles F., Ansonia, assignor to Coe Brass Manufacturing Company, Torrington, Conn. Rod-casting machine.....	756,325	Apr. 5	258	54	109	1399
Brookes, Harry, Stirlchley, near Birmingham, England. Protective band for pneumatic tires.....	750,249	Jan. 26	3897	⁷³⁴ 735	108	904
Brookfield, Henry M. (See Schorling, William H., assignor.)						
Brooklyn Cooperage Company. (See Pool, John F., assignor.)						
Brooks, Albert E., Lowell, Mass., assignor to T. C. Entwistle Company, Portland, Me. Expansion-comb for warping, beaming, or other machines.....	755,738	Mar. 29	4922	1096	109	1140
Brooks, Almond L., Columbus, Ind. Fish-trap.....	775,389	Nov. 22	3733	792	113	899
Brooks, Arthur A., Liverpool, England. Magazine plate-changing apparatus for photographic cameras.....	774,977	Nov. 15	2839	⁶⁰⁴ 605	113	672
Brooks, Bartholomew, Philadelphia, Pa. Combined match-box, cigar-cutter, and cork-screw.....	762,130	June 7	986	204	110	1651
Brooks, Benjamin, Springfield, and H. F. Metcalf, Holyoke, Mass. Individual selective system.....	766,806	Aug. 9	1409	²⁹⁴ 7 8	111	1374
Brooks, Byron A., Brooklyn, N. Y. Mechanism for preparing printing-surfaces.....	748,578	Jan. 5	24	⁹ 10 11	108	8
Brooks, Byron A., Brooklyn, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Tension device for key-levers of typewriters.....	759,807	May 10	2466	516	110	573
Brooks, Byron A., Brooklyn, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	773,848	Nov. 1	610	¹³⁰ 131	113	140
Brooks, Charles H., assignor to Merrell-Soule Company, Syracuse, N. Y. Machine for closing the ends of paper boxes.....	751,714	Feb. 9	1709	³⁸⁹ 390	108	1440
Brooks, Edward J., East Orange, N. J. Seal.....	750,020	Jan. 19	2979	627	108	698
Brooks, Edward J., East Orange, N. J. Seal.....	768,510	Aug. 23	4855	1018	111	2175
Brooks, Edward J., East Orange, N. J. Seal for screw-nuts or the like.....	770,257	Sept. 20	2113	444	112	510
Brooks, Everett W., et al. (See Nistle, George W., assignor.)						
Brooks, Fletcher H., Baltimore, Md. Making cork substitutes.....	774,645	Nov. 8	2117	-----	113	486
Brooks, Franklin W., Washington, D. C. Seal.....	758,896	May 8	639	127	110	151
Brooks, Franklin W., Washington, D. C. Sheet-metal seal.....	777,329	Dec. 13	1694	375	113	1818
Brooks, Frederick W., West Superior, Wis. Firearm.....	776,381	Nov. 29	5277	¹²¹¹ 1212	113	1361
Brooks, Guss A., Covington, Ky. Air-brake mechanism.....	759,858	May 17	2575	538	110	613
Brooks, Harry A., Los Angeles, Cal. Incubator or brooder and heat-controlling device therefor.....	772,866	Oct. 18	3317	724	112	1714
Brooks, Harry A., Los Angeles, assignor to Accountograph Company, Santa Paula, Cal. Accumulator.....	776,107	Nov. 29	5205	1099	113	1241

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Brooks, Hezekiah K., Bellows Falls, Vt., assignor to Casein Company of America. Casein compound and producing same.	750,048	Jan. 19	3026	-----	108	707
Brooks, Howard, Wheaton, assignor of one-half to J. W. Porter and M. A. Berg, Chicago, Ill. Electrical block-signal.	773,869	Oct. 25	4501	953	112	1998
Brooks, John C., Charleston, Ill. Plastic fence-post.	754,119	Mar. 8	1792	390	109	412
Brooks, John C., Charleston, Ill. Cornstalk-pulverizer.	761,441	May 31	5706	1214 1215	110	1338
Brooks, John C., Paterson, N. J., assignor to Draper Company, Hopedale, Mass. Loom.	764,553	July 12	1348	874	111	312
Brooks, John C., Paterson, N. J., assignor to Draper Company, Portland, Me. Lappet-loom.	775,893	Nov. 22	4762	1009	113	1122
Brooks, John C., Middletown, Conn., assignor to Draper Company, Hopedale, Mass. Loom-shuttle.	767,379	Aug. 16	2322	529	111	1634
Brooks, Margaret C. (See Troupe and Brooks.)						
Brooks, Richards T., Swarthmore, assignor to Keystone Type Foundry, Philadelphia, Pa. Perfuming-machine.	759,071	May 3	964	195	110	219
Brooks, Richards T., Swarthmore, assignor to Keystone Type Foundry, Philadelphia, Pa. Machine for perforating paper, &c.	778,006	Dec. 20	3070	675	113	2130
Brooks, Robert A., Chicago, Ill. Means for connecting valves in pipes or the like.	768,793	Aug. 2	1252	267	111	1319
Brooks, Roscoe A., Chicago, Ill. Toy pistol.	767,380	Aug. 16	2524	529	111	1634
Brooks, Rufus W., Portsmouth, Vt. Copy-holder.	765,725	July 26	3675	784	111	840
Brooks, William F., New Haven, Conn. Corset.	759,072	May 3	965	195	110	230
Broome, George W. (See Reese and Broome.)						
Broome, Henry, assignor of seven-twelfths to H. C. Pauly and J. D. Boyd, Springfield, Ohio. Pipe-coupling.	755,994	Mar. 29	5431	1200	109	1255
Broome, William H., Brooklyn, N. Y. Strainer for drive-wells.	753,846	Mar. 8	1269	285	109	294
Broomell, Albert P., York, Pa. Water-heating apparatus.	770,627	Sept. 20	2883	601	112	672
Broomfield, Austin, Craig, Miss. Planter attachment for plows.	768,938	Aug. 30	5605	1191	111	2372
Broomer, Jean, Mason City, Ill. Device for whipping draft-animals.	766,136	July 26	4474	958	111	1013
Brophy, John P., assignor to Cleveland Machine Screw Company, Cleveland, Ohio. Tur- ret mechanism for automatic lathes.	756,467	Apr. 5	554	116	109	1461
Brophy, Reuben C., Hinsdale, Ill. Combined blowpipe and burner.	760,099	May 17	3036	634	110	719
Bropson, James, Cleveland, Ohio. Roof-flashing for vent-pipes.	766,137	July 26	4475	958	111	1013
Borby, Jacob I., Shenandoah, Iowa. Hand-covering.	770,670	Sept. 20	2921	620	112	693
Brosi, Frederick T., Quincy, Ill. Gearing for washing-machines.	750,243	Jan. 19	3395	731	108	785
Brosig, Paul, Newport, R. I. Apparatus for making photographic negatives for the gela- tin-relief process.	778,105	Dec. 20	3258	715 716	113	2159
Brosnan, Michael, assignor of one-half to L. Garrow, Chicago, Ill. Apparatus for switching cars.	750,162	Jan. 19	3399	698	108	752
Brosnan, Michael, assignor of one-half to L. Garrow, Chicago, Ill. Grain-car.	766,871	Aug. 9	1535	322	111	1400
Brossmann, Charles, Jr., Indianapolis, Ind. Powdered-fuel-feeding device.	772,606	Oct. 18	2814	619	112	1604
Brossoit, James J., Granite, Mont. Machine for repairing drills.	755,351	Mar. 22	4184	924 925	109	963
Brostrom, Frank O., assignor to G. L. Richards, Boston, Mass. Machine for feeding off newspapers, &c.	768,930	Aug. 30	5738	1207 1207	111	2390
Brotelle, Octave N. H. J., Courcelles, Belgium. Weighing-scale.	769,445	Sept. 6	962	209	112	219
Brothers, Marion, Robertsville, Ohio. Building-block.	773,244	Oct. 25	4253	899	112	1945
Brothers, Sanford W., Denver, Colo. Rock-drilling machine.	752,819	Feb. 23	3365	867	108	1551
Brothers, William, Prestwich, England. Manufacture of plaster-of-paris.	757,649	Apr. 19	2899	607	109	1995
Brotzman, William S. (See Schmidt, William L., assignor.)						
Brough, Thomas J., Baltimore, Md. Weighing and packaging machine.	749,650	Jan. 12	2258	476 475	108	524
Brough, William, assignor of one-half to A. L. Horner, Baltimore, Md. Automatic spring bed-bottom.	749,022	Jan. 5	995	198	108	217
Broughton, Clarence E., Savannah, Ga. Destructive distillation of resinous wood.	771,706	Oct. 4	983	213	112	1163
Broughton, Henry S., Salem, Oreg. Clothes-pin.	767,792	Aug. 16	3316	700	111	1813
Broughton, Pulaski B. (See Tinker, Julien E., assignor.)						
Broussard, Fernand A., et al. (See Hollingsworth, Isaac N., assignor.)						
Brouyette, Charles D., Chicago, Ill., assignor of one-half to F. Karr, Holland, Mich.	754,120	Mar. 8	1798	399	109	412
Brower, A. Vedder. (See Birdsall, William H., assignor.)						
Brower, Bloomfield, New York, N. Y. Card-index or the like.	769,855	Sept. 13	1375	294	112	330
Brower, George W., assignor to F. Frayne, Portland, Oreg. Log-hauler.	776,169	Nov. 29	5330	1126 1127	113	1271
Brower, John, San Francisco, Cal. Apparatus for making blocks for building or like purposes.	754,639	Mar. 15	2862	625 626	109	658
Brower, John, San Francisco, Cal. Making blocks for building or like purposes.	754,640	Mar. 15	2865	626	109	658
Brown, Albert C., et al. (See Croslen, William T., assignor.)						
Brown, Albert H., et al. (See Sturgis, Herbert M., assignor.)						
Brown, Albert L. (See Harrison and Brown.)						
Brown, Alexander, Springfield, Ohio. Car-brake.	773,190	Oct. 25	4139	874	112	1090
Brown, Alexander A., Rutherglen, Scotland. Cigarette-box.	761,576	May 31	5985	1273	110	1389
Brown, Alexander E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Adjustable carrier-bar.	767,861	Aug. 16	3470	733	111	1845
Brown, Alexander E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Means for operating overhead trolleys.	767,862	Aug. 16	3471	733 734	111	1845
Brown, Alexander E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Electrical locomotive.	767,863	Aug. 16	3473	734	111	1845
Brown, Alexander E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Switching turn-table.	767,864	Aug. 16	3475	735	111	1845
Brown, Alexander E., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Brake for overhead electrically-driven locomotives.	767,865	Aug. 16	3477	735	111	1846
Brown, Alexander T. (See Carhart, Herbert A., assignor.)						
Brown, Alexander T., Syracuse, N. Y. Type-writing machine.	753,883	Feb. 23	3987	893	108	1978
Brown, Alexander T., Syracuse, N. Y. Type-writing machine.	777,071	Dec. 13	1224	268 269	113	1715
Brown, Alvin, Plainfield, Ill. Street-sweeper.	773,163	Nov. 15	3213	687 688	113	757
Brown, Andrew, Philadelphia, Pa. Fluid-elevator.	774,532	Nov. 8	1959	425 426	113	432
Brown, Archibald L., Chicago, Ill. Illuminated sign.	769,249	Sept. 6	222	52	112	48
Brown, Arthur H., assignor of one-half to W. L. Peavey, Lynn, Mass. Speedometer.	778,399	Dec. 27	3854	840	113	2306
Brown, Augustus. (See Smith and Brown.)						
Brown, Augustus P., New York, N. Y. Friction-clutch.	773,870	Oct. 25	4504	953	112	1999

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Brown & Bailey Company. (See Craw, Joseph T., assignor.)						
Brown, Barney R., Barney, Ark. Cultivator	768,580	Aug. 30	5020	1052	111	2228
Brown, Benjamin F., Boston, Mass. Apparatus for fastening filled bags.	752,373	Feb. 16	2993	667	108	1744
Brown, Bettie, Mineralwells, Tex. Headwear	768,356	Aug. 23	4522	952	111	2097
Brown, Charles, Chicago, Ill. Fire-extinguishing device.	752,327	Feb. 16	2909	650	108	1724
Brown, Charles, Liverpool, assignor of one-third to W. H. Watson, Great Crosby, Eng-land. Apparatus for loading vessels with coal or other material	775,164	Nov. 15	3216	887	113	757
Brown, Charles A., Chicago, Ill. Alternating-current wattmeter.	750,938	Feb. 2	300	71	108	1123
Brown, Charles A., Chicago, Ill. Measuring watts in alternating-current circuits.	750,939	Feb. 2	302	71	108	1124
Brown, Charles A., Chicago, Ill. Alternating-current motor.	750,940	Feb. 2	303	72	108	1125
Brown, Charles E., Allegheny, Pa. Dog for lathes	757,255	Apr. 12	2066	451	109	1800
Brown, Charles E. L., Baden, Switzerland. Turbine of the multiple-expansion type	769,300	Sept. 6	336	76	112	72
Brown, Charles F., trustee. (See Keith, Thomas K., assignor.)						
Brown, Charles F., trustee. (See Reeves, Sidney A., assignor.)						
Brown, Charles F., Chattanooga, Tenn. Hose-nozzle holder	755,995	Mar. 29	5438	1201	109	1255
Brown, Charles H., Perry, Iowa. Safety-torch	748,899	Jan. 5	387	123	108	122
Brown, Charles J., et al. (See Barrett and Hickerson, assignors.)						
Brown, Charles N., Waltham, Mass., assignor to J. A. and E. C. Abel, New York, N. Y. Locking device for brooch-catches	773,540	Nov. 1	11	3	113	5
Brown, Charles W., et al. (See Dewey, Luman R., assignor.)						
Brown, Charles W., Athol, S. D. Cloth-winding machine	766,098	July 26	4399	942	111	996
Brown, Christopher C., Stout, Tex. Cotton-chopper	764,554	July 12	1350	274	111	312
Brown, Clarence, Bishop, and F. Hayes, Elmonte, Cal. Stamp-tappet and securing means therefor	763,146	June 21	3036	653	110	2138
Brown-Cochran Company. (See Bunnell, Sterling H., assignor.)						
Brown, Collins A., and R. C. Kerr, Reading, Mich. Wire-fence lock	778,173	Dec. 27	4555	997	113	2460
Brown Company, Charles E. (See Robinson, Richard, assignor.)						
Brown, Cyril P., Springlake, Mich. Foldable bedstead	759,073	May 3	967	196	110	220
Brown, Cyril P., Springlake, assignor of one-half to J. F. Johnston, Grand Haven, Mich. Foldable bedstead	773,468	Oct. 25	4708	994	112	2041
Brown, Daniel, Cranston, R. I. Set-trigger for gun-locks	771,806	Oct. 1	1163	259	112	1222
Brown, Daniel T., assignor of two-thirds to H. W. Fitz, Pawtucket, R. I. Safety cook or valve	759,341	May 10	1560	315	110	375
Brown, Daniel W., Akron, Ohio. Artificial bait	777,491	Dec. 13	2011	444	113	1887
Brown, Daniel W., assignor of one-half to E. C. Deibel, Akron, Ohio. Oat-hulling process	770,794	Sept. 27	3158	669	112	732
Brown, Daniel W., assignor of one-half to E. C. Deibel, Akron, Ohio. Oat-hulling machine	777,880	Dec. 20	2812	618	113	2071
Brown, David, assignor of one-half to J. A. Abercrombie, Lawrence, Mass. Hand-threading shuttle	755,561	Mar. 22	4549	1012	109	1041
Brown, Edmond W., New York, N. Y. Bed-covering	757,356	Apr. 12	3067	459	109	1800
Brown, Egbert T., Buffalo, N. Y. Combined bath-tub seat and toilet-stand	766,320	Aug. 2	308	77	111	1121
Brown, Elbert J., Coalbidge, Cal. Cable-grip clamp	749,896	Jan. 19	2728	583	108	644
Brown, Elijah K., et al. (See Roadhouse, Norman F., assignor.)						
Brown, Eugene, Colfax, assignor of two-thirds to F. H. and F. H. Brown, Whitman county, Wash. Mill for rolling or grinding grain, &c.	752,753	Feb. 23	3739	834	108	1924
Brown, Everett E., Richmond, Ind. Nut-lock washer	749,256	Jan. 12	1493	308	108	348
Brown, Francis C., New York, N. Y. Fountain-pen	750,430	Jan. 26	3727	810	108	880
Brown, Francis N., New Brighton, N. Y. Fountain-pen	750,583	Jan. 26	4085	872	108	942
Brown, Francis C., New York, N. Y. Fountain-pen	773,371	Oct. 25	4505	985	112	1999
Brown, Francis G., Sheffield, Ala. Strainer	755,352	Mar. 22	4187	925	109	964
Brown, Frank E., New Bedford, Mass. Bomb-lance	763,147	June 21	3037	653	110	2138
Brown, Frank H., et al. (See Brown, Eugene, assignor.)						
Brown, Frank R., et al. (See Shelain, Frank G., assignor.)						
Brown, Fred H., et al. (See Brown, Eugene, assignor.)						
Brown, Fred H., Los Angeles, Cal. Administering electrical vibrations	750,584	Jan. 26	4087	872	108	943
Brown, Fred H., Los Angeles, Cal. Apparatus for therapeutical purposes	761,029	May 24	4905	1039	110	1142
Brown, Frederick W., Portland, Colo. Making hydraulic cement	760,467	Sept. 6	351	112	118	148
Brown, George C., Fort Gaines, Ga. Plumb and level	733,354	Mar. 1	248	56	109	56
Brown, George C., Fort Gaines, Ga. Plow-standard	759,965	May 17	2770	580	110	658
Brown, George E., assignor of one-half to J. H. Wright, Jr., Selma, Cal. Pad or tree-protector	757,437	Apr. 19	2453	586	109	1897
Brown, George F., Hurstville, New South Wales, Australia. Pneumatic-tire covering	763,539	June 28	3817	835	110	2329
Brown, George H., W. R. McMurray, and M. C. Andrews, Belfast, Ireland. Jacquard-machine for looms	770,258	Sept. 20	2115	445	112	510
Brown, George R., Rosebud Agency, S. D. Vehicle-seat	748,695	Jan. 5	275	63	108	61
Brown, George W., Melbourne, assignor of one-half to G. M. Norton, Coburg, Victoria, Australia. Air-feeding device for furnaces	753,664	Mar. 1	858	194	109	186
Brown, Harry A. (See Jones, Louis A., assignor.)						
Brown, Harry W., Boston, Mass., assignor to General Electric Company. Maximum-demand indicator	755,739	Mar. 29	4924	1097	109	1140
Brown, Harry W., Winchester, Mass., assignor to General Electric Company. Current-limiting switch for electric lights	772,921	Oct. 25	3444	747	112	1760
Brown, Henry, Chicago, Ill. Drover's whip	757,089	Apr. 12	1750	880	109	1731
Brown, Henry, Chicago, Ill. Drover's whip	775,669	Nov. 22	4351	918	113	1086
Brown, Henry, Philadelphia, Pa. Stocking	767,381	Aug. 16	3235	590	111	1634
Brown, Henry H., assignor to Wonder Manufacturing Company, Washington Court-House, Ohio. Stove	755,105	Mar. 22	3724	818	109	867
Brown, Henry H., assignor to Wonder Manufacturing Company, Washington Court-House, Ohio. Gas-stove	763,363	June 28	3461	732	110	2258
Brown, Henry T., Wilkesburg, Pa. Car-brake	754,138	Mar. 8	1107	457	109	339
Brown, Herbert E., and M. L. Goldthwaite, Tex. Car-brake	754,419	Mar. 15	2413	528	109	562
Brown, Herman E., Chicago, Ill. Window	753,665	Mar. 1	850	195	109	186
Brown, Herman E., Chicago, Ill. Window	765,810	July 26	3849	830	111	877
Brown Hoisting Machinery Company. (See Brown, Alexander E., assignor.)						
Brown Hoisting Machinery Company. (See Traves, Webster F., assignor.)						
Brown, Horace F., Oakland, Cal. Reducing press	774,930	Nov. 15	2739	588	113	648
Brown, Horace P., San Francisco, Cal. Manifolding-tablet	760,608	May 24	4011	853	110	953
Brown, Horace P., San Francisco, Cal. Manifolding-blank	760,609	May 24	4013	853	110	954
Brown, Horace P., San Francisco, Cal., assignor to General Manifold Company, Franklin, Pa. Manifold book or pad	761,142	May 31	5126	1089	110	1209
Brown, Irving H. (See Crockett, George, assignor.)						
Brown, Jacob, assignor of one-half to B. K. K. Railway, N. J. Tire-protector	758,029	Apr. 19	3023	785	109	2153
Brown, Jacob S., Los Angeles, assignor to W. H. Clark, Fullerton, Cal. Tool-dresser	750,941	Feb. 2	305	72	108	1125

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Brown, James A., <i>et al.</i> (See Robinson, James W., assignor.)						
Brown, James A., Warren, Ohio. Telephone-receiver support	757,357	Apr. 12	2070	452	109	1801
Brown, James A., Chicago, Ill. Yieldable gear-wheel	761,943	June 7	654	132	110	1583
Brown, James D., Portescue, Mo. Conveyor	768,841	Aug. 30	5566	1169	111	2350
Brown, James M., Elkfalls, Kans. Carpet-stretcher	749,161	Jan. 12	1258	246	108	303
Brown, James R., Moultrie, Ga. Cultivator, planter, and fertilizer-distributor	770,418	Sept. 20	2436	514 515	112	584
Brown, John A., Blythewood, S. C. Single-wire selective signaling and intercommunicating telephone						
Brown, John F. (See Logan and Brown.)	770,556	Sept. 20	2706	573	112	644
Brown, John H., Rankin, Pa. Pleasure-railway						
Brown, John H., Reading, Pa. Commutator	762,022	June 7	795	162 163	110	1611
Brown, John J., Toledo, Ohio. Bottle-valve	771,858	Oct. 11	1265	284	112	1244
Brown, John L., <i>et al.</i> (See Mulvaney, John J., assignor.)	750,585	Jan. 26	4039	873	108	943
Brown, John P. (See Stambaugh, Charles W., assignor.)						
Brown, John P., Rogers, Ark. Electrical apparatus for therapeutical purposes	768,657	June 28	4032	880	110	2375
Brown, John Q., Oakland, Cal. Trolley	764,224	July 5	647	131	111	144
Brown, John W., Latrobe, Pa. Radiator	763,591	June 28	3907	849	110	2349
Brown, Jonathan T., Marblehead, assignor, by mesne assignments, to O. A. Miller Treeing Machine Company, Brockton, Mass. Display-form	777,272	Dec. 13	1579	352	113	1792
Brown, Joseph. (See Gregory and Brown.)						
Brown, Joseph M., and L. C. Smith, Westplains, Mo. Tanning	777,072	Dec. 13	1237		113	1777
Brown, Justus H., Kansas City, Mo. Shears	770,347	Sept. 20	2319	489	112	559
Brown, Larkin H., Knoxville, Tenn., assignor to Draper Company, Hopedale, Mass. Filling-end header for automatic loom	762,023	June 7	797	163	110	1611
Brown, Leonard B., Springfield, Mass. Coin-operated vending-machine	767,134	Aug. 9	3064	429	111	1519
Brown, Levi V., <i>et al.</i> (See Barbee, Thomas M., assignor.)						
Brown, Lewis A., and D. Tredway, St. Louis, Mo. Pipe and making same	751,454	Feb. 9	1242	283	108	1340
Brown, Louisa M., Central City, S. D. Pocket	757,879	Apr. 19	3330	721	109	2088
Brown, Luther, Platte county, Mo. Horse hay-rake	757,258	Apr. 12	2071	452	109	1801
Brown, Michael, Gatesville, Tex. Press	757,259	Apr. 12	2073	453	109	1801
Brown Manufacturing Company. (See Brown, Uri H., assignor.)						
Brown, Marcus L. (See Brown, Herbert E. and M. L.)						
Brown, Maurice R., Cohoes, N. Y. Railway signal apparatus	772,607	Oct. 18	2816	619	112	1605
Brown, Maurice R., Cohoes, N. Y. Signal apparatus	772,608	Oct. 18	2817	619	112	1605
Brown, Michael, Gatesville, Tex. Press	753,539	Mar. 1	623	141	109	136
Brown, Mik, Renner, Tex. Grinding attachment	757,360	Apr. 12	2074	453	109	1801
Brown, Monroe C., Austin, Tex. Seed-cotton distributor	756,776	Apr. 5	1114	245 246	109	1582
Brown, Nat E., Robbinsdale, Minn. Draft mechanism for traction-sleds	750,586	Jan. 26	4040	873	108	944
Brown, Nat E., Robbinsdale, Minn. Draft mechanism for traction-sleds. (Reissue)	12,298	June 28	4605	1007 1008	110	2497
Brown, Nathan L., <i>et al.</i> (See Gray and Lehmann, assignors.) (Reissue.)						
Brown, Rezeau B., Milwaukee, Wis. Gas-purifier	771,414	Oct. 4	400	89	112	1042
Brown, Robert, Donaghmore, Ireland. Mounting for soap samples	768,731	Aug. 30	5336	1124	111	2298
Brown, Robert, and T. Evans, Philadelphia, Pa. Shoe-fastening	765,132	July 12	2472	516	111	554
Brown, Robert A., Chicago, Ill. Life-boat	748,919	Jan. 5	698	153	108	158
Brown, Robert A., Chicago, Ill. Life-boat	770,641	Dec. 6	346	74	113	1504
Brown, Robert P., <i>et al.</i> (See Craw, Joseph T., assignor.)						
Brown, Robert S. (See Miller, Carl E., assignor.)						
Brown, Robert S., assignor to New Britain Machine Company, New Britain, Conn. Stock-rack	767,101	Aug. 9	1996	415 416	111	1504
Brown, Roy W., Amsterdam, N. Y. Electric rheostat	757,880	Apr. 19	3331	722	109	2088
Brown, Rudolph L., Chicago, Ill. Switch-stand	750,800	Feb. 2	34	7	108	1064
Brown, Russell A., Salina, Kans. Register	762,982	June 21	2710	589	110	2066
Brown, Samuel C., Jr., Florence, N. Y. Knife	773,732	Nov. 1	470	103	113	110
Brown and Sharpe Manufacturing Company. (See Parker, John, assignor.)						
Brown and Sharpe Manufacturing Company. (See Spalding, Frank, assignor.)						
Brown & Sharpe Manufacturing Company. (See Weld, Charles L., assignor.)						
Brown, Silas M., assignor to Reid, Murdoch & Co., Chicago, Ill. Nut-cracking machine	772,127	Oct. 11	1834	408 409	112	1367
Brown, Summers, London, England. Rotary stencil-printing apparatus	753,469	Mar. 1	464	109	109	101
Brown, Summers, London, England. Apparatus and means for setting type and printing therefrom	772,337	Oct. 18	2875	498 499	112	1488
Brown, Susan A. (See O'Donnell, Felix, assignor.)						
Brown, Taylor E., assignor to C. H. Besly, Chicago, Ill. Document-file	777,881	Dec. 20	2814	618	113	2071
Brown, Theodore, <i>et al.</i> (See Bomberger, James B., assignor.)						
Brown, Theodore H., Viroqua, Wis. Broom	772,867	Oct. 18	3319	724	112	1714
Brown, Theodore P., assignor to Simplex Piano Player Company, Worcester, Mass. Means for controlling the paper-winding mechanism of automatic musical instruments	764,555	July 12	1352	275	111	313
Brown, Theodore P., assignor to Simplex Piano Player Company, Worcester, Mass. Automatic playing attachment for musical instruments	772,308	Oct. 11	2011	443	112	1406
Brown, Thomas E., New York, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Hoist	772,084	Oct. 11	1756	391	112	1351
Brown, Thomas J., Columbus, Ohio. Coffin-protector	771,606	Oct. 4	758	169	112	1121
Brown, Thomas L., Blackhall, Conn. Weeder	770,958	Sept. 27	3498	737	112	839
Brown, Thomas M., Springfield, Mo. Apparatus for canning and cooking goods	771,765	Oct. 4	1069	239	112	1188
Brown, Thomas S., assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Mowing-machine	750,942	Feb. 2	308	73	108	1126
Brown, Thomas S., assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Harvesting-cutter	750,943	Feb. 2	311	73	108	1126
Brown, Uri H., assignor to Brown Manufacturing Company, Zanesville, Ohio. Cultivator	755,214	Mar. 22	3921	1867 1868	109	907
Brown, Walter E., Carrollton, Mo. Cabinet for brick ice-cream	756,094	Mar. 29	5618	1259	109	1294
Brown, Walter F., Racine, Wis. Sawmill set-works	770,517	Sept. 20	2629	557	112	626
Brown, Walter H., and J. E. Trucks, Boston, Mass. Apparatus for mixing and delivering air and gas	748,940	Jan. 5	531	123 124	108	122
Brown, Walter H., East Boston, and J. E. Trucks, Charlestown, Mass. Liquid-directing device						
Brown, Walter M., and D. Reynolds, Albany, N. Y. Producing iron or steel direct from ore	768,875	Aug. 30	5630	1182	111	2364
Brown, Walter W., Schenectady, N. Y., assignor to General Electric Company. Electromagnet	759,590	May 10	2044	418	110	480
Brown, Walter W., Schenectady, N. Y., assignor to General Electric Company. Electromagnet	765,550	July 19	3309	693	111	751
Brown, Watt T., Lock No. 3, and W. C. Watson, Ragland, Ala. Railway-rail connection	755,444	Mar. 22	4352	964	109	998

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Brown, Watt T., Lock No. 3, and W. C. Watson, Ragland, Ala. Rail-joint fastening	705,269	July 19	2735	570	111	629
Brown, Wellington M., assignor of one-half to S. Rinehart, Laporte, Mich. Traction-engine	702,380	June 14	1480	322	110	1780
Brown, William, <i>et al.</i> (See McGehee, Lucius M., assignor.)						
Brown, William C., assignor to Henry R. Worthington, New York, N. Y. Condenser system	758,615	May 3	12	3	110	6
Brown, William C., New York, N. Y., assignor to Henry R. Worthington. Valve-movement for steam-engines	771,415	Oct. 4	401	39,90	112	1042
Brown, William D., Blackwater, Miss. Vehicle-brake	732,328	Feb. 16	2912	650	108	1725
Brown, William E., Los Angeles, Cal. Jar-closure	771,121	Sept. 27	3817	806	112	909
Brown, William E., assignor to Brown-Winstanley Manufacturing Company, Los Angeles, Cal. Bottle-washing machine	761,442	May 31	5707	1215	110	1338
Brown, William E., assignor of one-half to J. M. Brennan, Los Angeles, Cal. Demijohn	777,713	Dec. 20	2454	539	113	1996
Brown, William E., assignor of one-half to F. A. Parker, W. T. and R. P. Bishop, and J. O. Koepfli, Los Angeles, Cal. Jar-closure	751,975	Feb. 9	2261	506	108	1560
Brown, William H. (See Jarvis, Nelson, assignor.)						
Brown, William H., Chicago, Ill. Dust-guard for autocars	775,595	Nov. 22	4197	884	113	1009
Brown, William H., and J. Winship, Seattle, Wash.; said Winship assignor to said Brown. Device for mixing and applying insecticide	758,817	May 3	473	95	110	116
Brown, William I., St. Paul, Minn. Shock-squeezing device	755,106	Mar. 22	3728	818	109	867
Brown, William J., Newark, N. J. Time light-extinguisher	760,677	May 24	4173	886	110	987
Brown, William M., Gibsonburg, Ohio. Hoisting mechanism for sucker-rods, &c.	767,135	Aug. 9	2067	420	111	1519
Brown, William O., assignor to National Hydrocarbon Car Company, Chicago, Ill. Power-transmission gear	757,261	Apr. 12	2075	454	109	1802
Brown-Winstanley Manufacturing Company. (See Brown, William E., assignor.)						
Brown-Winstanley Manufacturing Company. (See Twitchell, Charles R., assignor.)						
Browne, Arthur W., Princebay, N. Y., assignor to S. S. White Dental Manufacturing Company, Philadelphia, Pa. Arm-rest for dental chairs	762,877	June 21	2526	1547	110	2025
Browne, George A., Tacoma, Wash. Indicator	763,956	July 5	12	3	111	5
Browne, James A. (See Kretschmar, Robert E., assignor.)						
Browne, John D., assignor of one-half to G. W. Losh, Madisonville, Ohio. Moistener for gummed surfaces	774,558	Nov. 8	1902	426	113	453
Browne, Ralph E., St. Louis, Mo. Device for discharging to wheels	762,131	June 7	368	315	110	1631
Browne, Sylvanus, St. Charles, Mo. Shoe-shining machine	767,982	Aug. 16	2526	530	111	1634
Brownell, Frank A., Rochester, N. Y. Woodworking-machine	776,492	Dec. 6	23	6,7	113	1428
Brownell, Frank A., Rochester, N. Y. Clutch	778,820	Dec. 27	4651	1016	113	2482
Brownell, Frank A., assignor to Eastman Kodak Company, Rochester, N. Y. Camera	764,910	July 12	2086	432	111	473
Brownell, Frank A., assignor to Eastman Kodak Company, Rochester, N. Y. Camera	771,416	Oct. 4	405	90,91	112	1043
Brownell, Frank A., assignor to Eastman Kodak Company, Rochester, N. Y. Stereoscopic printing device	775,552	Nov. 22	4106	864	113	983
Brownell, Frank A., assignor to Eastman Kodak Company, Rochester, N. Y. Light-excluding device for photographic-plate holders	776,291	Nov. 29	5552	1175	113	1321
Brownell, Myron G., Denver, Colo. Rubber-like gum	752,931	Feb. 23	4138	927	108	2016
Brownell, Myron G., Denver, Colo. Rubber-like gum	752,952	Feb. 23	4159	927	108	2016
Brownell, Myron G., Denver, Colo. Telephone-directory	763,940	June 28	4589	1003	110	2494
Browning Brothers Company. (See Browning, Eli and W. B., assignors.)						
Browning, Eli and W. B., Iowa City, assignors to Browning Brothers Company, West-branch, Iowa. Swinging axle	750,587	Jan. 26	4042	874	108	944
Browning, George P., Flint Hill, Va. Ice-creeper	772,778	Oct. 18	3163	688	112	1678
Browning, James M., Jr., Corona, Cal. Solar heater	748,696	Jan. 5	277	64	108	62
Browning, Robert D., Orange, Va. Grain-drill	756,095	Mar. 29	5619	1240	100	1294
Browning, Tillie J., Philadelphia, Pa. Hook	761,630	May 24	4906	1039	110	1142
Browning, Victor R., Lakewood, Ohio. Crane and supporting structure therefor	756,932	Apr. 12	4490	318	109	1663
Browning, Walter J. (See Hannes, William F., assignor.)						
Browning, William, and J. J. Barlow, Accrington, England. Making soluble starch	773,469	Oct. 25	4712	995	112	2042
Browning, William, and J. J. Barlow, Accrington, England. Apparatus for making soluble starch	773,788	Nov. 1	471	108	113	111
Browning, William B. (See Browning, Eli and W. B.)						
Brownley, Alexander H., Onehunga, New Zealand. Detachable button	758,602	Apr. 26	4774	1027	109	2426
Brownley, Alexander H., Onehunga, assignor to himself, and F. Gollar, Auckland, New Zealand. Parcel-grip	749,660	Jan. 12	2262	476	108	525
Brownrigg, John J. (See Norstrom and Brownrigg.)						
Brownson, Chauncey E., assignor of one-half to M. A. Brownson, Lansing, Mich. Spoke-tension hub	776,382	Nov. 29	5729	1212	113	1361
Brownson, Earl L., Havana, Cuba. Artificial-stone building-block	777,073	Dec. 13	1328	269	113	1717
Brownson, Margaret A. (See Brownson, Chauncey E., assignor.)						
Brownstein, Benjamin, Philadelphia, Pa., assignor of one-half to H. L. Zookovitz, Trenton, N. J. Boring and reaming tool	705,877	July 26	3964	846	111	902
Broyles, James C., Birmingham, Ala. Single-trigger mechanism for double-barrel guns	778,629	Dec. 27	4298	988	113	2402
Bruce, Charles J. (See Harvey and Bruce.)						
Bruce, Joseph H., Chicago, Ill. Railway-car	760,847	May 24	4520	963	110	1061
Bruce, Joseph H., Chicago, Ill., assignor to Combined Liquid Tank & Freight Car Company, Huron, S. D. Railway-car	773,407	Oct. 25	4714	995	112	2042
Bruce, Lucien F., Springfield, Mass. Card-edge-clutch	768,812	Aug. 30	5567	1169	111	2350
Bruce, Marshal C., Dearborn, Mo. Spring for rocking-chairs or analogous structures	762,381	June 14	1481	323	110	1780
Bruce, Seldon C., Goshen, Ind. Carburetor	768,732	Aug. 30	5337	1124	111	2298
Bruce, Henry, New York, N. Y. Puzzle-lock	753,355	Mar. 1	250	56	109	56
Brück, Tony, New York, N. Y. Railway-signal	753,666	Mar. 1	865	196	109	187
Bruckman, John. (See McFarland, James D., Jr., assignor.)						
Bruckmiller, John B., McKeesport, Pa. Sediment-removing composition	760,147	Sept. 6	11	3	112	5
Bruckner, Arthur F. (See Hamm and Bruckner.)						
Brudewold, Charles N. L., and J. M. Wood, Cambridge, Ohio. Mold	772,497	Oct. 18	2612	575	112	1560
Bruebach, August, Chicago, Ill. Revolving tray	777,492	Dec. 13	2012	444	113	1887
Brueck, Theodor, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter	749,162	Jan. 12	1240	267	108	304
Brueck, Theodor, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter	761,754	June 7	255	50,51	110	1494
Brueck, Theodor, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter	761,755	June 7	259	51,52	110	1495
Brueck, Theodor, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter	761,756	June 7	264	52,53	110	1496
Brueger, Herman, Jersey City, N. J. Pocket-book	767,793	Aug. 16	3317	700	111	1813

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Bruen, William, assignor to F. Brabson, Newark, N. J. Juice-extractor	769,785	Sept. 13	1327	264 255	112	295
Brueging, Frederick H., Pittsburg, Pa. Insulating material and producing same	778,529	Dec. 27	4105		113	2361
Bruffaers, Pierre, Schaerbeek, Belgium, assignor of one-half to H. M. Peyser, Boston, Mass. Machine for dyeing skins	765,375	July 19	2950	617	111	674
Bruffoy, William E. (See Miracle, Meridith W., assignor.)						
Bruley, Emery, Neillsville, Wis. Fence-post	774,306	Nov. 8	1490	320	113	353
Bruley, Emery, Neillsville, Wis. Fence-post	775,518	Nov. 22	4003	945	113	961
Brumbaugh, Freeman G., assignor of one-half to D. G. Walter, Elkhart, Ind. Window-shade fixture	776,722	Dec. 6	4058	111	113	1539
Brumbaugh, Robert F., Montpelier, Ind. Edging attachment for planing-machines	771,894	Oct. 11	1350	305 306	112	1262
Brun, Camille and G. Lyons, France, assignors, by mesne assignments, to E. C. Foerster, New York, N. Y. Shuttle	748,920	Jan. 5	700	154	108	158
Brun, Camille and G. Lyons, France, assignors to E. C. Foerster, New York, N. Y. Shuttle	748,921	Jan. 5	702	154	108	159
Brun, Camille and G. Lyons, France, assignors to E. C. Foerster, New York, N. Y. Shuttle	748,922	Jan. 5	704	154	108	160
Brun, Gustav (See Brun, Camille and G.)						
Bruck, Firm of Franz. (See Bruck, Rudolph, assignor.)						
Bruck, Rudolph, assignor to Firm of F. Bruck, Dortmund, Germany. Extracting ammonia from distillation-gases	773,784	Nov. 1	473	104	113	111
Brune, Paul, Cologne, Germany. Skirt-lifter	777,660	Dec. 20	2562	519	113	1976
Brune, Samuel O., Mine Centre, Canada. Relief-valve	735,996	Mar. 29	5434	1201	109	1355
Bruner, Martin R., Buckland, Ohio. Vehicle-tongue	749,837	Jan. 19	2624	561	108	621
Bruner, Preston M., Lebanon, Ill. Hot-air furnace	759,235	May 10	1351	269 270	110	328
Bruner, Stanton C., Kansas City, Kans. Stove	767,038	Aug. 9	1857	390	111	1475
Bruner, William L., Shelton, Neb. Well-drill attachment	759,662	May 10	2191	450	110	512
Brunhuber, Ernst, et al. (See Miller, George, assignor.)						
Brunig, Frederick H., Kansas City, Mo. Pessary	759,342	May 10	1562	315	110	375
Brünler, Oscar, Leipzig, Germany. Steam-generator	760,519	May 24	3840	814 815	110	916
Brunn, Charles H., et al. (See Wackerow, George L., assignor.)						
Bruser, Danton C., assignor of one-half to W. E. Miller, Somerset, Ohio. Rail-joint	763,848	June 28	4413	960	110	2456
Brunsmann, Anthony G., Cincinnati, Ohio. Vehicle-body	761,816	June 7	414	84	110	1531
Brunson, Courtland W., Hamilton, Ohio. Composition of matter for artificial stone	770,557	Sept. 20	2710		112	645
Brunson, Horace, Chicago, Ill. Railway-tie	749,163	Jan. 12	1247	268	108	306
Brunswick-Balke-Collender Company. (See Bensing, Moses, assignor.)						
Bruunt, William H., assignor of one-third to D. J. Cable, Pittsburg, Pa. Megaphone attachment for passenger-cars						
Brunton, David W., Denver, Colo. Mine-timber	754,918	Mar. 15	3387	740	109	774
Brush, Alanson P., Detroit, Mich. Testing device for self-propelled vehicles	759,413	May 10	1722	348	110	410
Brush, Alanson P., Detroit, Mich. Transmission-gear	750,749	Jan. 26	4363	943 944	108	1017
Brush, Alanson P., Detroit, Mich. Means for cylinder lubrication of internal-combustion engines	752,953	Feb. 23	4161	958 959	108	207
Brush, Alanson P., Detroit, Mich. Inlet-valve gear for internal-combustion engines	754,121	Mar. 8	1794	400 700 701	109	412
Brush, Alanson P., Detroit, Mich. Inlet-valve gear for internal-combustion engines	767,794	Aug. 16	3317	700 701	111	1814
Brush Belt Concentrator Company. (See Horn, Henry E., assignor.)						
Brush, Edgar R. (See Ferguson and Brush.)						
Brush, Frederick F., Detroit, Mich. Steam-trap	751,144	Feb. 2	663	152	108	1201
Brusseau, Edvard. (See Melvin and Brusseau.)						
Brusset, Victor A., Paris, France. Typographically printing curves	754,044	Mar. 8	1643	366	109	378
Brutlag, Herman W., Fulda, Minn. Belt-guide	768,213	Aug. 23	4256	895	111	2038
Bruun, Johan F. A., Copenhagen, Denmark. Injector-condenser	762,801	June 14	2353	513	110	1967
Bruun, Johan F. A., Copenhagen, Denmark. Separator	764,419	July 5	1040	212	111	231
Bryan, Benjamin B., Elba, Ala. Churn	776,383	Nov. 29	5730	1212	113	1362
Bryan, Clyde, Salem, Ohio. Window curtain and shade adjuster	766,589	Aug. 2	911	192	111	1242
Bryan, Edgar J., assignor of one-half to A. W. Miller, Riverside, Cal. Hand-truck	756,096	Mar. 29	5621	1240	109	1295
Bryan, John H. B., Buffalo, N. Y., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Friction-clutch	750,944	Feb. 2	312	74	108	1126
Bryan, William W., Angola, Ind. Hot-air furnace	757,174	Apr. 12	1928	421 422	109	1771
Bryan, Winfield S., Cincinnati, Ohio. Electric battery	750,250	Jan. 26	3398	735	108	805
Bryant, Charles A., Wakefield, Mass., assignor to Alma Button Company of Baltimore City. Garment-fastener	753,847	Mar. 8	1270	285	109	294
Bryant Electric Company. (See Lodge, Gilbert W., assignor.)						
Bryant Electric Company. (See Platt, Clarence D., assignor.)						
Bryant, Ellsworth S., Detroit, Mich. Coin-controlled vending-machine	759,236	May 10	1355	270	110	329
Bryant, Ellsworth S., and W. C. Murdock, Detroit, Mich.; said Murdock assignor to said Bryant. Adjustable standard	763,344	Jan. 21	3400	740	110	2218
Bryant, Fred L., Newport News, Va. Device for removing rosette-covers	748,923	Jan. 5	707	155	108	160
Bryant, Henry, Aransas Pass, Tex. Gas-burner	756,155	May 29	5719	1263	109	1316
Bryant, Henry, Falmouth, Mass. Walking elevator	759,663	May 10	2192	450 451	110	513
Bryant, John M., Detroit, Mich. Thill-coupling	766,807	Aug. 9	1412	394	111	1875
Bryant, John W., Minneapolis, Minn. Window-weight	755,107	Mar. 22	3727	818	109	983
Bryant, Milton D. (See Kirzinger, Frank P., assignor.)						
Bryant, Reuben R., assignor of one-half to G. W. Corns, Detroit, Mich. Smoke-consumer	756,933	Apr. 12	1433	319	109	1664
Bryant, Richard S., Columbus, Ohio. Wheel-rim	772,209	Oct. 11	2032	443	112	1047
Bryant, Rupert G. (See Burris, Israel V., assignor.)						
Bryant, William A., and E. C. Fain, Wetumpka, Ala. Disk cultivator	776,995	Dec. 6	1068	231	113	1664
Bryant, William P., et al. (See Tower, William G., assignor.)						
Bryar, George, assignor of one-half to M. A. Harding, St. John, Canada. Joint for lead pipe	748,579	Jan. 5	41	11	108	12
Bryar, George, assignor of two-thirds to J. M. Smith and T. P. Pugsley, St. John, Canada. Manufacture of bottles	750,801	Feb. 2	35	7	108	1064
Bryce, Edwin W., assignor to United States Glass Company, Pittsburg, Pa. Manufacture of glass lamps, &c.	763,849	June 28	4414	960	110	2457
Bryda, Henry, Woonsocket, R. I. Lock	753,667	Mar. 1	867	196	109	188
Bryda, Henry, Woonsocket, R. I. Sleigh	761,653	June 7	43	7	110	1445
Bryden, John, Colfax, Wash. Picture-hanging device	757,362	Apr. 12	2030	454	109	1803
Brydges, Charles. (See Shields, Alexander, assignor.)						
Bryon, William J., Jr., New York, N. Y. Door check and closer	750,802	Feb. 2	35	7	108	1065
Bryon, William J., Jr., New York, N. Y. Exercising apparatus	776,824	Dec. 6	725	160	113	1586

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Bryson, James H., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Electric motor	778,400	Dec. 27	3856	841	113	2307
Bryson, James L., assignor of one-half to D. R. Oliver, San Francisco, Cal. Drill-sharpen- er	752,026	Feb. 16	2340	523	108	1596
Bryson, William, Fifield, Wis. Railway-tie	762,132	June 7	989	205	110	1652
Bublitz, Frank, and W. Scheel, Chicago, Ill. Flower-bearing vehicle	765,124	July 12	2473	517	111	554
Buce, Charles M. (See Franklin and Buce.)						
Buchanan, Esau, Darwin, Va. Steam-turbine	772,868	Oct. 18	3319	724	112	1715
Buchanan, George B., Haverstraw, N. Y. Telephone attachment	732,649	Feb. 23	3548	790	108	1881
Buchanan, George W., Chicago, Ill. Cuff-holder	772,510	Oct. 11	3013	443	112	1407
Buchanan, James C. (See Lorentz, Buchanan, and Travis.)						
Buchanan, James W., Arran, Fla. Car-step	764,420	July 5	1041	212	111	231
Buchanan, James W., Asheville, N. C. Fruit-picker	775,519	Nov. 22	4006	846	113	961
Buchanan, John J., assignor to Waterbury Buckle Co., Waterbury, Conn. Garment- supporter	754,194	Mar. 8	1919	427	109	439
Buchanan, John J., assignor to Waterbury Buckle Co., Waterbury, Conn. Runner for suspender-ends	764,985	July 12	2224	459	111	502
Bucher, Alfred S. (See Warlick and Bucher.)						
Buchholtz, Ernest, London, England. Rotary engine	778,630	Dec. 27	4304	999	113	2403
Buchholz, Henry A., and E. J. G. Rademacher, New York, N. Y. Blue-print machine	775,282	Nov. 15	3405	718	113	808
Buchhop, Ferdinand, New York, N. Y., assignor to Meyrowitz Manufacturing Company. Cut-out	766,490 766,106	Aug. 2	713	149	111	1196 1047
Buchner, Albert, and E. P. McClure, Chicago, Ill. Electric sparking plug for gas-engines	761,284	May 31	5401	1149	110	1268
Buchner, Max, Mannheim, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Baden, Germany. Reduction of nitro compounds	777,396	Dec. 13	1831	405	113	1848
Buchtel, William D., Sr., and William D., Jr., Brady, Nebr. Beet-topping machine	750,241	Jan. 19	3382	730	108	784
Buck, Carl F., Salt Lake City, Utah. Spreading-machine	774,506	Nov. 8	1866	405	113	432
Buck, Christian J., Gallitzin, Pa. Insulated rail-joint	761,443	May 31	5708	1215	110	1388
Buck, Frank R., San Francisco, Cal. Combined bed or couch and bath	749,915	Jan. 19	2775	593	108	655
Buck, George H., New York, N. Y. Folding furniture						
Buck, Harold W., Niagara Falls, N. Y., assignor to General Electric Company. System of electrical distribution	755,740	Mar. 29	4926	1097	109	1141
Buck, Horatio M., Burlington, Wash. Kiln	750,588	Jan. 26	4046	874	108	945
Buck, John A., and G. Hassler, New York, N. Y. Hoof-pad	776,108	Nov. 29	5207	1100	113	1242
Buck, Orlando J., Chicago, Ill. Coin-chute fraud preventive	771,349	Oct. 4	282	55	112	1014
Buck, Taylor S., New York, N. Y. Hand-stamp	777,836	Dec. 20	2712	597	113	2051
Buck, Thomas W., et al. (See Pike, John E., assignor.)						
Buck, Vertrude P., Auburn, Me. Strap-covering machine	763,148	June 21	3039	554	110	2138
Buck, Vertrude P., Auburn, Me. Grinding-machine	737,383	Aug. 16	3527	531	111	1635
Buck, William T. (See Denise and Buck.)						
Buck, William W. (See Johnston, William A., assignor.)						
Bucke, William H. (See Bechtol and Bucke.)						
Buckelew, Annie, Lancaster, Cal. Combination waist attachment and skirt-supporter	754,742	Mar. 15	3063	668	109	704
Buckelew, Annie, Lancaster, Cal. Safety-pin	754,743	Mar. 15	3064	669	109	704
Buckelew, William C., assignor of one-half to C. L. Reiersen, Shreveport, La. Truck	764,344	July 5	877	179	111	192
Buckelew, William C., and J. P. Flournoy, Jr.; said Flournoy assignor to M. N. Wood, Shreveport, La. Cane for files	753,189	Feb. 23	4587	1023	108	2114
Buckeye Iron and Brass Works. (See Hubbell, Joseph H., assignor.)						
Buckeye Manufacturing Company. (See Lambert, John W., assignor.)						
Buckham, George T. (See Dawson and Buckham.)						
Buckingham, Albert E., Oakland, assignor to M. Hart, San Francisco, Cal. Cigarette- making device	767,626	Aug. 16	3028	633	111	1748
Buckingham, Charles L., New York, and E. Germann, Brooklyn, N. Y.; said Germann assignor to said Buckingham. Machine for perforating telegraph-tapes	765,456	July 19	3120	654	111	711
Buckingham, Charles L., New York, and E. Germann, Brooklyn, N. Y.; said Germann assignor to said Buckingham. Page-printing telegraph	765,457	July 19	3126	655	111	711
Buckingham, Cora G. (See Bond, John P., assignor.)						
Buckingham, Edward L., Brookings, S. D., assignor of one-half to J. M. Keith and H. D. Hall, Des Moines, Iowa. Thill-support	755,997	Mar. 29	5436	1201	109	1255
Buckingham, John L., Laton, Cal. Cultivator	770,672	Sept. 20	2927	1321 632	112	695
Buckland, Orson P., assignor of one-half to B. E. Blake & Son, Liberal, Kans. Fasten- ing for sectional tubing	760,953	May 24	4727	1007	110	1105
Buckland, Seth J., Springfield, Mass. Automatic check device for trolley-cords	752,374	Feb. 16	2996	667	108	1744
Buckley, Andrew, Parsons, Kans. Combination tool	766,808	Aug. 9	1414	285	111	1375
Buckley, Daniel J., Newburyport, Mass. Hair-drier	763,717	June 23	4159	907	110	2403
Buckley, Daniel J., Newburyport, Mass. Look for pockets	777,397	Dec. 13	1831	405	113	1848
Buckley, Elijah S., New Berlin, N. Y. Belt-joint	752,512	Feb. 16	3232	725	108	1798
Buckley, James D., Fort Worth, Tex. Sectional column	763,957	July 5	13	3	111	5
Buckley, James F., Dartford, assignor to Allen and Hanburys, Limited, London, Eng- land. Grinding-machine	769,207	Sept. 6	127	31	112	29
Buckley, James P., assignor to L. B. Buckley, Detroit, Mich. Supporter for bedclothing	775,263	Nov. 15	3467	731 732	113	823
Buckley, Liliane B. (See Buckley, James P., assignor.)						
Buckley, Minnie E., St. Louis, Mo. Pad	756,575	Apr. 5	741	161	109	1499
Buckley, Patrick J., Waukesha, Wis. Gas-producer	763,460	June 28	3678	798	110	2301
Buckley, Thomas, New York, N. Y. Third-roll covering	770,159	Sept. 13	1918	408	112	449
Bucklin, Charles S., Baltimore, Md. Pulp-screening machine	765,551	July 19	3311	693	111	751
Bucklin, Charles S., Baltimore, Md. Can-filling machine	765,552	July 19	3312	694	111	752
Bucklin, James P., Providence, R. I. Tumbling-machine	754,122	Mar. 8	1795	400	109	412
Bucklin, Lewis A., Nashua, Iowa. Barber's memorandum and cash-drawer	756,825	Apr. 12	1222	273	109	1621
Bucklin, William S., Phalanx, N. J. Article of manufacture and making same	766,107	Aug. 2	21	4	111	1047
Bucknam, Ezra S., assignor to J. A. Brill, Philadelphia, Pa. Trunnion and sash-lock for cars	761,355	May 31	5554	1183	110	1304
Bucknam, Ezra S., Llanerch, assignor to J. A. Brill, Philadelphia, Pa. Device for ad- justing the tension of springs	774,931	Nov. 15	2742	588	113	648
Bucknam, Robert M., Medford, Mass., assignor to Century Light Company of America. Gas-burner	762,878	June 21	2527	548	110	2025
Bucknam, Worthington C., Geneva, Ohio. Variable-speed transmission mechanism	765,956	July 26	4107	878	111	935
Buckner, William A., Cleburne, Tex. Vestibule stock-car	769,128	Aug. 30	6137	1283	111	2477

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Buckton, Albert R., assignor to H. Stevenson and Sons, Limited, Manchester, England. Folding or collapsible box of cardboard or the like	748,125	Jan. 5	1153	244	108	266
Buckwalter, Joseph R., Reading, Pa., assignor to Koller and Smith, New York, N. Y. Vertical letter-file	773,275	Oct. 25	4310	911	112	1958
Bucsko, Louis, Monaca, assignor to Phoenix Glass Company, Pittsburg, Pa. Glass-mold-operating apparatus	754,966	Mar. 22	3492	764	109	815
Bucyrus Company. (See Ferris, Walter, assignor.)						
Bucyrus Company. (See Knox, Samuel L. G., assignor.)						
Bucyrus Company. (See Knox and Ferris, assignors.)						
Buda Foundry & Manufacturing Company. (See Gard, John J., assignor.)						
Bude Foundry and Manufacturing Company. (See Weston, William S., assignor.)						
Budd, Edward G., Philadelphia, Pa., assignor to American Pulley Company, Hydraulic press	774,154	Nov. 8	1213	1259 260	113	290
Budd, Edward G., Philadelphia, Pa., assignor to Hale and Kilburn Manufacturing Company. Cushion for car-seats	778,217	Dec. 27	3465	763	113	2222
Budd, Edward G., Philadelphia, Pa., assignor to Hale and Kilburn Manufacturing Company. Cushion for car-seats	778,218	Dec. 27	3467	763	113	2223
Budd, Edward G., Philadelphia, Pa., assignor to Hale and Kilburn Manufacturing Company. Car-seat	778,219	Dec. 27	3468	763 764	113	2223
Budd, Horace, Philadelphia, Pa. Grate-bar	778,106	Dec. 20	3360	716	113	2160
Budd, Melvin L., Westerville, Ohio. Ventilator	776,642	Dec. 6	347	73	113	1505
Budd, Sherman L., Mount Vernon, Ohio. Bending-machine	758,897	May 3	641	127 128	110	151
Budd, W. H., Jr. (See Baker and Mercer, assignors.)						
Budd, William H., Jr., Columbus, Ohio. Machine for separating and assembling crackers.	760,417	May 24	3633	768	110	867
Budwig, Dagobert, assignor to Berlin-Neuroder Kunstanstalten Aktiengesellschaft, Berlin, Germany. Manufacturing honeycomb paper	765,412	July 19	3019	633	111	689
Buechting, Hans. (See Spinnrad and Buechting.)						
Buehl, Louis I., Massillon, Ohio. Ironing-board	749,525	Jan. 12	2016	418	108	472
Buehler, Edward J., New York, assignor to C. E. Francis, Brooklyn, N. Y. Slug, quoin, furniture, or the like	773,191	Oct. 25	4140	874	112	1920
Buehler, Joseph E., New York, N. Y. Roller window-screen	759,064	May 10	3194	451	110	513
Buell, Charles E., Camden, N. J. Heat-actuated alarm system	761,198	May 31	3224	1109	110	1231
Buell, John N., assignor to one-half to W. A. Russell, West Haven, Conn. Vegetable-peeler	767,733	Aug. 16	3206	676	111	1788
Buente, Charles F., Pittsburg, Pa. Fireproof building construction	749,812	Jan. 19	2574	1547 1548	108	610
Buenzle, Frederick J., Newport, R. I. Copy-holder	770,675	Sept. 20	2929	622	112	695
Buergermeister, Wilhelm, <i>et al.</i> , trustees. (See Luckenbach, Harry, assignor.)						
Buff, Huldrich W., Herisau, Switzerland. Self-equalizing heel	750,665	May 10	2196	452	110	513
Buffalo Dental Manufacturing Company. (See Lewis, Theodore G., assignor.)						
Buffalo Fire Proof Lath Company. (See Davidson, Samuel, assignor.)						
Buffalo Fire Proof Lath Company. (See Malone, John F., assignor.)						
Buffalo Pitts Company. (See Todd, Marquis J., assignor.)						
Buffalo Weaving and Belting Company. (See Smith, William R., assignor.)						
Buffington, Alice S. (See Buffington, Joseph, assignor.)						
Buffington, Calvin A., Berkshire, N. Y. Vehicle-brake	778,631	Dec. 27	4308	940	113	2404
Buffington, Joseph, assignor to A. S. Buffington, Pittsburg, Pa. Railway-ticket.	763,149	June 21	3045	654	110	2139
Buford, George W. (See Buford, George W., assignor to J. H. Williams and Company, Brooklyn, N. Y. Chain wrench	769,054	Aug. 30	5994	1236	111	2446
Buford, George W., Brooklyn, N. Y., and G. F. Hickman, Newark, N. J., assignors to J. H. Williams and Company, Brooklyn, N. Y. Pipe-vise	769,814	Sept. 13	1294	275	112	312
Bum, Frederick D., Winton, Mass. Car-loader	776,825	Dec. 6	728	161	113	1586
Bünger, Wilhelm, Degersheim, near Stuttgart, Germany. Weighing device	756,208	Apr. 5	25	6	109	1348
Buhl Stamping Company. (See Forster, Thomas W., assignor.)						
Buhle, Louis. (See Wiseburn and Buhle.)						
Bühler, Gebrüder. (See Bühler, Robert, assignor.)						
Bühler, Robert, assignor to Gebrüder Bühler, Uzwil, Switzerland. Clay-working machinery	774,559	Nov. 8	1963	426 427	113	453
Buhmeier, Henry T., Elgin, Ill. Folding square	776,996	Dec. 6	1070	1231 1232	113	1664
Buhoup, Harry C., Chicago, Ill. Brake-beam	751,051	Feb. 2	493	115	108	1167
Buhoup, Harry C., Chicago, Ill. Car-truck	754,045	Mar. 8	1644	366	109	378
Buhoup, Harry C., Chicago, Ill. Car-truck	778,739	Dec. 27	4483	982	113	2444
Buhoup, Harry C., Chicago, Ill., assignor to McConway & Torley Company, Pittsburg, Pa. Lock mechanism for vertical-plane couplings	756,836	Apr. 12	1223	273	109	1621
Buhrer, Casper, Sandusky, Ohio. Composite metallic and concrete tie for railways	761,872	June 7	528	105	110	1558
Buhtz, Ernst, assignor of two-thirds to R. Lüthi and A. Gurliitt, Berlin, Germany. Apparatus for producing an alternating magnetic field for therapeutic purposes	761,199	May 31	5228	1110	110	1232
Buice, Orval C., Montgomery, Ala. Sectional case	758,506	Apr. 26	4588	986	109	2386
Buick Manufacturing Company. (See Richard, Eugene C., assignor.)						
Buick Motor Company. (See Richard, Eugene C., assignor.)						
Building Block Manufacturing Co. (See Porten, William, assignor.)						
Bulack, Francis J., Toledo, Ohio. Artificial fuel	764,986	July 12	2224		111	508
Bulasky, Louis, New York, N. Y. Zigzag-stitch sewing-machine	777,074	Dec. 13	1229	270	113	1717
Bulkeley, Frank M., assignor to one-half to H. C. Freshour, Bridgeport, Conn. Clip for holding papers, clothing, &c.	765,533	July 19	3315	094	111	732
Bulkeley, Worthington, Cleveland, Ohio. Clothes-wringer	762,983	June 21	2711	580	110	2065
Bull, Charles C., Lester, Iowa. Boiler-flue cutter	773,785	Nov. 1	474	104	113	111
Bull, Clarence C. (See Sawyer and Bull.)						
Bull, Sara C. (See Bose, Jagadis C., assignor.)						
Bull, Thomas J., <i>et al.</i> (See Fischer, George F., assignor.)						
Bullard, Albert M., New York, N. Y., and L. A. Falk, Boston, Mass., assignors to American Telephone and Telegraph Company. Automatic telephone-exchange system and apparatus	772,023	Oct. 11	1609	365	112	1319
Bullard, Albert M., New York, N. Y., and L. A. Falk, Boston, Mass., assignors to American Telephone and Telegraph Company. Automatic telephone-exchange system and apparatus	772,024	Oct. 11	1628	366	112	1322
Bullard, Edgar R., Wheeling, W. Va. Photographic shutter	764,431	July 5	1042	213	111	232
Bullard, Edwin W., Springfield, Mass. Universal joint	771,457	Oct. 4	466	106	112	1057
Bullard, James H., Springfield, Mass. Insulator-pin	751,831	Feb. 9	1953	443 444	108	1491
Bullard, James H., Springfield, Mass. Insulator-pin	754,123	Mar. 8	1797	400	109	413
Bullard, James H., Springfield, Mass. Heat-radiating device	764,195	Mar. 8	1919	427	109	493

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Bullard, James H., Springfield, Mass. Insulator-pin	772,553	Oct. 18	2714	597	112	1582
Bullard, James H., Springfield, Mass. Fountain-pen	772,554	Oct. 18	2716	597	112	1583
Bullard, Lewis H., Kalamazoo, Mich. Sofa-bed or bed-couch	763,958	July 5	14	4	111	5
Bullard, Walter, Chico, Cal. Baling-press	762,133	June 7	990	205	110	1652
Buller, Charles M., Chicago, Ill. Stovepipe-damper	767,039	Aug. 9	1888	390	111	1475
Buller, Jacob W., Jansen, Neb. Coupling	770,292	Nov. 29	5554	1175	113	1821
Bullis, Frederick O., Rochester, N. Y. Coaster-brake	761,577	May 31	5897	1273	110	1389
Bullock Electric Manufacturing Co. (See Behrend, Bernard A., assignor.)						
Bullock, John, Wilmington, Del. Dumping-wagon	751,455	Feb. 9	1243	284	108	1340
Bullock, Stanton D. (See Rettich, Victor A., assignor.)						
Bullock, William, Cleveland, Ohio. Dry-plate-developing device	775,001	Nov. 15	2877	614	113	680
Bulmer, William B., assignor of one-fourth to H. Slater, Windsor, Ontario, Canada. Tea-kettle	754,046	Mar. 8	1649	367	109	379
Bulock, Charles O., assignor to National Electric Company, Milwaukee, Wis. Brush-holder	758,356	Mar. 1	250	57	109	57
Bültzingslöwen, Bruno von, assignor of one-half to T. Sauer, New York, N. Y. Machine for forming hooks on wire bale-ties	748,580	Jan. 5	42	12, 13	108	12
Bültzingslöwen, Bruno von, assignor of one-half to T. Sauer, New York, N. Y. Machine for bending cross-heads and eyes of wire bale-ties	752,513	Feb. 16	3253	725	108	1798
Bültzingslöwen, Bruno von, assignor of one-half to T. Sauer, New York, N. Y. Machine for bending the cross-heads and eyes of wire bale-ties	760,100	May 17	3038	634	110	719
Bumgardner, George L., Gridley, Kans. Cultivator-shovel	769,055	Aug. 30	5995	1262	111	2447
Bumiller, Julius, assignor of three-fourths to E. Bloss, St. Louis, Mo. Boring-tool	751,032	Feb. 2	495	115	108	1168
Bump, James G., Brad, Tex. Horse-breaking device	753,848	Mar. 8	1271	285	109	294
Bunday, Sidney L., Arlington, S. D. Scale-beam	778,220	Dec. 27	3471	764	113	2324
Bundy, Abram C., Brooklyn, N. Y. Cushioning attachment for receptacles	763,252	June 21	3259	699	110	2183
Bunzi, Lawrence A., Eugene, Kans. Racer	777,229	Dec. 13	1524	338	113	1780
Bunker, Charles A., Marion, Ind. Laundry-marker	767,627	Aug. 16	3029	683	111	1749
Bunn, William T., Hutchinson, Kans. Lifting-jack	762,276	June 14	1273	274	110	1737
Bunnell, Morton G., Chicago, assignor to Western Wheeled Scraper Co., Aurora, Ill. Well-machine	763,253	June 21	3229	699	110	2183
Bunnell, Morton G., Chicago, assignor to Western Wheeled Scraper Co., Aurora, Ill. Well-machine	763,254	June 2	3242	700	110	2184
Bunnell, Morton G., Chicago, assignor to Western Wheeled Scraper Co., Aurora, Ill. Well-machine	763,255	June 21	3246	700	110	2185
Bunnell, Morton G., Chicago, assignor to Western Wheeled Scraper Company, Aurora, Ill. Dumping-wagon	774,978	Nov. 15	2841	605	113	672
Bunnell, Sterling H., Lorain, Ohio. Duplex pumping-engine	769,335	Sept. 6	395	91, 92	112	85
Bunnell, Sterling H., Lorain, Ohio, assignor to Brown-Cochran Company. Duplex-pumping-engine frame	771,458	Oct. 4	468	102	112	1058
Bunnell, Walter A., Decatur, Tex. Photograph-gallery appliance	766,387	Aug. 9	1767	371	111	1433
Bünnig, Max, Gardelegen, Germany. Dynamo-brush	752,830	Feb. 23	3860	868	108	1952
Bunting, William, Jr., Brookline, Mass. Bath or basin waste apparatus	765,697	July 26	3599	765	111	828
Bunting, William, Jr., Brookline, Mass. Shower-bath apparatus	773,541	Nov. 1	12	3, 4	113	5
Bunton, William, Munhall, Pa. Guide for rolling-mills	774,035	Nov. 1	997	209	113	226
Bunzi, Ernest, <i>et al.</i> (See Bartel and Kuhn, assignors.)						
Bunzi, Ernest, <i>et al.</i> (See Kuhn, Edmond, assignor.)						
Bunzi, Gustav, <i>et al.</i> (See Bartel and Kuhn, assignors.)						
Bunzi, Gustav, <i>et al.</i> (See Kuhn, Edmond, assignor.)						
Burbank, Louis S., Worcester, Mass., assignor, by mesne assignments, to Natural Food Company, Niagara Falls, N. Y. Machine for making cartons or folding boxes	770,159	Sept. 13	1919	409	112	449
Burbank, William Blackrock, Utah. Game apparatus	776,293	Nov. 29	5555	1175	113	1322
Burboa, Juan G. H., assignor of one-third to C. M. Ortiz, Chihuahua, Mexico. Static electric machine	776,997	Dec. 6	1071	233	113	1664
Burcher, John C., Philadelphia, assignor to H. Page, Germantown, Pa. Boat or launch	776,493	Dec. 6	27	7	113	1429
Burchett, Walter J., New York, N. Y. Automatic bottle-stopper	764,235	July 5	651	131	111	145
Burchfield, Hollis F., Guilford, Ill. Safety-case for lanterns	772,085	Oct. 11	1758	382	112	1352
Burchill, Richard D., Tampa, Fla. Railway-rail fastener	750,345	Jan. 26	3533	776	108	849
Burchim, Charles O., Sioux City, Iowa. Current-motor	762,134	June 7	994	206	110	1653
Burchinal, Charles H. (See Scott, Josiah, assignor.)						
Burchitt, James A., Virginia, Ill. Tremolo attachment for musical instruments	775,327	Nov. 22	3600	762	113	870
Burdett, Charles H. and M. M., Glenridge, N. J.; said Charles H. Burdett assignor to said M. M. Burdett. Cocoa confection and making same	755,562	Mar. 22	4551		109	1041
Burdett, Mary M. (See Burdett, Charles H. and M. M.)						
Burdett, Frank, Gravenhurst, assignor to G. Stevenson and H. B. Howson, Toronto, Canada. Artificial fishing-bait	755,612	Mar. 29	4659	1035	109	1079
Burdett, Frederick A., New York, N. Y. Door-hanger	750,589	Jan. 26	4049	875	108	945
Burdett, George M. (See Martin, Lewis C., assignor.)						
Burdett-Rowntree Manufacturing Company (See Rowntree, Harold, assignor.)						
Burdick, Charles L., London, England. Pattern-printing machinery	767,684	Aug. 16	3125	653	111	1769
Burdick, Charles L., Wood Green, England, and H. Pervilhac, Villeurbanne, France. Stenciling	757,438	Apr. 19	2454	536	109	1897
Burdick, Henry B., Middleton, Okla. Ter. Automobile plow	766,590	Aug. 2	912	193	111	1242
Burdick, Henry B., Newkirk, Okla. Ter. Lubricator for vehicles	769,786	Sept. 13	1231	265	112	296
Burdick, Hiram M., assignor to Standard Harrow Company, Utica, N. Y. Corn-harvester	749,888	Jan. 19	2635	561	108	631
Burdick, Hiram M., assignor to Standard Harrow Company, Utica, N. Y. Hiller attachment for cultivators	768,029	Aug. 23	3846	805	111	1945
Burdick, Mark S., Alameda, Cal. Pin	773,301	Dec. 27	3652	797	113	2263
Burdon, David P., assignor of two-thirds to S. P. Holmes and G. Muller, Jacksonville, Fla. Electric motor	754,194	Mar. 8	1798	400	109	413
Bureau Can and Manufacturing Company. (See Rehfuß, John G. and M. O., assignors.)						
Bureau Can and Manufacturing Company of Delaware. (See Rehfuß, John G. and M. O., assignors.)						
Bureau, Gaudias. (See Picard and Bureau.)						
Buresh, Francis, Mapleleaf, Iowa. Adding-machine	748,924	Jan. 5	708	155	108	160
Burford, Henry, Millcreek, Ind. Ter. Disk-sharpener	752,514	Feb. 16	3258	725	108	1800
Burgemeister, Friedrich, Celle, Germany. Gas-washer	772,779	Oct. 18	3164	688	112	1679

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Burger, Franz. (See Williams, Henry M., assignor.)						
Burger, Franz, assignor of three-fourths to H. M. Williams, Fort Wayne, Ind. Distributing-valve.	777,592	Dec. 13	2227	488 489	113	1933
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Locomotive-tank condenser	753,357	Mar. 1	252	57	109	57
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Steam-boiler	767,923	Aug. 16	3585	758	111	1869
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Steam-boiler	767,924	Aug. 16	3587	759	111	1870
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Headlight.	771,807	Oct. 11	1165	259 260	112	1322
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Spray-bath	775,796	Nov. 22	4580	971	113	1084
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Locomotive.	776,494	Dec. 6	28	8	113	1430
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Removable fire-box	777,593	Dec. 13	2229	489	113	1933
Burger, Franz, and H. M. Williams, Fort Wayne, Ind.; said Burger assignor of one-half to said Williams. Steam-superheater	777,594	Dec. 13	2231	489 490	113	1934
Burger, Joseph, Winfield, Kans. Incubator to Woolley Foundry and Machine Works, Anderson, Ind. Speed-governor	771,707	Oct. 4	956	214	112	1164
Burgess, Arthur, assignor to J. H. Bromley, Philadelphia, Pa. Embroidered fabric	771,459	Oct. 4	469	107	112	1058
Burgess, Dwight W., Norwalk, Ohio. Newspaper-clip	753,039	Feb. 23	4331	963	108	2057
Burgess, Frank. (See Robinson, Joseph H., assignor.)	774,086	Nov. 1	999	210	113	226
Burgess, George L., Goodland, Ind. Bill-file	753,849	Mar. 8	1273	286	109	294
Burgess, Joseph P., Moberly, Ind. Separating buck and plantain seed from clover-seed.	772,932	Oct. 25	3447	747	112	1760
Burgess, Richard E., Kansas City, Mo. Hydrocarbon-vapor burner	773,192	Oct. 25	4141	875	112	1920
Burgess, William E., Aberbeeg, England. Funnel	764,422	July 5	1049	213	111	233
Burgess, William E., St. Joseph, Mo. Metallic railway-tie	770,259	Sept. 20	2119	446	112	510
Burgett, John W., Guttenberg, N. J. Suspenders	754,641	Mar. 15	2983	627	109	659
Burghardt, Edward H., St. Paul, assignor to Washburn-Crosby Co., Minneapolis, Minn. Thread-cutter for bag-sewing machines	768,111	Aug. 23	4061	855 856	111	1906
Burghardt, Edward L., et al. (See Clough, John A., assignor.)						
Burghardt, Harry D., et al. (See Clough, John A., assignor.)						
Burgi, Richard, Fasingen, Lothar, Germany. Gramophone-plate holder	774,037	Nov. 1	1000	210	113	226
Burkum, William C., assignor of one-half to J. W. Housberg, Pittsburg, Pa. Rail-joint.	753,470	Mar. 1	466	109	109	102
Burhorn, Edwin, Hoboken, N. J. Device for cooling liquids	772,780	Oct. 18	3165	688	112	1679
Burk Brothers. (See Harrigan, John M. and D. F., assignors.)						
Burk, Jasper A. (See Gentry and Burk.)						
Burk & Smith. (See Pettibone, James W., assignor.)						
Burkart, William, and H. A. Williams, Denver, Colo. Safety device for hoisting mechanisms	777,661	Dec. 20	2363	519 520	113	1976
Burke-Bollmeyer Manufacturing Company. (See Burke, Stephen E., assignor.)						
Burke-Bollmeyer Manufacturing Company. (See Burke, Stephen E. and S. W., assignors.)						
Burke, Charles G., Brooklyn, N. Y., assignor of twenty-one thirtieths to J. Q. A. Whittemore, Boston, Mass. Code-index	756,209	Apr. 5	26	6	109	1348
Burke, Charles G., Brooklyn, N. Y., assignor of seven-tenths to J. Q. A. Whittemore, Boston, Mass. Code-index	756,468	Apr. 5	557	116	109	1461
Burke, Charles G. and E. J., Brooklyn, N. Y., assignors of twenty-one thirtieths to J. Q. A. Whittemore, Boston, Mass. Electric system of transmission	775,416	Nov. 22	3797	804	113	916
Burke, Edward, New York, N. Y., assignor to Union Special Sewing Machine Company, Chicago, Ill. Attachment for ruffling and sewing machines	761,578	May 31	5939	1274	110	1390
Burke, Edward J. (See Burke, Charles G. and E. J.)						
Burke Electric Company. (See Burke, James, assignor.)						
Burke, Erwin A., Cleveland, Ohio. Punching-machine	749,164	Jan. 12	1248	268	108	306
Burke, Henry B., Windsor, Pa. Metallic tie and rail-fastener	777,493	Dec. 13	2013	445	113	1887
Burke, James, Berlin, Germany, assignor to Burke Electric Company. Armature	768,843	Aug. 30	5569	1169	111	2350
Burke, James J., Hartford, Conn. Feeder for steam-boilers	750,085	Jan. 19	3097	666	108	721
Burke, James J., Hartford, Conn. Reducing-valve	757,881	Apr. 19	3334	722	109	2089
Burke, John C., Middlesboro, Ky. Astronomical clock	754,845	Mar. 15	3267	712 713	109	748
Burke, Solon W. (See Burke, Stephen E. and S. W.)						
Burke, Stephen E., Edon, Ohio. Automobile-climber	761,873	June 7	531	105	110	1559
Burke, Stephen E., Edon, assignor to Burke-Bollmeyer Manufacturing Company, Wauseon, Ohio. Windmill-oller	749,526	Jan. 12	2017	419	108	472
Burke, Stephen E., Edon, and S. W. Burke, assignors to Burke-Bollmeyer Manufacturing Company, Wauseon, Ohio. Swivel for windmills	761,143	May 31	5127	1089	110	1209
Burke, William, East Stroudsburg, Pa. Machine for working old paper-stock	753,540	Mar. 1	624	141	109	137
Burkett, Thomas, and L. C. Davenport, McCrory, Ark. Plow attachment	750,251	Jan. 26	3399	735	108	805
Burkhardt, Franklin P. (See Kane and Burkhardt.)						
Burkhardt, Franklin P., Springfield, Ohio. Hay-rake	766,928	Aug. 9	1663	348 349	111	1431
Burkhardt, Franklin P., Chicago, Ill. Belt-tightener	776,170	Nov. 29	5332	1127	113	1271
Burkhardt, Franklin P., assignor to Warder, Bushnell & Glessner Company, Chicago, Ill. Pitman connection for moving-machines	754,538	Mar. 15	2669	580	109	619
Burkhardt, Franklin P., assignor to Warder, Bushnell & Glessner Company, Chicago, Ill. Grinder for harrow-disks	756,827	Apr. 12	1236	274	109	1622
Burkhardt, Franklin P., assignor to Warder, Bushnell & Glessner Company, Chicago, Ill. Tension device for grain-binders	771,229	Oct. 4	16	3	112	964
Burkhardt, Franklin P., Chicago, Ill., assignor to Warder, Bushnell & Glessner Company, Springfield, Ohio, and Chicago, Ill. Sickle-grinder	756,828	Apr. 12	1228	274	109	1622
Burkhardt, Franklin P., assignor of one-half to F. Streich, Chicago, Ill. Automatic harrowing-machine	758,616	May 8	14	3	110	6
Burkhardt, Franklin P., and F. Streich, Chicago, Ill. Surfacing and jointing machine	752,650	Feb. 23	3549	790	108	1881
Burkhardt, John F., San Antonio, Tex. Gate	755,271	Mar. 22	4028	893	109	929
Burkhead, Charles W., Madisonville, Ohio. Overhead-trolley guide	759,437	Feb. 16	3125	694	108	1770
Burkholder, John H., Ashland, Ohio, assignor, by mesne assignments, to H. C. Smith, Chicago, Ill. Hanger and track for sliding doors	771,766	Oct. 4	1070	239	112	1188
Burkholder, John H., Ashland, assignor to W. V. B. Topping and G. C. Bowman, Ashland county, Ohio. Air-pump	772,025	Oct. 11	1635	366	112	1324
Burkland, Carl, Chicago, Ill. Infant's garment	770,493	Sept. 20	2588	548	112	618
Burks, Fred, and C. Rohlf, Buffalo, N. Y. Electrical apparatus	768,581	Aug. 30	5022	1053	111	2229

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Burks, Roy E., Pauls Valley, Ind. Ter. Nut and bolt lock	778,107	Dec. 30	3261	716	113	2160
Burks, William E., Ashland, Ky. Holder for paper sacks	749,527	Jan. 12	2020	419	108	473
Burks, William E., Ashland, Ky. Wall-desk	775,646	Nov. 22	4302	908	113	1026
Burland, Edward G., Watsonville, Cal. Adjustable canopy	757,175	Apr. 12	1930	422	109	1772
Burley, Harry S., assignor of one-half to B. A. Estep, Chicago, Ill. Adjustable extension-hanger	761,757	June 7	2859	534	110	1497
Burling, Walter, Grand Rapids, Mich. Lighting electric trolleys	771,295	Oct. 4	148	33	112	993
Burlingham, Lucious D., assignor to Warren Novelty Company, Warren, Ohio. Jar-sealing wrench	750,163	Jan. 19	3242	699	108	752
Burlington Brass Works. (See Storie, Ole O., assignor.)						
Burman, Birger F. (See Backlund and Burman.)						
Burman, Ernest S., et al. (See Henderson, James C., assignor.)						
Burnam, James F., Madison Station, Ala. Protector for pneumatic tires	771,296	Oct. 4	149	33	112	993
Burnell, Arthur S. (See Sparks, Fred C., assignor.)						
Burnell, Arthur S., Marshalltown, Iowa. Matting	760,101	May 17	3047	637	110	721
Burnell, Arthur S., assignor to Queen Manufacturing Company, Marshalltown, Iowa. Matting	771,808	Oct. 11	1167	260	112	1223
Burnell, Arthur S., assignor to Queen Manufacturing Company, Marshalltown, Iowa. Mat	771,809	Oct. 11	1168	260	112	1223
Burner, Allen C., Cass, W. Va. Cider-mill	766,663	Aug. 2	1074	224	111	1279
Burner, William L., Columbus, Ohio. Sifting machine or screen	755,445	Mar. 22	4333	964	109	936
Burnett, Charles, Shreve, Ohio. Fat-cutter	748,841	Jan. 5	541	124	108	123
Burnett, Cuthbert, Durham, England. Tire for vehicle-wheels	770,348	Sept. 20	2331	489	112	559
Burnett, William E., Newark, N. J. Photographic-printing frame	762,228	June 7	1164	249	110	1692
Burnett, William H., assignor of one-half to L. R. Lawson, J. H. Bassett, Springfield, Ill., and B. M. Brochu, Fort Smith, Ark. Nut-lock	767,203	Aug. 9	2207	459	111	1548
Burnett, William S., Milwaukee, Wis. Electrical selecting or individualizing instrument	768,558	Aug. 23	4953	1037	111	2196
Burnham, Alexander C., New York, N. Y. Automatic instand	754,967	Mar. 22	3493	764	109	815
Burnham, Arthur M., Gardiner, Me., assignor to Burnham Manufacturing Company, Washington, D. C. Mail-box	772,128	Oct. 11	1841	409	112	1369
Burnham, Charles S. (See Cruickshank and Burnham.)						
Burnham, Charley E., De Kaib Junction, N. Y. Sled	767,260	Aug. 9	2302	438	111	1569
Burnham, George E., Central Falls, R. I. Changeable sign	755,272	Mar. 22	4029	894	109	989
Burnham, Leron O., Frankfort, Mich. Mold for building-blocks	760,678	May 24	4174	886	110	927
Burnham, Lucy A., Kansas City, Mo. Warning-oven for gas or vapor stoves	771,230	Oct. 4	18	4	112	964
Burnham Manufacturing Company. (See Burnham, Arthur M., assignor.)						
Burnham, Rollin, Storm Lake, Iowa. Wrench	778,302	Dec. 27	3654	797	113	2263
Burnham, William H., Adrian, Mich. Splicing-ring	763,150	June 21	3045	654	110	2139
Burnham, Williams & Company. (See Austin, William L., assignor.)						
Burnham, Williams & Company. (See Rushton, Kenneth, assignor.)						
Burnite, Thomas B., et al. (See Zilles, Leslie F., assignor.)						
Burnley Automatic Loom. (See Crossley, Bernard, assignor.)						
Burns, David M., Greenbay, Wis. Supporting-lug	774,932	Nov. 15	2745	588	113	649
Burns, Edward, Zealring, Iowa. Bottle	763,376	July 19	2951	617	111	675
Burns, Edward, assignor to Stanley Works, New Britain, Conn. Handle	765,125	July 12	2474	517	111	554
Burns, Jeremiah D., Washington, D. C. Button belt-loop attachment for garments	758,350	Apr. 26	4285	921	109	2316
Burns, Joseph F., Brooklyn, N. Y. Pyrographical instrument	769,936	Sept. 13	1528	326	112	362
Burns, P. C., et al. (See Clausen, Henry P., assignor.)						
Burns, P. C., et al. (See Setter, Michael, assignor.)						
Burns, Peter C., assignor to American Electric Telephone Company, Chicago, Ill. Telephone desk set	765,064	July 12	2376	499	111	532
Burns, Peter J., Elizabeth, assignor of one-half to L. H. Barker, Jersey City, N. J. Protecting metals	756,934	Apr. 12	1435		109	1664
Burns Silver and Company. (See Bassick, Edgar W., assignor.)						
Burns, Timothy J., Pittsburg, Pa. Camera	771,607	Oct. 4	760	169	112	1121
Burns, Timothy J., and F. O. Casteel, Pittsburg, Pa.; said Casteel assignor to said Burns. Cuspidor	753,229	Mar. 1	24	5	109	7
Burns, William, et al. (See Dillon, Lybran J., assignor.)						
Burnside, Curtis, and J. E. Bedell, Chetopa, Kans. Display-rack	750,803	Feb. 2	38	8	108	1065
Burnside, Robert, Montreal, Canada. Packing-cup	738,410	Apr. 26	4392	944	109	2340
Burnstone, Hiram, New York, N. Y. Display-stand	750,804	Feb. 2	39	8	108	1065
Burpee, Frank W., Fairhaven, Wash., assignor to Letson and Burpee, Fairhaven, Wash., and Vancouver, Canada. Shingle-machine	760,610	May 24	4015	854	110	954
Burpee, George H., Philadelphia, Pa., assignor to Fuel Economizer Company of America, Camden, N. J. Fuel-economizing apparatus	750,590	Jan. 26	4050	876	108	945
Burr, Blanche M., South Framingham, Mass. Garment-fastener	758,507	Apr. 28	4590	987	109	2386
Burr, Franklin H., Atlantic, Iowa. Mail receiving and delivering mechanism for railways	761,874	June 7	533	106	110	1559
Burr, Gustav, Chicago, Ill. Glove-turner	754,539	Mar. 15	2671	580	109	619
Burr, Jesse T., Glenville, Ohio. Water-heating and steam-generating device	757,263	Jan. 12	2081	454	109	1803
Burr, John M., Norwalk, Conn. Water-closet tank mechanism	761,758	June 7	272	54	110	1498
Burrell & Company, D. H. (See Lane, Frederic A., assignor.)						
Burridge, Lee S., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Tabulating device for type-writing machines	752,831	Feb. 23	3870	868	108	1952
Burris, Israel V., assignor of one-half to R. G. Bryant, Denver, Colo. Automatic torpedo adjuster and exploder	778,401	Dec. 27	3858	841	113	2307
Burris, Samuel C., Seattle, Wash. Adjustable miter-box	761,617	June 7	415	85	110	1331
Burritt, William H., St. Louis, Mo. Apparatus for lasting shoe-uppers	761,356	May 31	5337	1183	110	1304
Burrough, Thomas E., Trenton, N. J. Feed-bag	778,423	Dec. 27	3941	857	113	2325
Burroughs, Henry J., Los Angeles, Cal. Ore-separator	752,027	Feb. 16	2341	524	108	1596
Burroughs, Oliver B. (See Machen, James H., assignor.)						
Burroughs, Oliver B., Norfolk, Va. Trap	763,850	June 28	4415	960	110	2457
Burroughs, William B., Baltimore, Md. Net for holding live fish	756,097	Mar. 29	5025	1940	109	1297
Burroughs, William B., and S. H. Ellis, New York, assignors to Lane Steam Packing Company, New York county, N. Y. Car-replacer	765,333	July 19	2871	600	111	658
Burrow, Ernest J., et al., executors. (See Mitchell, Charles.)						
Burrow, Walter B., Norfolk, Va. Converter for making steel, &c.	755,215	Mar. 22	3924	988	109	907
Burrow, Walter B., Norfolk, Va. Apparatus for casting metals in vacuums	755,842	Mar. 29	5142	1137	109	1192
Burrow, Walter B., Norfolk, Va. Treating and manufacturing steel	757,903	Apr. 19	3195	694	109	2059
Burrow, Walter B., Norfolk, Va. Mechanical puddling-furnace	775,026	Nov. 15	2932	625	113	694

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Burrowes, Edward T. (See Burrowes, Frank M., assignor.)						
Burrowes, Edward T., Portland, Me. Game-board stand	759,343	May 10	1564	1315	110	375
Burrowes, Edward T., Portland, Me. Key-retainer	761,059	May 31	4972	1054	110	1176
Burrowes, Edward T., Portland, Me., assignor to Curtain Supply Company, Chicago, Ill. Shade-holding device	765,878	July 26	3965	846	111	902
Burrowes, Frank M., assignor to E. T. Burrowes, Portland, Me. Folding table	766,988	Aug. 9	1763	371	111	1453
Burrowes, Katharine, Detroit, Mich. Device for music instruction	765,698	July 26	3601	765	111	828
Burrows, Amos E., assignor to Burrows Manufacturing Company, York, Pa. Steam-controlling device	771,417	Oct. 4	409	91	112	1044
Burrows, Frank E., et al. (See Gallagher, George S., assignor.)						
Burrows Manufacturing Company (See Burrows, Amos E., assignor.)						
Burrows, Thomas, Hamilton, Canada. Hand-truck	751,053	Feb. 2	497	115	108	1168
Burrows, William F., Buffalo, N. Y. Rail-joint	772,455	Oct. 18	2521	553	112	1541
Burrows, William J., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air-gun	765,270	July 19	2737	570	111	629
Burrows, William R., Newark, N. J., assignor to General Electric Company. Perforating glass bulbs	756,935	Apr. 12	1435	319	109	1664
Burrows, William R., Newark, N. J., assignor to General Electric Company. Tubulating-machine for incandescent lamps	766,321	Aug. 2	371	78	111	1122
Burrows, William R., Newark, N. J., assignor to General Electric Company. Apparatus for producing high vacuums	778,221	Dec. 27	3473	764	113	2225
Burry, John, Ridgefield Park, N. J. Circuit-breaker	760,679	May 24	4176	561	110	988
Burry, John, Ridgefield Park, N. J., assignor to Stock Quotation Telegraph Company, New York, N. Y. Roll-holder	754,420	Mar. 15	2414	529	109	562
Burson, Schuyler C., Shubert, Nebr. Automatic brake	759,666	May 10	2197	452	110	513
Burson, William W. (See Burson, Wilson W. and W. W.)						
Burson, Wilson W., Rockford, and W. W. Burson, Chicago, Ill. Motor-vehicle	749,165	Jan. 12	1250	269	108	307
Burt, Alonzo L., Bridgeport, Conn., assignor to Burt Company, Hackensack, N. J. Game-ball-dyeing apparatus	751,145	Feb. 2	664	153	108	1201
Burt Company. (See Burt, Alonzo L., assignor.)						
Burt, Eli A. and H. Harris, New York, N. Y. Brush, cleaner, or polisher	759,155	May 3	1116	226	110	253
Burt, Henry L., Lincoln, Nebr. Hand fire-extinguisher	762,382	June 14	1482	323	110	1780
Burt, James H., et al. (See Kinsey and Anderson, assignors.)						
Burt, James H., Springfield, Mass., assignor to Burt Company, Brooklyn, N. Y., and R. C. Grossman, Jersey City, N. J., assignors to said Burt, P. S. Kinsey, Newark, N. J., and W. Kinsey, New York, N. Y. Shoe-tree	754,047	Mar. 8	1649	367	109	379
Burt, Martin C., Chicago, Ill. Telephone	754,968	Mar. 22	3495	765	109	815
Burt, Martin C., Chicago, Ill. Storage battery	754,969	Mar. 22	3496	735	109	816
Burt, Martin C., Chicago, Ill. Dynamo	763,815	Sept. 13	1297	275	112	313
Burtis, Benjamin F., Gravesend Beach, N. Y. Hinge	763,256	June 21	3247	701	110	2185
Burton, Amos J., Parry Sound, Canada. Band-saw clapboard-machine	749,839	Jan. 19	2626	562	108	622
Burton, Asher S. (See Wettlin, Charles H., assignor.)						
Burton, Benjamin F. (See Burton, Manous H. and B. F.)						
Burton, Charles H., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic carrier	760,680	May 24	4178	888	110	988
Burton, Charles H., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic carrier	768,030	Aug. 23	3847	805	111	1945
Burton, Charles H., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-despatch apparatus	768,031	Aug. 23	3849	805	111	1946
Burton, Charles S., Oakpark, Ill., assignor to E. Tyden, Hastings, Mich. Pedestal-table-lock	754,196	Mar. 8	1921	427	109	440
Burton, Charles S., Oakpark, Ill., assignor to E. Tyden, Hastings, Mich. Pedestal-table-locking device	759,966	May 17	2771	581	110	658
Burton, Charles S., Oakpark, assignor to M. Clark, Chicago, Ill. Pneumatic motor for automatic musical instruments	756,469	Apr. 5	5662	117	109	1462
Burton, Clinton H., St. Louis, Mo. Steam-cooker	753,118	Feb. 23	4461	992	108	2085
Burton, George D., Boston, Mass., assignor to Boston Leather Process Company, Portland, Me. Electrically extracting essential oil	763,151	June 21	3046	655	110	2139
Burton, George D., Boston, Mass., assignor to Boston Leather Process Company, Portland, Me. Apparatus for making extracts by electricity	763,152	June 21	3047	656	110	2140
Burton, George W., and A. F. Seibel, Toledo, Ohio. Carburetor for hydrocarbon-engines	775,553	Nov. 22	4109	865	113	984
Burton, Manous H., Cedar Rapids, and B. F. Burton, Waterloo, Iowa. Coat and hat hanger	763,461	June 28	3680	793	110	2301
Burton, Smith P., Jr. (See Huff, Henry H., assignor.)						
Burton, William H. (See Repsdorph and Burton.)						
Burton, William M., assignor to Standard Oil Company, Chicago, Ill. Making hydroxy stearic acid	772,129	Oct. 11	1843	.....	112	1369
Burt, Albert F., assignor to Draper and Maynard Company, Plymouth, N. H. Boxing-glove	768,733	Aug. 30	5340	1125	111	2299
Burwell, Earl S., Madison, Wis. Blanket attachment	773,131	Oct. 25	4142	875	112	1921
Burwell, John, Central City, Colo. Mechanical stoker	759,859	May 17	2578	538	110	613
Bury, Edmund, Philadelphia, Pa. Summer-car	769,301	Sept. 6	337	76,77	112	73
Busbee, Miles L., Oklahoma, Okla. Ter. Miter-box	751,255	Feb. 2	907	207	108	1250
Busch, Albert, Brunswick, assignor to Bauer & Co., Berlin, Germany. Making water-soluble albuminous compounds	750,945	Feb. 2	314	.....	108	1127
Busch, Albert, Brunswick, assignor to Bauer & Co., Berlin, S. W. Germany. Making water-soluble albuminous compounds	751,428	Feb. 2	1198	.....	108	1312
Busch, August A., R. Gull, and T. J. Barry, deceased, (J. H. Barry, executrix,) St. Louis, Mo. Pasteurizer	755,108	Mar. 22	3728	819	109	868
Busch, Mackey, Clarksville, Mo. Mechanical lamp-extinguisher	774,907	Nov. 15	2939	577	113	636
Busche, John C., Turtlecreek, Pa. Variable-speed and reversing gear	767,866	Aug. 16	3479	736	111	1846
Busche, Thomas W., New York, N. Y. Upholster	765,377	July 19	2952	618	111	675
Buschmeyer, Henry W., Louisville, Ky. Fishing-rod	760,181	May 17	3211	673	110	757
Buser, Jacob N., Anderson, Ind. Protector attachment for harvester-binders	767,867	Aug. 16	3482	736	111	1847
Bush, Charles, assignor of one-half to W. R. Carnahan, Schoolhouse, W. Va. Wire-stretcher	748,697	Jan. 5	279	64	108	62
Bush, George F., Pricedale, Pa. Fowl-carrier	750,252	Jan. 26	3400	735	108	805
Bush, Herbert S., Dekalb, Ill. Sign-board	764,838	July 12	1936	397	111	440
Bush, Hiram T. (See Pipher, Edward, assignor.)						
Bush, Samuel P., Columbus, Ohio. Bolster	776,045	Nov. 29	5092	1075	113	1217
Bush, Stanley A., et al. (See Maxon, Carl W., assignor.)						
Bush, William, assignor to D. G. Jones, Jackson, Mich. Skirt	761,200	May 31	5229	1110	110	1232
Bushey, Sylvester A., Denton, Tex. Grain-car door	750,431	Jan. 26	3729	810	108	881

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Bushley, Edmund T., Lakeview, Mich. Adjustable snow-plow.....	763,592	June 28	3908	849	110	2349
Bushnell, Alvah, Jr., Philadelphia, Pa. Envelop.....	754,048	Mar. 8	1652	850	109	980
Bushnell, Alvah, Jr., Philadelphia, Pa. Envelop or expanding wallet.....	757,596	Apr. 19	2782	609	109	1969
Bushnell, John S., <i>et al.</i> (See Williams, Albert L., assignor.)						
Busse, Frank A., Alameda, Cal. Device for preventing refilling of bottles.....	771,122	Sept. 27	3818	806	112	909
Busse, William A., Chicago, Ill. Chair.....	762,512	June 14	1764	377	110	1841
Bussell, James W., Midlothian, Tex. Machine for removing insects from plants or the like.....	766,099	July 26	4400	942	111	996
Bussenius, Otto, New York, N. Y. Bath-tub.....	755,109	Mar. 22	3730	820	109	868
Bussey, Thomas H. (See Paley and Bussey.)						
Bussinger, William J., assignor to National Specialty Manufacturing Company, Philadelphia, Pa. Clamp for securing pumps to barrels.....	750,591	Jan. 26	4051	876	108	946
Bussinger, William J., assignor to National Specialty Manufacturing Company, Philadelphia, Pa. Measuring device for pumps.....	761,444	May 31	5710	1216	110	1339
Butcher, Charles, Cambridge, Mass. Post-hole digger.....	754,421	Mar. 15	2416	529	109	563
Butcher, Edwin, Worcester, Mass. Heddle.....	776,216	Nov. 29	5414	148	113	1289
Butcher, James M., St. Louis, Mo., assignor, by mesne assignments, to World's Fair Novelty Company, Spinning-top.....	755,446	Mar. 22	4354	964	109	998
Butcher, James M., assignor of fifty-one one-hundredths to M. R. Orthwein, St. Louis, Mo. Sash-lock.....	766,322	Aug. 2	372	78	111	1122
Butcher, James M., St. Louis, Mo., assignor of two-thirds to G. Banta, Menasha, Wis., and C. H. Street, Chicago, Ill. Floor-wise.....	763,941	June 28	4591	1008	110	2494
Butcher, James M., assignor to J. Bannerman and H. H. Carr, St. Louis, Mo. Chain jack.....	774,231	Nov. 8	1352	288	113	322
Butcher, John, <i>et al.</i> , executors. (See Mitchell, Charles.)						
Butcher, Joseph, New York, N. Y. Automatic fire-extinguisher.....	765,765	July 26	3738	793	111	854
Butin, Louis M. A., Paris, France. Pump or motor.....	755,353	Mar. 22	4188	925	109	964
Butler Arc Light Company. (See Diehl, George C., assignor.)						
Butler Drawbar Attachment Company. (See Waggoner, William B., assignor.)						
Butler, Elsie C. (See Canfield, Charles S., assignor.)						
Butler, F. E., <i>et al.</i> (See McClintock, Edward, assignor.)						
Butler, Frank L., Schenectady, N. Y., assignor to General Electric Company. System of motor control.....	757,019	Apr. 12	1616	351	109	1701
Butler, Graham R., Omaha, Nebr. String-cutter.....	769,726	Sept. 13	1119	240	112	271
Butler, Hard. (See Clary, John A., assignor.)						
Butler, Henry S., Des Moines, Iowa. Seed-planter.....	753,119	Feb. 23	4462	992	108	2085
Butler, Henry S., Des Moines, Iowa. Automatic register for cars.....	755,592	Mar. 22	4607	1024	109	1055
Butler, Hugh E., and J. L. McCollum, Atlanta, Ga. Alarm-signal for railway-trains.....	752,822	Feb. 23	3874	869	108	1954
Butler, Ira E., Chicago, Ill. Air and gas mixer for carbureters.....	774,307	Nov. 8	1490	320	113	353
Butler, James M., Bernice, Neb. Fertilizer-distributor.....	757,020	Apr. 12	1618	353	109	1702
Butler, Joseph, Cleveland, Ohio. Bearing.....	751,715	Feb. 9	1717	390	108	1441
Butler, Joseph C., Cincinnati, assignor of one-half to F. S. Gilbert, Lima, Ohio. Heater for oil-wells.....	760,304	May 17	3428	728	110	805
Butler, Joseph F. (See Holtmann and Butler.)						
Butler, Minnie M., Savannah, assignor of one-half to M. W. Munford, Hawkinsville, Ga. Combined drawers and petticoat.....	773,117	Oct. 25	3969	842	112	1881
Butler, Paul, Lowell, Mass. Apparatus for cleaning cartridges.....	774,826	Nov. 15	2521	543	113	597
Butler, Paul, Lowell, Mass. Machine for priming cartridge-shells.....	774,827	Nov. 15	2523	544	113	597
Butler, Samuel, Westbury-upon-Trym, England. Rim for vehicle-wheels.....	749,840	Jan. 19	2630	563	108	622
Butler, Thomas P., Wantagh, N. Y. Rotary engine.....	756,210	Apr. 5	30	7	109	1349
Butler, William. (See Miller and Butler.)						
Butler, William A., <i>et al.</i> (See Randolph, Peter F., assignor.)						
Butler, William A., San Francisco, Cal. Windmill.....	753,541	Mar. 1	625	142	109	137
Butler, William E., Millersburg, Ky. Game-board.....	750,346	Jan. 26	3584	778	108	849
Butler, William H., New York, N. Y. Box-making machine.....	749,359	Jan. 12	1652	352	108	397
Butler, William H., Macon, Mo. Dough-mixer.....	771,041	Sept. 27	3656	770	112	872
Butler, Wilson W. (See Parks, Robert H., assignor.)						
Butterfield, Frank E. (See Loux and Butterfield.)						
Butterfield, George F., assignor to G. I. Butterfield, Boston, Mass. Machine for applying rubber soles to the bottoms of leather boots or shoes.....	762,024	June 7	799	103	110	1611
Butterfield, George F., assignor to G. I. Butterfield, Boston, Mass. Shoe-sole vulcanizing and applying apparatus.....	774,865	Nov. 15	2614	560	113	618
Butterfield, George F., Framingham, assignor to G. I. Butterfield, Boston, Mass. Rubber-soled shoe and welt therefor.....	772,026	Oct. 11	1637	366	112	1324
Butterfield, George F., Framingham, assignor to G. I. Butterfield, Boston, Mass. Rubber-soled leather boot or shoe.....	772,027	Oct. 11	1638	367	112	1324
Butterfield, Grace I. (See Butterfield, George F., assignor.)						
Butterfield, Oscar A., assignor to Nichols and Shepard Company, Battlecreek, Mich. Band-cutter for threshing-machines.....	774,155	Nov. 8	1216	260	113	291
Butterfield, Walter V., Silsbee, Tex. Rail plate and fastener.....	763,153	Nov. 21	3049	657	110	2140
Butterfield, William R. (See Siegel, Richard G., assignor.)						
Butterfuss, Philip. (See Sheldon and Butterfuss.)						
Butters, Charles, Berkeley, Cal. Precipitating metals from solutions.....	756,211	Apr. 5	34	-----	109	1350
Butters, Lorenzo D., North Billerica, Mass. Spike-extractor.....	767,925	Aug. 16	3539	759	111	1870
Butterworth, Charles C., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company. Drying-cylinder for textile machinery.....	755,354	Mar. 22	4189	926	109	964
Butterworth, Joseph. (See Tonge and Butterworth.)						
Butterworth, Joseph J., Chicago, Ill. Gage.....	753,120	Feb. 23	4465	938	108	3086
Butterworth, Thomas C., San Francisco, Cal. Hitching-post.....	757,822	Apr. 19	3336	722	109	2090
Butts, Alfred J., Manhattan, Mich. Escapement for timepieces.....	762,682	June 14	2112	460	110	1916
Butts, Charles H., Middletown, Md. Fastener for harrow or cultivator teeth.....	778,108	Dec. 20	3303	716	113	2160
Butts, Daniel G. (See Seyl and Butts.)						
Butts, Ida M., <i>et al.</i> (See Harmany, Frederic, assignor.)						
Butts, Lucien A., Russell, Iowa. Fence-wire stretcher.....	751,608	Feb. 9	1521	346	108	1401
Buxton, Charles E., Palmerston North, New Zealand. Pneumatic-tire cover.....	770,795	Sept. 27	3160	670	112	762
Byes, Thomas J., Brooklyn, N. Y. Brace or support for tennis-poles.....	751,146	Feb. 2	667	153	108	1202
Buzbee, Frank J., Bagdad, Fla. Car-stanchion.....	760,418	May 24	3630	769	110	867
Buzbee, Frank J., Century, Fla. Boat-propeller.....	762,984	June 21	2712	559	110	2066
Buzzell, Charles A., Salisbury, Mass. Gas-generating stove.....	774,866	Nov. 15	2616	561	113	619

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Buzzell, George B. M., Boston, Mass. Hose-coupling	758,956	May 3	752	150	110	174
Bybee, Addison. (See Shiek, Daniel W., assignor.)						
Bye, Andrew, Butte, Mont. Air-expanding water-elevator	762,615	June 14	1978	427	110	1886
Bye, Charles E., et al. (See Allen, Lyman H., assignor.)						
Bye, William O., et al. (See Allen, Lyman H., assignor.)						
Byer, Edgar H., Waynesboro, Pa. Drill-chuck	767,261	Aug. 9	2303	482	111	1570
Byers, James J., Pensacola, Fla., assignor to E. H. Robertson, Mobile, Ala. Tube-ex-	773,500	Oct. 25	3707	797 798	112	1816
pander						
Byers, James J., Pensacola, Fla., assignor to J. B. Brittain. Tube or flue cleaner	776,452	Nov. 29	5868	1239 1240	113	1394
Byers, John F., Ravenna, Ohio. Machine for distributing powdered materials	764,345	July 5	880	180	111	192
Byers, John F., Ravenna, Ohio. Rubber tire	775,361	Nov. 22	3683	782	113	800
Byers, Orin G., Baltimore, Md. Memorandum-holder for telephones	756,470	Apr. 5	563	117	109	1462
Byers, S. A. (See Waters, Caswell, assignor.)						
Byington, Albert, Rochelle, Ill. Lubricator	768,257	June 21	3248	701	110	2186
Byington, Chilton E., Harrisburg, Ill. End-gate for wagons	759,860	May 17	2551	539	110	614
Byington, Joseph N., Walnut Grove, Minn. Scissors or shears	763,718	June 28	4162	307	110	2403
Byler, Frank D., and D. M. Mast, Morgantown, Pa. Pole-derrick	757,021	Apr. 12	1630	352	109	1702
Byles, Emil, et al. (See Born, Marion A., assignor.)	764,987	July 12	2225	460	111	503
Byles, Emma, et al. (See Born, Marion A., assignor.)						
Byram, Theodore P., Detroit, Mich. Rudder	750,592	Jan. 26	4052	876 877	108	946
Byrd, Charles P., Atlanta, Ga. Inking mechanism	775,698	Nov. 22	4404	929 930	113	1047
Byrd, Walter, Winnipeg, Canada. Tube-welding machine	771,123	Sept. 27	3621	807	112	910
Byrd, Walter M., Mount Gilead, N. C. Rotary engine	770,890	Sept. 27	3357	709	112	806
Byrnes, Clarence P., Sewickley, Pa. Drawing articles from molten baths	750,253	Jan. 26	3401	736	108	805
Byrnes, Clarence P., Sewickley, Pa. Spring cushioning device	752,515	Feb. 16	3261	727	108	1800
Bystrom, John, Chicago, Ill. Extension-hanger for lamps	753,850	Mar. 8	1275	286	109	295
Byster, John, Chicago, Ill. Extension-hanger for lamps	753,851	Mar. 8	1277	286	109	295
Bywater, Harry, Chicago, Ill. Construction of railway-sleepers	770,348	Sept. 30	3401	736	110	533
Byxbe, Jasper A., and E. Callen, Oswego, Kans. Neck-yoke	770,735	Sept. 27	3039	647	112	736
C. Mattison Machine Works. (See Mattison, Christen, assignor.)						
C. B. Cottrell & Sons Company. (See Barber, Howard M., assignor.)						
C. B. Cottrell & Sons Company. (See Cottrell, Charles P., assignor.)						
C. B. Cottrell & Sons Company. (See Cottrell, Edgar H., assignor.)						
C. B. Cottrell & Sons Company. (See McKee, Milton A., assignor.)						
C. B. Cottrell & Sons Company. (See Seymour, Ralph C., assignor.)						
C. J. Haley & Company. (See Pilkington, Joseph H., assignor.)						
C. S. Binner Corporation. (See Binner, Charles S., assignor.)						
C. W. Hunt Company. (See Aumund, Heinrich, assignor.)						
Cable Company. (See Cooper, William F., Jr., assignor.)						
Cable Company. (See Cooper and Sharps, assignors.)						
Cable Company. (See Sharps, Herbert E., assignor.) (Reissue.)						
Cable Company. (See Sharps and Cooper, assignors.) (Reissue.)						
Cable, Daniel J. (See Brunt, William H., assignor.)						
Cable, Daniel J., Pittsburg, assignor of one-half to H. Braun, Allegheny, Pa. Coin-	756,326	Apr. 5	261	55	109	1400
holder						
Cable, Davis J., Lima, Ohio. Electric railway	757,264	Apr. 12	2082	454	109	1803
Cable, Frank T., New Suffolk, N. Y., assignor to Electric Boat Company. Clinometer	764,556	July 12	1333	275	111	313
Cable, Frank T., New Suffolk, N. Y., assignor to Electric Boat Company. Manually-op-	765,915	July 26	4034	862	111	915
erated steering mechanism						
Cable, Frank T., New Suffolk, N. Y., assignor to Electric Boat Company. Compensat-	778,350	Dec. 27	3751	817	113	2283
ing device for submarine boats						
Cable, Frank T., New Suffolk, and L. Y. Spear, Greenport, assignors to Electric Boat	751,609	Feb. 9	1323	347	108	1401
Company, New York, N. Y. Tank for liquid fuel						
Cable, Frank T., New Suffolk, and G. E. Edgar, Greenport, N. Y., assignors to Electric	766,216	Aug. 2	130	24, 25	111	1069
Boat Company. Storage battery	768,844	Aug. 30	5571	1170	111	2851
Cable, John, Chicago, Ill. Stamp-mill	775,390	Nov. 22	3735	792 793	113	900
Cabot, Sewall, Brookline, Mass. Electrical signaling apparatus	774,933	Nov. 15	2745	588	113	649
Cachelin, Edward, Spearfish, S. D. Auger or drill for boring rock, &c.						
Cadden, Charles C. (See Sands and Cadden.)						
Cadden, Charles C., assignor to Williams Abbott Electric Company, Cleveland, Ohio.	759,237	May 10	1357	270	110	329
Circuit-changer						
Cade, John T., Midland township, Bergen county, N. J., assignor, by mesne assignments,	775,797	Nov. 22	4581	971	113	1085
to General Railway Signal Company, Gates, N. Y. Railway signaling apparatus						
Cadle, Wilbert W., assignor of one-half to J. W. Reeser, Curwensville, Pa. Jar-closure	751,716	Feb. 9	1718	390	108	1441
Cadotte, Joseph, Suncook, N. H. Case-hardening compound	748,842	Jan. 5	543		108	123
Cadwallader, Charles, Ridgeville, Ind. Door-fastening device	756,839	Apr. 12	1230	274 275	109	1623
Cadwell, Charles C. (See Webster and Cadwell.)						
Cadwell, Edwin B. (See Ashley, Frank M., assignor.)						
Cadwell, George L. (See Kilmon, George M., assignor.)						
Cady, Carson J. (See Toscan and Cady.)						
Cady, Charles, Berkeley, Cal. Capped-bottle opener and temporary closure	758,235	Apr. 26	4037	877	109	2261
Cady, Ebon O., Auburndale, Wis. Beet topper and puller	774,646	Nov. 8	2118	462	113	486
Cady, Henry G., Pine Bluff, Ark. Blow-testing apparatus	750,593	Jan. 26	4053	877	108	946
Cady, Henry G., Pine Bluff, Ark. Spirometer toy	770,494	Sept. 20	2589	548	112	619
Cady, Hutchins C., Columbus, Ohio. Easel	758,351	Apr. 26	4287	921	109	2317
Cady, Ira D., Minneapolis, Minn. Combined whip-socket and rein-holder	777,340	Dec. 13	1525	388	113	1780
Cady, Ira D., Minneapolis, Minn. Vehicle-shaft supporter	777,241	Dec. 13	1525	388	113	1781
Cesar, Jacob, New York, N. Y. Third rail for electric railways	763,364	June 28	3482	732	110	2258
Cagle, Gaston, Wagar, Ala. Cotton-chopper	774,038	Nov. 1	1022	211	113	227
Cahill, Frank S., and W. F. Landgraf, assignors of one-third to N. C. Downs, Washing-	777,494	Dec. 13	2014	445	113	1888
ton, D. C. Speed-indicating alarm						
Cahill, George F., Holyoke, Mass. System for illuminating fields so that games may be	767,734	Aug. 16	3208	676	111	1789
played at night	755,447	Mar. 22	4305	965 966	109	999
Cahill, George F., Holyoke, Mass. Approach to movable walks, stairways, &c	770,360	Sept. 20	2120	446	112	510
Cahill, Mortimer. (See Davies, Thomas W., assignor.)						
Cahill, Patrick J., Utica, N. Y. Hanger-handle for electric lights	764,037	July 5	245	45	111	57
Cahill, Patrick J. and R. H., Leeds, Mass. Lathe	759,074	May 3	970	196	110	221

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Cahill, Richard H. (See Cahill, Patrick J. and R. H.)						
Cahill, Thaddeus, New York, N. Y. Type-writing machine or other similar instrument.	777,652	Dec. 13	2943	514 515 516	113	1956
Cahill, Thaddeus, New York, N. Y., assignor to E. Spear, J. T. Schaaff, E. H. Jackson, and J. J. Darlington, trustees. Type-writing machine or other similar instrument.	777,651	Dec. 13	2337	513 514	113	1955
Cahn, Arthur and J., and A. R. Mosler, New York, N. Y.; said Mosler assignor to said Arthur and J. Cahn. Sign-display device.	751,832	Feb. 9	1955	444	108	1492
Cahn, Jacob. (See Cahn and Mosler.)						
Cahn, Wolf, and P. H. Long, assignors to Long and Koch Company, Newark, N. J. Clasp.	769,336	Sept. 6	998	92	112	85
Cahoone, Edwin R., Troy, N. Y. Heating-stove.	763,851	June 26	4416	961	110	2457
Canoeone, Edwin R., Troy, N. Y. Grate.	775,328	Nov. 22	3601	763	113	870
Caille, Auguste A., Detroit, Mich. Coin-controlled weighing-verifier.	761,144	May 31	5129	1090	110	1209
Cairns, John C., Somerville, Mass. Game apparatus.	767,384	Aug. 16	2530	531	111	1635
Cain, John J. (See Struble, Robert D., assignor.)						
Cain, Virgil H., Atlanta, Ga. Card or label holder for the home routing of cars.	769,375	Sept. 6	478	106	112	109
Cain, William M., Carlton, Minn. Position-governing means for load-retaining stakes.	748,698	Jan. 5	280	64	108	62
Cain, William M., Carlton, Minn. Position-governing means for load-retaining stakes.	748,699	Jan. 5	283	64	108	63
Cain, William M., Carlton, Minn. Trip-sling.	762,135	Oct. 7	997	206	110	1654
Cairns, Thomas, Auckland, New Zealand. Apparatus for preventing engine-drivers running past home or distant signals.	771,895	Oct. 11	1351	306	112	1262
Calahan, Edward L., Clifton, N. J., assignor of one-half to W. M. Perkins and G. H. Souther, Brooklyn, N. Y. Trolley-restorer.	752,028	Feb. 16	2344	524	108	1597
Calberla, Georg M., Dresden, Germany. Cigarette-machine.	768,325	Aug. 23	4468	938	111	2085
Calberla, Georg M., Dresden, Germany. Apparatus for coating cigarette-paper with leaf metal.	750,254	Jan. 26	3403	737	108	806
Calcutt, Reginald B., Chicago, Ill. Hose.	750,255	Jan. 26	3405	737	108	806
Calderwood, Alexander C., Gloversville, N. Y. Trolley.	753,230	Mar. 1	25	6	109	8
Caldwell, Bennigh B. (See Andrus, Edward N., assignor.)	753,542	Mar. 1	626	142	109	137
Caldwell, Clarence W., Portage, Ohio. Road-packing.	757,597	Apr. 19	2784	609	109	1969
Caldwell, Edwin D., assignor of one-half to J. B. Wilson, Geneva, Ill. Lubricating apparatus for engines.	763,719	June 28	4163	907	110	2404
Caldwell, Eugene W., New York, N. Y. Portable X-ray apparatus.	749,813	Jan. 19	2576	548	108	611
Caldwell, Frank G., and O. Jaeger, Wheeling, W. Va. Panel for metal ceilings.	763,852	June 28	4419	962	110	2459
Caldwell, Fred E., Brooklyn, N. Y., assignor to Westinghouse, Church, Kerr and Company, Jersey City, N. J. Casing for economizers or the like.	752,281	Feb. 16	2830	625 626	108	1705
Caldwell, Harry C. (See Casanova and Caldwell.)						
Caldwell, Harry J., and J. R. Barr, Earlpark, Ind. Treating grain.	761,445	May 31	5712	1216	110	1340
Caldwell, Henry C., assignor of two-thirds to J. P. Dudley, W. T. Shepard, and A. B. Underhill, Buffalo, N. Y. Producing complete combustion.	776,171	Nov. 29	5334	1127	113	1272
Caldwell, James A., Rochester, N. Y. Foot-tub.	771,124	Sept. 27	3823	807	112	910
Caldwell, John, et al. (See Coomber, James, assignor.)						
Caldwell, John D., assignor of one-half to A. E. Mosier, Chicago, Ill. Shower-bath apparatus.	769,429	Sept. 6	570	124	112	130
Caldwell, Joseph H., et al., exorsutors. (See King, Charles W.)						
Caldwell Manufacturing Company. (See La May, Frank B., assignor.)						
Caldwell, Orestez H., Indianapolis, Ind. Electric propulsion of cars or the like.	776,826	Dec. 6	733	161 162	113	1587
Caldwell, William L., Whitestone, N. Y. Vault-light construction.	760,728	May 24	4280	909	110	1010
Caldwell, Yancey Q., et al. (See Hartell, Frederick G., assignor.)						
Caldwell, Yancey Q., Paris, and L. M. Martin, Martin, Tenn., assignors of one-third to F. G. Hartell, Chicago, Ill. Check-controlled apparatus.	753,823	Mar. 1	1215	273 274	109	261
Caldwell, Yancey Q., Paris, and L. M. Martin, Martin, Tenn., assignors of one-third to F. G. Hartell, Chicago, Ill. Vending-machine.	753,824	Mar. 1	1221	274 275	109	261
Calet, Joseph W., North Easton, Mass. Non-refillable bottle.	761,818	June 7	419	85	110	1532
Calentine, George C., assignor of three-fourths to J. C. Donnelly, Tacoma, Wash. Shoe sole and heel protector.	758,818	May 3	475	95	110	116
Caler, Merrill H., et al. (See De Fontes, Francis, assignor.)						
Caley, Charles J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Adjustable key.	756,830	Apr. 12	1232	275	109	1623
Caley, Charles J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock and latch fittings.	773,471	Oct. 25	4717	996	112	2043
Caley, Charles J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Plumb-bob.	777,242	Dec. 13	1527	339	113	1781
Caley, Charles J., New Britain, and N. W. Crandall, Meriden, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Flush bolt.	761,145	May 31	5132	1090	110	1210
Calhoun, Jesse W., W. Plains, Mo. Combined wire-cutter and pliers.	775,699	Nov. 22	4406	990	113	1047
California Powder Works. (See Stevens, Brainerd W., assignor.)						
California Quartz Mill Company. (See Booker, Edward, assignor.)						
Calkins, Albert C., Los Angeles, Cal. Furnace.	774,292	Nov. 8	1358	288	113	322
Calkins, Albert C., assignor to Calkins Company, Los Angeles, Cal. Cupel-making machine.	753,121	Feb. 23	4466	993 994	108	2086
Calkins, Albert C., assignor to Calkins Company, Los Angeles, Cal. Prospector ore-breaker.	761,579	May 31	5940	1274	110	1390
Calkins, Albert C., assignor of one-half to H. E. Brett, Los Angeles, Cal. Treating oils.	769,681	Sept. 6	1039	234	112	237
Calkins, Almon B., Nutley, N. J., assignor to American Match Manufacturing Company, New York, N. Y. Match-making machinery.	758,617	May 3	23	5	110	8
Calkins, Almon B., Nutley, N. J., assignor to American Match Manufacturing Company, New York, N. Y. Match-making machinery.	758,618	May 3	26	5, 6	110	9
Calkins, Almon B., Nutley, N. J., assignor to American Match Manufacturing Company, New York, N. Y. Veneer-sawing machinery.	767,385	Aug. 16	2531	531 532	111	1636
Calkins, Almon B., Franklin, N. J., assignor to American Match Manufacturing Company, New York, N. Y. Match-making machinery.	768,582	Aug. 30	5025	1053 1054 1055	111	2229
Calkins, Almon B., Franklin, N. J., assignor to American Match Manufacturing Company, New York, N. Y. Match-making machinery.	768,583	Aug. 30	5029	1055	111	2230
Calkins, Almon H. (See Calkins, Gary G., assignor.)						
Calkins Company. (See Calkins, Albert C., assignor.)						
Calkins, Gary G., Evanston, Ill., assignor of one-half to A. H. Calkins, Santa Monica, Cal. Oil-burner.	759,500	May 10	1877	377	110	445
Calkins, George, Oscoda, Mich. Fence-post.	771,042	Sept. 27	3657	770	112	872
Calkins, Lillian, assignor of one-half to M. B. Draper, Grand Rapids, Mich. Stocking.	757,390	Apr. 12	2354	513	109	1859

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Calkins, William H., Columbus, Ohio. Stove	766,217	Aug. 2	132	25	111	1069
Call, Oliver C., Springfield, Mass. Window-latch	767,136	Aug. 9	3068	430	111	1519
Callaghan, Robert, Philadelphia, Pa. Rail-joint	760,954	May 24	4727	1007	110	1105
Callahan, Americus F. (See James, Roswell G., assignor.)						
Callahan, Arthur, Galeton, assignor to D. Callahan, Slaterun, Pa. Broom- bride	769,430	Sept. 6	572	125	112	130
Callahan, Daniel. (See Callahan, Arthur, assignor.)						
Callahan, Frank P., Graff, Iowa. Corn-planter	778,109	Dec. 20	3364	717	113	2161
Callahan, John J., Pueblo, Colo. Dry-placer machine	765,811	July 26	3850	821	111	877
Callahan, Patrick J., Marlboro, assignor to J. R. Green, Somerville, Mass. Shoe-rack	764,346	July 5	883	180	111	193
Callan, James C. (See Lato and Callan.)						
Callan, John G., Lynn, Mass., assignor to General Electric Company. Multiple-cyl- inder engine	766,323	Aug. 2	373	79	111	1122
Callaway, James J. (See Callaway, Jerome M. and J. J.)						
Callaway, Jerome M. and J. J., Laurel, Del. Knockdown package	758,957	May 3	754	150	110	175
Callen, Elmer. (See Byxhe and Callen.)						
Callender, Edwin F., Galesburg, Ill. Time cut-out for electric circuits	772,923	Oct. 25	3448	748	112	1760
Callender, Ward G., Plainfield, Iowa. Neck-yoke strap	749,166	Jan. 12	1252	269	108	307
Callery, William S., and J. F. McGinnity, St. Joseph, Mo. Shipping-card receptacle	760,881	May 17	3562	750	110	855
Callery, William S., and R. Settle, St. Joseph, Mo. Legging	765,063	July 12	2381	495	111	538
Calleson, Amos. (See Adriance and Calleson.)						
Calley, Elias J., San Francisco, Cal. Faucet for soda-fountains	766,420	Aug. 2	551	117	111	1161
Callow, John, Liverpool, England. Apparatus for dividing and compressing or molding dough or like plastic materials	749,023	Jan. 5	938	198	108	218
Callow, Jürgen, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Meta-tolylsemicarbazid	765,164	July 19	2555		111	589
Callum, Robert G., Washington, D. C. Automatic fire and burglar alarm telegraph	758,736	May 3	316	62, 63	110	79
Callum, Robert G., Washington, D. C. Electric system for indicating the temperature of a distant point	758,819	May 3	477	95, 96 (1100)	110	116
Callum, Robert G., Washington, D. C. Electric signaling system and apparatus em- ployed therein	760,955	May 24	4728	11008	110	1105
Caloric King Furnace Company. (See Mylin and White, assignors.)						
Camden Anchor-Rockland Machine Company. (See Bird, John, assignor.)						
Camden Anchor-Rockland Machine Company. (See Lamb, Elden P., assignor.)						
Camden Iron Works. (See Matton, Frederick V., assignor.)						
Cameron, Arthur, assignor to National Drill and Manufacturing Company, Chicago, Ill. Machine for making and repairing roads	753,231	Mar. 1	27	6, 7	109	8
Cameron, Arthur, assignor to National Drill and Manufacturing Company, Chicago, Ill. Dumping-wagon	753,232	Mar. 1	31	7, 8	109	9
Cameron, Daniel. (See Bell, Charles E., assignor.)						
Cameron, Herbert G. (See Mackrow and Cameron.)						
Cameron, James H. (See Leveritt, Nicholas T., assignor.)						
Cameron, Julia E. (See Coryell, Edwin M., assignor.)						
Cameron, Malcolm G., Thomas, Ala. Combined pulverizer and roller	753,953	Mar. 8	1482	332	109	342
Cameron, Neill C., Beckville, Tex. Apparatus for molding whetstones	776,172	Nov. 29	5337	1127	113	1272
Cameron, Shelton T., Washington, D. C. Broom-making machine	778,564	Dec. 27	4165	909	113	2373
Cameron, Thomas A., Philadelphia, Pa. Electric switch	776,968	Dec. 6	1074	233	113	1665
Cameron, Thomas H., Lincoln, Neb. Straddle-row cultivator	768,263	Aug. 23	4349	915	111	2059
Carnfield, William H., Newark, N. J., assignor to Patent Development Company of America, New York, N. Y. Fountain-pen	751,256	Feb. 2	908	207	108	1250
Carmack, Horace, and W. F. Schoonover, Des Moines, Iowa. Gearing for washing-ma- chines	776,109	Nov. 29	5209	1100	113	1242
Carmann, Charles F. A., New York, N. Y. Match safe and lighter	748,925	Jan. 5	711	155	108	161
Carmatt, Ira A., Denver, Colo. Ore-concentrator	777,837	Dec. 20	2713	597 (598)	113	2051
Carmatt, Ira A., and F. E. Shepard, assignors to A. R. Wilfley, Denver, Colo. Ore-con- centrator	769,431	Sept. 6	573	125 (126)	112	130
Carp, Edmond N., Moreland, Ga. Cultivator attachment	756,576	Apr. 5	742	161	109	1499
Carp, Ervin M. (See Murphy and Carp.)						
Carp, James G., Sacramento, Cal. Hydrocarbon-burner	760,729	May 24	4281	909	110	1010
Carp, Joseph E., Washington, Ill. Grain-conveyer	752,651	Feb. 23	3552	791	108	1881
Carp, Joseph E., Washington, Ill. Portable grain-dump	756,577	Apr. 5	743	162	109	1499
Carp, Joseph E., Washington, Ill. Portable grain-dump	756,578	Apr. 5	745	162	109	1500
Carpana, Pellegrina, et al. (See Kirby, Jerry W., assignor.)						
Campbell, A. D., Minneapolis, Minn. Coupling for awning-frames	749,421	Jan. 12	1784	376	108	422
Campbell, Albert W., Glastonbury, England, assignor to Stanley Rule & Level Com- pany, New Britain, Conn. Plane	766,491	Aug. 2	715	150	111	1196
Campbell, Alexander, Ottawa, Canada. Steam-boiler	760,530	May 24	3841	815	110	917
Campbell, Andrew C., assignor to E. J. Manville Machine Company, Waterbury, Conn. Machine for forming balls	756,212	Apr. 5	35	8, 9 (1182)	109	1350
Campbell, Andrew C., assignor to E. J. Manville Machine Company, Waterbury, Conn. Eyelet-machine	768,576	Aug. 30	5632	1183 (1184)	111	2365
Campbell, Angus, Pittsburg, Pa. Cotton-harvester	777,595	Dec. 13	2232	490 (491)	113	1934
Campbell, Arthur D., Wilkesbarre, Pa., assignor to Stanley Rule & Level Company, New Britain, Conn. Bit-gage	772,211	Oct. 11	2014	444	112	1407
Campbell, Ben J., Danville, Va. Fluid-viscosity motor or turbine	760,776	May 24	4379	931	110	1031
Campbell, Ben J., Danville, Va. Fluid-viscosity turbine	766,572	Aug. 9	1588	322	111	1401
Campbell, Benjamin F., assignor to J. E. Coates, Little Rock, Ark. Lubri- cating device	755,741	Mar. 29	4927	1097	109	1141
Campbell, Benjamin F., and J. Berg, assignors to Campbell Graphite Lubricator Com- pany, Little Rock, Ark. Lubricating device	777,596	Dec. 13	2237	492	113	1935
Campbell-Bosworth Machinery Company. (See Dodge, Henry A., assignor.)						
Campbell, Carl T., Sistersville, W. Va. Swing	765,937	July 26	4109	878	111	935
Campbell, Charles A., New York, N. Y. Gas-burner	758,411	Apr. 26	4333	944	109	2340
Campbell, Charles H., Philadelphia, Pa. Food product	762,277	June 14	1275	274	110	1738
Campbell, Charles H., New York, N. Y., and P. T. Campbell, Bayonne, N. J. Concen- trating and remaking milk	771,609	Oct. 4	764	170	112	1122
Campbell, Colin. (See Bowles and Campbell.)						
Campbell, David M. P. (See La Burt and Campbell.)						
Campbell, Donald S., Sioux City, Iowa. Display-rack	759,075	May 3	973	197	110	221

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Campbell, Edwin, East Orange, N. J. Mold	760,681	May 24	4179	888	110	988
Campbell, Eleanor A., Los Angeles, Cal. Safety-pin hook and eye	751,610	Feb. 9	1525	347	108	1402
Campbell, Eleanor A., Los Angeles, Cal. Safety-pin hook and eye	773,711	Nov. 1	346	76	113	82
Campbell, Emerson B., Bakersfield, Cal. Sucker-rod joint	773,921	Nov. 1	785	164	113	181
Campbell, George A., Newton, assignor to American Bell Telephone Company, Boston, Mass. Electric circuit	773,372	Oct. 25	4507	983	112	2000
Campbell, George A., Newton, assignor to American Bell Telephone Company, Boston, Mass. Electric circuit	773,472	Oct. 25	4718	996	112	2043
Campbell, George F., and S. T. Isherwood, Bootle, near Liverpool, England. Portable electrically-driven drilling apparatus	749,841	Jan. 19	2032	503	108	622
Campbell, George W., and A. C. Williams, Chattanooga, Tenn. Bracket	772,212	Oct. 11	2015	444	112	1407
Campbell Graphite Lubricator Company. (See Campbell and Berg, assignors.)						
Campbell, Harry J., Athens, Ohio. Car-replacer	775,441	Nov. 23	3851	814	113	927
Campbell, Henry, Chicago, Ill., assignor of one-half to E. O. Marsh, Jackson, Mich. Concrete-mixer	764,557	July 12	1354	275 276	111	313
Campbell, Henry F., Boston, Mass., assignor to National Magnetic Mineral Separating Company. Magnet	750,594	Jan. 26	4054	877 870	108	946
Campbell, Henry F., Boston, Mass., assignor to National Magnetic Mineral Separating Company. Apparatus for separating ore	770,796	Sept. 27	3160	671	112	762
Campbell, Howard B., Peoria, Ill. Diaper	771,001	Sept. 27	3574	753	112	856
Campbell, James, Port Blakeley, Wash. Steam-trap	774,465	Nov. 8	1778	384	113	413
Campbell, James M., Milwaukee, Wis. Means for distributing soap in liquid or paste form	761,759	June 7	274	54	110	1499
Campbell, Jeremiah, Newton, Mass. Apparatus for transferring coal or other material	773,194	Oct. 25	4143	875 876	112	1921
Campbell, Jeremiah, Newton, Mass. Hoisting apparatus	774,828	Nov. 15	2535	545 546	113	599
Campbell, Jerry, McNoel, Ill. Rail-joint	769,056	Aug. 30	5996	1256	111	2447
Campbell, John, San Francisco, Cal. Artillery-drill	750,164	Jan. 19	3243	699	108	753
Campbell, John L., Winnipegosis, Canada. Cattle-guard	749,024	Jan. 5	940	199	108	218
Campbell, John S., London, England. Lock	757,265	Apr. 12	2083	455	109	1803
Campbell, John W., assignor of one-fourth to R. B. Collier, Colorado Springs, Colo. Molding apparatus	761,201	May 31	5230	1110 1111	110	1232
Campbell, Joseph, Essex, Mass. Child's crib	750,805	Feb. 2	39	8	108	1065
Campbell, Joseph H., New York, N. Y. Milk product resembling butter and making same	755,843	Mar. 29	5144	1137	109	1192
Campbell, Leon J., Chicago, Ill. Seal for cars, &c	765,766	July 26	3741	799	111	855
Campbell, Loudoun, Washington, D. C. Fire-alarm apparatus	763,042	June 21	2827	613 614	110	2092
Campbell, Neil H., Binghamton, N. Y. Sash-hanger	765,271	June 19	2739	871 886	111	630
Campbell, Nelson, Decatur, Ala. Coaster	774,348	Nov. 8	1573	337	113	371
Campbell, Pearl T. (See Campbell, Charles H. and P. T.)						
Campbell Printing Press & Manufacturing Company. (See Huson, Winfield S., assignor.)						
Campbell Printing Press & Manufacturing Company. (See Johnston, Robert T., assignor.)						
Campbell Printing Press & Manufacturing Company. (See Wood, Henry A. W., assignor.)						
Campbell, Remembrance H., assignor of one-half to Harron, Rickard & McCone, San Francisco, Cal. Hydraulic lift	763,730	June 28	4165	907	110	2404
Campbell, Robert B., et al. (See Olden, William Q., assignor.)						
Campbell, Robert B., Joliet, assignor of one-half to A. F. Banks, Chicago, Ill. Railway-tie	777,882	Dec. 20	2816	618 619	113	2071
Campbell, Robert G., Greensboro, N. C., assignor to American Moistening Company, Boston, Mass. Humidifier	766,989	Aug. 9	1770	371	111	1454
Campbell, Solon O., East Peru, Iowa, assignor of one-half to E. C. Tilley, Kansas City, Mo. Fence-post	750,256	Jan. 26	3407	737	108	807
Campbell, Thomas B., Jr. (See Bee and Campbell.)						
Campbell, Thomas J., Economy, Pa. Paddle-wheel	753,358	Mar. 1	253	57, 58	109	57
Campbell, W. A. (See Boyd, Stephen L., assignor.)						
Campbell, Wallace M., assignor of one-half to W. H. Bacheller, Boston, Mass. Attachment for cigar-branding machines or the like	766,492	Aug. 2	716	150	111	1196
Campbell, Wesley S., Garrett, Ind., and L. Holabird, Chicago, Ill. Match-making machine	759,861	May 17	2582	539	110	614
Campbell, Wilber A. K., Chicago, Ill. Dilator	765,879	July 26	3969	846	111	903
Campbell, William E., Detroit, Mich. Egg-turner for incubators	771,043	Sept. 27	3657	771	112	873
Campbell, William H., Everett, Mass. Clamp for holding glass shelves	750,595	Jan. 26	4056	877	108	947
Campbell, William H., New York, N. Y. Railway-ticket	765,458	July 19	3132	657	111	712
Campbell, William R., Columbus, S. C. Faucet	766,324	Aug. 2	375	79	111	1123
Camper, Albert B., Roanoke, Va. Computing scale	762,136	June 7	998	207	110	1635
Campiche, Henri, Geneva, Switzerland. Electric clock	764,911	July 12	2069	432	111	474
Canada Cabinet Company. (See Boehler, Francois X., assignor.)						
Canberg, Andrew N., Nappanee, Ind. Dresser or chiffonnier	750,667	May 10	2199	452 453	110	514
Canchester, David J., Chicago, Ill. Vapor-burner	778,402	Dec. 27	3859	812	113	2308
Canciani, Charles, Stockton, Cal. Ore-car	757,860	Apr. 19	3295	714	109	2080
Canciani, Charles, Sonora, Cal. Culinary utensil	768,593	June 28	3909	850	110	2349
Canciani, Charles, Sonora, Cal. Potato-slicer	767,386	Aug. 16	2534	532	111	1636
Canda Brothers. (See Smyser, Louis B., assignor.)						
Canda, Ferdinand E., New York, N. Y., assignor to Chrome Steel Works, Woodbridge township, N. J. Making metal wheels	751,420	Feb. 2	1198	273	108	1312
Canda, Ferdinand E., New York, N. Y., assignor to Chrome Steel Works, Woodbridge township, N. J. Forging press and die	751,420	Feb. 2	1200	273	108	1312
Canda, Ferdinand E., New York, N. Y., assignor to Chrome Steel Works, Chrome, N. J. Producing composite metal plates	768,264	Aug. 23	4353	915	111	2060
Candee Brothers. (See Smyser, Louis B., assignor.)						
Canelopoulos, Jean, Paris, France. Self-igniting incandescent gas-burner	755,448	Mar. 22	4361	966	109	999
Canepa, Nicholas F., St. Louis, Mo. Inflating-pump for pneumatic tires	761,446	May 31	5715	1217	110	1840
Canfield, Charles S. (See Smith, Cyrus E., assignor.)						
Canfield, Charles S., assignor to E. C. Butler, Minneapolis, Minn. Fire-escape	773,000	Oct. 25	3588	777	112	1791
Canfield, Frank, assignor to G. E. Dodge, Denver, Colo. Locking device for the closures or stoppers of jars, bottles, or similar receptacles	769,816	Sept. 13	1300	276	112	313
Canfield, Horace G., Akron, Ohio. Station-indicator	773,922	Nov. 1	786	164	113	181
Canfield, Lewis T., New York, N. Y. Cup-washer for use in the construction of cars	750,806	Feb. 2	40	8	108	1066
Canfield, Milton C., Cleveland, Ohio. Automatic synchronizing apparatus	768,584	Aug. 30	5032	1055 1056	111	2231

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Canfield, Milton C., Cleveland, Ohio, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Surface-cleaning device for third rails of electric railways.....	751,456	Feb. 9	1245	284	108	1340
Canfield, Roswell C., Colfax, Wash. Excavating-machine.....	774,908	Nov. 15	2694	577 578	113	636
Canister Manufacturing Company. (See Woods, Charles C., assignor.)						
Canners Machine Co. (See Farmer, Albert J., assignor.)						
Cannom, Charles, London, Canada. Steam-cooker.....	750,596	Jan. 26	4057	878	108	947
Cannon, Edward A., Casco, Wis. Game apparatus.....	764,179	July 5	535	105	111	118
Cannon, Edward A., Minneapolis, Minn. Puzzle.....	769,532	Sept. 6	775	167	112	176
Cannon, George C., New York, N. Y. Automobile driving-gear.....	775,233	Nov. 15	3408	718 719	113	809
Cannon, George C., New York, N. Y. Engine.....	778,632	Dec. 27	4309	941 942	113	2405
Cannon, Horace, London, England. Means for facilitating the study of languages.....	778,110	Dec. 20	3269	717	113	2162
Canova, Vincent. (See Hartley and Canova.)	751,376	Feb. 2	1114	252	108	1295
Canton Foundry and Machine Company. (See Slentz, Albertus O., assignor.)						
Canton Hard Rubber Company. (See Kepingler, Claude J., assignor.)						
Cantonio, Eugenio, Rome, Italy. Trolley for overhead-electrical-conductor systems.....	749,916	Jan. 19	2777	593	108	656
Cantrell, Milton C., Marshall, Ark. Adjustable lace, ribbon, braid, or cord holder.....	760,419	May 24	3637	769	110	868
Cantrell, William C. (See Luttrell and Cantrell.)						
Cantwell, John B., Watertown, N. Y. Dredge.....	776,217	Nov. 29	5415	1148	113	1289
Cantwell, John B., River Rouge, Mich. Excavating-cutter.....	777,180	Dec. 13	1414	313	113	1756
Capehart, Baldy A., Washington, D. C. Fly paper or trap.....	761,202	May 31	5233	1111	110	1233
Capehart, Baldy A., Washington, D. C. Brush.....	775,596	Nov. 22	4199	884	113	1004
Capell, Carl F., Los Angeles, Cal. Hydrocarbon-burner.....	778,443	Dec. 27	3942	857	113	2325
Capewell, George J., Hartford, Conn. Bench-shears.....	749,257	Jan. 12	1441	308	108	349
Capewell, George J., Hartford, Conn. Metallic button.....	754,125	Mar. 8	1801	401	109	414
Capiton, George A. (See Gugenheim, Capiton, Herrick, and Jacobs.)						
Cappelen, F. W., et al. (See Gerdes, Henry A., assignor.)						
Cappell, John T., Vincennes, Ind. Cooling motors.....	773,245	Oct. 25	4253	899 900	112	1945
Cappon, Thomas W., Ossining, N. Y. Cementing material and making same.....	757,883	Apr. 19	3838		109	2090
Capra, Alessandro, Philadelphia, Pa. Tremolo-action for mechanical pianos.....	750,946	Feb. 2	314	74	108	1127
Caproni, Grant A., Elgin, Ill. Camp-bed.....	766,064	Aug. 2	1077	224	111	1280
Capshaw, Joseph B., Swartz, La. Log-wagon bunk-block.....	768,559	Aug. 23	4958	1037 1038	111	2197
Capwell, Vernon L., Dorranceton, Pa. Fountain-pen.....	770,451	Sept. 20	2494	530	112	597
Caraway, James M., Longmont, Colo. Beet-topper.....	764,423	July 5	1051	214	111	233
Carbaugh, Conrad A., Plumrun, Pa. Rail chair and joint.....	755,449	Mar. 22	4362	966	109	1000
Carberry, James F., Worcester, Mass. Loom-temple.....	763,462	June 28	3681	793	110	2302
Carbonari, Raffaele, San Francisco, Cal. Accordion.....	760,730	May 24	4283	910	110	1010
Carbone, Tito L., Berlin, Germany. Electric arc lamp.....	775,442	Nov. 22	3853	814 815	113	927
Carbannelle, Henri, Uccle, near Brussels, Belgium. Electric or telephonic transmission.....	772,213	Oct. 11	2016	444	112	1407
Card, Charles, Sackett, Pa. Tube-support for oil-wells.....	760,682	May 24	4181	888	110	988
Card, Charles S., Denver, Colo. Portable pipe cutting and threading machine.....	774,934	Nov. 15	2746	589	113	649
Card, Frank S. (See Card, William L. and F. S.)						
Card, Joseph, Lynn, Mass. Turf-trimmer.....	771,530	Oct. 4	623	139	112	1092
Card, William L., Denver, and F. S. Card, Canon City, Colo. Ore-concentrator.....	758,412	Apr. 26	4394	945 946	109	2340
Card, William L. and F. S., Denver, Colo. Concentrator.....	758,413	Apr. 26	4406	946 947	109	2343
Card, William L. and F. S., Denver, Colo. Concentrator.....	777,898	Dec. 20	2717	598 599	113	2052
Carden, Luther W., assignor of one-fourth to J. M. and E. L. Forsythe, Iron City, Tenn. Cattle-guard.....	771,708	Oct. 4	967	214	112	1164
Carder, Robert E., assignor to Greenwood Process Machine Co., Greenwood, Ind. Valve for processing apparatus.....	777,776	Dec. 20	2566	568	113	2021
Cardwell, George A., assignor to F. J. Swift, trustee, New York, N. Y. Printing-telegraph receiver.....	760,611	May 24	4020	854 855 856	110	955
Cardwell, James R., Chicago, Ill. Making brake-shoes.....	753,040	Feb. 23	4332	963 964	108	2057
Cardwell, James R., Chicago, Ill. Brake-shoe.....	762,513	June 14	1764	377	110	1841
Carence, Thomas, Kansas City, Mo. Nasal shield.....	758,030	Apr. 19	3829	785	109	2154
Carey, Augustus C., Boston, Mass. Safety gas-burner.....	776,046	Nov. 29	5093	1075	113	1217
Carey, Charles P., Wollaston, Mass. Carpet-beating machine.....	754,540	Mar. 15	2672	580	109	620
Carey, Daniel J., assignor of three-fifths to N. Foerster, New York, N. Y. Shuttle.....	748,926	Jan. 5	715	155	108	131
Carey, Dennis E., South Lawrence, Mass. Doffer for spinning and twisting frames.....	755,450	Mar. 22	4363	967 968	109	1000
Carey, James D., Cleveland, Ohio. Construction of joists, girders, or the like.....	756,471	Apr. 5	565	117	109	1492
Carhart, Herbert A., assignor to A. T. Brown, Syracuse, N. Y. Type-writing machine.....	776,495	Dec. 6	30	9	113	1430
Caribbean Manufacturing Company. (See Gesner, William H., assignor.)						
Carichoff, Eugene R., East Orange, N. J., assignor to Sprague Electric Company. Control of dynamo-electric machinery.....	763,658	June 28	4033	880	110	2375
Carichoff, Eugene R., assignor to Otis Elevator Company, East Orange, N. J. Electric-elevator apparatus.....	772,086	Oct. 11	1759	392	112	1352
Carichoff, Eugene R., East Orange, N. J., assignor to General Electric Company. Motor-starter.....	777,839	Dec. 20	2721	599	113	2053
Carichoff, Eugene R., East Orange, N. J., assignor to General Electric Company. Control system.....	777,883	Dec. 20	2817	619	113	2072
Carkeek, William, Butte, Mont. Apparatus for distributing ore-pulp to concentrating-tables.....	756,327	Apr. 5	264	55	109	1400
Carl, Charles P., and C. J. Hanfbauer, Cleveland, Ohio, assignors to Morgans and Wilcox Manufacturing Company, Middletown, N. Y. Printer's plate-hook.....	773,923	Nov. 1	789	164	113	132
Carl, Franz J. and H. G., Chicago, Ill. Window.....	778,565	Dec. 27	4172	901	111	2374
Carl, Hermann G. (See Carl, Franz J. and H. G.)						
Carl, Irving, Los Angeles, Cal. Hydrocarbon-burner for boilers or other purposes.....	764,708	July 12	1676	343	111	384
Carlberg, Walfred F., Sisseton, S. D. Single-delivery match-safe.....	749,472	Jan. 12	1915	307	108	450
Carlborg, Walfred F., Sisseton, S. D. Wrench.....	772,751	Oct. 18	3166	689	112	1679
Carleton, John W., and G. E. Trask, assignors to Union Manufacturing Company, New Britain, Conn. Plane-iron-adjusting device.....	763,721	June 28	4167	908	110	2405
Carley, Allen J., assignor of one-half to G. Leone, Zwolle, La. Vehicle-wheel.....	767,542	Aug. 16	2867	598	111	1713

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Carlisle, Ivan, Denver, Colo. Compressor.....	766,017	July 26	4243	906	111	963
Carlisle, George H., Lewistown, Ill. Driving-reins.....	737,598	Apr. 19	2785	609	109	1969
Carlisle, William L., Findlay, Ohio. Sucker-rod cleaner.....	762,985	June 21	2714	589	110	2067
Carlisle, Bryant B., and J. R. Elder, assignors of one-third to L. D. Hagerty, Columbus, Ohio. Emergency car-coupling.....	748,927	Jan. 5	715	156	108	162
Carlisle, Walter H., et al. (See Wing, Perry M., assignor.)	752,613	Feb. 16	3467	774	108	1847
Carliss, Albert, assignor to American Electric Telephone Company, Chicago, Ill. Relay.....	756,777	Apr. 5	1117	246	109	1582
Carliss, Albert, assignor to American Electric Telephone Company, Chicago, Ill. Electrical annunciator.....	748,581	Jan. 5	46	13	108	13
Carlson, Charles J., assignor to Western Electric Company, Chicago, Ill. Pliers.....	759,668	May 10	2201	453	110	514
Carlson, Gustav, Port Richmond, N. Y. Hammer or sledge.....	753,355	Mar. 22	4190	926	109	964
Carlson, Alfred, Chicago, Ill., assignor to Chas. Mulvey Mfg. Co. Self-releasing joist shoe and anchor.....	762,383	July 12	1483	323	110	1780
Carlson, Axel W., Ely, Minn. Violin-bow.....	764,558	July 12	1358	276	111	314
Carlson, Carl F., Chicago, Ill. Hat-clasp.....	777,777	Dec. 20	2567	568	113	2021
Carlson, Carl J. (See Flanders and Carlson.)	749,928	Jan. 5	716	156	108	162
Carlson, Charles A., Chicago, Ill. Valve for fluid-pressure motors.....	753,600	Mar. 22	4623	1026	109	1058
Carlson, Charles A., Chicago, Ill. Filling device for bottles.....	748,928	Jan. 5	716	156	108	162
Carlson, Charles G., and W. A. Mayr, assignors to Chicago Curtain Stretcher Co., Chicago, Ill. Curtain-stretcher.....	778,303	Dec. 27	3656	798	113	2264
Carlson, Charles J., Oxford, Minn. Snap-hook.....	765,812	July 26	3653	821	111	578
Carlson, Edward. (See Ferris, Carlson, and Ferris.)	769,853	June 28	4421	962	110	2458
Carlson, Frank O., Valley City, N. D. Window-protector.....	764,347	July 5	884	181	111	193
Carlson, Frank W., Chicago, Ill. Pipe coupling or connection.....	766,754	Aug. 2	1255	267	111	1320
Carlson, Frank W., Chicago, Ill. Pipe coupling or connection.....	766,754	Aug. 2	1255	267	111	1320
Carlson, Gabriel, Springfield, Mass. Delivery-apron for confectionery-coating machines.....	755,451	Mar. 22	4368	967	109	1001
Carlson, Gabriel, Springfield, Mass. Conveyor.....	774,560	Nov. 8	1964	427	113	454
Carlson, John. (See Manula and Carlson.)	769,468	Sept. 6	652	139 140 141 142	112	149
Carlson, John A., Hallock, Minn. Harvesting-machine.....	778,007	Dec. 20	3072	675	113	2121
Carlson, John A., New York, N. Y. Garment-hanger.....	768,205	Aug. 23	4354	992 983	111	2060
Carlsson, Hugo, assignor of one-half to J. H. Le Fevre, Sydney, Canada. Producing open-hearth steel.....	768,421	Aug. 23	4688	1016 1019	111	2140
Carlstedt, Ragnar, Rällsås, and B. Gustafson, Stockholm, Sweden. Electric striking-clock.....	768,511	Aug. 23	4858	1016 1019	111	2176
Carlstedt, Ragnar, Rällsås, and B. Gustafson, Stockholm, Sweden. Contact device for electric clocks.....	769,687	Sept. 13	1050	226	112	257
Carnier, James R., Washington, D. C. Opening and closing mechanism for car-doors.....	752,584	Feb. 23	3990	894	108	1979
Carmichael, Frederic R. (See Carmichael, Robert S., J., and F. R.)	761,203	May 31	5235	923	110	1233
Carmichael, Henry, Malden, Mass., assignor to Static Carbonating Company, New York, N. Y. Apparatus for capping bottles.....	749,025	Jan. 5	942	199	108	219
Carmichael, James. (See Carmichael, Robert S., J., and F. R.)	762,187	June 7	1001	207	110	1655
Carmichael, Robert S., J., and F. R., Paris, France. Oiling and finishing textile materials.....	762,138	June 7	1002	208	110	1656
Carmody, John T., Jr., Lincoln, Ill. Switch-operating device.....	750,049	Jan. 19	3027	648 649	108	707
Carmont, Hazelwood, Kingston-on-Thames, assignor to W. E. Carmont, Helmsdale, and T. R. Haslam, London, England. Steam-boiler.....	752,954	Feb. 23	4166	923	108	2019
Carmont, William E., et al. (See Carmont, Hazelwood, assignor.)	749,917	Jan. 19	2779	594	108	656
Carmont, William E., Kingston-on-Thames, England. Road motor-vehicle.....	750,597	Jan. 26	4058	878	108	947
Carnahan, Cyrus M., Allegheny, assignor to National Rolled Steel Car Company, Pittsburgh, Pa. Metallic-car construction.....	756,579	Apr. 5	747	163	109	1501
Carnahan, William M., et al. (See Steeb, John L., assignor.)	757,861	Apr. 19	3298	714	109	2081
Carnahan, William R. (See Bush, Charles, assignor.)	752,954	Feb. 23	4166	923	108	2019
Carnecross, Jacob M., Jackson, Mich. Machine for manufacturing paper boxes.....	760,102	May 17	3048	637 638	110	721
Carnes, George E., St. Louis, Mo. Elevator-brake.....	776,110	Nov. 29	5210	1100	113	1242
Carnes, George E., St. Louis, Mo. Elevator-brake.....	771,709	Oct. 4	958	214 215	112	1164
Carnes, George E., St. Louis, Mo. Combined pipe and nut wrench.....	752,516	Feb. 16	3263	727	108	1801
Carnes, Ira P., assignor to Lima Locomotive and Machine Company, Lima, Ohio. Pneumatic sander.....	772,214	Oct. 11	2018	444	112	1408
Carnes, William T., Harmonsburg, assignor of one-fourth to A. H. Pettit, Conneautville, Pa. Artificial limb.....	758,233	Mar. 1	33	8	109	9
Carnes, Charles J., Dunkirk, and J. C. Gorton, Schenectady, N. Y. Riveting mechanism.....	750,807	Feb. 2	41	9	108	1066
Carney, Francis J., New York, N. Y. Coupling.....	764,559	July 12	1359	276 277 278 279	111	314
Carney, Jefferson D., Clinton, Mo. Foot-warmer.....	773,051	Oct. 25	3708	798	112	1817
Carney, John, Waltham, Mass. Engine and gear casing.....	760,848	May 24	4522	964	110	1061
Carney, John, Salem, W. Va., assignor of one-half to M. McDermott, Martins Ferry, Ohio. Rope-grab.....	751,257	Feb. 2	910	207	108	1250
Carney, John E., Montgomery, Ala. Telegraph apparatus.....	773,246	Oct. 25	4254	900	112	1945
Carney, Sydney H., et al. (See Curtis, Edward K., assignor.)	759,344	May 10	1565	316	110	375
Carney, Sydney H., et al. (See Spiegel, William G., assignor.)	749,918	Jan. 19	2782	594	108	657
Carney, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	770,160	Sept. 13	1921	410	112	449
Carney, Thomas, Dayton, Ohio, assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register.....	761,204	May 31	5236	1111	110	1233
Carney, Thomas, and F. L. Hewitt, Dayton, Ohio. Filing-drawer.....	761,205	May 31	5240	1112	110	1234
Carnochan, John W., assignor to Huntley Manufacturing Company, Silvercreek, N. Y. Can-filling machine.....	768,214	Aug. 23	4257	895	111	2039
Carnochan, John W., assignor of one-half to A. B. Chapman, Silvercreek, N. Y. Magnetic separator.....	749,918	Jan. 19	2782	594	108	657
Carolan, Michael T., assignor of one-half to B. Bertrand, Cass City, Mich. Fence-post.....	770,160	Sept. 13	1921	410	112	449
Carolin, James B., Newark, N. J., assignor to A. H. Cohn, New York, N. Y. Hose-supporter.....	749,918	Jan. 19	2782	594	108	657
Caron, Fred M., assignor to M. P. Whittall and C. H. Flint, Worcester, Mass. Automatic air-brake coupling.....	770,160	Sept. 13	1921	410	112	449
Carpenter, Charles E., New York, N. Y., assignor to Cutler Hammer Manufacturing Company. Making electrical heating apparatus.....	761,204	May 31	5236	1111	110	1233
Carpenter, Charles E., New York, N. Y., assignor to Cutler Hammer Manufacturing Company. Electrical heating apparatus.....	761,205	May 31	5240	1112	110	1234
Carpenter, Charles E., New York, N. Y., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch and circuit-breaker.....	768,214	Aug. 23	4257	895	111	2039

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Carpenter, Charles H., Decatur, assignor to Globe Coal Mfg. Co., South Bend, Ind. Composition fuel.	756,936	Apr. 12	1437	-----	109	1665
Carpenter, Charles W., <i>et al.</i> (See Balze, Frederick, assignor.)						
Carpenter, Charles W., <i>et al.</i> (See Read, George F., assignor.)						
Carpenter, Charles W., <i>et al.</i> (See Read, George F., assignor.) (Reissue.)						
Carpenter, Daniel A., New York, N. Y. Mechanical movement	767,327	Aug. 9	2416	506 507	111	1593
Carpenter, Daniel A., assignor to J. W. Cushman, New York, N. Y. Device for tying packages	767,204	Aug. 9	2208	460	111	1548
Carpenter, George A., Fort Morgan, Colo. Device for putting medicine into eyes	772,028	Oct. 11	1639	367	112	1324
Carpenter, Henry A., Sewickley, Pa., assignor to Ritter-Conley Manufacturing Company, Jersey City, N. J. Stiffening-leg for gas-holders	766,755	Aug. 2	1257	268	111	1320
Carpenter, James, Brooklyn, N. Y. Wheel	756,472	Apr. 5	566	117	109	1462
Carpenter, James B., Plantsville, Ohio. Pruning implement	774,039	Nov. 1	1004	211	113	228
Carpenter, John W., Bridgewater, Va. Water purifier and elevator	715,443	Nov. 22	3854	815	113	928
Carpenter, Martin B. (See Jones, Newton C., assignor.)						
Carpenter, Mason F., assignor of one-half to W. L. Reed, Mexico, Mo. Adjustable automatic brake	764,038	July 5	246	45	111	57
Carpenter Steel Company. (See Sargent, George W., assignor.)						
Carpenter, Theophilus L., Hustonville, Ky. Feed-trough	749,717	Jan. 19	2385	504	108	569
Carpenter, Walter W., Brooklyn, N. Y. Apparatus for making hair-brushes	753,234	Mar. 1	34	8	102	10
Carpenter, William H. (See Smith, Carpenter, and Weidknecht.)						
Carpenter, William J., Spokane, Wash. Envelop or mailing device	761,357	May 31	5559	1184	110	1305
Carpenter, William M. (See Ellis, William F., assignor.)						
Carpet Yarn Printing Company. (See Forlander, Alfred, assignor.)						
Carr Brothers. (See Carr, James, assignor.)						
Carr, Charles, Boston, Mass. Nut-shelling machine	751,377	Feb. 2	1115	253	108	1295
Carr, Charles, assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Apparatus for sealing weights	777,597	Dec. 13	2241	492	113	1936
Carr & Company, M. W. (See Farrell, George, assignor.)						
Carr, David M., Rochester, N. Y. Lacing-hook	773,373	Oct. 25	4510	954	112	2000
Carr, Henry H., <i>et al.</i> (See Butcher, James M., assignor.)						
Carr, James, assignor to Carr Brothers, Syracuse, N. Y. Lathe tool-holder	751,054	Feb. 2	498	116	108	1168
Carr, John J., New York, assignor of one-half to C. Evers, D. J. Lynch, and D. McRae, Brooklyn, N. Y. Elevator	775,234	Nov. 13	3410	719	113	810
Carr, John J., New York, assignor of one-half to C. Evers, D. J. Lynch, and D. McRae, Brooklyn, N. Y. Passenger-drop	775,235	Nov. 15	3412	719	113	810
Carr, Joseph F., Coughatta, La. Fan-actuating mechanism	750,165	Jan. 19	3244	699	108	753
Carr, Lowrey Glass Company. (See Garwood, Charles B., assignor.)						
Carr, May E. (See Lanphear, Lewis C., assignor.)						
Carr, Oma, Buenavista, Va. Manufacturing paper-pulp	762,139	June 7	1003	-----	110	1656
Carr, Oma, Buenavista, Va. Tube-fastening	772,641	Oct. 18	2875	633	112	1617
Carr, Oma, Buenavista, Va. Face-plate for grinding-mills	772,642	Oct. 18	2876	633	112	1618
Carr, Ora C., Lansing, Mich. Graduate	765,611	July 19	3410	719	111	773
Carr, Robert F., Avondale, La. System for collecting railway fares by ticket	777,662	Dec. 20	2365	530	113	1977
Carr, Walter C. (See Webber, William O., assignor.)						
Carr, William H., Rochelle, Ga. Hame	750,598	Jan. 26	4060	879	108	948
Carr, William P. (See Schneckner, Albert, assignor.)						
Carrier, Arthur M., Fruitvale, Cal. Lock and latch	759,591	May 10	2046	418	110	481
Carrier, Charles W., Desplaines, Ill. Water-cooler for internal-combustion engines	757,022	Apr. 12	1621	352 353	109	1703
Carrier, James W., Peoria, assignor to F. C. Hitchcock, Princeville, Ill. Ice-cream freezer	755,216	Mar. 22	3926	869	109	908
Carrigan, Michael J., Glenss Ferry, Idaho. Damper	777,330	Dec. 13	1697	375	113	1819
Carrigan, Michael J., Glenss Ferry, Idaho. Steam-boiler furnace	777,331	Dec. 13	1699	376	113	1819
Carrier, Samuel M., assignor of one-half to L. M. Miller, Cooper, Tex. Non-refillable bottle	761,060	May 31	4974	1054	110	1177
Carris, Edward C., Washington, assignor of one-half to S. D. Carris, Dublin, Iowa. Match-box	761,625	May 31	6030	1294	110	1410
Carris, Seth D. (See Carris, Edward C., assignor.)						
Carrol, Frank C. (See Fleming, Thomas, assignor.)						
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Valve	762,683	June 14	2114	469	110	1917
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Machine for drawing wire	770,044	Sept. 13	1720	363 364	112	406
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Charger for gas-producers	774,561	Nov. 8	1966	427	113	454
Carroll, Elery, Morrow, Ohio. Shock-loader	752,140	Feb. 16	2546	567	108	1642
Carroll, Elery, Morrow, Ohio. Shock-loader	769,302	Sept. 6	339	77	112	73
Carroll, Frank C., Willoughby, and T. Fleming, Cleveland, Ohio. Railway-switch	778,008	Dec. 20	3073	676	113	2121
Carroll, Houston M., San Antonio, Tex. Dental clamp	766,018	July 26	4245	906	111	963
Carroll, James M. (See Ware, Richard M., assignor.)						
Carroll, John, Oswego, N. Y. End plate for springs	775,554	Nov. 22	4111	865	113	984
Carroll, John G. (See Andersen and Wells, assignors.)						
Carroll, Patrick, Newark, Ohio. Antislipping attachment for shoe-heels	769,787	Sept. 13	1232	265	112	296
Carroll, Phillip F., <i>et al.</i> (See Dietz, Christian F., assignor.)						
Carroll, Sidney C., administrator. (See Morton, Wilson.)						
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	750,086	Jan. 19	3100	666 667	108	721
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	751,611	Feb. 9	1526	347 348	108	1402
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	754,049	Mar. 8	1653	368 369	109	380
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	765,767	July 26	3744	799 800	111	855
Carroll, Thomas, Dayton, Ohio, assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register	773,032	Oct. 25	3712	799	112	1816
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,053	Oct. 25	3717	801	112	1819
Carroll, Thomas, Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,054	Oct. 25	3726	801	112	1821
Carroll, Thomas, assignor to National Cash Register Company, Dayton, Ohio. Cash-register	755,356	Mar. 22	4191	926	109	965
Carroll, Timothy. (See Foote, Charles G., assignor.)						
Carroll, Walter N., <i>et al.</i> (See Whitteley, Elisha J., assignor.)						
Carroll, Wilson J., Denver, assignor of one-half to N. A. Altman, Cripple Creek, Colo. Lock	766,665	Aug. 2	1078	224	111	1280

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Carse, Sanford R., <i>et al.</i> (See Hill, Joseph D., assignor.)						
Carson, Alexander A., Braintree, assignor to Dececo Company, Boston, Mass. Sanitary appliance.	764,912	July 12	2091	433	111	474
Carson, Edward, <i>et al.</i> (See Henderson, Ewen C., assignor.)						
Carson, George S., Iowa City, Iowa. Electrical choke-coil.	769,057	Aug. 30	5997	1256	111	2447
Carson, Horace F. (See Sommer, Jacob, assignor.)						
Carson, James M., Manchester, England. Cash registering and checking apparatus	753,235	Mar. 1	35	8 9 10	109	10
Carson, James W., Richburg, N. D. Hinge-mortising machine	770,261	Sept. 20	2123	447	112	511
Carson, Nils J. (See Dickson and Carson.)						
Carson, William D., Centralia, Ill. Mechanism for exhibiting animals.	748,700	Jan. 5	285	65	108	63
Carson, William D., Centralia, Ill. Stack-covering	748,701	Jan. 5	286	65	108	63
Carson, William L., Winfield, Kans., assignor of one-third to T. E. Fulton, Kildare, Okla. Ter. Grain-car door	766,100	July 26	4408	942	111	997
Carstarphen, William P., Jr., Denver, Colo. Electric cigar-lighter	758,414	Apr. 26	4414	948	109	2345
Carstens, Henry, Chicago, Ill. Vaginal syringe	778,444	Dec. 27	3944	857	113	2326
Carstens, Henry E., Davenport, Iowa. Washing-machine.	757,452	Dec. 20	2486	580	112	597
Carstens, Magnus, Davenport, Iowa. Washing-machine.	755,792	Mar. 29	4929	1067	109	1141
Carter, Alexander, Moncton, Canada. Machine for burnishing reflectors	765,999	July 26	3602	766	111	829
Carter, Alfred G. (See Carter, John and A. G.)						
Carter, Alvin K., Syracuse, N. Y. Machine for decapping, filling, and recapping capsules	774,378	Nov. 8	1618	1347 1348	113	381
Carter, Byron J., Jackson, Mich. Transmission-gearing	761,146	May 31	5134	1060 1061	110	1211
Carter, Charles M., Sultan, Wash. Concentrating sluice-box	757,176	Apr. 12	1931	422	109	1772
Carter, Charles W., St. Johns, Mich. Culvert	777,714	Dec. 20	2454	539	113	1907
Carter, Dan E., <i>et al.</i> (See Smith, Andrew, assignor.)						
Carter, Edward C., Evanston, Ill. Signaling apparatus for railways	768,585	Aug. 30	5036	1056	111	2232
Carter, Edward D., Brenham, Tex. Cotton-condenser	765,916	July 26	4035	862	111	919
Carter, Franklin M., Haskins, Ohio. Threshing-machine	772,402	Oct. 18	2413	529	112	1518
Carter, H. P. (See Thomas, Martin E., assignor.)						
Carter, Harry N., <i>et al.</i> (See Mackey, Charles F., assignor.)						
Carter, Jesse B., assignor of one-half to W. McCaleb, Bluffs, Ill. Check-row corn-planter	777,938	Dec. 20	2946	647	113	2097
Carter, John, Highlandtown, assignor of one-half to T. J. Connolly, Baltimore, Md. Slide-plate for railway-switches	752,517	Feb. 16	3265	727	108	1801
Carter, John and A. G., Malden, Mass. Muffle	752,438	Feb. 16	3127	695	108	1770
Carter, John R., Augusta, Ky., assignor to E. H. Huenefeld, Cincinnati, Ohio. Washing-machine	760,612	May 24	4026	856	110	956
Carter, John R., Augusta, Ky., assignor to E. H. Huenefeld, Cincinnati, Ohio. Mechanical movement.	766,809	Aug. 9	1415	295	111	1375
Carter, Joseph, and J. W. Eaton, Jackson, Mich. Boiler-cleansing apparatus	761,654	June 7	45	7	110	1445
Carter, Joseph A., McMechen, W. Va. Mowing-machine	755,944	Mar. 29	5147	1137 1138	109	1193
Carter, Joseph A., Chicago, Ill. Road-map	770,350	Sept. 20	2323	412	112	560
Carter, Matthew O., Batson, S. C. Cotton chopper and cultivator	770,351	Sept. 20	2324	490	112	560
Carter, Rice & Company. (See Crowell, Charles H., assignor.)						
Carter, Rice & Company. (See Crowell and Taylor, assignors.)						
Carter, Rice & Company. (See Healey, Harry F., assignor.)						
Carter, Thomas J. (See Hines, John T., assignor.)						
Carter, Thomas W. (See Anderson, Alfred, assignor.)						
Carter, William, Poster, Ind. Ter. Releasing trace-hook	752,029	Feb. 16	2345	524	108	1587
Carter, William, Louisville, Ky. Fishing-reel	764,348	July 5	885	181	111	194
Carter, William, Louisville, Ky. Fishing-reel	765,554	July 19	3316	605	111	752
Carter, William D. (See Dellenbarger and Carter.)						
Carter, William E., Baker City, Oreg. Wrench	749,167	Jan. 12	1253	269	108	308
Carter, William W., Ballard, Wash. Saw for sawing-machines	773,118	Oct. 25	3970	842	112	1881
Carter's Ink Company. (See Spohn, Hermann H., assignor.)						
Cartilage Company. (See Minges, Kilion L., assignor.)						
Cartledge, Charles H. (See Delano and Cartledge.)						
Carton, James D., <i>et al.</i> (See Lane, George M., assignor.)						
Cartwright, David J., Hull, assignor of one-half to W. S. Wait, Newton, Mass. Percussion-fuse	767,543	Aug. 16	2867	599	111	1713
Cartwright, William J., assignor of one-half to F. L. Wing, New York, N. Y. Elastic-fluid turbine	770,736	Sept. 20	3040	647	112	736
Carver, Pleasant P., Estill Springs, Tenn. Foundation-anchor for bridges	770,674	Sept. 20	2931	622	112	695
Carville, Arthur, Paterson, N. J. Rotary engine	760,467	Apr. 2	353	117	111	1161
Carville, Arthur, Paterson, N. J. Rotary engine	774,979	Nov. 15	2845	607	113	673
Cary, Francis B., Baltimore, Md. Bottle-closing device	754,126	Mar. 8	1802	401	109	414
Cary, Frank. (See Hawkins and Cary.)						
Cary, Frank M., Lafayette, Ind., and G. K. Rix, Chicago, Ill. Letter tray or basket or drawer	761,655	June 7	48	8	110	1446
Cary, Henry B., Los Angeles, Cal. Combined calipers, T-square, and scale	752,887	Feb. 23	3676	899	108	1954
Cary, Henry B., assignor to F. W. Braun, Los Angeles, Cal. Hydrocarbon-vapor burner	769,981	Sept. 13	1806	343	112	378
Cary, James H., Providence, R. I., assignor to Consolidated Engine Stop Company. Engine-stop	775,329	Nov. 22	3604	763 764	113	871
Cary, Sheldon, Brooklyn, N. Y. Knife-rack	768,266	Aug. 23	4355	916	111	2060
Casaday, William L., South Bend, Ind. Seeder and planter	755,613	Mar. 29	4659	1036 1036	109	1079
Casaday, William L., South Bend, Ind. Gang-plow	755,614	Mar. 29	4662	1037 1038	109	1080
Casaday, William L., South Bend, Ind. Flask	763,959	July 5	19	4	111	7
Casaday, William L., South Bend, Ind. Riding corn or cotton planter	766,168	Aug. 2	23	4	111	1047
Casanova, Henry J., and H. C. Caldwell, Chicago, Ill. Nut-lock	751,457	Feb. 9	1246	285	108	1340
Cascaden, Thomas, Jr. (See Raab, William, assignor.)						
Case, Adelbert B., Springfield, Mass. Pawl-and-ratchet device	769,982	Sept. 13	1608	343	112	379
Case, Albert W., Highland Park, Conn. Paper-finishing machine	776,387	Dec. 6	360	184	113	1516
Case, Alfred W., Highland Park, Conn. Pressure-blower	757,267	Apr. 12	2980	455	109	1804
Case, Alfred W., Highland Park, Conn. Treating manufactured leather	776,453	Nov. 29	5570		113	1394
Case, Alfred W. and L. W., Highland Park, Conn. Paper-machine	758,127	Apr. 26	3830	831 832	109	2216
Case, Amos, Perry, Iowa. Implement for use in replacing car-axle brasses	757,267	Apr. 12	2087	455	109	1804

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Case, Charles V. (See Horcheler and Case.)						
Case, Frank B., assignor to Seneca Camera Company, Rochester, N. Y. Lock for rotating shafts.	770,219	Sept. 13	2037	429	112	474
Case, Frank B., assignor to Seneca Camera Company, Rochester, N. Y. Lens-carriage clamp for photographic cameras.	770,220	Sept. 13	2039	429	112	475
Case, Frank E., Canton, Ohio. Dental chair.	766,591	Aug. 2	916	193 194	111	1243
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Electric controller.	750,947	Feb. 2	317	75	108	1127
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Removable contact-finger tip.	755,743	Mar. 29	4931	1098	109	1142
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Controller.	755,744	Mar. 29	4932	1098	109	1142
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Connector.	762,694	June 14	2118	461	110	1918
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Regulating electric motors.	766,325	Aug. 2	377	80	111	1123
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Connection-box.	769,646	Sept. 6	993	209	112	220
Case, Henry J., Owasco, N. Y., assignor to International Harvester Company. Bundle-carrier for corn-harvesters.	760,420	May 24	3638	769 770	110	868
Case, Henry J., Owasco, N. Y., assignor to International Harvester Company, Chicago, Ill. Grain-drill.	778,009	Dec. 20	3074	676 676	113	2121
Case, Henry J., Owasco, assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Pea-harvester.	769,937	Sept. 13	1529	326 327	112	362
Case, Henry J., Owasco, assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Harrow.	771,531	Oct. 4	625	139	112	1092
Case, Henry J., Owasco, assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Knotter mechanism for grain-binders.	771,532	Oct. 4	626	139 140	112	1092
Case, Lawrence W. (See Case, Alfred W. and L. W.)						
Case Manufacturing Company. (See Horcheler and Case, assignors.)						
Case Manufacturing Company. (See Rydquist, Adolph, assignor.)						
Case Manufacturing Company. (See Wharton, Elmer B., assignor.)						
Case, Raymond S., et al. (See Hoyle, George E., assignor.)						
Case, Raymond S., Unionville, Conn. Package and closure therefor.	753,543	Mar. 1	628	142	109	138
Case, Raymond S., Unionville, Conn. Paper-machine.	759,862	May 17	2583	539 540	110	615
Case, Raymond S., Unionville, Conn. Making paper.	768,422	Aug. 23	4691	983	111	2141
Case, Warren H., Mount Vernon, Ohio. Railway-joint fastening.	754,379	Mar. 8	2086	463 468	109	473
Case, William H., Springfield, Mass. Sprinkler.	751,612	Feb. 9	1534	348 349	108	1403
Casain Company of America. (See Brooks, Ezekiah K., assignor.)						
Casain Company of America. (See Church, Herbert H., assignor.)						
Casain Company of America. (See Dunham, Andrew A., assignor.)						
Casain Company of America. (See Dunham, Henry V., assignor.)						
Casain Company of America. (See Hall, William A., assignor.)						
Casay & Hedges Manufacturing Company. (See Casay, James F., assignor.)						
Casay, Hubert T., Bristol, Vt. Insect-trap.	776,643	Dec. 6	349	75	113	1505
Casay, James F., assignor to Casay & Hedges Manufacturing Company, Chattanooga, Tenn. Steam-boiler.	766,873	Aug. 9	1540	322 323	111	1401
Casay, John. (See Robinson and Casay.)						
Casay, John, Casay, Minn. Antickler for cows.	753,359	Mar. 1	254	50	109	58
Casay, Thomas A., Jersey City, N. J., assignor to Manhattan Electrical Supply Company. Relay.	773,195	Oct. 25	4150	876	112	1923
Casgrain, Louis A., Winchester, Mass. Vehicle-jack.	777,398	Dec. 13	1832	405	113	1848
Casgrain, Louis A., Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Company. Controlling device.	762,802	June 14	2354	513	110	1967
Casgrain, Louis A., Winchester, Mass., assignor to United Shoe Machinery Company. Paterson, N. J., and Boston, Mass. Reel for holding wire in machines for inserting fastenings.	765,650	July 19	3494	737	111	791
Casgrain, Louis A., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Nurling-machine.	768,560	Aug. 23	4959	1038	111	2197
Cash, Arthur W., Newark, N. J. Freight-handler's truck.	771,044	Sept. 27	3659	771	112	872
Cash, Arthur W., Newark, N. J. Cement-testing machine.	771,125	Sept. 27	3823	806	112	910
Cash, Arthur W., Newark, N. J. Power-hacksaw.	773,924	Nov. 1	791	165	113	182
Cashin, Martin, East Pepperell, Mass. Machine for coating paper.	758,169	Apr. 26	8902	847 848	109	2234
Caskey, William J. (See Faltmeyer, Harry, assignor.)						
Caskey, William J. (See Lewis and Caskey.)						
Casler, Herman, Canastota, assignor to American Mutoscope & Biograph Company, New York, N. Y. Strip or band feeding device.	776,723	Dec. 6	509	112	113	1539
Casler, Herman, and J. A. Pross, Canastota, assignors to Simplex Manufacturing Company, New York, N. Y. Coin-controlled device for embossing strips of metal, &c.	750,432	Jan. 26	3730	810 811	108	881
Casler, Philo W., Littlefalls, N. Y. Coin for stationary washbas.	761,147	May 31	5136	1091	110	1212
Casler, Philo W., Littlefalls, N. Y. Sectional bookcase.	764,839	July 12	1937	397	111	440
Caspar, Charles H., Newark, N. J. Ventilating system.	776,888	Dec. 6	862	184	113	1616
Caspar, Charles H., Newark, N. J., assignor of one-half to J. P. Fitzgerald, Scranton, Pa. Mashing and converting process.	776,999	Dec. 6	1076	234	113	1666
Caspar, Fritz, Berlin, Germany. Wire mattress.	751,147	Feb. 2	668	153	108	1202
Casper, Louis, Chicago, Ill. Station-indicator and advertising device.	751,458	Feb. 9	1247	285 286	108	1341
Casper, Louis, Chicago, Ill. Comb-cleaner.	765,700	July 26	3606	766	111	829
Cass, Bruce H., Los Angeles, Cal. Furnace.	773,542	Nov. 1	15	4	113	6
Cassal, Hans J. S., assignor to Liquid (Electric) Register Syndicate, Limited, London, England. Electrical apparatus for registering the discharge of liquids by pumps.	752,652	Feb. 23	3554	791	108	1882
Cassal, Hans J. S., assignor to Liquid (Electric) Register Syndicate, Limited, London, England. Apparatus for delivering measured quantities of liquid.	752,653	Feb. 23	3556	792	108	1882
Cassel, Anna H. (See McLaughlin, Mary, assignor.)						
Cassel, Henry R., London, England. Burglar-alarm for safes.	749,842	Jan. 19	2633	563	108	623
Cassel, Henry R., London, England.	775,597	Nov. 22	4200	884	113	1004
Cassel, Henry R., New York, N. Y. Extracting precious metals by electrolysis.	749,843	Jan. 19	2634	564	108	623
Cassel, Henry R., New York, N. Y. Apparatus for extracting precious metals by electrolysis.	749,844	Jan. 19	2636	564	108	623
Cassel, Henry R., New York, N. Y. Extracting precious metals from ores or slimes.	768,038	Sept. 13	1532	112	112	363
Cassel, Henry R., New York, N. Y. Filtering slimes.	774,349	Nov. 8	1574	837	113	371
Cassel, Henry R., Colorado Springs, Colo. Filtering apparatus.	773,473	Oct. 25	4721	996	112	2043
Cassella Color Company. (See Hoffmann, Meinhard, assignor.)						
Cassels, Theodore A., Islandgrove, Fla. Combined fish and game trap.	768,267	Aug. 23	4356	916	111	2061

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Cassery, Patrick J., Elyria, Ohio. Sliding-door fastener.....	777,332	Dec. 13	1702	376	113	1820
Cassidy, Charles P., Washington, D. C. Stem for pipes or cigar or cigarette holders.....	761,447	May 31	5716	1217	110	1340
Cassidy, Linnie I., assignor to W. E. Cassidy, Lexington, Ky. Corset-stay.....	757,268	Apr. 12	2090	456	109	1804
Cassidy, Patrick F., and N. F. Doherty, assignors to Boston Bottle Wiring and Labeling Company, Boston, Mass. Label-affixing machine.....	756,580	Apr. 5	749	163	109	1501
Cassidy, William A., Fort Worth, Tex. Window-screen.....	753,544	Mar. 1	630	143	109	138
Cassidy, William E. (See Cassidy, Linnie I., assignor.)						
Cassopolis Manufacturing Company. (See Lake and Haefner, assignors.)						
Casteel, Frederick O. (See Burns and Casteel.)						
Caster, George W., Texarkana, Tex. Variable-speed governor.....	757,269	Apr. 12	2091	456	109	1805
Casteln, André, Paris, assignor to Société Anonyme d'Etudes et d'Exploitation des Brevets A. Casteln pour Machines Agricoles Automobiles, Puteaux, Department of Seine, France. Land-anchor.....	763,258	June 21	3250	701 702	110	2186
Casteln, André, assignor to Société Anonyme d'Etudes et d'Exploitation des Brevets A. Casteln pour Machines Agricoles Automobiles, Paris, France. Grain-elevating device for harvesting-machines.....	763,854	June 28	4422	962	110	2458
Casteln, André, assignor to Société Anonyme d'Etudes et d'Exploitation des Brevets A. Casteln pour Machines Agricoles Automobiles, Paris, France. Harvesting-machine.....	767,795	Aug. 16	3319	701 702	111	1814
Castens, Henry W. C. von, New York, N. Y. Rotary fan attachment for sewing-machines.....	757,723	Apr. 19	3034	660	109	2023
Castens, Henry W. C. von, New York, N. Y. Hat-fastener.....	773,474	Dec. 27	4010	873	113	2340
Casterline, Edwin D., assignor to Single-Sheet Paper Company, Los Angeles, and Interlock Paper Company, San Francisco, Cal. Paper-folding machine. (Reissue).....	12,204	Mar. 15	3480	761	109	796
Casterline, Edwin D., assignor to Casterline-Tally Company, Los Angeles, Cal. Record medium.....	766,666	Aug. 2	1081	225	111	1281
Casterline-Tally Company. (See Casterline, Edwin D., assignor.)						
Castillo, Enrique L. del, Havana, Cuba. Automatically-regulated feeder for steam-boilers.....	764,988	July 12	3236	460	111	503
Castillo, Ricardo G., Mexico, Mexico. Coupling for electric wires.....	760,805	May 17	3430	723	110	805
Castle, Arthur, assignor to Wilmot Castle Company, Rochester, N. Y. Sterilizer.....	749,128	Jan. 5	1157	245	108	267
Castle, Arthur H. (See Simpson, Arthur P., assignor.)						
Castle, Lizzie P., Wichita, Kans. Fruit-colander.....	774,350	Nov. 8	1576	337	113	372
Castleberry, Thomas E., Modesto, Cal. Automatic trap.....	773,712	Nov. 1	347	77	113	82
Castleberry, Harrison D. (See Parker and Castleberry.)						
Castner Electrolytic Alkali Company. (See Mauran, Max, assignor.)						
Castotype Machine Company. (See Fowler, Joseph C., assignor.)						
Castotype Machine Company. (See Fowler, Joseph C. and Joseph C., Jr., assignors.)						
Caswell, George W., New Britain, Conn. Lock.....	754,280	Mar. 8	2087	463	109	474
Caswell, Harry, Chicago, Ill. Eyeglass-mounting.....	752,030	Feb. 16	2347	525	108	1598
Caswell, Thomas C., Potomac, Mont. Grading-machine.....	763,154	June 21	3052	657 658	110	2141
Cataldo, Gennaro L., Brooklyn, N. Y. Soap-saving device.....	763,463	June 28	3682	794	110	2302
Catch-on-Clasp Manufacturing Company. (See Blum, Isaac, assignor.)						
Cates, Owen G., Los Angeles, Cal. Shoe-holder.....	761,819	June 7	420	85	110	1533
Cates, William E. W., assignor to Vacuum Tin Syndicate, Limited, Bristol, England. Apparatus for exhausting the air from cans.....	762,140	June 7	1005	208 209	110	1656
Catherman, Clarence L. and J. H., Porter township, Cass county, Mich. Cement post.....	763,112	Aug. 23	4063	856	111	1997
Catherman, John H. (See Catherman, Clarence L. and J. H.)						
Caton, Fred E., assignor to Caton's Foundry and Machine Co., San Jose, Cal. Car-fender.....	765,813	July 26	3854	821	111	878
Caton's Foundry and Machine Co. (See Caton, Fred E., assignor.)						
Catterall, Edward H. (See Bawden and Catterall.)						
Cattermole, Arthur E., London, England. Classification of the metallic constituents of ores.....	763,250	June 21	3251	702	110	2186
Cattermole, Arthur E., Highgate, London, England. Separation of the metallic constituents of ores from gangue.....	763,260	June 21	3254	702	110	2187
Cattermole, Arthur E., London, England. Separation of the metallic constituents of ores from gangue.....	777,273	Dec. 13	1581	353	113	1793
Cattermole, Arthur E., H. L. Sulman, and H. F. Kirkpatrick-Picard, London, England. Concentration of minerals from ores.....	777,274	Dec. 13	1584		113	1793
Caufman, Samuel H., and J. Baldt, Chester, Pa. Metallic railway-tie.....	759,669	May 10	2201	453	110	514
Caughey, Albert E., Omaha, Neb. Street-railway switch.....	763,043	June 21	2820	614	110	2092
Caughey, Edward G., Butler, Pa. Punching and riveting machine.....	767,205	Aug. 9	2209	460	111	1548
Caughey, Edward G., Belleme, assignor to Standard Steel Car Company, Pittsburg, Pa. Carline.....	752,282	Feb. 16	2823	636	108	1706
Cavanaugh, Andrew F., Milwaukee, Wis. Compound duplex pumping-engine.....	777,495	Dec. 13	2016	445	113	1888
Cavanaugh, John A. (See Grant, Robert E., assignor.)						
Cavanaugh, Terrence P., Philadelphia, Pa. Clothes-drier.....	774,379	Nov. 8	1632	348	113	382
Cave & Sons, John. (See Denne, Mark T., assignor.)						
Caven, W. A., et al. (See Bentel, Lewis O., assignor.)						
Cavender, Walter S., Wilard, Ill. Spark and cinder arrester.....	757,270	Apr. 12	2093	456	109	1805
Caverno, Xenophon, assignor to Kewanee Pneumatic Water Supply Company, Kewanee, Ill. Liquid-supply system.....	776,724	Dec. 6	513	112	113	1540
Cavett, Samuel S. (See Cavett, William A. and S. S.)						
Cavett, William A. and S. S., Kirksville, Mo. Horse hay-rake.....	753,852	Mar. 8	1279	287	109	296
Cavett, William A. and S. S., Kirksville, Mo. Hay-stacker.....	759,345	May 10	1566	316	110	876
Caviness, George K., and C. J. Yarrington, Princeton, Mo. Heating apparatus for incubators.....	778,304	Dec. 27	3657	798	113	2264
Cawker, Samuel M. (See Allen and Cawker.)						
Cawley, Francis H., Vancouver, Canada. Calipers or dividers.....	760,956	May 24	4733	1008	110	1106
Cawley, Patrick J., Syracuse, N. Y. Bottle-filling machine.....	753,236	Mar. 1	38	10, 11	109	10
Cayouette, Nil, Amqui, Canada. Hay-press.....	767,040	Aug. 9	1860	890	111	1475
Caywood, Albert D., Chicago, Ill. Door-controlling device.....	776,294	Nov. 29	5557	1177 1178	113	1322
Caywood, Emma, Peoria, Ill. Saw-set.....	763,155	June 21	3057	658	110	2142
Cazier, Perry H., assignor to G. H. Young and J. A. Scarvell, Nashville, Mich. Twine-holder.....	749,772	Jan. 19	2504	533	108	595
Cazin, Francis M. F., Hoboken, N. J. Electric incandescing lamp.....	760,843	May 24	4325	984	110	1062
Cazin, Francis M. F., Hoboken, N. J. Steam-turbine.....	762,263	June 7	1232	266	110	1707
Cazin, Francis M. F., Hoboken, N. J. Apparatus for use in uniting vitreous articles.....	770,221	Sept. 13	2040	490	112	475
Cazin, Francis M. F., Hoboken, N. J. Manufacture of electric incandescent lamps.....	770,222	Sept. 13	2043	490	112	475
Cazin, Francis M. F., Hoboken, N. J. Incandescent lamp bulb.....	770,223	Sept. 13	2046	491	112	476
Cazin, Francis M. F., Hoboken, N. J. Manufacturing glowers, luminants, and filaments for electric incandescent lamps.....	772,215	Oct. 11	2019	445	112	1408
Cedergren, Henrik T., Stockholm, Sweden. Signaling device for telephone systems.....	772,782	Oct. 18	3167	689	112	1879

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Cederstrom, Emil, assignor of three-fourths to D. O. Paige and T. S. Christie, trustee, Detroit, Mich. Tire-setter	772,408	Oct. 18	2415	539	112	1519
Cederstrom, John, Chicago, Ill., assignor to John Matthews. Valve connection for soda-water apparatus or the like	769,688	Sept. 13	1054	226	112	258
Celuloid Company. (See Sillocks, Warren S., assignor.)	768,512	Aug. 23	4860		111	2176
Cement Tile Works. (See Larimer, Charles S., assignor.)						
Center Drive Automobile Company. (See Hicks, Bohn C., assignor.)						
Central Drill Co. (See Darling, Abram F., assignor.)						
Central Gas Appliance Company. (See Lewis, Marvin W., assignor.)						
Central Machine Works Company. (See Soule, James B., assignor.)						
Central Ohio Buggy Co. (See Crise, Lewis, assignor.)						
Central Stamping Company. (See Lunan, Thomas M., assignor.)						
Century Camera Company. (See Locke, Harvey W., assignor.)						
Century Light Company of America. (See Bucknam, Robert M., assignor.)						
Cerebrotaph, Luigi, Munich, assignor of one-half to A. Silbermann, Berlin, Germany. Telegraph-receiver	758,302	Apr. 26	3970	861	109	2248
Cerf, Lester, New York, N. Y. Adding-machine	749,473	Jan. 12	1916	397	108	450
Chaboche, Marie E. P., Paris, France. Steam-generator	764,424	July 5	1053	214	111	234
Chace, Albert F., assignor to himself, F. H. and F. H. Appleton, Jr., Boston, Mass. Oil-burner	773,543	Nov. 1	17	4	113	6
Chace, George L. (See Barber and Chace.)						
Chaddock, George A., Liverpool, England. Door, window, or like aperture-closing device	767,796	Aug. 16	3323	703	111	1915
Chadwick, Everett D., trustee. (See Derby, John H., assignor.)						
Chadwick, Lee S., Ridley Park, Pa. Folding step for vehicles	752,031	Feb. 16	2347	525	108	1598
Chadwick, Lee S., Ridley Park, Pa. Lever mechanism	773,474	Oct. 25	4723	997	112	2044
Chafee, Charles W., Marengo, Ill. Gage	764,794	July 12	1841	378	111	419
Chaffee, Frank W., Albany, N. Y. Axle-box for railway-cars	767,797	Aug. 16	3330	704	111	1816
Chaffee, Frank W., Albany, N. Y., assignor to G. H. Forsyth, Chicago, Ill. Fastener for deck or other sashes	771,908	Oct. 4	761	169	112	1121
Chaffey, Charlie E., Pittsburgh, Pa. Household appliance	751,239	Feb. 2	912	208	108	1251
Chaffin, Aaron J., Ripon, Wis. Refrigerator attachment	777,076	Dec. 13	1294	271	113	1717
Chaine, Joseph, Vierzon, France. Warp stop-motion for looms	768,651	Aug. 30	5175	1088	111	2383
Chainey, Emanuel, Florence, Wis. Mowing-machine	750,808	Feb. 2	42	9	108	1066
Chaize, Jacques. (See Chaize, Nicolas and J.)						
Chaize, Nicolas and J., St. Etienne, France. Shedding apparatus for looms	754,846	Mar. 15	3271	713	109	748
Challenge Machinery Co. (See Lee, James L., assignor.)						
Chamberlain, Arthur E. (See Epperson, Perrin, assignor.)						
Chamberlain, Charles S., Emeryville, Cal. Dish-washing machine	760,777	May 24	4383	932	110	1033
Chamberlain, Dorothy B., Fort D. A. Russell, Wyo. Seat-protector for children's drawers	765,555	July 19	3319	695	111	753
Chamberlain, George W., Atlanta, Ga. Hat-machine	772,869	Oct. 18	3320	725	112	1715
Chamberlain, Harold W., Brunswick, Me. Electromagnet	758,236	Apr. 26	4038	877	109	2261
Chamberlain, James H. D., Springfield, Mass., and D. E. Chism, Stafford Springs, Conn., assignors to Independent Store Service Company, Springfield, Mass. Cash-carrier apparatus	754,422	Mar. 15	2417	529	109	563
Chamberlain, Leonard T. (See Turner, Isaac, assignor.)						
Chamberlain, Rufus N., Depeu, assignor to Gould Storage Battery Company, New York, N. Y. System of electrical distribution	771,710	Oct. 4	950	215	112	1165
Chamberlain, William, Jennings, La. Oil-burner regulator	752,300	Feb. 16	2655	589	108	1668
Chamberlin Cartridge and Target Company. (See North, Paul, assignor.)						
Chamberlin, Charles E., assignor to Joseph N. Smith & Co., Detroit, Mich. Rein-holder	756,581	Apr. 5	753	164	109	1502
Chamberlin, Clinton A., Detroit, Mich. Fence-post	768,012	Aug. 16	3818	797	111	1920
Chamberlin, Eugene, Brooklyn, N. Y. Car-seat	753,545	Mar. 1	652	143	109	138
Chamberlin, Frank H., and R. H. Coleman, Cleveland, Ohio. Telephone attachment	766,929	Aug. 9	1665	349	111	1431
Chamberlin, Franklin L., Cleveland, Ohio. Explosive-engine	765,814	July 26	3856	832	111	878
Chamberlin, Franklin L., Cleveland, Ohio. Means for feeding the induction-ports or fuel-inlets of internal-combustion engines	765,880	July 26	3970	847	111	904
Chamberlin Metal Weather Strip Company. (See Kenny, Hugh E., assignor.)						
Chambers Brothers Company. (See King, Howard K., assignor.)						
Chambers Brothers Company. (See Salgue, John A., assignor.)						
Chambers, Clide C., Everson, Pa. Overhead trolley	764,039	July 5	248	46	111	58
Chambers, Cyrus, Jr. (See Sharpless, Lydia C., assignor.)						
Chambers, Edgar, Meriden, Conn. Tempering and coloring apparatus	755,998	Mar. 29	5438	1201	109	1256
Chambers, George W., Newark, Ohio. Car-chair	770,161	Sept. 13	1924	410	112	450
Chambers, James, and S. Cook, Bury, assignors to Mather and Platt, Limited, Manchester, England. Clip for stentering or like machines	751,899	Feb. 9	2078	470	108	1321
Chambers, James A., trustee. (See Lubbers, John H., assignor.)						
Chambers, James A., Allegheny, assignor to Window Glass Machine Company, Pittsburgh, Pa. Drawing glass	762,879	June 21	2529	548	110	2025
Chambers, James A., Allegheny, assignor to Window Glass Machine Company, Pittsburgh, Pa. Drawing glass articles	762,880	June 21	2530	548	110	2026
Chambers, John E., Chicago, Ill. Ophthalmometer	760,421	May 24	3640	770	110	868
Chambers, John E., Chicago, Ill. Stomatometer	760,422	May 24	3642	770	110	869
Chambers, Joseph, and C. L. Cole, said Cole assignor to G. J. Backus, Minneapolis, Minn. Electric hammer	766,810	Aug. 9	1416	295	111	1375
Chambers, Sidney C., et al. (See Smith, Henry, assignor.)						
Chambers, William, Chicago, Ill. Handle attachment	775,236	Nov. 15	3414	720	113	811
Chambon, Louis. (See Frydmane and Chambon.)						
Champion, Abraham L., Macon, Ga. Freight-car door	768,513	Aug. 23	4861	1019	111	2176
Champion, Charles S. (See Tabak and Champion.)						
Champion, Charles S., New York, assignor to Wyckoff, Seannans & Benedict, Ilion, N. Y. Type-writing machine	752,865	Feb. 23	3991	894	108	1980
Champion Chemical Company. (See Hiser, Sherman N., assignor.)						
Champion Shoe Machinery Company. (See Corcoran, George L., assignor.)						
Champion Shoe Machinery Company. (See Corcoran and Dobyne, assignors.)						
Champlin, G. A. (See Younger, Joshua M., assignor.)						
Champlin, William H., Springfield, Mass. Ticket or check delivering machine	770,558	Sept. 20	2710	573	112	645
Champney, Kensett, Senahu, Guatemala. Coffee-hulling machine	773,544	Nov. 1	19	4	113	6
Champowich, Idrick, New Britain, Conn. Composition of matter	770,675	Sept. 20	2932		112	696
Champowich, Ludwik, New Britain, Conn. Composition of matter	774,156	Nov. 8	1218		113	292

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Chance, Albert B., Centralia, Mo. Circuit-closing device.....	763,464	June 28	3683	794	110	2302
Chandler, Adoniram J., Altoona, Iowa. Fence-wire stretcher.....	750,750	Jan. 26	4369	944	108	1017
Chandler, Charles F., Orange, N. J. Engine.....	754,744	Mar. 15	3065	669	109	704
Chandler, Charles M., Bayonne, N. J. Clipping-machine.....	766,990	Aug. 0	1771	372	111	1454
Chandler, Chester G., Livingston, Mont. Blind attachment for type-writers.....	772,180	Oct. 11	1845	410	112	1370
Chandler, Clarence A., Worcester, Mass. Machine for grinding twist-drills.....	750,809	Feb. 2	45	9	108	1067
Chandler, Clarence A., Worcester, Mass. Machine for grinding twist-drills.....	768,032	Aug. 23	3850	806	111	1946
Chandler, Edwin M. S., Taunton, assignor to F. W. Whitcher, Boston, Mass. Lacing.....	772,338	Oct. 18	2276	499	112	1488
Chandler, Eugene C., Sycamore, assignor of one-half to W. E. Hecht, Chicago, Ill. Tapers-creaser.....	752,141	Feb. 16	2547	567	108	1642
Chandler, George H., assignor of one-third to M. La Monte, New York, N. Y. Non-refillable bottle.....	768,652	Aug. 30	5177	1088	111	2263
Chandler, Harry H., Waltham, Mass. Electric railway-switch.....	752,824	Feb. 23	3878	869	108	1954
Chandler, James. (See Halstead and Chandler.)						
Chandler, Theophilus P., Philadelphia, Pa. Electrical conductor for electric railways.....	772,456	Oct. 18	2322	553	112	1542
Chaney, John C., et al. (See Mankedick, Charles, assignor.)						
Channon, James. (See Russell, John J., assignor.)						
Channon, James H., Chicago, Ill. Fireproof drop-curtain.....	769,788	Sept. 13	1233	265	112	297
Chaplin, Charles E., and A. A. Sherman, Berkeley, Cal. Respiratory apparatus for firemen or others.....	764,709	July 12	1678	343	111	382
Chaplin, Murray H., Bridgeport, Conn., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Paper and making same for obtaining fast copies from writings of anilin inks.....	749,684	Jan. 12	2304		108	534
Chaplin-Fulton Manufacturing Company. (See Fulton, Louis B., assignor.)						
Chaplin, James P., New Martinsville, W. Va. Hoop.....	758,820	May 3	481	96	110	1117
Chaplin, James P., New Martinsville, W. Va. Hoop-end fastener.....	777,840	Dec. 20	2724	600	113	2052
Chaplin, Manley J., assignor to Automatic Valve Company, Seattle, Wash. Valve.....	756,582	Apr. 5	754	164	109	1503
Chaplin, Orril R., assignor of one-third to R. W. Howard, Boston, Mass. Lawn-mower.....	751,378	Feb. 2	1118	253	108	1295
Chaplin, Orril R., assignor of one-third to R. W. Howard, Boston, Mass. Lawn-mower.....	765,126	July 12	2475	517 518	111	554
Chapman, Albert B. (See Carnochan, John W., assignor.)						
Chapman, Albert B., Silvercreek, N. Y. Rotary engine.....	759,419	May 10	1723	349	110	410
Chapman, Albert C. L., assignor of one-half to A. S. Cooley, Easthampton, Mass. Pen-wiper.....	749,474	Jan. 12	1920	398	108	451
Chapman, Benjamin F., Wiaraton, Canada. Horse-collar.....	767,102	Aug. 9	1999	416	111	1505
Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Steam-boiler.....	753,041	Feb. 23	4334	964	108	2037
Chapman, Charles H., Kansas City, Mo. Vehicle-tongue support.....	761,206	May 31	5242	1112	110	1235
Chapman, Earle E., assignor to Standard Bottle Closure Company, Los Angeles, Cal. Closure.....	749,422	Jan. 12	1785	377	108	423
Chapman, Earle E., assignor to Standard Bottle Closure Company, Los Angeles, Cal. Closure.....	749,423	Jan. 12	1787	377	108	423
Chapman, Earle E., assignor to Standard Bottle Closure Company, Los Angeles, Cal. Closure.....	750,257	Jan. 26	3408	738	108	807
Chapman, Earle E., assignor to Standard Bottle Closure Company, Los Angeles, Cal. Closure.....	752,614	Feb. 16	3471	774	108	1847
Chapman, Edgar H., Port Chester, N. Y. Cash-register.....	764,425	July 5	1055	215	111	294
Chapman, Eugene F., Marceline, Mo. Voting-machine.....	777,077	Dec. 13	1235	271	113	1718
Chapman, Frank E., Chicago, Ill. Fluid-pressure fire-extinguishing system.....	767,137	Aug. 9	2070	430	111	1522
Chapman, Fred H., Croton, Mass. Power-regulating mechanism.....	771,610	Oct. 4	768	170	112	1232
Chapman, George F., Marlboro, assignor of one-half to L. Wallace, Ayer, Mass. Device for operating headlights.....	766,138	July 26	4476	959	111	1014
Chapman, Harry, Sheffield, England. Rotary engine.....	764,040	July 5	250	46, 47	111	58
Chapman, J. W., et al. (See Bates, Charles F., assignor.)						
Chapman, James W. (See Savage and Chapman.)						
Chapman, James W., and G. W. Koonman, assignors to Manning, Bowman & Company, Meriden, Conn. Coffee or tea pot.....	772,498	Oct. 18	2614	575	112	1560
Chapman, John H., Cedar Rapids, Iowa. Filler for cob pipes.....	748,582	Jan. 5	47		108	13
Chapman, Lee J., Columbus, Ohio. Electromassage device.....	764,349	July 5	889	181	111	195
Chapman, Leonard, assignor of one-half to W. H. Knowles, London, England. Lubricator.....	750,751	Jan. 26	4370	944 945	108	1017
Chapman, Leonard, assignor of one-half to W. H. Knowles, London, England. Lubricator.....	766,756	Aug. 2	1258	268 269	111	1330
Chapman, Matthew T., Aurora, Ill. Well-sinking apparatus.....	769,727	Sept. 13	1121	241	112	271
Chapman, Matthew T., Aurora, Ill. Well-sinking apparatus.....	769,728	Sept. 13	1125	242	112	272
Chapman, Matthew T., Aurora, Ill. Well-sinking apparatus.....	775,417	Nov. 22	3802	804	113	917
Chapman, Samuel E., and B. A. Osborn, Watonsville, Cal. Ventilating device.....	760,182	May 17	3212	674	110	757
Chapman, Sidney B., Abbeville, Ga. Solution for preserving lumber.....	764,913	July 12	2094		111	475
Chapman Valve Manufacturing Company. (See Howard, Ernest G., assignor.)						
Chapman, William. (See Parsons, Beifield, and Chapman.)						
Chapman, William B., et al. (See Filtzau, Victor, assignor.)						
Chapman, William H., assignor to Portland Company, Portland, Me. Removing static electricity from paper, yarn, &c.....	777,598	Dec. 13	2242	492	113	1396
Chapman, William H., assignor to Portland Company, Portland, Me. Apparatus for removing static electricity from paper, &c.....	777,599	Dec. 13	2244	493	113	1396
Chapman, William S., deceased; C. A. Hastings, Lewiston, administrator, assignor of one-half to E. Erickson and A. H. Peterson, Kippen, Idaho. Rotary engine.....	750,188	Jan. 19	3278	708	108	760
Chapman, Winthrop M., Newton, Mass., assignor to Electric-Railway Signal Company, Kittery, Me. Railway block-signal system.....	759,346	May 10	1569	317 318	110	376
Chappee, Birnie G., Detroit, Mich. Index.....	753,546	Mar. 1	634	143	109	139
Chappell, Jesse H., Wyaconda, Mo. Wheel-wrench.....	758,508	Apr. 26	459	957	109	2387
Chappuis, Julien, Bienn, Switzerland. Rail-support.....	754,197	Mar. 8	1924	423	109	441
Chaquette, Ephraïem, New Rochelle, N. Y. Smokeless boiler.....	753,360	Mar. 1	255	58	109	58
Chaquette, Ephraïem, New Rochelle, N. Y. Paddle-wheel.....	759,238	May 10	1359	271	110	330
Chard, Edward E. (See Fisher, Joseph J., assignor.)						
Chard, Nicholas D. (See Lodge and Chard.)						
Chard, Nicholas D., assignor to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Automatic stop for lathe-carriages.....	764,109	July 5	401	77	111	87
Chard, Nicholas D., assignor to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Wheel-rim-finishing machine.....	767,387	Aug. 16	2535	533	111	1637
Chard, Nicholas D., assignor to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Diameter-gage for lathes.....	773,196	Oct. 25	4151	876	112	1923
Charlebois, August A., Watertown, N. Y. Barrel-rack.....	763,855	June 28	4423	963	110	2459
Charlebois, Edwin G., Watertown, N. Y. Sheet-metal siding.....	754,541	Mar. 15	2673	580	109	620

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Charles, Albion P. (See Guy, Charles, assignor.)						
Charles Holmes Machine Company. (See Holmes, Merton A., assignor.)						
Charlesworth, George F., Newton, Iowa. Well-refrigerator	762,384	June 14	1484	323	110	1780
Charlette, Louis. (See Bergeron and Charlette.)						
Charlier, Henri J. J., Philadelphia, Pa. Melting-furnace	753,122	Feb. 23	4469	994	108	2086
Charlton, Richard B., Milwaukee, Wis., assignor to Continuous Rail Joint Co. of Amer-	766,157	July 26	4522	966	111	1023
Charlton, Thomas E., Cleveland, Ohio. Gas-burner	756,583	Apr. 5	754	164	109	1502
Charlton, Thomas E., Cleveland, Ohio. Gas-burner	761,820	June 7	421	85	110	1533
Charmetant, Claude. (See Barbier, Charmetant, and Grassy.)						
Charron, Ferdinand, and L. Girardot, Paris, France. Clasp	754,919	Mar. 15	3389	741	109	774
Charron, Ferdinand, and L. Girardot, Puteaux, France. Explosion-motor	761,656	June 7	50	8, 9	110	1446
Chart, Henry J., Richmond, England. Apparatus for advertising or the like	774,647	Nov. 8	2119	462	113	486
Chartener, Victor, Pittsburg, Pa., assignor to A. Garrison Foundry Company. Securing						
means for removable journal-boxes	750,810	Feb. 2	46	10	108	1067
Charter, James A., Chicago, Ill. Vehicle controlling mechanism	766,218	Aug. 2	139	25, 26	111	1070
Chas. Mulvey Mfg. Co. (See Carlson, Alfred, assignor.)						
Chase, Albert F., Haddonfield, N. J., assignor of one-half to S. W. Rusk, Philadelphia,						
Pa. Third rail for electric railways	770,737	Sept. 27	3043	648	112	736
Chase, Alonzo, Palmyra, N. Y. Attachment for plows	762,465	June 14	1665	360	110	1820
Chase, Arthur H. (See Wilson and Chase.)						
Chase, Asa U., Grand Rapids, assignor of one-half to L. N. Atwater, Whitecloud, Mich.						
Window-ventilator	775,798	Nov. 23	4687	972	113	1086
Chase, Charles D., San Francisco, Cal., and E. P. Dole, Honolulu, Hawaii. Non-refill-						
able bottle	756,584	Apr. 5	756	164	109	1503
Chase, Edwin A., Brownville, Me. Tent	760,306	May 17	3431	723	110	806
Chase, Ernest H. (See Davis, Alfred B., assignor.)						
Chase, Floyd T., Smithville, Tex. Steam-boiler	750,087	Jan. 19	3106	668	108	728
Chase, Frank. (See Miller, Andrew C., assignor.)						
Chase, Frank H., Chicago, Ill. Pencil-sharpener	761,944	June 7	655	132	110	1583
Chase, Frank H., Chicago, Ill. Pencil-sharpener	772,691	Oct. 18	2978	653	112	1639
Chase, Frank H., assignor of one-half to H. A. Dubia, Chicago, Ill. Pencil-sharpener	757,090	Apr. 12	1751	381	109	1731
Chase, Frank H., assignor of one-half to H. A. Dubia, Chicago, Ill. Pencil-sharpener	757,091	Apr. 12	1752	381	109	1731
Chase, Harry A., East Orange, N. J. Electric alarm-clock	751,781	Feb. 9	1845	420	108	1468
Chase, Henry M., Holyoke, Mass. Power-pump	753,361	Mar. 1	266	58	109	58
Chase, Herbert C. (See Amorn and Chase.)						
Chase, Joseph, Jr. (See Donovan and Chase.)						
Chase, Lawson, Philadelphia, Pa. Manufacturing artificial stone	760,183	May 17	3213	-----	110	757
Chase, Milton, Haverhill, Mass. Prospecting instrument	749,718	Jan. 19	2886	504	108	569
Chase, Rolla M., Bethel, Vt. Dental tool	770,162	Sept. 13	1926	505	112	450
Chas. Shawmut Co. (See Howe, Edward P., assignor.)						
Chase, William D., assignor to Poughkeepsie Art. Pulp Company, Poughkeepsie, N. Y.						
Traveling-case	758,170	Apr. 26	3904	848	109	2234
Chatillon, Ralph F., New York, N. Y. Spring-scale	776,725	Dec. 6	514	113	113	1540
Chattaway, John G. (See Moya, Hidalgo, assignor.)						
Chatterton, William E., Melrose, Mass. Combination-case	755,615	Mar. 29	4668	1088	109	1082
Chausse, Wilfrid, New York, N. Y. Means for cleaning the third rails of electrical rail-						
ways	757,650	Apr. 19	2900	631	109	1995
Chavannes, Ferdinand B. de, Marseilles, France. Railway signaling	753,853	Mar. 8	1281	288	109	296
Chavez, Juan B., Mexico, Mexico, assignor to J. R. Wahl, Nancy, France. Gymnastic						
apparatus	774,738	Nov. 15	2945	508	113	558
Chayer, Peter G., Waterville, Me. Shade-roller bracket	763,365	June 28	3483	762	110	2259
Cheape, John A., Charlottesville, Va. Calendar	749,528	Jan. 12	2021	419	108	473
Cheatham, Almo L., assignor of three-fourths to R. V. Cheatham, Louisville, Ky. Sig-						
nal apparatus for trolley-railways	756,156	Mar. 29	5720	1263	109	1317
Cheatham, James W., Wheatley, Tenn. Cotton-planter	764,110	July 5	402	77	111	88
Cheatham, Robert V. (See Cheatham, Almo L., assignor.)						
Cheek, William B., et al. (See Smiley, John B., assignor.)						
Cheesman Cotton Gin Company. (See Cheesman, James E., assignor.)						
Cheesman, Ephraim, Vineland, N. J. Window-glass-making machine	775,304	Nov. 15	3801	705	113	778
Cheesman, Frederic E., New York, N. Y. Air-chest exposing device for cameras	766,874	Aug. 9	1542	323	111	1402
Cheesman, James E., East Orange, N. J., assignor to Cheesman Cotton Gin Company,						
New York, N. Y. Cotton-gin	778,774	Dec. 27	4556	997	113	2460
Cheever, Edgar H., Oceanside, Cal. Adjustable A-harrow	756,195	Mar. 29	5781	1277	109	1328
Cheln, Julius, New York, N. Y. Toy	758,047	Apr. 28	3674	796	109	2184
Chelius, Friedrich W. G., Frankfurt-on-the-Main, Germany. Photographic mount and						
making same	778,740	Dec. 27	4486	982	113	2444
Chellis, William H., and F. W. McAnany, Racine, Wis. Exercising device	766,019	July 26	4246	907	111	963
Chelmicki, Wladislaw von, Zydowo, Germany. Device for unloading and distributing						
earth, manure, &c., from wagons	755,452	Mar. 22	4369	967	109	1002
Chemical Works formerly Sandoz. (See Böniger, Melchior, assignor.)						
Chemical Works of America. (See Rauschenberg, Sidney, assignor.)						
Chemisch-Technische Fabrik Dr. Alb. R. W. Brand u. Co., Gesellschaft mit Beschraen-						
kung Haftung. (See Klie, Ernst, assignor.)						
Chemische Fabrik auf Actien, (vorm. E. Schering.) (See Gunther, Fritz, assignor.)						
Chemische Fabrik auf Actien, (vorm. E. Schering.) (See Stephan and Hunsatz, as-						
signors.)						
Chemische Fabrik auf Actien, (vorm. E. Schering.) (See Stephan and Kaiser, assignors.)						
Chemische Fabrik auf Actien, (vorm. E. Schering.) (See Sternberg, Wilhelm, assignor.)						
Chemische Fabrik auf Actien, (vorm. E. Schering.) et al. (See Wichmann, Georg, as-						
signor.)						
Chemische Fabrik von Heyden, Aktien-Gesellschaft. (See Seifert, Bruno R., assignor.)						
Chenaux, Courtland F., et al. (See Hacker, Matt A., assignor.)						
Cheney, Birt, et al. (See Snedeker, Abraham L., assignor.)						
Cheney, Charles A., Madison, Wis. Closure for cans or like receptacles	766,592	Aug. 2	918	104	111	1243
Cheney, Charles W., Brookline, Mass. Machine for applying labels, wrappers, &c. (Re-						
issue)	12,197	Feb. 23	4653	1036	108	2128
Cheney, Daniel H. (See Rennie, David P., assignor.)						
Cheney, Eston S., Oakland, Cal. Photographic mount	774,414	Nov. 8	1684	361	113	395

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Cheney, George K., New York, N. Y. Apparatus for electroplating sound-records	758,352	Apr. 26	4288	921	109	2317
Cheney, George K., New York, N. Y., assignor to Universal Talking Machine Manufacturing Company. Sound-box for sound recording and reproducing machines	749,360	Jan. 12	1659	353	108	399
Cheney, Walter L., Meriden, Conn., assignor of one-half to B. H. Warren, Alberene, Va. Lathe	777,181	Dec. 13	1416	314	113	1756
Chennault, Steven A., et al. (See Lavender, Samuel C., assignor.)						
Chennault, Thomas H., et al. (See Lavender, Samuel C., assignor.)						
Chenot, John C., St. Louis, Mo. Christmas-tree holder	763,856	June 28	4425	963	110	2459
Chenu, Charles A., A., Etampes, France. Coupling device for rails, shafts, or the like	760,307	May 17	3432	724	110	806
Cherrill, Nelson K., Lausanne, Switzerland. Photographic-printing frame	761,945	June 7	656	133	110	1584
Cherry, Alexander L., McKeesport, Pa. Wrench attachment	776,111	Nov. 29	5212	1101	113	1243
Cherry, Frank W., and H. F. Radke, San Francisco, Cal. Electric time-switch	755,845	Mar. 29	5151	1138	109	1194
Cherry, John T., Plymouth, and E. H. Olive, Devonport, England. Electric-trolley head	755,999	Mar. 29	5440	1202	109	1256
Chesebrough, Robert A., New York, N. Y. Composition for laying dust	755,337	Mar. 22	4193		109	965
Cheshire, Edward, Milwaukee, Wis. Controlling-valve for air-brake systems	762,025	June 7	800	164	110	1612
Cheshire, Edward, Milwaukee, Wis. Turbine-blade	766,593	Aug. 2	919	194	111	1243
Cheshire, Edward, Milwaukee, Wis. Turbine	766,594	Aug. 2	921	194	111	1244
Cheshire, Edward, Milwaukee, Wis. Governing mechanism for turbines	766,667	Aug. 2	1084	225	111	1281
Chesney, Cummings C., Pittsfield, Mass. Line-insulator	751,459	Feb. 9	1250	286	108	1341
Chesney, Cummings C., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Lightning-arrester	751,460	Feb. 9	1251	286	108	1341
Chesney, Cummings C., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Insulator	761,760	June 7	276	55	110	1499
Chesney, Cummings C., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Insulator	771,297	Oct. 4	151	33	112	994
Chessman, Henry C., Richmond, Ind. Adjustable pot-hanger and plant-lifter	770,738	Sept. 27	3044	648	112	737
Chessman, Henry C., assignor of one-tenth to F. S. Anderson, Richmond, Ind. Adjustable plant support	754,542	Mar. 15	2674	581	109	620
Chessman, John A. (See Wheeler, George W., assignor.)						
Chester, Frank S., Hartford, Conn. Metal lath	764,969	July 12	2229	460	111	504
Cheyne, Frederick H., Indianapolis, Ind. Speed-differentiating device	755,616	Mar. 29	4671	1038	109	1082
Cheyne, Algernon R., Philadelphia, Pa. Retarding device for electric-circuit breakers	755,358	Mar. 22	4193	927	109	965
Chicago American Fuel Briquetting Company, et al. (See Meyer, Frederick, assignor.)						
Chicago Coke Oven Construction Company. (See Schroeter, Carl, assignor.)						
Chicago Curtain Stretcher Co. (See Carlson and Mayr, assignors.)						
Chicago Folding Box Company. (See Walker, William J., assignor.)						
Chicago Fuse Wire and Manufacturing Company. (See Glover, Benjamin H., assignor.)						
Chicago Hardware Foundry Company. (See Larsen, Ivert, assignor.)						
Chicago Lubricator Company. (See Edwards, Frank W., assignor.)						
Chicago Railway Equipment Company. (See Cornwall, Frederick R., assignor.)						
Chicago Railway Equipment Company. (See Frost, Harry W., assignor.) (Reissue.)						
Chicago Railway Equipment Company. (See Harrison and Huntoon, assignors.)						
Chicago Railway Equipment Company. (See Huntoon, Charles F., assignor.)						
Chicago Railway Equipment Company. (See Huntoon, Charles F., assignor.) (Reissue.)						
Chicago Railway Equipment Company. (See Lipschutz, Arthur, assignor.)						
Chicago Railway Equipment Company. (See Scott, William H., assignor.)						
Chicago-Rockford Hosiery Company. (See Harbaugh, George O. and H. E., assignors.)						
Chicago Spring Butt Company. (See Keene, William J., assignor.)						
Chicago Toy Novelty Company. (See Mason, John B., assignor.)						
Chicago Writing Machine Company. (See Seifried, Samuel J., assignor.)						
Chichester, Clyde T., Placerville, Cal. Pay-roll	778,633	Dec. 27	4311	942	113	2405
Chichester, Henry D., Washington, D. C. Fixing-box	774,308	Nov. 8	1491	321	113	353
Chick, Henry, et al. (See Fink and Andlauer, assignors.)						
Chickering, Kenton, Oil City, Pa. Pipe-wrench	755,846	Mar. 29	5152	1139	109	1194
Chickering & Sons. (See Bowen, Robert S., assignor.)						
Chickering & Sons. (See White and Rork, assignors.)						
Chidester, James H., Sibley, Iowa. Portable punch	771,126	Sept. 27	3827	808	112	911
Chidister, John H., Dobbs Ferry, N. Y. Ash-can	775,894	Nov. 22	4765	1009	113	1123
Child, Acme Cutter and Press Co. (See Hilsinger, Alburts C., assignor.)	753,042	Feb. 23	4336	964	108	2058
Child, Alfonso B. (See Tures, William, assignor.)						
Child, Dwight S., Holden, Mo. Spark-arrester	750,088	Jan. 19	3108	668	108	723
Child, James J., et al. (See Palmer, Stephen, assignor.)						
Child, James J., et al. (See Waterman, Marcus M., assignor.)						
Childress, Benjamin F., Lynchburg, Va. Adjustable window-shade	770,262	Sept. 20	2125	447	112	511
Childs, Frank H., Stafford, Okla. Ter. Bedstead brace-clamp	753,362	Mar. 1	253	59	109	58
Childs, James W., Cedarun, Pa. Fence-post	777,600	Dec. 13	2246	493	113	1986
Childs, Jesse, Hite, Pa. Non-explosive oil-can	750,089	Jan. 19	3109	668	108	723
Childs, William W., Washington, D. C. Machine for printing and totalizing lines of numerals	778,741	Dec. 27	4487	983	113	2445
Chilton, Dudley S., et al. (See George P., assignor.)						
Chilton, Franklin H., assignor to Chilton Special Machine Company, New York, N. Y. Machine for sewing on buttons	761,285	May 31	5402	1151	110	1269
Chilton Special Machine Company. (See Chilton, Franklin H., assignor.)						
Chinn, Christopher C., Ashland, Ky. Lubricated bearing	769,432	Sept. 6	576	126	112	131
Chinock, Charles E., Brooklyn, N. Y. Instrument for the teaching and practice of telegraphy	773,374	Oct. 25	4512	954	112	2000
Chipman, De Witt C., and F. M. Reed, Anderson; said Reed assignor of one-sixth to W. A. Danver, Kokomo, Ind. Railway-tie	770,224	Sept. 13	2049	431	112	477
Chipman, Katherine A. (See Leib, Alfa R., assignor.)						
Chipman, Paul. (See Alfred and Chipman.) (Reissue.)						
Chisholm, Boyd & White Company. (See Avery, Colby M., assignor.)						
Chisholm, James, Austin, Pa. Music-board	772,216	Oct. 11	2023	444	112	1409
Chisholm, James W. (See Fallier, Ernest A., assignor.)						
Chism, David E. (See Chamberlain and Chism.)						
Chism, David E., Stafford Springs, Conn., assignor to Independent Store Service Company, Springfield, Mass. Box for cash-carriers	754,423	Mar. 15	2424	530	109	565
Chism, David E., Stafford Springs, Conn., assignor to Independent Store Service Company, Springfield, Mass. Cash-carrier apparatus	754,424	Mar. 15	2428	530	109	566

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Chittenden, Harriet M., Brooklyn, N. Y. Woman's drawers.....	765,556	July 19	3321	695	111	753
Chivers, Algernon S., Beeville, Tex. Horse-detacher.....	771,045	Sept. 27	3660	771	112	873
Chivers, Cedric, Bath, England. Binding for books.....	760,308	May 17	3434	724	110	806
Chivers, Cedric, Bath, England. Binding for books.....	763,557	June 28	4426	963	110	2459
Chivers, Cedric, Bath, England. Bookbinding.....	767,262	Aug. 9	2304	482	111	1570
Choiniere, Arthur, Holyoke, Mass. Pump-valve.....	760,369	May 17	3436	724	110	807
Chorens, Hermann. (See Rod, Alfred J., assignor.).....						
Chreibitzerg, Hilliard F., Gastonia, N. C. Window-screen.....	763,261	June 21	3256	702	110	2187
Chrestensen, Andy, Cohoes, N. Y. Rail-joint.....	753,854	Mar. 8	1283	288	109	297
Christman, Joseph W. H., assignor of one-fourth to E. P. Pollard, Topeka, Kans. Anti-collision steel-bar hoof-pad.....	767,628	Aug. 16	3031	634	111	1749
Christ, Isaac, Tamaqua, Pa. Conveyor.....	768,976	Aug. 30	3836	1226	111	2412
Christen, Eugene, assignor of one-half to W. H. Niblick, Decatur, Ind. Screen for windows or doors.....	768,514	Aug. 23	4862	1019	111	2177
Christen, Franz, Berlin, Germany. Liquid delivering and measuring device.....	765,815	July 26	3859	822	111	879
Christensen, Anton, Chicago, Ill. Car-step or footboard.....	764,914	July 12	3094	433	111	475
Christensen, Anton, Chicago, Ill. Trolley-guard.....	764,915	July 12	3095	433	111	475
Christensen, Carl. (See Brink and Christensen.).....						
Christensen, Christ, assignor to Columbia Voting Machine Company, Indianapolis, Ind. Voting-machine interlock.....	761,358	May 31	5560	1184	110	1805
Christensen, Christ, assignor to Columbia Voting Machine Company, Indianapolis, Ind. Voting-machine.....	778,111	Dec. 20	3272	718	113	2163
Christensen, Christ N., Meriden, Conn. Umbrella.....	752,032	Feb. 16	2349	525	108	1598
Christensen, Christoffer A., Oreton, Oreg. Ore-concentrator.....	767,926	Aug. 10	3589	760	111	1878
Christensen, Emil. (See Pfuger and Christensen.).....						
Christensen, Fred D., Spencer, Iowa. Non-refillable bottle.....	759,347	May 10	1581	318	110	375
Christensen, Henry A., Chattanooga, Tenn. Bar-cutter.....	750,599	Jan. 26	4061	879	108	948
Christensen, Jacob, assignor to Garvy Company, Chicago, Ill. Sofa-bed.....	763,156	June 21	3058	659	110	2142
Christensen, Joseph C., Santa Rosa, Cal. Garment-fastener.....	749,026	Jan. 5	943	199	108	219
Christensen, Niels A., Milwaukee, Wis. Fluid-pressure jack.....	752,201	Feb. 16	2657	589	108	1668
Christensen, Niels A., Milwaukee, Wis. Electric machine.....	753,954	Mar. 8	1484	332	109	342
Christensen, Niels A., Milwaukee, Wis. Electric machine.....	762,141	June 7	3008	209	110	1657
Christensen, Niels A., Milwaukee, Wis. Triple valve.....	768,586	Aug. 30	5048	1057	111	2223
Christensen, Peter T., assignor of one-half to H. C. A. Rasmussen, Cleveland, Ohio. Safety-swingletree.....	771,810	Oct. 11	1169	261	112	1223
Christensen, William, Philadelphia, Pa. Rheostat.....	776,454	Nov. 29	5871	1240	113	1394
Christenson, Lars, New York, N. Y. Revolving metallic window.....	751,379	Feb. 2	1122	254	108	1296
Christen, Friedrich, Bad Soden in Taunus, Germany. Pocket-case.....	762,722	June 28	4169	855	108	2405
Christiansen, Carl, Crookston, Minn. Band-cutter and feeder for threshing-machines.....	751,260	Feb. 3	914	208	108	1351
Christiansen, Christopher, Chicago, Ill. Attachment for elevators.....	763,960	July 5	21	5	111	8
Christiansen, John, Cedarfalls, Iowa. Shovel and foot protector.....	754,543	Mar. 15	2676	581	109	620
Christiansen, Lars, assignor of one-half to C. Wilson, Chicago, Ill. Brush-holder.....	760,169	Aug. 2	26	5	111	1048
Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburg, Pa. Saddle for tank-cars.....	772,499	Oct. 18	2615	576	112	1561
Christianson, Carl S., Reynolds, N. D. Box-lid holder.....	759,076	May 3	974	197	110	321
Christie, Albert E. (See McLean, John, assignor.).....						
Christie, Athelstan H., Milwaukee, Wis. Hinge.....	751,461	Feb. 9	1252	286	108	1342
Christie, Athelstan H., Milwaukee, Wis. Suit-case.....	752,756	Feb. 23	3741	834	108	1924
Christie, Elza J., Marion, Iowa. Motion-transmitter.....	776,455	Nov. 29	5873	1240	113	1395
Christie, Elza J., Marion, Iowa. Motion-transmitter.....	777,663	Dec. 20	2368	520	113	1978
Christie Engineering Company. (See Gibbens and Christie, assignors.).....						
Christie, Evi W. (See Gibbens and Christie.).....						
Christie, Robert and T. B., Hamilton, Canada. Pneumatic straw-stacker for threshing-machines.....	776,456	Nov. 29	5874	1241	113	1395
Christie, Thomas B. (See Christie, Robert and T. B.).....						
Christie, Thomas S., trustee, et al. (See Cederstrom, Emil, assignor.).....						
Christie, Walter, New York, N. Y. Ring-turning lathe.....	759,592	May 10	2048	419	110	481
Christie, Walter, New York, N. Y. Motor-vehicle.....	761,657	June 7	51	9, 10	110	1447
Christin, John F., Chicago, Ill. Bottle-holding device.....	773,475	Oct. 25	4735	997	112	2044
Christman, Edward, Massillon, Ohio. Drilling-machine.....	765,381	July 26	3970	847	111	905
Christman, Frank J., Syracuse, N. Y. Hose-nozzle.....	771,350	Oct. 4	253	55	112	1015
Christman, John H., Carlisle, Pa. Tool for and process of repairing pipe.....	775,124	Nov. 15	3135	666	113	739
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Reciprocating electric motor.....	767,991	Apr. 19	3546	768	109	2136
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Circuit-breaker.....	773,119	Oct. 25	3971	842	112	1881
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Electric-motor system.....	773,120	Oct. 25	3973	842	112	1882
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Rotary mercury circuit-breaker.....	773,121	Oct. 25	3976	843	112	1882
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Electric hammer.....	773,122	Oct. 25	3978	843	112	1883
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Rotary mercury circuit-breaker.....	773,123	Oct. 25	3980	843	112	1884
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Electric hammer.....	773,124	Oct. 25	3982	844	112	1884
Christmas, Adolph F., Pittsburg, assignor of two-thirds to F. R. McFeatters, Wilkinsburg, Pa. Electric hammer.....	773,125	Oct. 25	3984	844	112	1885
Christoph, Emil A., Chicago, Ill. Combined letter-sheet and envelop.....	760,423	May 24	3645	771	110	899
Christoph, George M., Chicago, Ill. Assignor to Western X-Ray and Coil Company. Induction apparatus.....	777,496	Dec. 13	2018	445	113	1888
Christopher, Albert C., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone instrument.....	775,415	Apr. 26	4415	948	109	2345
Christopher, Isaac H. (See Sandifer, Robert G. J., assignor.).....						
Christopherson, Louis B., San Jose, Cal. Device for forming ornamental structures.....	760,595	Aug. 2	932	196	111	1348
Christrup, Herman E. (See Marple, George L., assignor.).....						
Christy, Charles F., Des Moines, Iowa. Car-coupling.....	775,598	Nov. 22	4202	855	113	1004
Christy, Samuel B., Berkeley, Cal. Recovery of gold and silver from cyanid solutions.....	756,328	Apr. 5	265	35, 56	109	1400
Christy, Isaiah D., Graves, Kans. Belt-guide.....	752,202	Feb. 16	2658	589	108	1668
Chrome Steel Works. (See Canda, Ferdinand E., assignor.).....						
Chubb, Annie L., Oakland, Cal. Hose-nozzle holder.....	769,394	June 28	3910	850	110	2349

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Chuchu, Athanase, Bahia, Brazil. Breech-loading firearm	766,596	Aug. 2	936	197	111	1249
Chuit, Naef & Co. (See Chuit and Bachofen, assignors.)						
Chuit, Philippe, Geneva, Switzerland, and F. Bachofen, New York, N. Y., assignors to Chuit, Naef & Co. Making cyclic ketones	765,459	July 19	3134		111	712
Church, Albert M., Chicago, and E. S. Church, Oakpark, Ill.; said E. S. Church assignor to said Albert M. Church. Watch-holder	753,363	Mar. 1	260	59	109	59
Church, Benjamin S., New York, N. Y., assignor to J. K. Lanning, trustee, Boston, Mass. Expandible fluid turbine	753,855	Mar. 8	1284	289 290	109	297
Church, Edwin S. (See Church, Albert M. and E. S.)						
Church, George L. (See Smith, Joseph M., assignor.)						
Church, Herbert H., Bellows Falls, Vt., assignor to Casein Company of America. Wax emulsion and producing same	778,445	Dec. 27	3947		113	2326
Church, Isaac, Toledo, Ohio. Expansion bolt	777,399	Dec. 13	1835	406	113	1849
Church, Josiah W., Wylie, Tex. Nut-lock	749,539	Jan. 12	2023	420	108	474
Church, Melvin B., Grand Rapids, Mich. Windmill	768,083	Aug. 23	3854	807	111	1947
Church, Nathan E., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device	756,937	Apr. 12	1438	319	109	1685
Church, Walter A., Binghamton, N. Y. Push-button switch	757,541	Apr. 19	2670	585	109	1043
Church, William, Chicago, Ill. Shoe-paste dauber	760,310	May 17	3437	725	110	807
Church, William L., Boston, Mass. Concrete dam	764,916	July 12	2065	433	111	475
Church, William L., Boston, Mass. Retaining-wall	770,844	Sept. 27	3277	690	112	788
Church, William L., and G. E. Hill, New York, N. Y. System of sewage disposal	762,466	June 14	1668	360 361	110	1820
Church, Zala A., Jefferson, and S. A. Smith, Rockwell City, Iowa. Can-opener	778,112	Dec. 20	3275	719	113	2164
Churcher, William B., assignor to K. Dunham, Cincinnati, Ohio. X-ray apparatus	762,881	June 21	2531	549	110	2026
Churcher, William B., assignor to K. Dunham, Cincinnati, Ohio. Electrical converter	767,103	Aug. 9	2000	416	111	1505
Churcher, William B., assignor of one-half to A. F. Maish, Cincinnati, Ohio. Means for supporting electrical lamps	769,303	Sept. 6	3411	77	112	74
Churcher, William B., assignor of one-half to A. F. Maish, Cincinnati, Ohio. Telephone	769,304	Sept. 6	3443	78	112	74
Churchill, Clyde E., Sodus township, Berrien county, assignor of one-half to E. Jewell, Eau Claire, and A. Weldon, Benton Harbor, Mich. Pipe-coupling	760,424	May 24	3647	771	110	870
Churchill-Otton, Sidney, East Melbourne, Victoria, Australia. Sanitary rotating diaphragm for telephones	776,112	Nov. 29	5213	1101	113	1243
Churchill, Robert W., West Peabody, Mass. Machine for applying coloring-matter to hides	774,935	Nov. 15	2750	500	113	650
Churchill, Thomas C., Poquoson, Va. Variable-speed transmission-gearing	753,856	Mar. 8	1288	290	109	298
Churchward, Alexander, New York, N. Y., assignor to General Electric Company. Propelling railway-cars by synchronous electric motors	766,991	Aug. 9	1772	372	111	1454
Churchward, Alexander, New York, N. Y., assignor to General Electric Company. Electric railway	771,533	Oct. 4	628	140	112	1093
Churchward, Alexander, New York, N. Y., assignor to General Electric Company. Automatic current-regulator for electric motors	778,222	Dec. 27	3475	765	113	2225
Churchward, Alexander J., Brooklyn, N. Y. Alternating-current motor	759,967	May 17	2775	582	110	659
Cihak, Albert B., assignor to G. B. Homer, St. Louis, Mo. Head-rest	764,710	July 12	1680	343	111	383
Cihey, Ethel J., et al. (See Stockwell, Millard E., assignor.)						
Cincinnati Butchers Supply Co. (See Anderson, Robert D. H., assignor.)						
Cincinnati Manufacturing Company. (See Tobey, Fred W., assignor.)						
Cincinnati Milling Machine Company. (See Holz, Frederick, assignor.)						
Cincinnati Planer Company. (See Langen, George, assignor.)						
Cincinnati Punch & Shear Company. (See Leighton, George F., assignor.)						
Cloft, Antonio, Cleveland, Ohio. Apparatus for measuring the duration of combustion of powders	764,350	July 5	890	1182 1183	111	195
Ciralli, Vincent, Yonkers, N. Y. Cleaning-machine	764,426	July 5	1056	216	111	235
Cirigliano, Michael, New York, N. Y. Combined ladder and platform	767,388	Aug. 16	2537	1533	111	1637
Cisna, Ira J., Parachute, assignor of one-half to J. Lexen, Rifle, Colo. Potato-cutter	778,530	Dec. 27	4106	894	113	2361
Claflin, Charles R. B., Winthrop, Mass. Derrick	753,237	Mar. 1	43	11	109	12
Claggett, Thomas F. B., Washington, D. C. Rein-holder	755,273	Mar. 22	4031	894	109	929
Clairmont, Adolfo de, Toledo, Ohio. Stopper	771,298	Oct. 4	152	34	112	994
Clamer, Guilham H., Philadelphia, Pa. Journal-bearing	769,337	Sept. 6	3399	92	112	86
Clancy, John R., Syracuse, N. Y. Theatrical-scenery trimmer	749,981	Jan. 19	2894	619	108	680
Clancy, John R., Syracuse, N. Y. Theatrical-scenery trimmer	776,173	Nov. 29	5338	1123	113	1273
Clancy, John R., Syracuse, N. Y. Theater-drop-curtain-tensioning device	776,774	Dec. 6	616	134	113	1562
Clapham, George S. (See Clapham, John N., assignor.)						
Clapham, John N., assignor of one-half to G. S. Clapham, Ashhurst, New Zealand. Rein-holder	751,462	Feb. 9	1253	267	108	1342
Clapp, Frederick B., Kenosha, Wis. Sash-fastener	758,416	Apr. 26	4419	1049	109	2347
Clapp, George D., Boston, Mass. Machine for feeding welts	749,719	Jan. 19	2392	505 506	108	570
Clapp, Mortimer A., Poughkeepsie, N. Y. Molder's flask	753,471	Mar. 1	467	110	109	102
Clapp, Solomon W. (See Hays, William S., assignor.)						
Clare, James P., Quincy, Mass. Secondary battery	762,882	June 21	2532	549	110	2026
Clark, A. L. (See Clark, Percy L., assignor.)						
Clark, Albert B., Terryville, Conn. Cord-holder	755,274	Mar. 22	4032	894	109	930
Clark, Alfred, Paris, France. Gramophone or talking-machine	759,345	May 10	1582	318	110	378
Clark, Alfred L., Dubuque, Iowa. Means for operating roller-awnings	767,389	Aug. 16	2538	534	111	1637
Clark, Allen B., Leavenworth, Kans. Jar or can holder	771,969	Oct. 11	1503	340	112	1292
Clark, Amasa B., New York, N. Y. Overhead electric carrying conduits	761,658	June 7	66	11	110	1433
Clark, Anthony L., et al. (See Fink and Andlauer, assignors.)						
Clark, Appleton L. (See Pick, Robert F., assignor.)						
Clark, Burton E., Warren, Ohio. Machine for making sticky fly-paper	768,734	Aug. 30	5342	1125	111	2300
Clark, Chancy P., Chattanooga, Tenn. Axle	777,243	Dec. 13	1528	339	113	1781
Clark, Charles, Beverly, Mass. Instrument for measuring angles	759,239	May 10	1361	271	110	330
Clark, Charles A., Hartford, Conn. Handle for snap-switches	749,919	Jan. 19	2784	594	108	657
Clark, Charles B., Buffalo, N. Y. Apparatus for disinfecting paper money	750,947	Jan. 26	3585	776 777	108	849
Clark, Charles E., Lynn, Mass. Golf-club	769,939	Sept. 13	1533	327	112	363
Clark, Charles E., Lynn, Mass. Golf-club	777,400	Dec. 13	1837	406	113	1849
Clark, Charles M., South Orange, N. J. Overhead electric carrying conduits	761,875	June 7	536	106	110	1560
Clark, Charles M., South Orange, N. J. Means for reversing electric motors	761,876	June 7	538	107	110	1560
Clark, Charles M., South Orange, N. J. Insulating-block for electric conductors	761,877	June 7	540	107	110	1560
Clark, Clement, Sandusky, Ohio. Bottle	750,258	Jan. 26	3410	738	108	807
Clark, Daniel, Powassan, Canada. Wagon-box	757,023	Apr. 12	1622	353	109	1703
Clark, Daniel J., assignor to M. Eldridge, Jersey City, N. J. Gas-lighting apparatus	774,562	Nov. 8	1968	427	113	454

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Clark, David P., Dayton, Ohio. Locomotive toy.....	768,268	Aug. 23	4357	916	111	2061
Clark, Dwight G., Plainville, Conn. Rivet.....	772,029	Oct. 11	1640	367	112	1325
Clark, Edward, Winslow, Ariz. Ter. Lubricator.....	771,711	Oct. 4	963	215	112	1165
Clark, Edward, assignor of one-half to F. P. Staff, Dunkirk, N. Y. Eyeglass-mounting.....	753,364	Mar. 1	262	59	109	59
Clark, Edward B., assignor of part to Imperial Machine Company and S. B. Whinery, Pittsburg, Pa. Attachment for linotype-machines.....	754,970	Mar. 22	3499	766	109	816
Clark, Eli M., Sycamore, Kans. Brick-kiln furnace.....	750,600	Jan. 26	4063	879	108	948
Clark, Emmitt, assignor to C. W. Barger, Dover, Del. Vise.....	774,563	Nov. 8	1970	428	113	455
Clark, Ernest D., Wenonah, N. J., assignor of one-half to E. W. Wilkins, Philadelphia, Pa. Stereopticon.....	759,671	May 10	2204	453	110	515
Clark, Ernest P., New York, N. Y., assignor of one-half to E. Baltzley, Glen Echo, Md. Reduction of copper ores.....	759,670	May 10	2203	452	110	515
Clark, Eugene B., 2d, Chicago, Ill., assignor to Otis Elevator Company. Electrical hoisting apparatus.....	771,351	Oct. 4	254	56 58 59 60	112	1015
Clark, Francis, Philadelphia, Pa. Bobbin.....	777,000	Dec. 6	1078	234	113	1666
Clark, Francis L., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Inter-changeable draw-gear for railway-cars.....	749,361	Jan. 12	1660	353	108	399
Clark, Francis L., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Brake-rigging for railway-trucks.....	763,961	July 5	26	6	111	8
Clark, Francis L., assignor to American Brake Company, St. Louis, Mo. Brake slack-adjuster.....	760,778	May 24	4384	932	110	1033
Clark, Frank H., et al. (See Delano, Frederic A., assignor.)	761,207	May 31	5244	1112 1113	110	1235
Clark, Frank M., Tilton, N. H. Machine for grinding lenses.....	761,207	May 31	5244	1112 1113	110	1235
Clark, Franklin S., and E. A. Harris, New York, N. Y., assignors, by mesne assignments, to Georgia Pine Turpentine Company of New York. Manufacturing pine-oils from wood.....	771,859	Oct. 11	1266	284	112	1244
Clark, Frederick, Clearlake, Minn. Lamp-supporting bracket.....	764,111	July 5	403	78	111	88
Clark, Frederick B., assignor of one-half to E. S. Weed, Stamford, Conn. Packed joint.....	757,992	Apr. 19	3548	768	109	2136
Clark, George H., Boston, assignor of one-half to E. C. Wright, Campello, Mass. Foot-pad.....	753,935	Mar. 8	1457	394	109	343
Clark, George P., Windsor Locks, Conn. Journal-bearing for truck wheels and casters.....	751,539	Feb. 9	1956	444	108	1492
Clark, Gilbert A. (See Zeidler, William A., assignor.)						
Clark, Helen, administratrix. (See Lundborg, Charles G.)						
Clark, Henry H., New Orleans, La. Gas fitting or stove.....	777,654	Dec. 20	2369	520	113	1978
Clark, Herbert E., San Francisco, Cal. Automatic belt-tightener.....	776,736	Dec. 6	517	113	113	1541
Clark, Herbert E., San Francisco, Cal. Automatic belt-tightener.....	776,827	Dec. 6	517	113	113	1541
Clark, Horace O., San Francisco, Cal. Gold-saving apparatus.....	776,113	Nov. 29	5214	1101	113	1243
Clark, Horace W., Mattoon, Ill. Well attachment.....	772,602	Oct. 18	2982	654	112	1640
Clark, Ira C., St. Louis, Mo., assignor to Schuler & Clark Manufacturing Co. Apparel-attached pipe.....	761,148	May 31	5138	1091	110	1212
Clark, Jabez F., Denver, Colo. Horseshoe.....	753,608	Mar. 1	868	196	109	188
Clark, Jabez F., Denver, Colo. Self-loading cart.....	753,669	Mar. 1	869	197	109	188
Clark, James A., and W. E. Beach, Ringwood, Okla. Ter. Baling-press.....	778,446	Dec. 27	3947	858	113	2327
Clark, James H., assignor to J. H. Clark Company, Portage, Wis. Audible alarm for air-braking systems.....	754,847	Mar. 15	3272	713	109	749
Clark, James H., assignor of one-half to F. M. Thompson, Richmond, Va. Railway-switch.....	761,031	May 24	4908	1039 1040	110	1142
Clark, James P., Dallas, Tex. Street-sweeping machine.....	766,422	Aug. 2	555	117 118	111	1161
Clark, James P., Newark, N. J., assignor to R. Neumann Hardware Company. Key.....	752,518	Feb. 16	3296	728	108	1801
Clark, James P., Newark, N. J., assignor to R. Neumann Hardware Company. Key.....	756,585	Apr. 5	759	165	109	1503
Clark, James P., Newark, N. J., assignor to R. Neumann Hardware Company. Trunk-catch.....	762,685	June 14	2119	461	110	1918
Clark, James P., Newark, N. J., assignor to R. Neumann Hardware Company. Catch for trunks, &c.....	765,127	July 12	2480	519	111	555
Clark, James P., Newark, N. J., assignor to R. Neumann Hardware Company. Trunk.....	765,128	July 12	2482	519	111	555
Clark, John A. (See Bollinger, James S., assignor.)						
Clark, John F., Chicago, Ill. Wrench.....	772,870	Oct. 18	3322	725	112	1715
Clark, John M., Whitestone, N. Y. Steam-engine.....	755,435	Mar. 22	4370	968	109	1002
Clark, John M., and J. C. Crume, Dayton, Ohio. Combination-tool.....	760,613	May 24	4028	857	110	957
Clark, John W., Springfield, Ohio, assignor to International Harvester Company, Chicago, Ill. Hay-tedder.....	771,418	Oct. 4	400	91, 92	112	1044
Clark, Joseph V., and H. S. Blynt, Steubenville, Ohio, assignors to King Lubricator and Brass Supply Company. Lubricator.....	773,545	Nov. 1	20	5	113	6
Clark, Joseph Y., Dallas, Tex. Cotton-gin-saw cleaner.....	767,868	Aug. 16	3482	736	111	1847
Clark, Laurin D. (See McDonald, Elijah D., assignor.)						
Clark, Louis G., Helena, Mont. Catapult.....	754,745	Mar. 15	3066	669	109	705
Clark, Lyonel E., et al. (See Bishop and Down, assignors.)						
Clark, Melville. (See Burton, Charles S., assignor.)						
Clark, Melville. (See Palmer, Albert D., assignor.)						
Clark, Melville, Chicago, Ill. Variation-register for automatic musical instruments.....	774,309	Nov. 8	1493	321	113	353
Clark, Murrell O., Verona, Miss. Wagon-unloading mechanism.....	752,519	Feb. 16	3267	729	108	1801
Clark, Norris E., Plainville, Conn. Expanded metal.....	767,798	Aug. 16	3333	704	111	1817
Clark, Percy L., Bristol, Conn., assignor, by mesne assignments, to A. L. Clark, Elgin, Ill. Liquid-contact chamber for electrically-wound mechanism.....	774,728	Nov. 8	2322	501	113	535
Clark, Peter T., assignor of one-fourth to W. J. Day, Boston, Mass. Non-refillable bottle.....	771,201	Sept. 27	3976	840	112	941
Clark, Robert E. (See Pierson and Clark.)						
Clark, Robert W., assignor of one-half to H. J. Gille, St. Paul, Minn. Display-sign.....	775,294	Nov. 22	3537	745	113	855
Clark, Robert W., assignor of one-half to H. J. Gille, St. Paul, Minn. Sign.....	775,295	Nov. 22	3538	746	113	855
Clark, Sarah W., New York, N. Y. Musical instrument.....	763,157	June 21	3061	659	110	2143
Clark, Shelton C., assignor of one-half to J. F. and A. R. Lewis, Beatrice, Nebr. Automatic stock-watering machine.....	754,848	Mar. 15	3274	714	109	749
Clark, Thomas C., Cambridge, Ohio. Electric railway-crossing signal.....	762,686	June 14	2121	462	110	1918
Clark, Thomas C., Cambridge, Ohio. Furnace for burning refuse.....	774,936	Nov. 15	2752	590	113	650
Clark, Ulysses G., Ivoryton, Conn. Piano-action.....	774,507	Nov. 8	1867	405	113	433
Clark, W. M. (See Williams, Willis D., assignor.)						
Clark, Walter G. (See De Forest and Clark.)						
Clark, Walter L., Everett, assignor to J. Duncan & Company, Boston, Mass. Switch for overhead trolley-tracks.....	754,127	Mar. 8	1803	402	109	414
Clark, Warren F., and P. T. Perrault, North Adams, Mass. Coasting device.....	768,977	Aug. 30	5838	1226	111	2412

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Clark, William A., Boston, Mass. Bushing for pulleys	758,821	May 3	482	96	110	117
Clark, William A., Jr. Jacksonville, Ga. Sample-shirt holder	769,729	Sept. 13	1181	243	112	274
Clark, William H. (See Brown, Jacob S., assignor.)						
Clark, William H., Erie, Pa., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Adding-machine	754,544	Mar. 15	2677	581	109	620
Clark, William H., Rochester, N. Y., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Printing mechanism for cash-registers	773,055	Oct. 25	3730	802	112	1822
Clark, William H., Rochester, N. Y., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Locking mechanism for cash-registers	773,056	Oct. 25	3739	802	112	1824
Clark, William H., Rochester, N. Y., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Computer and printer	773,057	Oct. 25	3743	804	112	1825
Clark, William H., and T. S. Harper, Indianapolis, Ind. Rimless trivale vaginal speculum	761,821	June 7	423	86	110	1533
Clark, William J., Elmhurst, assignor to Consolidated Gas Company, New York, N. Y. Top burner for gas-ranges	769,148	Sept. 6	12	3	112	5
Clark, William R., Cincinnati, Ohio. Combined hat, coat, and umbrella rack	758,509	Apr. 26	4591	987	109	2387
Clark, Willie W. (See Herrick, Alexis W., assignor.)						
Clarke, Alfred W., New York, N. Y. Motor-operated hand-tool	751,261	Feb. 2	917	208	108	1252
Clarke, Alfred W., New York, N. Y. Pipe for smoking tobacco	773,925	Nov. 1	794	165	113	183
Clarke, Anthony L., et al. (See Fink and Andlauer, assignors.)						
Clarke, Charles L. (See Beam and Clarke.)						
Clarke, Charles M. (See Bowman, Arthur M., assignor.)						
Clarke, Charles M. (See Collins, Charles F., Jr., assignor.)						
Clarke, Edward, Dunkirk, N. Y. Lens-cutting machine	772,783	Oct. 18	3169	659	112	1680
Clarke, Edward, Dunkirk, N. Y. Machine for drilling holes in lenses	772,784	Oct. 18	3170	689	112	1680
Clarke, Edward, Dunkirk, N. Y. Machine for grinding the edges of lenses	772,785	Oct. 18	3171	690	112	1680
Clarke, George F., Toronto, Canada. Suspending attachment for game-bags, &c.	749,651	Jan. 12	2263	477	108	525
Clarke, Harry M., Nottingham, assignor to R. F. Blair, London, England. Circular-knitting machine	762,142	June 7	1012	211	110	1658
Clarke, Harry M., Atlanta, Ga. Syringe-nozzle	777,182	Dec. 13	1418	314	113	1757
Clarke, Henry B., Chicago, Ill. Trolley	772,087	Nov. 11	1765	392	112	1353
Clarke, Ira J., Welcome, Minn. Music-leaf turner	775,799	Nov. 22	4588	972	113	1086
Clarke, John, trustee. (See Field, Millard F., assignor.)						
Clarke, John, Orangeville, Canada. Cattle-guard	759,150	May 3	1117	226	110	254
Clarke, John C., Ramsey, Isle of Man. Cabinet and means for storing, classifying, and indexing photographs, cards, or the like	761,659	June 7	69	11	110	1453
Clarke, John W., Bay City, Mich. Emery-wheel	760,957	May 24	4735	1008	110	1107
Clarke, Joseph F., Woolwich, New South Wales, Australia. Automatic weighing-machine	749,027	Jan. 5	944	200	108	219
Clarke Loose Leaf Book Company. (See Robson and Blackmer, assignors.)						
Clarke, Peete B., New York, N. Y. Cut-off-operating engine and valve mechanism	756,831	Apr. 12	1233	275	109	1624
Clarke, Peete B., New York, N. Y. Clutch-operating mechanism for cut-offs	775,345	Nov. 22	3646	772	113	882
Clarke, Peete B., New York, N. Y. Cut-off-actuating mechanism	778,113	Dec. 20	3777	719	113	2164
Clarke, Richard T., assignor to Invisible Suspender Company, Columbus, Ohio. Suspenders	770,419	Sept. 20	2437	515	112	584
Clarke, Rufus L., Kings Mountain, N. C. Guide for sewing-machines	764,180	July 5	588	106	111	118
Clarke, Sidney H., Minehead, England. Brick for the construction of arches	758,417	Apr. 26	4420	949	109	2347
Clarke, William C., New York, N. Y., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Heat-transmitting device	756,329	Apr. 5	272	56	109	1401
Clarkmobile Company. (See Way, Charles H., assignor.)						
Clarkson, Alfred, Fall River, Mass. Adjustable pipe-supporting bracket	755,847	Mar. 29	5154	1139	109	1194
Clarkson, Alfred, Fall River, Mass. Air-moistening system	762,143	June 7	1014	211	110	1658
Clarkson, Alfred, Fall River, Mass., assignor to Globe Moistening Company, Kittery, Me. Humidifier	771,460	Oct. 4	472	107	112	1059
Clarkson, Bowen E., Greelyville, S. C. Puzzle	777,401	Dec. 13	1838	406	113	1849
Clarkson, Joseph T. (See Mitchell, Willis, assignor.)						
Clarkson, Nathaniel B., Blacksburg, assignor of one-half to A. B. Blakely, Clinton, S. C. Attaching and detaching device	762,278	June 14	1277	275	110	1738
Clarkson, William R., assignor of one-fourth to J. L. and J. F. Courtwright, North Yakima, Wash. Cutting apparatus for harvesters	761,359	May 31	5562	1184	110	1306
Clarkson, William S., Livingston, Mont. Exhaust-nozzle	754,746	Mar. 15	3068	670	109	705
Clary, John A., assignor of one-third to H. Butler, Fort Worth, Tex. Checkrein attachment	757,092	Apr. 12	1753	381	109	1732
Clasemann, William, assignor to Pabst Brewing Company, Milwaukee, Wis. Pasteurizing apparatus	764,657	July 12	1573	320	111	359
Clasper, Walter, McKeesport, Pa. Manufacture of sheet-iron	756,473	Apr. 5	565	118	109	1463
Clasper, Walter, McKeesport, Pa. Apparatus for the manufacture of sheet-iron	756,474	Apr. 5	571	119	109	1463
Clasper, Walter, McKeesport, Pa. Furnace	756,475	Apr. 5	573	119	109	1463
Classen, Joseph, Cologne-Poll, Germany. Rotatable or reversible heel for boots, shoes, &c.	763,044	June 21	2830	614	110	2092
Claudel, Charles H., Argenteuil, assignor to Compagnie du Carburateur Claudel, Paris, France. Apparatus for the manufacture of gas	772,131	Oct. 11	1845	410	112	1370
Claunch, Jeremiah C., Waxahachie, Tex. Harvester	770,263	Sept. 20	2127	447	112	511
Clausen, Erik V., Nørre Nebel, and C. A. Heilmann, Skjelskør, Denmark. Material for use as substitute for linoleum	773,276	Oct. 25	4312		112	1958
Clausen, Henry P., assignor to American Electric Telephone Company, Chicago, Ill. Electrical signaling system	749,983	Jan. 19	2895	619	108	690
Clausen, Henry P., Chicago, Ill., assignor to American Electric Telephone Company. Relay	759,956	Mar. 8	1488	394	109	344
Clausen, Henry P., assignor to American Electric Telephone Company, Chicago, Ill. Telephone desk set	758,031	Apr. 19	3631	735	109	2154
Clausen, Henry P., assignor to American Electric Telephone Company, Chicago, Ill. Telephone lamp-jack	762,279	June 14	1278	275	110	1738
Clausen, Henry P., assignor to P. C. Burns and J. G. Ihmsen, Chicago, Ill. Thermal cut-out	757,884	Apr. 19	3340	723	109	2091
Clausen, James. (See Risse, Emile, assignor.)						
Clausing, Albert, Milwaukee, Wis. Tub-hoop	777,183	Dec. 13	1419	314	113	1757
Clausing, Theodore, New Knoxville, Ohio. Wind-chest for pipe-organs	758,048	Apr. 26	3675	797	109	2184
Clauss, John H. (See Blasberg, Emil, assignor.)						
Clavin, George A., San Antonio, Tex. Non-refillable bottle	764,041	July 5	252	47	111	58
Clawson, Orren, Rockvale, Mont. Folding packing-case	777,601	Dec. 13	2247	493	113	1937
Clawson, William M., Cincinnati, Ohio. Laundry-drag	778,114	Dec. 20	3280	731	113	2164

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Clay, David Z., East Hanover, Pa. Combined truck and hoist	750,166	Jan. 19	3245	700	108	753
Clay, Edward H., Chagrin Falls, Ohio. Carbureter for explosive-engines	770,559	Sept. 20	2712	574	112	644
Clay, Francis W. H., Pittsburgh, Pa. Bottle-closure	755,275	Mar. 22	4038	894	109	980
Clay, Francis W. H., Pittsburgh, Pa. Bottle-closure	755,276	Mar. 22	4035	895	109	980
Clay, Harry C., assignor to Reeves & Company, Columbus, Ind. Spark-arresting smoke-stack	764,658	July 12	1575	321	111	360
Claybaugh, Lawrence O., Toulon, Ill. Trestle	777,001	Dec. 6	1079	234	113	1666
Clayton, Frank R. (See Ashton, John, assignor.)						
Clayton, John, Minneapolis, Minn. Plow	773,926	Nov. 1	795	167	113	183
Clayton, Richard, Bilston, and E. B. Crump, Coseley, England. Cooking-pot or the like	763,962	July 5	28	6	111	9
Clayton, William H. (See Dukes and Clayton.)						
Cleal, Charles A., Capitola, Cal. Roundabout	753,043	Feb. 23	4388	965	108	2058
Cleal, Joseph P., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J., and Dayton, Ohio. Cash-register	766,875	Aug. 9	1545	323 324 325	111	1408
Cleal, Joseph P., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	768,587	Aug. 30	5044	1058	111	2233
Cleal, Joseph P., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,059	Oct. 25	3765	805 806 807	112	1831
Cleal, Joseph P., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,059	Oct. 25	3777	807 808	112	1834
Cleal, Joseph P., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,060	Oct. 25	3783	808 809	112	1836
Cleat, Charles St. Louis, Mo. Clicker-tongs	755,454	Mar. 22	4371	968	109	1002
Clearwater, Nelson D., Binghamton, N. Y. Receiver for mail, &c.	751,834	Feb. 9	1358	444	108	1492
Cleary, Edward, assignor to Connecticut Web Company, Bridgeport, Conn. Clasp	760,311	May 17	3440	725	110	808
Cleary, Michael. (See Taggart, George, assignor.) (Rei-sue.)						
Cleathero, Edward T., Altrincham, England. Machine for cleaning the rollers of printing-machines	748,583	Jan. 5	47	13 14 15 16 211 212 213 214 215 216	108	13
Cleathero, Edward T., Altrincham, England. Platen-press	774,040	Nov. 1	1006	215 216	113	228
Cleeland, William, Providence, R. I. Shoe attachment for vehicle-wheels	760,731	May 24	4284	910	110	1011
Cleff, Friedrich, Raunthal, near Barmen, Germany. Apparatus for dyeing, &c.	750,601	Jan. 26	4065	880	108	949
Clegg, George W., Irlanstown, near Manchester, England. Paper-reeler bar	755,329	Feb. 16	2913	650	108	1725
Clegg, Luther B. (See Crozier, Harry C., assignor.)						
Cleland, Andrew V., Minneapolis, Minn. Smut-machine	776,889	Dec. 6	863	185	113	1617
Cleland, James. (See Stewart and Cleland.)						
Clemens, Burley, Moundsville, W. Va. Bottle-closure	756,586	Apr. 5	760	165	109	1503
Clement, Charles C., Boston, Mass. Marking and lettering pen	757,024	Apr. 12	1623	353	109	1703
Clement, Henry K., Laporte, Ind. Grass-sieve	750,167	Jan. 19	3247	700	108	753
Clement, Jesse W. (See Cruser and Clement.)						
Clement, John, assignor to F. A. Philbrick, Baraboo, Wis. Collar-clasp	749,168	Jan. 12	1254	270	108	308
Clements, Abner B., Butte, Mont. Combination banking-book	752,520	Feb. 16	3269	729	108	1802
Clements, George, and J. M. Hostler, Chicago, Ill. House-cleaning apparatus	751,380	Feb. 2	1123	255	108	1297
Clements, George, and J. M. Hostler, Chicago, Ill. House-cleaning apparatus	777,002	Dec. 6	1083	325	113	1667
Clements, James A., Abingdon, Ill. Farm-gate	761,580	May 31	5942	1275	110	1391
Clements, James A., Abingdon, Ill. Clamping device for wire-stretchers	766,423	Aug. 2	557	118	111	1162
Clements, James A., Abingdon, Ill. Fence-wire-clamping device	766,424	Aug. 2	558	118	111	1162
Clements, John H., Coperas Cove, Tex. Sash-fastener	775,744	Nov. 22	4487	950	113	1065
Clements, John L., et al. (See McGehee, Lucius M., assignor.)						
Clements, Thomas, Nutley, assignor to Inventors Novelty Manufacturing Company, Paterson, N. J. Folding sample-case	776,457	Nov. 29	5877	1341	113	1396
Clemons, Charles B., Chicago, Ill. Piano sounding-board	777,939	Dec. 20	2947	647	113	2097
Clemons, De Laski T., Hornellsville, N. Y. Belt-splice	766,930	Aug. 9	1666	350	111	1431
Clemons, Henry, Morrisstown, Minn. Bicycle seat-post	759,672	May 10	2205	454	110	515
Clemson, Walter J., Trysull, near Wolverhampton, England. Windmill	766,219	Aug. 2	136	26, 27	111	1070
Clendining, Thomas D., Fordyce, Ark. Buggy-seat brace	767,390	Aug. 16	2541	534	111	1638
Clerc-Renaud, Marius. (See Ratignier and Clerc-Renaud.)						
Clergy, Louis J., and H. Morrow, Belt, Mont. Camp-stove	756,330	Apr. 5	273	56	109	1401
Clerici, Carlo, Milan, Italy. Electricity-meter	764,112	July 5	404	78	111	88
Clerk, Dugald, Ewhurst, England. Gas or other internal-combustion engine	769,589	Sept. 6	867	186	112	196
Cleveland, Charles A., Worcester, Mass. Hot-water heater	773,927	Nov. 1	793	167	113	184
Cleveland, Charles E., Fond du Lac, Wis. Lumber-feeding machine	755,745	Mar. 29	4935	1098 1099	109	1143
Cleveland, Ernest E., Worcester, Mass. Toilet article	750,168	Jan. 19	3248	700	108	754
Cleveland, Francis D., Winchester, Mass. Forming can-bodies	756,832	Apr. 12	1236	276	109	1624
Cleveland Machine Screw Company. (See Brophy, John P., assignor.)						
Cleveland Pneumatic Tool Company. (See Brainard, Sidney W., assignor.)						
Cleveland Pulley Company. (See Moore and Deming, assignors.)						
Cleveland Punch and Shear Works Company. (See Doolittle, John F., assignor.)						
Cleveland, Rienzi L., Devils Lake, N. D. Adding and subtracting machine	773,447	Dec. 27	3950	858	113	2327
Cleveland, Willard E., Oregon, Ill. Pedal-action for pianos	772,693	Oct. 18	2983	665	112	1641
Cleveland, William B., Cleveland, Ohio. Apparatus for bonding rails	750,582	Jan. 26	3910	848	108	918
Cleveland, William C., Buffalo, N. Y. Sunshade for hats	770,352	Sept. 20	2326	490	112	560
Cleveland, William N., Dover, Ky. Device for preventing shaft motion in vehicles	754,642	Mar. 15	2870	627	109	659
Cleveland Wire Spring Company. (See Colling, Charles J., assignor.)						
Cleves, Anna, Omaha, Neb. Garment-fastener	755,617	Mar. 29	4673	1039	109	1083
Clewel, Charles W., Canton, Ohio. Trap-valve	754,747	Mar. 15	3070	670	109	706
Clewelly, Eva, Wilkesbarre, Pa. Combined skirt-supporter and placket-fastener	767,869	Aug. 16	3484	737	111	1847
Clewley, Frank, Philadelphia, Pa. Towel	752,033	Feb. 16	2350	526	108	1598
Clews, Henry, Jr., New York, N. Y., and F. Y. Dalziel, Paris, France. Means for inflating life-belts	752,654	Feb. 23	3558	792	108	1883
Cliff, Edward, New York, N. Y. Door closer and check	748,929	Jan. 5	720	156	108	163
Cliff, Edward, East Orange, N. J. Electric-car truck	751,835	Feb. 9	1359	444	108	1493
Cliff, Edward, East Orange, N. J. Semi-elliptic spring	752,034	Feb. 16	2351	526	108	1598

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Cliff, Edward, Newark, N. J., assignor to Vose and Cliff Manufacturing Company, New York, N. Y. Car-truck bolster and bearing therefor	750,348	Jan. 26	3588	777	108	850
Cliff, Edward, assignor to Cliff and Guilbert Company, New York, N. Y. Hose-reel	766,170	Aug. 2	37	5	111	1048
Cliff, George H., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Paper-fastener package	768,423	Aug. 23	4694	983	111	2142
Cliff and Guilbert Company. (See Cliff, Edward, assignor.)						
Clifford, Charles T. H., et al. (See Farmer, Julius M., assignor.)						
Clifford & Co., James J. (See Clifford, James J., assignor.)						
Clifford, Hersey A., San Francisco, Cal. Decorticating-machine	749,475	Jan. 12	1921	988 399	108	451
Clifford, James J., assignor to J. J. Clifford & Co., Green Island, N. Y. Bottle-washing machine	748,584	Jan. 5	53	16, 17	108	14
Clifford, James J., assignor to J. J. Clifford & Co., Green Island, N. Y. Bottle-filling apparatus	748,585	Jan. 5	61	18	108	16
Clifford, James J., assignor to J. J. Clifford & Co., Green Island, N. Y. Bottle-rinsing machine	759,849	May 10	1586	319	110	379
Clifford, Patrick, Quincy, Mass. Mold for lacing-hooks	750,602	Jan. 26	4066	880	108	949
Clifford, Patrick, Richmond, Va. Core for pipe-molds	775,205	Nov. 15	3303	705	113	778
Clifford, William, Jeannette, Pa. Mine-ventilation system and apparatus	752,955	Feb. 23	4169	929	108	2020
Clifford, William, Jeannette, Pa. Ventilating-fan structure	752,956	Feb. 23	4171	929	108	2020
Clifford, William, Jeannette, Pa. Ventilating-fan structure	771,461	Oct. 4	475	107	112	1059
Clifford, William P., Iconium, assignor of one-half to J. C. Cook, Russell, Iowa. Motor	771,534	Oct. 4	630	140 141	112	1093
Clifford, William P., Iconium, assignor of one-half to J. C. Cook, Russell, Iowa. Wind-mill	772,786	Oct. 18	3172	690	112	1680
Climenson, William W., Honeybrook, Pa., assignor to Unique Umbrella Company of Baltimore City, Baltimore, Md. Umbrella-rib retainer	761,032	May 24	4912	1041	110	1143
Climenson, William W., Honeybrook, Pa., assignor to Unique Umbrella Company of Baltimore City, Baltimore, Md. Cover-holding clip for umbrellas	768,292	June 21	3258	703	110	2187
Climer, Frank O., Chicago, Ill. Printing-press form	751,762	Feb. 9	1847	420	108	1468
Climo, Jonathan B., London, assignor of two-thirds to A. McPhaden and H. McKelvey, Nakusp, Canada. Rail joint	755,848	Mar. 29	5155	1139	109	1194
Cline, Charles A., Lincolnton, N. C. Band-machine head	775,125	Nov. 15	3136	667	113	739
Cline, James P., Charity, Mo. Hand or foot power machine	754,849	Mar. 15	3280	714	109	751
Cline, William B., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge	778,403	Dec. 27	3894	842	113	2309
Clingman, Preston H., Florence, Colo. Mold for concrete walls	762,144	June 7	1715	211	111	1638
Clingman, George F., Chicago, Ill. Metal post	754,198	Mar. 8	1926	428	109	441
Clingman, George F., assignor to Tobey Furniture Company, Chicago, Ill. Chair	751,463	Feb. 9	1233	287	108	1342
Clinker, Reginald C., Rugby, England, assignor to General Electric Company. Apparatus for regulating electric currents	771,299	Oct. 4	153	34	112	994
Clinton, John, St. Louis, Mo. Display-rack	766,931	Aug. 9	1667	350	111	1431
Clive, Edward H. (See Cherry and Clive.)						
Cloe, Charles C. (See Walker, Elias S., assignor.)						
Cloerty, Richard J., Cincinnati, Ohio. Fishpole-keep	754,971	Mar. 22	3502	767	109	816
Clokey, William J., Toronto, Canada. Binding mechanism for binder-machines	773,546	Nov. 1	24	5, 6, 7	113	7
Close, Charles F., Watkins, N. Y. Carpet-rag looper	773,001	Oct. 25	3590	778	112	1792
Clossey, Leonard J., Montpelier, Vt. Pneumatic hammer	777,368	Dec. 19	1772	394	113	1894
Closz, Charles, Webster City, Iowa. Adjustable sieve	763,158	June 21	3062	660	110	2143
Cloud, Jeremiah S. (See Gaskill, Marion L., assignor.)						
Cloud, John W., London, England, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake	758,049	Apr. 26	3676	797	109	2184
Cloud, John W., London, England, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake	761,360	May 31	5564	1184 1185	110	3066
Cloud, John W., London, England, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Simultaneous valve device for air-brakes	774,137	Nov. 8	1219	280 261	113	292
Cloudman, Frank H., Rumford Falls, Me. Apparatus for preparing fiber for paper-making purposes	775,037	Nov. 15	2935	626	113	694
Cloudman, Frank H., Westbrook, Me. Apparatus for preparing fiber for paper-making	773,028	Nov. 15	2936	625	113	695
Cloudy, Francis A., Startup, Wash. Step-bearing for shingle-machine arbors	764,560	July 12	1371	279	111	316
Clough, Augustus A., Denver, Colo. Street-cleaning machine	772,924	Oct. 25	3449	748	112	1761
Clough, Edgar F. and E. P., San Jose, Cal. Acetylene-gas machine	774,466	Nov. 8	1780	384	113	413
Clough, Eliza P. (See Clough, Edgar F. and E. P.)						
Clough, John A., assignor of one-half to H. D. and E. L. Burghardt, Springvalley, Wis. Step-ladder	771,352	Oct. 4	268	60	112	1017
Close, Charles E., Pataskala, Ohio. Corn-harvesting machine	777,078	Dec. 13	1236	272	113	1718
Clouser, Samuel F., Brooklyn, N. Y. Drive-chain and wheel	772,500	Oct. 18	2617	576	112	1561
Cloutter, Oseline D., Leominster, Mass. Clothes-washing apparatus	775,126	Nov. 15	3137	667	113	740
Cloutter, Samuel, Lewiston, Me. Fly-closer for shoe-uppers	750,603	Jan. 26	4069	881	108	949
Cloutter, Samuel, Lewiston, Me. Movable top	750,604	Jan. 26	4071	881	108	950
Clover, Alphonso M., Ann Arbor, Mich. Antiseptic compound	768,561	Aug. 23	4964	111	113	2198
Clover, Alphonso M., Ann Arbor, Mich. Forming organic peroxid acids	768,562	Aug. 23	4965	111	113	2198
Clover, Alphonso M., Ann Arbor, Mich. Antiseptic compound	768,563	Aug. 23	4965	111	113	2198
Clover, George E., Chicago, Ill. Thill-coupling	775,444	Nov. 22	3856	815	113	928
Clow, George S., Columbus, Ohio. Machine for tenoning and boring implement-handles	755,359	Mar. 22	4195	927	109	966
Cloyd, Harvey, Ohio, Nebr. Wheeled harrow	766,336	Aug. 2	380	80, 81	111	1124
Cloyd, Henry C., Union City, Ind. Driving mechanism for traction-engines	753,670	Mar. 1	872	197	109	189
Cloyd, Oliver H., assignor to T. E. Gaines, Kansas City, Mo. Cultivator	757,862	Apr. 19	3300	715	109	2081
Cloyd, Oliver H., Kansas City, Mo., assignor to Haggood Plow Co., Alton, Ill. Locking device for awnings	773,311	Oct. 25	4378	925	112	1971
Cluss, Otto E., St. Louis, Mo. Window	754,425	Mar. 15	3490	531	103	567
Cluthe, Charles, New York, N. Y. Ventilating, heating, and cooling apparatus	761,581	May 31	5944	1275	110	1391
Clutz, Harry, et al. (See Lewis, Albert H., assignor.)						
Clyburn, Ida C., Bishopville, S. C. Fertilizer-distributor and cotton-planter	748,843	Jan. 5	543	124	106	123
Clyde Iron Works. (See Merkel, Arthur E., assignor.)						
Clyde, James C., San Francisco, Cal. Air-brake	775,062	Nov. 15	3002	638	113	710
Clymer, Forrest, et al. (See Hamman, Frederic, assignor.)						
Coal Dealers Supply Company. (See Lanpher, Charles W., assignor.)						
Coale, Harvey, Baltimore, Md. Bottle-closure	752,531	Feb. 16	3271	730	108	1802
Coale, Harvey, and L. S. Greensfelder, Baltimore, Md. Bottle	771,714	Oct. 4	967	216	112	1166
Coale, Harvey, and L. S. Greensfelder, Baltimore, Md. Bottle-forming implement	773,206	Nov. 15	3304	705	113	778
Coale, Harvey, and L. S. Greensfelder, Baltimore, Md. Apparatus for applying stoppers to bottles	778,566	Dec. 27	4173	910	113	2375
Coale, Harvey, and L. S. Greensfelder, assignors to Crown Cork & Seal Company, Baltimore, Md. Bottle-closure	771,712	Oct. 4	964	216	112	1166

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Coale, Harvey, and L. S. Greensfelder, assignors to Crown Cork & Seal Company, Baltimore, Md. Bottle-closure.	771,713	Oct. 4	966	216	112	1166
Coaleo Fuel Manufacturing Company. (See Cottle, Melvin W., assignor.)						
Coast, James H., Corner, Okla. Ter. Beet-topping machine.	759,863	May 17	2587	540	110	616
Coates, Amos N., Toledo, Ohio. Mold for seamless-crown swagers.	776,114	Nov. 29	5215	1101	113	1244
Coates, Daniel E., Payette, Idaho. Alarm.	778,010	Dec. 20	3075	676	111	2122
Coates, George H., Worcester, Mass. Flexible shaft.	764,917	July 19	2097	434	111	476
Coates, John, Hemet, Cal. Power-transmitter.	757,599	Apr. 19	2786	609	109	1969
Coates, John E. (See Campbell, Benjamin F., assignor.)						
Coates, Ray G., Pasadena, Cal. Mowing-machine.	762,514	June 14	1765	377	110	1841
Cobaugh, Ephraim B., Middletown, Pa. Combined brace and rack for tents.	761,532	May 31	5946	1275	110	1391
Cobb, Alphonso H., Asheville, N. C. Hook.	770,163	Sept. 13	1927	411	112	450
Cobb, Andrew R., Boston, Mass. Sketching outfit.	752,737	Feb. 23	3742	884	108	1924
Cobb, James H., Belton, S. C., assignor to Draper Company, Hopedale, Mass. Loom.	775,895	Nov. 22	4766	1010	113	1123
Cock, Lyman H., Portland, Me., assignor to J. Jahn, Jr., Riverside, Cal. Rotary engine.	763,963	July 5	29	6	111	9
Cobbett, William, Cooperstown, N. Y. Flower-pot support.	764,042	July 5	253	47	111	58
Coburn, Clarence W., San Francisco, Cal. Portable rail-joint bridge.	765,882	July 26	3977	847	111	905
Coburn, George B., et al. (See Heenan, James, assignor.)						
Coburn, Henry R. (See McNeely, John E., assignor.)						
Coburn, Raymond C., Upper Sandusky, Ohio. Laundry apparatus.	755,455	Mar. 22	4372	968	109	1002
Cochran, Trolley Track Manufacturing Company. (See Sumner, William J., assignor.)						
Cochran, Adam, deceased; H. S. Cochran, Kansas City, Mo., administrator. Iron-foundry.	749,258	Jan. 12	1442	808	108	350
Cochran, Charles C. (See Gantz, Samuel, assignor.)						
Cochran, Edward J., Sterling, Ill. Flask for foundries.	763,465	June 28	3684	794	110	2302
Cochran, Haggert S., administrator. (See Cochran, Adam.)						
Cochran, Harvey L., Sheridanville, Pa. Fire-door-closing device.	752,825	Feb. 23	3879	870	108	1954
Cochran, Joseph E., Chicago, Ill. Weighing-scale.	777,603	Dec. 13	3248	494	113	1937
Cochran, Sidney H., and A. E. Anderson, assignors of one-third to R. D. Apperson, Lynchburg, Va. Hanger for overhead conductors.	765,917	July 26	4038	863	111	919
Cochran, William, Paterson, N. J. Jacquard-machine.	753,547	Mar. 1	635	144	109	139
Cochran, William F., Osborne, Kans. Three-row cultivator.	770,420	Sept. 20	2438	515	112	584
Cochran, William R., Jr., Delphos, Ohio, assignor of two-thirds to J. S. Bowers, Decatur, Ind. Window-screen.	753,238	Mar. 1	46	12	109	13
Cochrane, David, Philadelphia, Pa. Water-heating.	770,264	Oct. 29	2129	448	112	512
Cochrane, James, Cincinnati, Iowa. Antiseptic tooth-brush holder.	737,385	Apr. 19	3342	723	109	2091
Cochrane, William, London, England. Means for propelling ships.	762,687	June 14	2126	463	110	1919
Cochrane, William B., Chicago, Ill. Liquid-dispensing apparatus.	757,898	Apr. 19	3343	723	109	2091
Cock, William R., Plainfield, N. J., assignor of one-half to F. A. Riehle, Philadelphia, Pa. Testing-machine.	758,418	Apr. 26	4421	949	109	2347
Cockburn, Sidney M., London, England. Device for collecting and removing steam.	771,717	Feb. 9	1719	391	108	1441
Cockburn, Sidney M., London, England. Steam-generator.	751,718	Feb. 9	1721	392	108	1442
Cockburn, Sidney M., London, England. Device for removing steam from the heating-surfaces of steam-generators.	755,317	Mar. 29	3927	869	109	903
Cockrell, Harvey, and W. H. Fish, Columbus, Ohio. Roasting and smelting furnace.	772,925	Oct. 25	3451	748	112	1761
Cockrell, John, Halifax, England. Head-rod for fruit-jars or the like.	774,909	Nov. 15	3598	578	113	637
Cocker, John, and C. Denn, Philadelphia, Pa. Electric stop-motion for warping-machines.	754,748	Mar. 15	3072	671	109	706
Cockrell, Judson, Fargo, N. D. Heating-stove.	756,587	Apr. 5	761	165	109	1503
Cockrell, Lee G. (See Kenly, Edward M., assignor.)						
Cocoon Spinner Company. (See Sawyer, Frederick W., assignor.)						
Coddington, Erastus L., Marion, Ohio. Combined bolt-thread cutter and wrench.	778,115	Dec. 20	3281	721	113	2164
Coddington, George D. C., Heno, Ohio. Packing-ring for fruit-jars or the like.	748,586	Jan. 5	64	19	108	16
Code, George, Melrose, assignor, by mesne assignments, of one-half to W. B. Pelton, Boston, Mass. Steam-turbine.	759,420	May 10	1725	349	110	411
Coe, Addison A., New York, assignor to H. De Haven, Brooklyn, N. Y. Bale-tie.	764,351	May 5	899	183	111	197
Coe Brass Manufacturing Company. (See Brooker, Charles F., assignor.)						
Coe, John S., Paterson, N. J. Water-heater.	777,841	Dec. 20	2725	600	113	2054
Coe, Walter H., Providence, R. I. Gilder's tool.	754,403	Mar. 8	2382	520	109	537
Coesir, John L., Joplin, Mo. Strop.	770,225	Sept. 13	2051	432	112	477
Coffee, Bassett M., assignor of one-fourth to W. J. Whitehurst, Richmond, Va. Variable transmission-gearing.	759,157	May 3	1119	227	110	254
Coffelt, William H., Anacortes, Wash. Can-weighing machine.	770,259	Jan. 26	3411	738	108	808
Coffey, Michael, Chicago, Ill. Garment-clasp. (Reissue.)	12,237	June 28	4604	1007	110	2497
Coffield, Levi N., Clarksburg, W. Va. Safety-alarm.	775,165	Nov. 15	3218	688	113	758
Coffin, Abraham B. (See Gleason, Thomas W., assignor.)						
Coffin, Charles L., assignor to Electric Metal Working Company, Detroit, Mich. Metallic vessel.	774,041	Nov. 1	1013	216	113	229
Coffin, Edward F., Worcester, Mass. Fastening device for show-windows or the like.	771,535	Oct. 4	633	141	112	1094
Coffin Valve Company. (See Adams, Francis E., assignor.)						
Coffin, Walter E., assignor to National Malleable Castings Company, Cleveland, Ohio. Spring-coupling.	758,958	May 8	755	150	110	175
Coffman, Clarence W. (See Rees, Walter R., assignor.)						
Coffman, Joseph, Liberty, Ind. Grain-carrier.	756,938	Apr. 12	1440	319	109	1665
Coffman, Walter M., Madison, Wis., assignor to Northern Electrical Manufacturing Company. Oilier for shaft-bearings.	771,231	Oct. 4	20	4	112	905
Cogan, William F., Hoboken, N. J. Portable automatic boat-leak detector.	766,811	Aug. 9	1418	296	111	1376
Cogburn, William S., Paris, Tex. Computing-yardstick.	758,746	Mar. 29	4937	1099	109	1144
Coger, Walter, Bisbee, Ariz. Ter. Automatic cut-off for glass-tube water-gages.	755,456	Mar. 22	4374	969	109	1002
Cogswell, Henry. (See Fellows, Hugh W., assignor.)						
Cohen Automatic Electric Block Signal Company. (See Cohen, George W., assignor.)						
Cohen, George W., Allegheny, Pa., assignor to Cohen Automatic Electric Block Signal Company. Safety train-controlling system.	763,964	July 5	34	6, 7	111	11
Cohen, Hartwig A. (See Grant, Thomas, assignor.)						
Cohen, Hyman, assignor to Nathan Ankle Support Company, New York, N. Y. Bag for horns.	773,061	Oct. 25	3791	809	112	1837
Cohen, Stanley A., New York, N. Y. Nail or tack driving implement.	750,605	Jan. 26	4071	881	108	950
Cohen, Stanley A., New York, N. Y. Drying-machine.	764,561	July 12	1371	280	111	816
Cohen, William B. (See Tarbett, William A., assignor.)						
Cohn, Abraham, New York, N. Y. Rat for hair-dressing.	768,588	Aug. 30	5046	1058	111	2234

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Cohn, Adolf, <i>et al.</i> (See Bomberger, James B., assignor.)						
Cohn, Adolph H. (See Carolin, James B., assignor.)						
Cohn, Adolph H., New York, N. Y. Hose-supporter	752,035	Feb. 16	2353	536	108	1599
Cohn, Adolph H., New York, N. Y. Hose-supporter	756,220	Aug. 2	139	27	111	1071
Cohn, Adolph H., New York, N. Y. Garment-clasp or hose-supporter	774,829	Nov. 15	2538	546	113	600
Cohn, Georg, Breslau, Germany. Picture-frame	732,283	Feb. 16	2824	626	108	1706
Cohn, Henry F., Jr., Louisville, Ky. Sifter	759,864	May 17	2588	540	110	616
Cohn, Hermann. (See Rouse, Thomas, assignor.)						
Cohn, Max G. (See Vallendar, Otto, assignor.)						
Cohn, Michael, New York, N. Y. Device for holding laces	773,476	Oct. 25	4726	997	112	2045
Cohnen, Bernhard, Grevenbroich, Germany. Centrifugal machine	776,295	Nov. 29	5559	1177	113	1322
Cole, Henry P., Knoxville, Tenn. Bath-tub	755,747	Mar. 29	4993	1059	109	1144
Coin Counting Machine Company. (See Johnson, Jay M., assignor.)						
Coin, Louis, Tassin la Demi-Lune, France. Jacquard mechanism for looms	755,457	Mar. 23	4375	969	109	1003
Coke, John H., Black Diamond, Wash. Gas-holder	757,887	Apr. 19	3346	724	109	2092
Coke, Wilbur A., assignor of one-half to C. M. Barnett, Norfolk, Va. Non-refillable bottle	757,391	Apr. 12	2354	513	109	1859
Cokefair and Cadmus. (See Cokefair, Eugene H., assignor.)						
Cokefair, Eugene H., assignor to Cokefair and Cadmus, Glenridge, N. J. Shingling-tool	752,615	Feb. 16	3473	775	108	1848
Colahan, Charles, Chicago, Ill. Grain-binder	748,587	Jan. 5	66	19	108	17
Colahan, Charles, Chicago, Ill. Grain-binder	755,748	Mar. 29	4940	1099	109	1144
Colardeau, Louis J. E., and J. Richard, Paris, France. Picture-exhibitor	773,786	Nov. 1	477	104	113	111
Colas, Jules A., assignor to Poole Brothers, Chicago, Ill. Map	752,957	Feb. 23	4172	930	108	2020
Colbath, Monroe D., Hampden, Me. Carbureter	763,905	July 5	40	7, 8	111	13
Colbert, Carl. (See Neuber and Tambour, assignors.)						
Colburn, Irving W., Toledo, Ohio. Glass-working machine	754,426	Mar. 15	2493	531	109	567
Colburn, Irving W., Franklin, Pa. Glass-working machine	766,962	Aug. 9	1668	532	111	1432
Colburn, Irving W., Franklin, Pa. Glass-working machine	767,391	Aug. 16	2552	350	111	1638
Colburn, Irving W., Franklin, Pa. Glass-working machine	768,034	Aug. 23	2846	351	111	1947
Colburn, Irving W., Franklin, Pa. Glass-working machine	768,589	Aug. 30	5047	807	111	2235
Colburn, Irving W., Franklin, Pa. Glass-working machine	769,149	Sept. 6	13	4, 5	112	5
Colburn, Leslie H., Franklin, Pa. Vertical shaper	755,849	Mar. 29	5156	1140	109	1195
Colburn, Leslie H., Franklin, Pa., assignor of one-half to Baker Brothers, Toledo, Ohio. Slotting-machine	748,844	Jan. 5	545	125	108	123
Colby, Caleb K., Brooklyn, N. Y. Watchcase	778,775	Dec. 27	4558	126	113	2461
Colby, Harry W., assignor to Automatic Racking Machine Company, Chicago, Ill. Apparatus for racking beer	755,618	Mar. 29	4674	998	109	1083
Colby, Harry W., assignor to Automatic Racking Machine Company, Chicago, Ill. Bottling-machine	755,619	Mar. 29	4680	1040	109	1085
Colcord, Ivory G. (See MacDonald and Colcord.)						
Coldenstroth, George W., <i>et al.</i> (See Keller, Louis P., assignor.)						
Coldwell, Thomas, Newburgh, N. Y. Folding table	764,880	July 12	2011	415	111	457
Cole, Albert L., Auburndale, Mass. Lacing-button	757,025	Apr. 12	1625	354	109	1703
Cole, Albert L., Auburndale, and J. L. Sackett, Melrose, Mass. Packing	777,275	Dec. 13	1565	353	113	1793
Cole, Arthur W., West Hoboken, N. J. Coin-controlled circuit making and breaking apparatus for phonographs	778,305	Dec. 27	3659	798	113	2264
Cole, Bertha C., Williamson, N. Y. Match-scratching device	775,296	Nov. 22	3839	746	113	856
Cole, Bion. (See Todd, William O., assignor.)						
Cole, Charles H., Baltimore, Md. Door stop and holder	752,375	Feb. 16	2998	668	108	1745
Cole, Charles K., <i>et al.</i> (See Schuch, William, assignor.)						
Cole, Chesterfield F., Lansing, assignor to Quincey Knitting Company, Three Rivers, Mich. Knitting-machine	773,477	Oct. 25	4727	998	112	2045
Cole, Christopher C., <i>et al.</i> (See Matthews, James F., assignor.)						
Cole, Christopher O., Whatecom, Wash. Automatic pipe-coupling	757,888	Apr. 19	3349	724	109	2092
Cole, Corydon L. (See Chambers and Cole.)						
Cole, David W., Jackson, Pa. Brush	772,217	Oct. 11	2024	445	112	1409
Cole, David W., Jackson, Pa. Mortar-making machine	775,745	Nov. 22	4483	951	113	1065
Cole, Edward, New York, N. Y. Ship-cleaning device	752,142	Feb. 16	2548	568	108	1642
Cole, Edward S., Chicago, Ill. Means for controlling flowing streams	750,752	Jan. 26	4373	945	108	1018
Cole, Elizabeth A., executrix. (See Cole, Thomas and W. L.)						
Cole, Ernest C., assignor to Cole Manufacturing Company, Chicago, Ill. Ash-door	752,522	Feb. 16	3273	730	108	1803
Cole, Francis J. (See Dalton and Cole.)						
Cole, Francis J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Steam-boiler superheater	765,307	July 19	2814	586	111	645
Cole, Francis J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Locomotive-frame-pedestal tie	768,788	Aug. 30	5440	1145	111	2321
Cole, Francis J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Locomotive-frame-pedestal tie	773,719	Nov. 1	347	77, 78	113	82
Cole, Frank F., Albion, Mich. Mold	768,424	Aug. 23	4695	983	111	2142
Cole, Frederick W. (See Fewkes, Ernest E., assignor.)						
Cole, Frederick W., Newton, assignor to United States Fire and Police Telegraph Company, Boston, Mass. Electromechanical gong	757,271	Apr. 12	2094	456	109	1805
Cole, Gideon W., Canton, Ill. Garden-plow	749,259	Jan. 12	1444	309	108	350
Cole, Isaac F., Williamsfield, Ill. Automatic mail-delivery apparatus	751,464	Feb. 9	1235	287	108	1342
Cole, Isaac F., Williamsfield, Ill. Automatic mail-delivery apparatus	751,465	Feb. 9	1258	288	108	1343
Cole, J. N., <i>et al.</i> (See Stouffer, Hiram C., assignor.)						
Cole, Jacob S., Allegheny, Pa. Automatic controlling device	755,568	Mar. 22	4552	1013	109	1042
Cole, James R., Jr., <i>et al.</i> (See Matthews, James F., assignor.)						
Cole Manufacturing Company. (See Cole, Ernest C., assignor.)						
Cole, Richard. (See Ball and Cole.)						
Cole, Sherman M., Anamosa, Iowa. Fire-escape	771,715	Oct. 4	968	216	112	1166
Cole, Sherman M., Anamosa, Iowa. Rotating door	777,003	Dec. 6	1068	235	113	1667

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Cole, Thomas, deceased, (E. A. Cole executrix,) and W. L. Cole, London, England. Apparatus for producing cold air for refrigerating purposes.	761,448	May 31	5717	1217 1218	110	1341
Cole, William F., assignor to Plunger Elevator Company, Worcester, Mass. Interlocking device for valves.	772,088	Oct. 11	1767	393	112	1353
Cole, William H., assignor of one-half to W. E. Holmes, Watertown, Mass. Oil-switch.	750,811	Feb. 2	1477	10, 11	108	1067
Cole, William L. (See Cole, Thomas and W. L.)						
Coleman, Arnold D., Chicago, Ill. Automatic vacuum and suction feed mechanism.	753,123	Feb. 23	4470	994 995 996	108	2087
Coleman, Charles, Index, assignor of one-half to D. M. Porter, Everett, Wash. Non-refillable bottle.	774,890	Nov. 15	2539	546	113	601
Coleman, Charles, and A. N. Gregory, Index, Wash. D. C. Dr.-fastener.	759,673	May 10	2306	454	110	515
Coleman, Charles W., Dubuque, Iowa. Clamping device.	764,559	July 12	1576	321	111	380
Coleman, Clarence W. (See Coleman, Clyde J., assignor.)						
Coleman, Clarence W., Westfield, N. J., assignor to Hall Signal Company. Railway signal apparatus.	758,297	Apr. 26	4173	900	109	2291
Coleman, Clyde, assignor, by mesne assignments, of two-thirds to Bankers Electric Protective Company, Chicago, Ill. Electric burglar-alarm system.	774,831	Nov. 15	2540	547	113	601
Coleman, Clyde J., assignor, by mesne assignments, to C. W. Coleman, Chicago, Ill. Refrigeration system and apparatus.	757,392	Apr. 12	3556	513	109	1859
Coleman, Clyde J., assignor, by mesne assignments, to C. W. Coleman, Chicago, Ill. Refrigeration system.	757,393	Apr. 12	2358	513	109	1860
Coleman, Clyde J., New York, N. Y., assignor to Hall Signal Company. Railway switch and interlocking apparatus.	770,265	Sept. 20	2131	448	112	512
Coleman, Clyde J., Rockaway, N. J., assignor to Hall Signal Company. Railway traffic-controlling apparatus.	774,717	Nov. 8	2262	491	113	517
Coleman, Dorr O., and A. Shepard, Southington, Conn.; said Shepard assignor to said Coleman. Vending-machine.	757,993	Apr. 19	3549	768	109	2136
Coleman, Edgar P., Chicago, Ill. Valve-stem packing.	750,090	Jan. 19	3110	169	108	723
Coleman, Emil M. G., Melbourne, Victoria, Australia. Time fire-lighter.	762,688	June 14	2127	463	110	1919
Coleman, George A., Atlanta, Ga. Adjustable plumb-bob and line-reel.	773,547	Nov. 1	34	7	113	11
Coleman, George B., Memphis, Tenn. Shoe-polisher.	752,143	Feb. 16	2551	568	108	1643
Coleman, H. C. (See Wilcomb, Frank, assignor.)						
Coleman, John. (See Peters and Coleman.)						
Coleman, John P., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway-signal.	761,208	May 31	5246	1113	110	1336
Coleman, John P., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Lock for levers in interlocking machines.	763,366	June 28	3484	753	110	2259
Coleman, John P., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway-signal.	763,540	June 28	3818	826	110	2329
Coleman, John P., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway switching apparatus.	764,043	July 5	25	47, 48	111	59
Coleman, John P., Edgewood, assignor to Union Switch & Signal Co., Swissvale, Pa. Railway switching apparatus.	767,629	Aug. 16	3033	694	111	1750
Coleman, John P., Edgewood, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway-signal.	769,058	Aug. 30	5998	1257 1258	111	2447
Coleman, Joseph T., Mayfield, Ky. Hoppie.	766,425	Aug. 2	560	119	111	1162
Coleman, Lucius E., Santa Ana, Cal. Hydrocarbon-burner.	753,825	Mar. 1	1226	276	109	263
Coleman, Lucius E., Santa Ana, Cal. Hydrocarbon-burner.	771,970	Oct. 11	1505	340	112	1233
Coleman, Matthew W. (See Seneadriker, Edward T., assignor.)						
Coleman, Raymond H. (See Chamberlin and Coleman.)						
Coleman, Robert F., Philadelphia, Pa. Spraying-nozzle.	770,739	Sept. 27	3045	648	112	737
Coleman, Thomas, Jr., Clarksburg, W. Va. Glass-press.	773,247	Oct. 25	4256	1900	112	1945
Coleman, William H., Rome, N. Y. Coin-pocket attachment for envelopes, &c.	761,583	May 31	5946	1276	110	1392
Coler, Peter P., assignor to International Harvester Company, Chicago, Ill. Duplex grain-binder.	778,011	Dec. 20	3076	678 679	113	2122
Coles, William E., assignor to McRae & Keeler, Attleboro, Mass. Fastener.	769,208	Sept. 6	128	32	112	29
Coley, William I. (See Wiley and Coley.)						
Colglazier, Charles H., et al. (See Cross, Marion S., assignor.)						
Collin, Joseph, Axa, Ill. Rail-joint.	761,660	June 7	70	11	110	1453
Collin, Louis B., Johnstown, N. Y. Hose-coupling.	764,881	July 12	2012	415	111	457
Collin, Louis B., Johnstown, N. Y. Hose-coupling.	765,225	July 19	2655	552	111	611
Collar, Adoniram J., Yreka, Cal. Means for opening or closing water-gates.	773,849	Nov. 1	623	131	113	144
Collar, Adoniram J., Yreka, Cal. Means for operating water-gates.	776,727	Dec. 6	519	113	113	1541
Collet, Albert, Paris, France. Motor-vehicle for running on roads or rails.	768,515	Aug. 23	4863	1019 1020	111	2177
Colletas, Alfred J. B. M., Paris, France. Electrical accumulator.	762,803	June 14	2358	514	110	1968
Colley, Clayton D., Coeburn, Va. Wrench.	759,674	May 10	2307	454	110	516
Collier, Benjamin F., Priceville, Ala. Cultivator.	762,804	June 14	2359	514	110	1969
Collier, John W., Riverside, Cal. Turner for sheet music.	748,028	Jan. 5	946	200	108	220
Collier, Mary C., Washington, D. C. Closure attachment for cribs or the like.	766,668	Aug. 2	1088	226	111	1283
Collier, Robert B. (See Campbell, John W., assignor.)						
Collier, William E., Washington, D. C. Bed.	765,272	July 19	2741	571	111	630
Collier, William E., Washington, D. C. Bedstead.	771,811	Oct. 11	1170	261	112	1223
Collin, Carl, Offenbach, Germany. Apparatus for lacquering bottle-capsules or similar objects.	751,783	Feb. 9	1848	420	108	1468
Collin, George W. (See Ballard, Rantz, and Collin.)						
Colling, Charles J., Glenville, assignor to Cleveland Wire Spring Company, Cleveland, Ohio. Rack or cabinet-frame.	751,466	Feb. 9	1262	289	108	1344
Collingwood Brick Company. (See Fox, James E., assignor.)						
Collins, Arch D., Lawton, Va. Oak-lock.	750,812	Feb. 2	50	11	108	1068
Collins, Byron W., Evanston, Ill. Rig for sailing vessels.	758,171	Apr. 26	3905	848 849	109	2234
Collins, Charles B., Bentley, Kans. Horse-releaser.	777,004	Dec. 6	1084	296	113	1667
Collins, Charles F., Jr., assignor of forty-eight one-hundredths to C. M. Clarke, Pittsburgh, Pa. Lacing-hook.	765,129	July 12	2483	519	111	556
Collins, Emily L., New York, N. Y. Shaving-kit.	764,795	July 12	1842	378	111	419
Collins, Francis, et al. (See Steers, William, Sr., assignor.)						
Collins, George J. S. (See Strauss and Collins.)						
Collins, Horatio, Liverpool, England. Liquid-pump.	763,367	June 28	3497	763	110	2260
Collins, James J., Boston, Mass. Guard-rail for street-cars.	763,723	June 28	4169	908	110	2405
Collins, James M., Byesville, assignor to J. A. Jeffrey, Columbus, Ohio. Trolley road-crossing.	751,900	Feb. 9	2079	470	108	1521

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Collins, James R., Larchmont, N. Y. Manufacture of bags	749,424	Jan. 12	1789	377	108	423
Collins, James R., Larchmont, N. Y. Manufacture of bags	749,425	Jan. 12	1791	377	108	423
Collins, Jeremiah F., Brockton, Mass. Boot or shoe former	776,012	Nov. 29	5034	1061	113	1203
Collins, Jeremiah W., Sherrill, N. Y. Animal-trap	775,264	Nov. 15	3468	732	113	823
Collins, Lathrop H. (See Nagel, Theodore, assignor.)						
Collins, Norman, London, England. Machine for making tune-sheets of music	775,237	Nov. 15	3415	720	113	811
Collins, Patrick J., assignor, by mesne assignments, to R. J. Bourke, trustee, Scranton, Pa. Automobile	748,930	Jan. 5	724	157	108	164
Collins, Robert H., Toronto, Canada. Perpetual binder for books	770,711	Sept. 20	2999	637	112	708
Collins, Roy V., assignor to American Automatic Switch Company, New York, N. Y. Mechanical movement	754,050	Mar. 8	1656	369	109	381
Collins, Timothy F., Meriden, Conn. Music-roll	761,449	May 31	5719	1218	110	1341
Collins, William, Frazee, Minn. School furniture	766,020	July 26	4247	907	111	964
Collins, William, Frazee, Minn. Eraser-cleaner	778,170	Dec. 20	3379	743	113	2187
Collins, William A., Bloomfield, N. J. Dredge	778,634	Dec. 27	4312	942	113	2406
Collinson, Francis E., Wakefield, Mass. Apparatus for grinding and polishing toric lenses	761,061	May 31	4975	1054	110	1177
Collinson, Francis E., Wakefield, Mass. Aneroid barometer	763,659	June 28	4041	880	110	2378
Collinson, Frank J., Galva, Ill. Lubricator	764,972	Mar. 22	3503	767	109	817
Collis, Austin W., Brentwood, Cal. Threshing-machine	754,850	Mar. 15	3282	715	109	751
Collis, John, Des Moines, Iowa. Boiler	752,758	Feb. 23	3743	836	108	1924
Collis, John, Des Moines, Iowa. Circulating-valve	758,892	May 3	484	97	110	117
Collis, John, Des Moines, Iowa, assignor to W. P. Collis, New York, N. Y. Heating apparatus	763,724	June 28	4171	909	110	2406
Collis, John, Des Moines, Iowa, assignor to W. P. Collis, New York, N. Y. Steam-heating apparatus	777,184	Dec. 13	1420	315	113	1757
Collis, Norman P., Dubuque, Iowa. Sandpapering-machine	759,865	May 17	2589	541	110	616
Collis, William P. (See Collis, John, assignor.)						
Collom, Martin H., assignor of one-half to N. M. Tabor, Denver, Colo. Carpet-renovator	767,630	Aug. 16	3087	635	111	1750
Colford, Frank M., Hartford, Conn. Confectionery cooler	758,383	May 3	485	97	110	118
Colburn, George S., Hartford, Conn. Confectionery cooler	755,110	Mar. 22	3731	820	109	868
Colman, Howard D., Rockford, Ill. Knot-tying implement	754,564	Nov. 8	1971	429	113	455
Colman, James M., Port Townsend, Wash. Water-tube boiler	762,699	June 14	2129	454	110	1920
Colman, William R., Quincy, Ill. Baling-press	767,631	Aug. 16	3041	635	111	1751
Colman, William R., Quincy, Ill. Baling-press						
Colorado Iron Works Company. (See Fitts, Norman V., assignor.)						
Colorado Iron Works Company. (See Grant, William R., assignor.)						
Colorado Iron Works Company. (See Hopkins, Frank W., assignor.)						
Colquhoun, Edward, assignor of one-half to J. P. Platte, Grand Rapids, Mich. Bustle	776,115	Nov. 29	5216	1102	113	1244
Coltsman, Alfred. (See Prott, Carl, assignor.)						
Colt, William D. (See Niemeier and Godman, assignors.)						
Colter, Charles L., Decatur, Ind. Duplicating-machine	763,725	June 28	4173	909	110	2406
Colthar, William U., Springfield, assignor to W. J. Johnson, Yellow Springs, Ohio. Haplock	751,148	Feb. 2	669	154	108	1202
Colthar, William U., assignor to J. C. Gleason and J. B. von Schrititz, Springfield, Ohio. Electromagnetic signal	753,365	Mar. 1	263	59, 60	109	59
Colton, Albert R., Newark, N. J. Invisible lacing	752,926	Oct. 25	3452	749	112	1761
Colton, George A., Phoenix, N. Y. Food-cutter	760,779	May 24	4385	932	110	1033
Colton, George H., Hiram, Ohio. Support for radiators or the like	755,111	Mar. 22	3736	821	109	869
Coltrin, Robert B., Jackson, Mich. Cement-molding apparatus	757,093	Apr. 12	1764	381	109	1733
Coltrin, Robert B., Jackson, Mich. Cement-molding apparatus	757,094	Apr. 12	1757	382	109	1732
Colt's Patent Fire Arms Manufacturing Company. (See Bristol, Mortimer L., assignor.)						
Colt's Patent Fire Arms Manufacturing Company. (See Peard, James J., assignor.)						
Columbia Jewelry Company. (See Viano, Felix, assignor.)						
Columbia Nut & Bolt Company. (See Gibbs, Charles W., assignor.)						
Columbia Postal Supply Company. (See Ielfield, Fred C., assignor.)						
Columbia Pottery and Manufacturing Company. (See Kulow, William, assignor.)						
Columbia Pottery and Manufacturing Company. (See Waldmann, Henry C., assignor.)						
Columbia Voting Machine Company. (See Christensen, Christ, assignor.)						
Columbian Enameling and Stamping Company. (See Blankley, Frank H., assignor.)						
Columbian Hardware Company. (See Valentini, Harry J., assignor.)						
Colvin, Chase, South Charleston, Ohio. Fence-post	759,968	May 17	2778	582	110	660
Colvin, Cyrus W., Scranton, Pa. Separator	773,928	Nov. 1	799	168	113	184
Colvin, Edward J., Brister, Ark. Buckle	777,005	Dec. 6	1086	296	113	1667
Colvin, John E., Junction City, Kans. Gummed-strip-moistening machine	759,675	May 10	2208	454	110	516
Colwell, Nicholas H., Pawtucket, R. I., assignor to National Novelty Corporation, New York, N. Y. Pin	760,139	Aug. 30	6139	1283	111	2477
Colwell, William, Chillicothe, Ill. Threshing-machine	758,603	Apr. 26	4776	1028	109	2426
Colwell, William S., Chicago, Ill. Apparatus for condensing vaporous fluid	750,813	Feb. 2	51	11, 12	108	1068
Colwell, William S., Pittsburg, Pa. Cooler	775,238	Nov. 15	3418	721	113	812
Combined Liquid Tank & Freight Car Company. (See Bruce, Joseph H., assignor.)						
Combs, Gary L., P. Dayton, Ohio. Tap and reamer for fastening wrench	760,103	May 17	3051	638	110	721
Combs, James, assignor of one-half to G. W. Hirst, Louisville, Ky. Safety-fastening button	764,562	July 12	1373	280	111	317
Combs, Jonathan, Mount Pulaski, Ill. Gate	762,885	June 21	2533	549	110	2027
Comegys, Courtney B., Ashgrove, Mo. Flour-sifter	762,805	June 14	2366	515	110	1970
Comer, John J., Parkridge, Ill. Selective signaling apparatus	765,413	July 19	3020	633	111	690
Comer, Joseph M., et al. (See Stanley, Charles H., assignor.)						
Comins, Frank B., Sharon, assignor to American Moistening Company, Boston, Mass. Atomizer	750,260	Jan. 26	3414	739	108	808
Commercial Coffee and Trading Company. (See Hastings and Harrington, assignors.)						
Commercial Construction Company et al. (See Sindlingchristensen, Frederik, assignor.)						
Commercial Railway Equipment Company. (See Böhm, Ludwig K., assignor.)						
Commichau, Rudolf, Magdeburg-Sudenburg, Germany. Seed-drill	770,164	Sept. 13	1928	411	112	451
Commiskey, Charles A., Indianapolis, Ind. Domestic heater	750,606	Jan. 26	4073	882	108	950
Commonwealth Steel Company. (See Green, John, assignor.)						
Commonwealth Steel Company. (See Pulliam, Oswald S., assignor.)						
Commonwealth Steel Company. (See Westlake, Charles T., assignor.)						
Commoss, Joseph T., New York, N. Y. Stencil	754,281	Mar. 8	2090	464	109	474
Comp, Nelson, Hartford, Conn. Shoe-lace holder	754,851	Mar. 15	3284	715	109	732

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Compagnie des Moulins à Coudre de Coaticook. (See Tétrault, Amédée, assignor.)						
Compagnie du Carburateur Cludel. (See Cludel, Charles H., assignor.)						
Compagnie Duplex. (See Pagan, Louis, assignor.)						
Compagnie Générale de Phonographes, Cinématographes et Appareils de Précision. (See Ivatts, Ernest E., assignor.)						
Compagnie Internationale de l'Electro-Typographie Meray & Rozar. (See Wehrlin, Maurice, assignor.)						
Compagnie pour la Fabrication des Compteurs & Matériel d'Usines a'Gaz. (See Blanchet, Arthur, assignor.)						
Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Société Anonyme. (See Blanchet, Arthur, assignor.)						
Complete Book-Keeper Co. (See McCormick, Horace, assignor.)						
Comptograph Company. (See Felt, Dorr E., assignor.)						
Compton, James E., Lynn, Mass. Heat-concentrating attachment for cooking-stoves	764,882	July 12	2013	415	111	457
Compton, Melvin D., New York, N. Y. Prepayment apparatus	752,036	Feb. 16	2354	526	108	1599
Compton, Melvin D., New York, N. Y. Electric train-service	752,037	Feb. 16	2356	527	108	1599
Compton, Melvin D., New York, N. Y. Combination check, spreader, and pilot-light device	752,038	Feb. 16	2360	528	108	1600
Compton, Melvin D., New York, N. Y. Gas-lamp	752,039	Feb. 16	2361	528	108	1600
Compton, Melvin D., New York, N. Y. Shade-holder	752,040	Feb. 16	2362	528	108	1601
Compton, Melvin D., New York, N. Y. Burner for incandescent lights	752,041	Feb. 16	2363	529	108	1601
Compton, Melvin D., New York, N. Y. Wave-motor	756,833	Apr. 12	1237	276	109	1624
Compton, Melvin D., New York, N. Y. Motor-driven exhaustor and compressor	756,876	Aug. 9	1555	325	111	1405
Compton, Otto L., Union, Oreg. Gate	749,530	Jan. 12	2024	420	108	474
Compton, William H., Fargo, N. D. Machine for driving fence-posts	762,385	June 14	1486	324	110	1781
Compton, Zebedee. (See Bosworth, Daniel P., assignor.)						
Computing Scale Company. (See Hopkinson, Joseph, assignor.)						
Computing Scale Company. (See Koehne, Ira C., assignor.)						
Computing Scale Company of America. (See Hayden, Austin B., assignor.)						
Comstock, Alphonso S., Evanston, Ill. Pressure-regulated controlling device	767,138	Aug. 9	2074	430	111	1521
Comstock, Charles H., Indianapolis, Ind. Window-screen	766,597	Aug. 2	998	197	111	1250
Comstock, Edward F., Mechanicsburg, Pa. Head-covering or net	766,426	Aug. 2	561	119	111	1163
Comstock, Frederick E., Valparaiso, assignor of one-half to W. L. Dodd, Westville, Ind. Corn-planter	765,130	July 12	2485	519	111	556
Comstock, Frederick E., Valparaiso, assignor of one-half to W. L. Dodd, Westville, Ind. Seed-planter	778,475	Dec. 27	4013	873	113	2340
Conable, Edgar W. (See Brannon, Patrick P., assignor.)						
Conant, William C. (See Yost and Conant.)						
Conard, Johnson E., Heathsville, Ill. Rivet-extractor	777,006	Dec. 6	1087	236	113	1668
Conard, Waldo, Willockson, Ark. Bottle	756,939	Apr. 12	1441	320	109	1665
Conary, Hoyt L., Waltham, Mass. Fender for elevators	749,702	Jan. 5	286	65	108	63
Conde, Joseph, Philadelphia, Pa. Bottle-stopper	755,360	Mar. 22	4197	928	109	966
Conde, Joseph, Philadelphia, Pa. Bottle-making machine	778,209	Dec. 20	3451	759	113	2301
Conde, Joseph, assignor of three-fifths to H. C. Marshall and C. B. Halsall, Philadelphia, Pa. Machine for glazing tubes, &c.	760,104	May 17	3052	638	110	722
Condensed Pure Food Company. (See Harris, Gordon D., assignor.)						
Condict, George H., New York, N. Y., assignor, by mesne assignments, to Morton Trust Company, trustee. Apparatus for loading motor-vehicles	772,030	Oct. 11	1640	367	112	1325
Condict, Nathan W., Jersey City, N. J. Coil for stills for absorption refrigeration	772,339	Oct. 18	2277	499	112	1488
Condit, Edward A., Jr., Newark, N. J., assignor to Continuous Rail Joint Company of America. Insulated rail-joint	767,206	Aug. 9	2212	460	111	1549
Condit, Sears B., Jr. (See Elden, Leonard L., assignor.)						
Condon, Daniel E., San Francisco, Cal. Elevator	755,361	Mar. 22	4198	928	109	967
Condon, Henry F., Dekalb, Ill. Pipe-bending machine	749,029	Jan. 5	949	200	108	220
Condon, Samuel E., New York, N. Y. Screw-driver	762,280	June 14	1283	276	110	1739
Condren, Hugh, Vancouver, Canada. Stovepipe-ventilator	771,636	Oct. 4	835	141	112	1094
Cone, Dorwin W., Toledo, Ohio, and D. N. Perry, Wyandotte, Mich. Engine-governor	755,564	Mar. 22	4555	1013	109	1042
Cone, George C., assignor to Ohio Steel Wheel-Barrow Company, Toledo, Ohio. Wheel-barrow-frame	758,824	May 3	487	97	110	113
Cone, William E., Memphis, Mo. Lightning-arrester	749,426	Jan. 12	1792	378	108	424
Coney, James D. (See Olmstead and Coney.)						
Coney, James D., and W. H. Olmstead, Detroit, Mich. Garment-hanger	756,588	Apr. 5	762	165	109	1504
Confectioners and Bakers Supply Co. (See Blair, James E., assignor.)						
Confectioners and Bakers Supply Co. (See Dickson, George F., assignor.)						
Congdon, Peleg J., Cranston, R. I. Lacing	748,703	Jan. 5	288	65	108	64
Conger, Charles A., Oakland, Cal. Shoe-lace fastener	756,940	Apr. 12	1442	320	109	1666
Conger, Milton M., Linneus, Mo. Rotary motor	767,327	Aug. 9	2214	461	111	1549
Conklin, Edward D., assignor to Whitehead & Hoag Company, Newark, N. J. Bottle-stopper	767,632	Aug. 16	3044	636	111	1732
Conklin, George E., Waverly, Kans. Wire fence	761,286	May 31	5416	1151	110	1371
Conklin, Joseph, Philadelphia, Pa. Time gas-lighting apparatus	751,381	Feb. 2	1124	235	108	1237
Conklin, Roy, Toledo, Ohio. Self-filling fountain-pen	756,778	Apr. 5	1122	246	109	1583
Conking, Nannie B. (See Lee and Conking.)						
Conley, Harry, St. Louis, Mo. Identification device	759,866	May 17	2591	541	110	616
Conley, Michael R., New York, N. Y. Electric coke-oven	763,368	June 28	3490	754	110	2260
Conley, Michael R., New York, N. Y. Making coke	763,369	June 28	3492	754	110	2260
Conley, Michael R., assignor to Electric Furnace Company, New York, N. Y. Electric furnace	769,250	Sept. 6	223	53	112	49
Conlin, Frederick. (See Franklin, William S., assignor.)						
Conlon, Charles H., Galveston, Tex. Non-refillable bottle	775,166	Nov. 15	3219	688	113	758
Conly, Le Roy G., assignor of one-half to P. M. Landis, Rochester, N. Y. Attachment for printers' chases	753,671	Mar. 1	873	198	109	189
Conn, Charles A., Pittsburg, Pa. Oil-filter. (Reissue)	12,272	Oct. 11	2250	494	112	1461
Conn, Joseph C., Bonton, N. J. Belt-fastener	767,473	Aug. 16	2714	570	111	1678
Connan, Charles A., Los Angeles, Cal. Carpet-sewing machine	771,793	Oct. 4	1130	252	112	1200

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Conneaut Can Company. (See Truesdale, Harry A., assignor.)						
Connecticut Trust and Safe Deposit Company <i>et al.</i> (See Parkhurst, Edward G., assignor.)						
Connecticut Web Company. (See Cleary, Edward, assignor.)						
Connecticut Web Company. (See Neuberger, Louis, assignor.)						
Connell, A. T., <i>et al.</i> (See Connell, William T., assignor.)						
Connell, John F., Los Angeles, Cal. Device for opening or closing doors or gates.....	760,780	May 24	388	1932	110	1034
Connell, John F., Los Angeles, Cal. Device for opening and closing doors.....	773,531	Oct. 25	4878	1029	112	2080
Connell, John F., assignor of one-half to W. H. Stimson, Los Angeles, Cal. Apparatus for supplying hot water and steam.....	748,845	Jan. 5	551	127	108	125
Connell, John H., Charleston, W. Va. Meter.....	767,328	Aug. 9	2418	507	111	1594
Connell, John J., administrator. (See Southern, James.)						
Connell, Samuel. (See Kurtha, Hans, assignor.)						
Connell, Smith A., Sr., assignor of one-half to Smith A. Connell, Jr., East Las Vegas, N. Mex. Ter. Surgical knife.....	756,213	Apr. 5	38	9	109	1351
Connell, William J., Fairmont, W. Va. Catch-basin.....	762,690	June 14	2132	464	110	1920
Connell, William J., Fairmont, W. Va. Receptacle.....	772,787	Oct. 18	3175	990	112	1681
Connell, William J., Fairmont, W. Va. Attachment for work-benches.....	759,077	May 3	975	197	110	222
Connell, William W., Glasgow, Scotland. Check-till for shops.....	767,633	Aug. 16	3046	636	111	1752
Connolly, Henry A., <i>et al.</i> (See Bradley, John M., assignor.)						
Connolly, John T., Manchester, England. Self-acting mule and twiner.....	754,973	Mar. 22	3505	767	109	817
Conner, Charles C., and T. Grimmer, New York, N. Y. Paste fastening for rugs or carpets.....	778,742	Dec. 27	4490	993	113	2446
Conner, Charles W., Indianapolis, Ind., assignor to G. J. Kirby, Providence, R. I. Eye-glass-holder.....	760,958	May 24	4738	1008	110	1107
Conner, George F., Port Huron, Mich. Valve-gear for engines.....	748,931	Jan. 5	736	158	108	164
Conner, George F., Port Huron, Mich. Threshing-machine.....	749,531	Jan. 12	2025	421	108	474
Conner, George F., Port Huron, Mich. Corn husker and shredder.....	756,098	Jan. 29	5626	1242	109	1297
Conner, George F., Port Huron, Mich. Conveyor-chute.....	761,761	June 7	278	55	110	1499
Conner, James B., assignor of one-half to F. B. Aiman, Pendleton, Ind. Belt-stretcher.....	757,272	Apr. 12	2097	457	109	1806
Conner, Lendell A., (See Altenbaugh and Conner.)						
Conner, Lendell A., Jr., and C. E. Oechger, Pittsburgh, Pa. Plunger-elevator.....	773,473	Oct. 25	4729	998	112	2046
Conner, Lloyd, Caro, Mich. Composition for blackboards.....	761,948	June 7	659		110	1584
Conner, Louis S., (See Genge and Conner.)						
Conner, Merritt S., Chicago, Ill. Spring-jack for telephone-switchboards.....	756,331	Apr. 5	274	57	109	1401
Conner, William E., assignor of one-half to W. Bostedo, Braddock, Pa. Window-lock.....	762,616	June 14	1980	427	110	1886
Conner, William S., Minneapolis, Minn. Vending-machine.....	749,260	Jan. 12	1446	319	108	350
Connors, William J. (See Kimball and Connors.)						
Connington, Thomas W., Parnassus, assignor to American Glass Bending Company, Limited, New Kensington, Pa. Apparatus for bending glass.....	760,959	May 24	4737	1009	110	1107
Connolly, Henry J., and W. D. Montgomery, Salem, W. Va. Drilling-tool joint.....	756,476	Apr. 5	574	120	109	1463
Connolly, Joseph B., (See Connolly, Thomas A. and J. B.)						
Connolly, Thomas A. and J. B., Washington, D. C. Sound-reproducing record and making same.....	749,030	Jan. 5	951	201	108	221
Connolly, Thomas A. and J. B., Washington, D. C. Making sound-records.....	773,532	Oct. 25	4680	1080	112	2080
Connolly, Thomas J. (See Carter, John, assignor.)						
Connolly, William E., and J. P. Weidlein, Allegheny, Pa. Manufacturing car-wheels.....	760,960	May 24	4738	1009	110	1107
Connor, Anthony O., Lombardy, Canada. Potato-digger.....	760,425	May 24	3648	771	110	870
Connor, Sydney S., Amite City, La. Hand-grenade.....	760,614	May 24	4030	857	110	957
Connsteln, Wilhelm, assignor to Vereinigte Chemische Werke Actien-Gesellschaft, Charlottenburg, Germany. Making fatty acids.....	762,026	June 7	802		110	1612
Conover, Charles F., New York, N. Y. Water-cooler.....	773,012	Dec. 20	3089	679	113	2125
Conover, Jacob B., Jersey City, N. J. Milk-can.....	762,884	June 21	2535	550	110	2027
Conover, John H., Pawnee City, Neb. Ice implement.....	771,419	Oct. 4	412	92	112	1045
Conover, William W., Toronto, Canada. Watch-regulator.....	756,589	Apr. 5	763	168	109	1504
Conrad, Clarence, Toluca, Ill. Wrench.....	774,310	Nov. 8	1497	321	113	354
Conrad, Frank, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Prepayment electrical measuring instrument.....	757,439	Apr. 19	2455	537	109	1897
Conrad, Frank, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current wattmeter.....	760,426	May 24	3651	772	110	871
Conrad, Fredrick G., Louisville, Ky. Rail-joint.....	771,716	Oct. 4	970	217	112	1167
Conrad, Harry E., Nanty Glo, Pa. Hair-clipper.....	771,717	Oct. 4	970	212	112	1167
Conrad, John, Baltimore, Md. Non-refilling bottle.....	761,661	June 7	71	11	110	1433
Conrad, Martin, Chicago, Ill. Vehicle wheel and axle.....	774,415	Nov. 8	1685	361	113	395
Conrad, Otto, <i>et al.</i> (See Phifer, Washington I., assignor.)						
Conrader, Rudolph, Erie, Pa. Mechanism for actuating fluids.....	770,518	Sept. 20	2631	557	112	627
Conrader, Rudolph, Erie, Pa. Pump-governor.....	775,391	Nov. 22	3742	798	113	901
Conrader, Rudolph, Erie, Pa. Regulator.....	775,392	Nov. 22	3747	794	113	908
Conrader, Rudolph, Erie, Pa. Regulator for compressors or the like.....	775,393	Nov. 22	3752	794	113	905
Conran, William M., Marshall, Iowa. Emergency fire-screen.....	767,570	Aug. 16	3485	377	111	1548
Courath, George A., Blairville, Pa., assignor to Penn Enamel-Ware Co. Device for ramming sand cores.....	755,620	Mar. 29	4687	1042	109	1098
Conrath, Henry J., and B. Baker, Marietta, Ohio. Track-fastener.....	766,598	Aug. 2	989	198	111	1250
Conroy, Frank M., Fonda, Iowa. Farm-gate.....	756,332	Apr. 5	275	57	109	1402
Conroy, Frank M., Fonda, Iowa. Side-delivery hay-rake.....	766,669	Aug. 2	1090		111	1283
Conroy, George L., (See Douglas and Conroy.)						
Conroy, John M., Allegheny, Pa. Support for mirrors.....	752,958	Feb. 23	4175	980	108	2021
Conside, Armand G., Paris, France. Arrangement for reinforced concrete construction.....	752,923	Feb. 16	3275	730	108	1803
Consolidated Car-Heating Company. (See McElroy, James F., assignor.)						
Consolidated Dental Manufacturing Company. (See Hardy, James F., assignor.)						
Consolidated Engine Stop Company. (See Cary, James H., assignor.)						
Consolidated Fastener Company. (See Devine, William P., assignor.)						
Consolidated Gas Company. (See Clark, William J., assignor.)						
Consolidated Hardware Company. (See Adams, William T., assignor.)						
Consolidated Investors' Corporation. (See Lawrence, Robert S., assignor.)						
Consolidated Press and Tool Company. (See Walsh, Harry C. H., assignor.)						
Consolidated Wireless Telegraph and Telephone Company <i>et al.</i> (See Shoemaker, Harry, assignor.)						
Constantine Casket Company. (See Greensides, Llewellyn, assignor.)						
Contal, Camille, Paris, France. Ratchet screw-key.....	751,055	Feb. 2	499	116	108	1163

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Contardo, Ramón C., Sèvres, France. Electric furnace.....	750,753	Jan. 26	4377	{ 945 946	108	1020
Continental Car and Equipment Company. (See Boyle, McKinley, assignor.)						
Continental Paper Bag Company. (See Pippert, Willis, assignor.)						
Continental Rubber Company. (See Lawrence, William A., assignor.)						
Continental Tobacco Company. (See Areuts, George, Jr., assignor.)						
Continuous Metal Refining Company. (See Talbot and Gredt, assignors.)						
Continuous Rail Joint Co. of America. (See Charlton, Richard B., assignor.)						
Continuous Rail Joint Company of America. (See Allen, John H., assignor.)						
Continuous Rail Joint Company of America. (See Condit, Edward A., Jr., assignor.)						
Controller Company of America. (See Jacob, Rudolph W., assignor.)						
Controller Company of America. (See Scott, William H., assignor.)						
Converse, Francis B., Jr., Louisville, Ky., assignor to Converse Manufacturing Com- pany, Cleveland, Ohio. Justifying mechanism.....	749,720	Jan. 19	2394	{ 506 507	108	571
Converse, Francis B., Jr., assignor to Converse Manufacturing Company, Cleveland, Ohio. Type-setting machine.....	749,773	Jan. 19	2505	538	108	596
Converse Manufacturing Company. (See Converse, Francis B., Jr., assignor)						
Converse, Maschil D., Newark, N. J. Tool-handle.....	758,825	May 3	488	97	110	118
Convertible Cane Seat Manufacturing Company. (See Rogers, Charles S., assignor.)						
Conway & Company. (See Conway, Michael R., assignor.)						
Conway, Edward A. (See Hoffmann, Albert von, assignor.)						
Conway, Llewellyn L., assignor of one-half to Louisville Soap Company, Louisville, Ky. Machine for stamping soap, &c.....	755,362	Mar. 22	4201	{ 929 930 931	109	968
Conway, Michael R., Cincinnati, Ohio, assignor to Kisinger-Ison Company. Motor.....	774,867	Nov. 15	2618	{ 561 562	113	619
Conway, Michael R., assignor to Kisinger-Ison Company, Cincinnati, Ohio. Steam-en- gine.....	774,868	Nov. 15	2620	{ 562 563	113	619
Conway, Michael R., assignor to Conway & Company, Cincinnati, Ohio. Friction-clutch.	776,644	Dec. 6	350	75	113	1505
Conway, Robert H. (See Redmon, Hall, and Conway.)						
Conway, Thomas J., New York, N. Y. Hammock.....	759,240	May 10	1363	272	110	330
Conybear, Nicolas G., et al. (See Saxler, Nicolas A., assignor.)						
Cook, Adam, et al. (See Brock, George F., assignor.)						
Cook, Adolphus H., and C. R. Almira, and W. H. Hood, Hagerman, Canada. Fence-post.	757,026	Apr. 12	1626	354	109	1703
Cook, Benjamin W., Ingersoll, Mich. Clevis.....	753,366	Mar. 1	266	60	109	60
Cook, Charles J. and G. H., St. Paul, Minn. Extension-table.....	771,232	Oct. 4	22	4	112	965
Cook, Charles L., Louisville, Ky. Shaft liquid-seal packing.....	776,296	Nov. 29	4561	1178	113	1223
Cook, Charles L., Louisville, Ky. Road-packing.....	778,635	Dec. 27	4322	943	113	2410
Cook, Chester B. (See Cook and Hood.)						
Cook & Company, S. A. (See Bowen, George A., assignor.)						
Cook, Daniel S., assignor of one-half to F. Grote, Evansville, Ind. Motor for pneumatic/ flue-welding machines.....	778,116	Dec. 20	3283	{ 721 722	113	2165
Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Folding and transportable elevator.....	766,812	Aug. 9	1420	296	111	1376
Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Port- able screen-bin.....	770,353	Sept. 20	2327	491	112	561
Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Bin- chute gate and operating mechanism.....	778,306	Dec. 27	3660	799	113	2265
Cook, Edgar H., New York, N. Y. Weighing-machine.....	753,548	Mar. 1	637	{ 144 145	109	140
Cook, Edmond R., Chicago, Ill. Acetylene-gas generator.....	775,700	Nov. 22	4407	930	113	1048
Cook, Edward L. (See Peters, William A., assignor.)						
Cook, Eliza D. (See Kinsley, William S., assignor.)						
Cook, Eugene, and J. Miller, Baltimore, Md. Shaft-support.....	762,027	June 7	804	164	110	1612
Cook, Everett, Portland, assignor of one-fourth to D. Pray, Shapleigh, Me. Boiler-brace.	750,607	Jan. 26	4075	882	108	950
Cook, Frank B. (See Pitts, Claude R., assignor.)						
Cook, Frank B., Chicago, Ill. Door-hanger.....	750,608	Jan. 26	4076	882	108	951
Cook, Frank B., Chicago, Ill. Cross-arm brace.....	752,655	Feb. 23	3550	792	108	1883
Cook, Frank B., Chicago, Ill. Traveling hanger.....	762,281	June 14	1284	276	110	1739
Cook, Frank B., Chicago, Ill. Protective device for electrical circuits.....	774,158	Nov. 8	1230	261	113	292
Cook, Frank B., Chicago, Ill. Cross-arm brace.....	774,159	Nov. 8	1232	261	113	293
Cook, Frank B., Chicago, Ill. Self-soldering thermal protector.....	774,160	Nov. 8	1225	261	113	293
Cook, Frank B., Chicago, Ill. Self-soldering heat-coil.....	776,218	Nov. 29	5420	1149	113	1291
Cook, Frank M., Goshen, Ind. Rack for horse-collars.....	752,203	Feb. 16	2660	589	108	1608
Cook, George H. (See Cook, Charles J. and G. H.)						
Cook, George W., et al. (See Pettie, John W., assignor.)						
Cook, Henry F., San Harbor, N. Y. Chair.....	759,676	May 10	2210	455	110	516
Cook, Henry J., Philadelphia, Pa., assignor of three-fourths to W. S. Dilks, F. A. Sher- win, Mullica Hill, N. J., and D. Barton, Philadelphia, Pa. Safety appliance for eleva- tors.....	770,560	Sept. 20	2713	574	112	646
Cook, Jerome Q. (See Seibt and Cook.)						
Cook, John A. (See Anderson, Charles H., assignor.)						
Cook, John C. (See Clifford, William P., assignor.)						
Cook, Mark, et al. (See Welbourn, Josiah M., assignor.)						
Cook, Menzo F., Flint, Mich. Fishing-gaff.....	763,726	June 28	4175	909	110	2406
Cook, Miller, Whitman, Mass. Shoe-tip gage.....	778,171	Dec. 20	3380	743	113	2187
Cook, Ott, assignor to J. R. and J. S. McGlashan, Chicago, Ill. Sickle and sickle-bar.....	778,404	Dec. 27	3866	842	113	2310
Cook, Robert F., San Francisco, Cal. Lifting-jack.....	751,613	Feb. 9	1537	349	108	1403
Cook, Roland T., North Little Rock, Ark. Attachment for cotton-seed cleaners.....	769,251	Sept. 6	226	53	112	49
Cook, Samuel. (See Chambers and Cook.)						
Cook, Thomas J., Searies, Ala. Cable-grip.....	757,724	Apr. 19	3037	660	109	2024
Cook, W. L. (See Dutton, Burton M., assignor.)						
Cook, Willard J., Dexter, Iowa. Threshing-machine tooth.....	750,091	Jan. 19	3112	669	108	724
Cook, William, New York, N. Y. Feed-bag.....	761,662	Aug. 7	72	12	110	1454
Cook, William J., Sun River, Mont. Hay raker and loader.....	768,516	June 23	4865	1020	111	2177
Cooke, Albert D., Philadelphia, Pa. Car-window guard or shield.....	753,044	Feb. 23	4398	965	108	2058
Cooke, Daniel J., et al. (See Goodman, Henry E., assignor.)						
Cooke, Daniel J., assignor of two-thirds to J. White, Paterson, and H. E. Goodman, Dun- dee Lake, N. J. Combined shade-roller bracket and curtain-pole support.....	758,419	Apr. 26	4422	950	109	2347
Cooke, Daniel S., assignor of one-half to C. J. Walter, Los Angeles, Cal. Non-refillable bottle.....	758,398	Apr. 26	4185	901	109	2296
Cooke, George K., Jamaica, N. Y. Faucet.....	763,263	June 21	3259	703	110	2187
Cooke, Henry J., New York, N. Y., assignor of one-half to A. Klipstein and Company, East Orange, N. J. Oxidizing sulfur dye.....	769,059	Aug. 30	6001	-----	111	2447
Cooke, John C. (See Popham and Cooke.)						
Cooke, Philip P. (See Lord and Cooke.)						
Cooke, Robert W., Condon, Oreg. Brake-lever attachment.....	753,549	Mar. 1	645	146	109	142

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Cookingham, De Witt C., assignor of one-half to J. H. Hertner, Cleveland, Ohio. Electric-brush holder	732,376	Feb. 16	2999	668	108	1745
Cooleene Company. (See Lord, Harry G., assignor.)						
Cooley, Amos S. (See Chapman, Albert C. L., assignor.)						
Cooley, Arthur P. (See Mills, Luke, assignor.)						
Cooley, George T., Oronogo, assignor of one-half to G. H. Elmore, Joplin, Mo. Jig-tank.	755,749	Mar. 29	4943	1100	109	1145
Cooley, Mortimer E., Ann Arbor, Mich. Vibratory drier	750,262	Jan. 26	3423	740	108	811
Cooley, Mortimer E., Ann Arbor, Mich. Vacuum-wringer	761,878	June 7	541	108	110	1561
Cooley, William H., Brockport, N. Y. Brake for vehicles	750,261	Jan. 26	3416	739	108	809
Cooley, William H., Brockport, N. Y. Camera	753,124	Feb. 23	4475	996	108	2088
Cooley, William H., Brockport, N. Y. Brake for vehicles	756,000	Mar. 29	5443	1203	109	1257
Cooley, William H., Brockport, N. Y. Photographic camera	774,565	Nov. 8	1973	429	113	455
Cooley, William I., Saltville, Va. Rotary engine	750,169	Jan. 19	3249	701	108	754
Coomber, James, assignor of three-fourths to J. Caldwell, H. E. Wood, and A. C. Gifford, New York, N. Y. Cushion-tire	749,845	Jan. 19	2639	564	108	624
Coombs, Charles A., Natick, Mass. Carton-machine	750,814	Feb. 2	54	12	108	1069
Coombs, Minnie B. (See Coombs and O'Connell, assignors.)						
Coombs, Reginald. (See Manderson and Coombs, assignors.)						
Coombs, William F. (See Manderson and Coombs, assignors.)						
Coombs, William M., and C. C. O'Connell, said Coombs assignor to M. B. Coombs, San Francisco, Cal. Cigar cutter and lighter	753,672	Mar. 1	877	198	109	190
Coon Brothers. (See Coon, David B., assignor.)						
Coon, David B., assignor to Coon Brothers, Troy, N. Y. Neckband for shirts	762,145	June 7	1017	211	110	1659
Coon, George C., Elizabeth, N. J. Soap-tray	750,815	Feb. 2	55	12	108	1069
Coon, Horace W., Coacoma, Tex. Screen for potato-diggers	760,961	May 24	4741	1010	110	1108
Coon, Newton W., Alba, Mich. Garden-tool	766,933	Aug. 9	1673	351	111	1433
Coon, Uri G., Ridgeway, N. Y. Gate	777,333	Dec. 13	1704	376	113	1821
Coon, Willis H., et al. (See Widdicombe, James H., assignor.)						
Cooney, Asa C. (See Woolley, Leonidas G., assignor.)						
Cooney, John M., Racine, Wis., assignor to Mergenthaler Linotype Company. Linotype-machine	756,477	Apr. 5	575	120	109	1464
Cooney, John M., and H. L. Totten, Sherman, Tex., assignors to Mergenthaler Linotype Company. Linotype-distributor	759,501	May 10	1880	378	110	446
Cooney, Mamie L., New Orleans, La. Mud-guard	777,244	Dec. 13	1529	389	113	1781
Cooper, Albert N., Darby, Mont. Vehicle-axle	774,042	Nov. 1	1014	216	113	229
Cooper, Arthur W., assignor of one-half to J. A. Kinsey, Chicago, Ill. Releasing device for fireproof windows	764,918	July 12	2099	434	111	476
Cooper, Augustus S., Oakland, Cal. Pile-protector	749,920	Jan. 29	2785	585	108	657
Cooper, Augustus S., Oakland, Cal. Pile-strengtheners	749,957	Jan. 19	2851	609	108	670
Cooper, Augustus S., Oakland, Cal. Obtaining gas from wells	758,045	Feb. 23	4340	965	108	2059
Cooper, Charles. (See Barratt, William T., assignor.)						
Cooper, Charles. (See Barratt and Sibbald, assignors.)						
Cooper, Charles. (See Hurley and Sibbald, assignors.)						
Cooper, Charles. (See Sibbald, Charles J., assignor.)						
Cooper, Charles, Mangatoki, New Zealand. Apparatus for weighing liquids	770,676	Sept. 20	2933	623	112	696
Cooper, Charles B., New Brighton, assignor of two-thirds to D. Kleintop and C. H. Herbert, Allentown, Pa. Sanding device	772,218	Oct. 11	2026	445	112	1409
Cooper, Charles C., Allegheny, Pa. Vehicle-top	765,066	July 12	2382	495	111	533
Cooper, Charles F., Leytonstone, England. Toe-clip for bicycle-pedals	769,940	Sept. 13	1535	327	112	363
Cooper, Clinton D., St. Louis, Mo. Scenic railway	777,497	Dec. 13	2020	446	113	1889
Cooper, Daniel M. (See Hagen and Cooper.)						
Cooper, Earl, Washington, W. Va. Shade-holder	761,947	June 7	660	133	110	1584
Cooper, Ernest H., and C. Schütz, Philadelphia, Pa. Sewing-machine	751,056	Feb. 2	501	117	108	1169
Cooper, Ernest H., and C. Schütz, Philadelphia, Pa. Sewing-machine	751,057	Feb. 2	504	117	108	1170
Cooper, Francis E., Waterloo, England. Paving-block	756,333	Apr. 5	279	58	109	1403
Cooper, Frederick G., New Haven, Conn. Furnace	771,420	Oct. 4	413	92	112	1045
Cooper, George W., Allegheny, Pa. Vehicle-top	760,962	May 24	4742	1010	110	1108
Cooper, George B., Allegheny, Pa. Wrench	760,963	May 24	4744	1010	110	1108
Cooper-Hampton Electric Company. (See Manley, Charles M., assignor.)						
Cooper, Henry R., Sr., Butler, Pa. Paint-sprayer	749,774	Jan. 19	2508	533	108	597
Cooper, Henry S., executor. (See Kelley, Edward S., assignor.)						
Cooper Hewitt Electric Company. (See Baker, James R., assignor.)						
Cooper Hewitt Electric Company. (See Denny, Charles W., assignor.)						
Cooper Hewitt Electric Company. (See Flechtner, Stanwood E., assignor.)						
Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)						
Cooper Hewitt Electric Company. (See Potter, Henry N., assignor.)						
Cooper Hewitt Electric Company. (See Beckinghausen, Max von, assignor.)						
Cooper Hewitt Electric Company. (See Rogers, Nelson W., assignor.)						
Cooper Hewitt Electric Company. (See Thomas, Percy H., assignor.)						
Cooper, I. D., et al. (See Cornish, Harry B., assignor.)						
Cooper, Isaac M., Glenelder, Kans. Grain separator and cleaner	765,701	July 26	3607	767	111	890
Cooper, James D., and M. Hale, Toronto, Canada. Slipper-sole	773,850	Nov. 1	635	132	113	145
Cooper, John. (See Cooper, Robert and J.)						
Cooper, John C., Baltimore, Md. Car-fender	760,781	May 24	4339	933	110	1084
Cooper, John E., Silvertown, London, England. Antifriction mechanism as applied to the axle-shafts of carriages or vehicles	764,427	July 5	1059	216	111	235
Cooper, John E., Stratford, London, England. Antifriction mechanism as applied to bogie-trucks of railway-cars or similar vehicles	764,428	July 5	1060	216	111	235
Cooper, John E., Stratford, England. Journal-box	769,130	Aug. 30	6140	1284	111	2473
Cooper, John Y., Nashville, Tenn. Harrow or cultivator tooth	751,263	Feb. 2	918	209	108	1252
Cooper, Kenton, East Highlands, Cal. Holder for fruit-wrapping papers	768,045	June 21	2831	614	110	2092
Cooper, Lonzo J., Kennedy, assignor to American Laundry Machinery Company, Norwood, Ohio. Ironing-machine	766,221	Aug. 2	140	27,28	111	1071
Cooper, Lonzo J., Kennedy, assignor to American Laundry Machinery Company, Norwood, Ohio. Shirt-ironing table	766,222	Aug. 2	145	28	111	1072
Cooper, Lyman M., assignor to A. E. Stever, Owosso, Mich. Ratchet-drill	765,308	July 19	2816	587	111	646
Cooper, Madison, Minneapolis, Minn. Cold-storage apparatus	754,749	Mar. 15	3074	671	109	707
Cooper, Maxey C., Selma, Ala. Painting-brush	753,125	Feb. 23	4477	967	108	2089
Cooper, Michael. (See Magul and Cooper.)						
Cooper, Perry L. (See Ring and Cooper.)						
Cooper, Richard H. L., St. Louis, Mo. Concrete-mixing machine	773,375	Oct. 25	4515	955	112	2001

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Cooper, Robert and J., Saltsburg, Pa. Electric igniter for gas-engines	773,062	Oct. 25	3792	810	112	1838
Cooper, Thomas, Kiddermister, England, assignor to Crompton and Knowles Loom Works, Worcester, Mass. Stop-motion for winding-machines	756,001	Mar. 29	5452	1303	109	1260
Cooper, Warren E., Ithaca, N. Y. Shaving-cup	776,645	Dec. 6	833	76	113	1507
Cooper, William, Denver, Colo. Emergency-valve	752,304	Feb. 16	2660	590	108	1669
Cooper, William A. (See Best, William N., assignor.)						
Cooper, William F. (See Sharps and Cooper.) (Reissue.)						
Cooper, William F., Jr., Chicago, Ill., assignor to Cable Company. Pedal-stop action for automatic piano-players	754,750	Mar. 15	3077	672	109	707
Cooper, William F., Jr., and H. E. Sharps, Chicago, Ill., assignors to Cable Company. Winding device for automatic musical-instrument motors	757,095	Apr. 12	1760	382	109	1733
Cooper, William F., Jr., and H. E. Sharps, Chicago, Ill., assignors to Cable Company. Reversing and speed-regulating device for musical-instrument controlling-sheets	764,352	July 5	899	183	111	197
Cooper, William R., East St. Louis, Ill. Trolley	774,043	Nov. 1	1015	217	113	229
Cope, Bert. (See Cornelius, Egbert, assignor.)						
Cope, George W. (See Moore and Cope.)						
Cope, Joseph H., New Windsor, assignor of two-thirds to H. Teller, Windsor, and W. H. Rice, Greeley, Colo. Hay-stacker	769,590	Sept. 6	869	186 187	112	196
Cope, Troy, New Waterford, Ohio. Switch	749,261	Jan. 12	1449	310	108	351
Copeland Boot and Shoe Treeing Company. (See Ballard, Harrie A., assignor.)						
Copeland, David W., and J. R. Montague, Syracuse, N. Y. Car-brake	749,169	Jan. 12	1255	270 271	108	308
Copeland, Edwin T., Newton, Mass. Boiler	774,832	Nov. 15	2544	547	113	602
Copeland, Herschel P. (See Villard and Copeland.)						
Copeland, Ira, Newton, Mass. Railway-spike	768,517	Aug. 23	4866	1020	111	2178
Copeland, James C., Pottsville, Pa. Garment-supporter	771,718	Oct. 4	973	217	112	1167
Copeland, James C., Pottsville, Pa. Garment-supporter	771,719	Oct. 4	975	218	112	1168
Copeland, James C., Pottsville, Pa. Coll.-control apparatus	777,402	Dec. 13	1899	406	113	1850
Copeland, James C., assignor of one-fourth to B. W. Cumming, Jr., Pottsville, Pa. Vending apparatus	777,603	Dec. 13	2250	494 495	113	1937
Copeland, James C., assignor of one-half to B. W. Cumming, Jr., and B. E. Kingsley, Pottsville, Pa. Stamp-vending machine	771,767	Oct. 4	1071	240	112	1188
Copeland, James S., Hartford, Conn., assignor to Pope Manufacturing Company, Jersey City, N. J. Motor-cycle	764,113	July 5	405	78, 79	111	88
Copeland, Royal S., trustee. (See Reed, Ernest D., assignor.)						
Copeland, William, Strong City, Kans. Washbench	755,621	Mar. 29	4688	1042 1043	109	1086
Copeman, Thorn, Essex, assignor of two-thirds to T. W. Brooke, Windsor, and J. Waite, McGregor, Canada. Ladder and scaffold support	754,427	Mar. 15	2441	532	109	568
Copenhaver, William E. (See Deards, Copenhaver, and Adelsperger.)						
Copley, Ariel B., Des Moines, Iowa. Portable and adjustable stock-chute	753,838	Mar. 1	1237	278	109	266
Coppens, Peter J., Grand Rapids, Mich. Stove	752,144	Feb. 16	3552	568	108	1643
Coppens, Peter J., Grand Rapids, Mich. Heating-stove	755,277	Mar. 22	4037	856	109	830
Coppins, Otto J., Hobart, Ind. Attachment for screen-doors, &c.	774,381	Nov. 8	1577	337	113	372
Cople, James A., Leecompton, Kans. Dam and constructing same	764,429	July 5	1061	217	111	236
Coppock, Edgar M., Chester, Pa. Detachable calk or creeper for horseshoes	762,806	June 14	2367	515	110	1970
Coppridge, Joel A., assignor of three-fourths to P. Williamson, Roanoke, Va. Hot-water heater	769,692	Sept. 6	1041	224	112	238
Coradino, Dominick, Jersey City, N. J. Oil-burner	752,042	Feb. 16	2365	520	108	1601
Coran, William H., Baltimore, Md. Strap attachment	758,686	Dec. 27	4323	943	113	2410
Corbett, Clark L., St. Paul, Minn. Flame-fastener	761,209	May 31	5250	1113	110	1236
Corbett, George H. (See Relyea, Charles H. W., assignor.)						
Corbett, Henry R. (See Nostrand and Corbett.)						
Corbin Cabinet Lock Company. (See Johnson, Charles E., assignor.)						
Corbin Cabinet Lock Company. (See Townsend, Harry P., assignor.)						
Corbin Motor Vehicle Corporation. (See Bogart, Fred H., assignor.)						
Corbin Motor Vehicle Corporation. (See Darstaedt, Frederick W., assignor.)						
Corbin Motor Vehicle Corporation. (See Jones, James H., assignor.)						
Corbin Motor Vehicle Corporation. (See Jones and Bogart, assignors.)						
Corbin, Royal, Plattsburg, N. Y. Adding-machine	767,871	Aug. 16	3486	737	111	1848
Corbin Screw Corporation. (See Svensen, Charles W., assignor.)						
Corcoran, George L., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Shuttle-actuating mechanism for sewing-machines	757,725	Apr. 19	3038	660 661	109	2024
Corcoran, George L., and G. A. Dobyne, assignors to Champion Shoe Machinery Company, St. Louis, Mo. Presser-bar-actuating mechanism	751,263	Feb. 2	920	209	108	1252
Corcoran, George L., and G. A. Dobyne, assignors to Champion Shoe Machinery Company, St. Louis, Mo. Thread-measuring mechanism for sewing-machines	751,264	Feb. 2	922	209 210 910 911	108	1253
Corcoran, George L., and G. A. Dobyne, assignors to Champion Shoe Machinery Company, St. Louis, Mo. Thread-measuring mechanism	760,732	May 24	4285	910 912	110	1011
Corcoran, John J., Louisville, Ky. Combined beer-heater, condenser, and continuous doubler	764,711	July 12	1681	344	111	383
Corcoran, Michael, Anaconda, Mont. Rabble for roasting-furnaces	769,689	Sept. 13	1056	227	112	259
Cordes, John F., Chicago, Ill. Temporary binder	758,050	Apr. 26	3677	737	109	2186
Cordes, John F., Chicago, Ill. Filing-drawer	765,735	Aug. 30	5345	1126	111	2300
Cordiero, Frederick J. B., New York, N. Y. Indicator	776,297	Nov. 29	5561	1178	113	1323
Cordle, Hamner J., Littleton, N. C. Planter	777,842	Dec. 20	2726	600 601	113	2054
Cordonnier, Léon, Lille, France. Hydrocarbon-motor	762,577	June 14	1904	410 411	110	1870
Core, George W., et al. (See Jones and Slusser, assignors.)						
Corey, Fred B., Schenectady, N. Y. Steam attachment	753,367	Mar. 1	267	60, 61	109	60
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Motorman's valve	751,467	Feb. 9	1264	289	108	1345
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Emergency-brake	755,750	Mar. 29	4944	1100	109	1145
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Motorman's or engineer's valve	755,751	Mar. 29	4949	1101 1102	109	1146
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Blow-out fuse	758,172	Apr. 26	3910	849 850	109	2235
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Emergency-brake	758,173	Apr. 26	3912	850	109	2235
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Air-brake	758,174	Apr. 26	3917	851	109	2236
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Blow-out chute	760,850	May 24	4528	965	110	1063

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Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Pneumatic system of motor control.	763,046	June 21	2832	615 616	110	2093
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Motor-control system.	763,047	June 21	2843	616	110	2095
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Safety device.	765,612	July 19	3411	719	111	773
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Electric track-brake.	766,327	Aug. 2	381	81	111	1124
Corey, Fred B., Schenectady, N. Y., assignor to General Electric Company. Block-signal system.	768,357	Aug. 23	4525	952	111	3097
Corey, William W., St. Louis, Mo., assignor to Pratt & Cady Company, Hartford, Conn. Hydrant.	769,983	Sept. 13	1610	343	112	379
Corkman, William, Sycamore, Ohio. Rural-mail-distributing bag.	750,021	Jan. 19	2980	638	108	696
Corkrey, William E., Brainerd, Minn. Tool for trimming screw-threads.	770,354	Sept. 20	2939	491	112	561
Cornara, Giovanni, Mantova, Italy. Explosive cartridge.	763,829	Mar. 1	1228	376	109	263
Cornell, Robert F., Phillipsburg, Mont. Churn.	766,299	June 7	1166	350	110	1693
Cornell, Robert F., Phillipsburg, Mont. Churn.	776,496	Dec. 6	88	10	113	1432
Cornelson, John H., St. Louis, Mo. Paper-controller for type-writers.	763,600	June 28	4042	881	110	2378
Cornelson, John H., St. Louis, Mo. Paper-controller for type-writing machines.	763,661	June 28	4045	881	110	2378
Cornelius, Egbert, assignor of one-half to B. Cope, Orrville, Ohio. Expansive reamer.	756,390	Apr. 5	754	166	109	1504
Cornelius, James A., Hastings, Okla. Ter. Swivel-coupling for vehicles.	773,277	Oct. 25	4313	612	112	1958
Cornelius, Louis A., Grand Rapids, Mich. Faucet-coupling.	776,298	Nov. 29	5562	1179	113	1323
Cornelius, Louis A., Grand Rapids, Mich. Water-sealing trap.	776,299	Nov. 29	5564	1179	113	1324
Cornell, Eugene M., Centerburg, Ohio. Foot-vise for anvils.	775,239	Nov. 15	3420	722	113	812
Cornell, Oliver D., Hartford, Conn. Gas-burner.	757,651	Apr. 19	2902	631	109	1995
Cornell, William N., Massena, N. Y. Utilizing waste products from the manufacture of paper.	756,214	Apr. 5	39	10	109	1351
Cornell, William N., Massena, N. Y. Apparatus for utilizing waste product from the manufacture of paper.	773,479	Oct. 25	4731	999	112	2046
Corner, William J., Colfax, Iowa. Shipping-crate.	771,127	Sept. 27	3888	809	112	911
Corning, Charles F. (See Berkley, Henry J., assignor.)						
Corning Glass Works. (See Houghton, Alanson B., assignor.)						
Cornish, Harry B., assignor of two-thirds to I. D. Cooper, R. G. and W. E. Ford, Minneapolis, Minn. Carbureter.	750,483	Jan. 26	3738	812	108	882
Cornish, Harry S., et al. (See Muth, John P., assignor.)						
Cornitius, Ernst, Waco, Tex. Harness-fastener.	757,273	Apr. 12	2098	457	109	1806
Corns, George W. (See Bryant, Reuben R., assignor.)						
Cornwall, Frederick R., St. Louis, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Truck-bolster.	762,896	June 14	1487	324	110	1781
Cornwall, George R., Rye, assignor to American Planograph Company, New York, N. Y. Planographic printing.	753,368	Mar. 1	269	61, 62	109	61
Cornwall, John B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Feeder for grain-separators.	750,092	Jan. 19	3114	669	108	724
Cornwall, John B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Grain-separator.	752,145	Feb. 16	2554	568 569	108	1644
Corpman, Winfield S., Harrisburg, Pa. Reversible railway-rail.	759,969	May 17	2781	568	110	660
Corr, James. (See Corr, John F. and J.)						
Corr, John F. and J., Bayonne, N. J. Toy cannon.	762,885	June 21	2857	550	110	2027
Corr, Peter H. (See Booth, James, assignor.)						
Correll, Albert T., Bradenville, Pa. Locking-latch for doors of coal-cars.	753,857	Mar. 8	1291	290	109	298
Corrigan, Thomas J., Arkansas City, Kans. Wire-tightener.	762,691	June 14	2138	465	110	1921
Corrington, Murray, New York, N. Y. Automatic fluid-pressure brake apparatus.	749,262	Jan. 12	1451	310 311	108	352
Corrington, Murray, New York, N. Y. Automatic fluid-pressure brake mechanism.	749,263	Jan. 12	1458	311	108	352
Corrington, Murray, New York, N. Y. Fluid-pressure brake apparatus.	762,282	June 14	1286	276 277	110	1739
Corrington, Murray, New York, N. Y. Engineer's brake-valve.	762,865	June 14	2500	540	110	1999
Corrington, Murray, New York, N. Y. Fluid-pressure brake apparatus.	772,404	Oct. 18	2416	529	112	1519
Corrodi, Albert. (See Fisher and Corrodi.)						
Corron, César, Lyons, France. Machine for dyeing and washing.	768,425	Aug. 23	4696	984	111	2142
Corry, Michael, and R. F. Barker, Marinette, Wis. Ratchet-and-pawl mechanism.	776,219	Nov. 29	5423	1149	113	1231
Corsier, Edson J., Macedon, N. Y., assignor to International Harvester Company, Chicago, Ill. Fertilizer-distributor.	778,013	Dec. 20	3091	679	113	2125
Cortis, Frank A., Meriden, Conn. Flame-regulator for lamps.	768,209	Apr. 26	4186	901	109	2296
Corts, August, Wyncote, Pa. Supporting frame or trellis.	753,046	Feb. 23	4341	966	108	3569
Corts, August, Wyncote, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Guard-rail for railway-tracks.	759,677	May 10	2212	455	110	517
Corts, John W. (See Curfman, George W., assignor.)						
Corwin, Edward, Akron, assignor of one-third to E. J. Morgan, Findlay, Ohio. Signal-lantern.	762,283	June 14	1295	277 278	110	1740
Cory, Robert J., et al. (See Guionneau, Abel, assignor.)						
Cory & Son, Charles. (See Wood, Frank W., assignor.)						
Cory, Thomas, Los Angeles, Cal. Key for voting-machines.	760,056	May 17	2954	616	110	700
Cory, Wilbur G., New Haven, Conn. Coupling-stirrup and centering device for railway-cars.	755,622	Mar. 29	4689	1043	109	1087
Coryell, Edwin M., assignor to J. E. Cameron, New York, N. Y. Synchronizer for duplex engines.	749,170	Jan. 12	1257	271	108	308
Coryell, Edwin M., Mount Vernon, assignor to J. E. Cameron, New York, N. Y. Vertical-plunger sinking pump.	753,550	Mar. 1	646	146	109	142
Coryell, Howard G., and J. E. Stephens, Marietta, Ga. Locomotive-valve.	762,439	Feb. 16	3728	695	108	1770
Cosbie, William, San Francisco, Cal. Adjustable horse-collar measure.	762,146	June 7	1019	219	110	1659
Cosens, Thomas J., New Westminster, Canada. Exhausting or testing tank.	777,403	Dec. 13	1840	407	113	1850
Cosey, Henry M., Sterling, Ill. Disk harrow.	765,958	July 26	4109	878	111	935
Cosey, Henry M., Sterling, Ill. Hay-tender.	768,270	Aug. 23	4262	917	111	2062
Cosey, Henry M., Sterling, Ill. Switch-operating device.	775,599	Nov. 22	4203	885	113	1004
Cosey, Henry M., Sterling, Ill. Automatic mechanism for barb-wire reels.	777,843	Dec. 20	2728	601	113	2054
Cosmos Chemical Company. (See Muller-Jacobs, Armand, assignor.)						
Cosper, William F., Chicago, Ill. Ventilator.	755,565	Dec. 22	4558	1014	109	1043
Cosseboom, Robert J., Leadville, Colo. Wrench.	770,165	Sept. 13	1929	412	112	451
Cossey, Meyer, assignor to R. Baile, Philadelphia, Pa. Ash and coal sifter.	769,683	Sept. 6	1043	225	112	238
Costa, Enos S., Quincy, Mass. Self-tightening tool-holder.	768,113	Aug. 23	4064	856	111	1997
Costello, George M., Philadelphia, Pa. Fire and water proof flexible tubing.	761,879	June 7	542	108	110	1561
Coster, Lambert, Collegepoint, N. Y. Sprayer.	773,714	Nov. 1	351	73	113	84
Costley, Stanton R., Washington, Pa. Car-wheel.	762,284	June 14	1297	278	110	1741
Coston, John J., Eupora, Miss. Hoe.	775,701	Nov. 22	4410	931	113	1042

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Côté, George M., Pittsburg, and R. E. McClure, Bellevue, Pa.; said Côté assignor to said McClure. Pump-piston	774,161	Nov. 8	1227	262	113	294
Côté, Henry, Woonsocket, R. I., assignor to Draper Company, Hopedale, Mass. Loom-shuttle	753,957	Mar. 8	1492	334	109	345
Côté, Napoleon, Montreal, Canada, assignor to H. L. Dixon Company, Pittsburg, Pa. Gas-burner for furnaces	758,420	Apr. 26	4423	950	109	2348
Coté, Victor, Turners Falls, Mass. Machine for molding pastry	750,609	Jan. 26	4078	883	108	951
Cottran, John A., St. Louis, Mo. Brick-machine	763,364	June 21	3261	703	110	2188
Cotten, Thomas, Ruleville, Miss. Lap ring or link	751,614	Feb. 9	1538	349	108	1403
Cottie, John C., assignor of one-half to W. A. Eldredge and C. E. Barnes, New York, N. Y. Safety device for elevators	776,497	Dec. 6	39	10	113	1433
Cottingham, Joshua J., assignor of one-half to C. G. Merritt, Washington, Ind. Car-platform-operating device	773,002	Oct. 25	3591	778	112	1792
Cottle, Freeman N., assignor to Cottle, Kenna & Company, Chicago, Ill. Frame	777,079	Dec. 13	1239	272	113	1713
Cottle, Henry F., Dorchester, Mass. Spinning apparatus for spinning-frames	767,263	Aug. 9	2306	483	111	1570
Cottle, Kenna & Company. (See Cottle, Freeman N., assignor.)						
Cottle, Melvin W., assignor to Coaleo Fuel Manufacturing Company, St. Louis, Mo. Artificial-fuel block and producing same	751,468	Feb. 9	1267	255	108	1345
Cottle, Thomas M., Monticlm, Tex. Device for exterminating insects on plants	775,363	Mar. 22	4322	109	109	1968
Cottman, Samuel J., Philadelphia, Pa. Freight-car	773,126	Oct. 25	3986	844	112	1885
Cottom, Albert, Chillicothe, Iowa. Fence-post	773,063	Oct. 25	3794	810	112	1838
Cotton, Charles. (See Wagner and Cotton.)						
Cotton Collar Company. (See Allen, Clarence L., assignor.)						
Cotton Picker Company. (See Lowry, George A., assignor.)						
Cotton Picker Company. (See O'Shaughnessy, James F., assignor.)						
Cottrall, Archibald H. F., assignor of two-thirds to O. J. Andrews and H. A. Knight, Springfield, Mo. Railway bridge-rod	758,421	Apr. 26	4424	950	109	2348
Cottrell, Charles P., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Clamp for stereotype-plates	772,219	Oct. 11	2027	446	112	1410
Cottrell, Charles P., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Clamp for stereotype-plates	776,890	Dec. 6	866	185	113	1617
Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., and Stonington, Conn. Machinery for cutting and folding paper or other fabrics	749,362	Jan. 12	1661	353 354 355 457 458	108 108 108	389
Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Machinery for cutting and folding paper or other fabrics	757,274	Apr. 12	2099	621 622 623 624 625	109	1806
Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., and Stonington, Conn. Multicolor-printing machine	774,162	Nov. 8	1229	262 263 619 620 621	113	294
Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Machinery for cutting and folding paper or other fabrics	777,884	Dec. 20	2823	621 943 944	113	2073
Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Machine for folding paper or other fabrics	778,637	Dec. 27	4324	943 944	113	2410
Cottrell, George R., Totterville, N. Y. Coffee-roasting apparatus	764,226	July 5	532	132	111	146
Cottrell, Warren D., Laurens, Iowa. Traction-wheel	769,789	Sept. 13	1635	206	112	297
Couch, Frank H., Milwaukee, Wis. Signal for adding machines	761,149	May 31	5139	1091	110	1212
Cottrill, Frank H., Milwaukee, Wis., assignor to American Check Printing Machine Company, Printing machine	761,210	May 31	5323	1114 1115	110	1237
Couch, Albert B., Houston, Tex. Grain-huller	750,610	Jan. 26	4079	883	108	951
Couch, Andrew G., Memphis, Tenn. Horse-collar	765,558	July 19	3323	696	111	754
Couch, Andrew G., assignor to Couch Brothers & J. J. Eagan Company, East Point, Ga. Horse-collar. (Reissue)	12,221	May 24	4052	1050	110	1152
Couch, Andrew G., and E. W. Crim, Memphis, Tenn., assignors to Couch Brothers and J. J. Eagan Company, Atlanta, Ga. Horse-collar	765,557	July 19	3322	695 696	111	753
Couch Brothers & J. J. Eagan Company. (See Couch, Andrew G., assignor.) (Reissue.)						
Couch Brothers and J. J. Eagan Company. (See Couch and Crim, assignors.)						
Couch, Charles A., assignor by mesne assignments, to A. E. Flinn, C. Waldo, Worcester, Mass., and H. W. Little, New York, N. Y. Garment-supporter	773,715	Nov. 1	353	78	113	84
Couch, Levi J., Springfield, Mass. Drop-curtain block	756,157	Mar. 29	5723	1263 1264	109	1317
Couch, Levi J., Springfield, Mass. Wire-rope clamp	756,158	Mar. 29	5724	1264	109	1317
Coudon, Joseph, Alkin, Md. Decoy-duck	760,683	May 24	4182	889	110	989
Coughenour, George W., Norfolk, Va. Spool-holder for sewing-machines	752,043	Feb. 16	2306	529	108	1601
Coughlan, James, assignor of one-half to J. Griffin, St. Louis, Mo. Metal rail for railways	768,518	Aug. 23	4688	1021	111	2178
Coulson, George W., Sioux City, Iowa. Locking turn-button	758,335	Apr. 26	4389	921	109	2317
Coulson, William A. (See Creed, Frederick G., assignor.)						
Coultaus, Henry C., New York, N. Y. Sign or advertising device	778,307	Dec. 27	3060	799	113	2265
Coulter, Charles J., Denver, Colo. Ratchet-wrench	765,516	July 26	3860	1822 1823	111	879
Coulter, L. P., et al. (See Kirkpatrick, James E., assignor.)						
Coulter, Thomas H. (See Tate, Newton J., assignor.)						
Coulthard, Alfred. (See Jolliffe and Coulthard.)						
Court, Emil E., Washington, D. C. Protractor	768,426	Aug. 23	4699	984	111	2143
Courtenay, William. (See Currie, Straley C., assignor.)						
Courtland, William A., New York, N. Y., assignor to American Pin Company, Waterbury, Conn. Hook-feeding mechanism for hook-and-eye-fastening machines	775,075	Nov. 15	3033	1643 1644	113	717
Courtney, Daniel C., Allegheny, Pa. Drop-door and operating mechanism for cars	763,265	June 21	3263	704	110	218
Courtney, Millard F., et al. (See Walter, Edward, assignor.)						
Courtright, James F., et al. (See Clarkson, William R., assignor.)						
Courtright, James L., et al. (See Clarkson, William R., assignor.)						
Courville, Joseph, assignor to Farrand & Votey Organ Company, Detroit, Mich. Self-playing attachment for musical instruments. (Reissue)	12,189	Jan. 5	1198	256	108	278
Courville, Joseph, assignor to Farrand & Votey Organ Company, Detroit, Mich. Self-playing attachment for musical instruments	755,364	Mar. 22	4204	1930 1931	109	968
Courville, Joseph, assignor to Farrand Organ Company, Detroit, Mich. Key-striker for piano-players	757,889	Apr. 19	3355	725	109	2094
Courville, Joseph, assignor to Farrand Organ Company, Detroit, Mich. Key-striker for piano-players	776,891	Dec. 6	867	186	113	1618
Courville, Joseph, and F. W. Draper, assignors to Farrand Organ Company, Detroit, Mich. Tracker-bar for mechanical musical instruments	762,986	June 21	2715	590	110	2067
Cousins, Julius S. (See Barton, Henriksen, Cousins, and Matthews.)						
Couts, Charles O., Newcomerstown, Ohio. Grafting-knife	751,382	Feb. 2	1125	256	108	1297
Couture, George. (See Deane and Couture.)						
Covel Manufacturing Company. (See Schofield, Henry P., assignor.)						
Covel, Nathan E., et al. (See Kimball, Fred M., assignor.)						
Cowell, Harry N., New York, N. Y., assignor to Lidgerwood Manufacturing Company. Rope-drum engine	765,659	July 26	3534	745 746	111	814

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Coventry, Theodore. (See Ford-Smith and Coventry.)						
Cover, John E., Wilkensburg, Pa. Gunner's arm-rest	759,593	May 10	2050	419	110	482
Cover, Peter R. (See Rowland and Cover.)						
Covert, Enoch Farmer, N. Y. Fastener for fly-nets	762,287	June 14	1469	324	110	1781
Covert, John W., Raritan, Ill. Buggy-foot	767,735	Aug. 16	3210	676	111	1789
Covington Machine Company. (See McConnell, William H., assignor.)						
Cowan, Arthur S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay-motion for looms	763,088	June 21	2922	630	110	2112
Cowan, Arthur S., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Geolocking device	766,493	Aug. 2	719	150 151	111	1197
Cowan, Arthur S., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Center-selva-forming attachment for looms	776,300	Nov. 29	5566	1179	113	1324
Cowan, Edward H., and B. C. Palmer, Marion, Ohio. Meter-box	753,126	Feb. 23	4478	997	108	2089
Cowan, Francis L., assignor of one-half to T. J. Bailey, Argenta, Ark. Gin-breast	777,080	Dec. 13	1241	273	113	1719
Cowan, Harry, Hagerman, N. Mex. Ter. Wrench	760,321	May 24	3845	815	110	918
Cowan, John, Edinburgh, Scotland. Water-tube boiler	772,340	Oct. 18	2278	500 306 307 308	112	1488
Cowan, William, Edinburgh, Scotland. Coin-freed mechanism for gas-meters or other purposes	771,896	Oct. 11	1383	307 308	112	1262
Cowart, Elias H., Pleasanton, Cal. Safety-turnbuckle	752,524	Feb. 16	3275	730	108	1803
Cowdin, William L. (See Kendall and Cowdin.)						
Cowdrey, Charles F. and H. E., Fitchburg, Mass. Chambered projectile	763,370	June 28	3494	754	110	2261
Cowdrey, Henry E. (See Cowdrey, Charles F. and H. E.)						
Cowen, Herman C., Smiths Landing, N. Y. Split set-collar	769,252	Sept. 6	228	53	112	50
Cowgill, George A., Euphemia, Ohio. Telephone attachment	761,150	May 31	5140	1092	110	1212
Cowham, William F. (See Normandin, Levi P., assignor.)						
Cowhig, Richard P., Lynchburg, Va. Water-seal trap	777,245	Dec. 13	1530	339	113	1781
Cowing, John P., Cleveland, Ohio. Conical roller-bearing	754,751	Mar. 15	3078	672	109	708
Cowing, John P., assignor to American Mine Door Company, Cleveland, Ohio. Mine-gate	768,653	Aug. 30	5179	1089	111	2264
Cowles, Alfred H., Cleveland, Ohio. Electric-resistance furnace	750,093	Jan. 19	3115	669 702	108	724
Cowles, Alfred H., Cleveland, Ohio. Smelting materials and producing carbid	750,094	Jan. 19	3118	670	108	725
Cowles, Alfred H., Cleveland, Ohio. Electrically heating materials	750,095	Jan. 19	3120	670	108	725
Cowles, Alfred H., Cleveland, Ohio. Effecting chemical changes	750,096	Jan. 19	3123	671	108	727
Cowles, Alfred H., Cleveland, Ohio. Electric heating	750,170	Jan. 19	3251	701	108	754
Cowles, Alfred H., Cleveland, Ohio. Electric furnace	750,171	Jan. 19	3253	701	108	755
Cowles, Alfred H., Cleveland, Ohio. Electrically smelting materials	760,057	May 17	2955	616	110	700
Cowles, Alfred H., Cleveland, Ohio. Making calcium carbid	760,312	May 17	3441	725	110	808
Cowles, Edward P., Warren, Ohio. Hub for motor-vehicles	760,694	May 24	4183	889	110	969
Cowles, Merle C., Bridgeport, Conn. Gutter-cleaner	777,094	Dec. 13	3254	496	113	1937
Cowles, Walter L. (See Hatch, James N., assignor.)						
Cox, Dandridge, Camden, N. J. Grinding apparatus	751,469	Feb. 9	1267	290	108	1345
Cox, William B., assignor to "Long Arm" System Company, Cleveland, Ohio. Apparatus for operating armored hatches, trap-doors, or the like	773,768	Nov. 22	4524	960 961 1242 1243	113	1073
Cowley, James T., Boston, Mass. Machine for compressing fibrous materials	756,099	Mar. 29	5631	1243 1244	109	1298
Cox, Allen E., Ashland, Oreg. Box-lid support	768,519	Aug. 23	4869	1021	111	2178
Cox, Alpheus M., Haviland, Kans. Wind-wheel	750,611	Jan. 26	4081	884	108	952
Cox, Amos G., Winterville, N. C. Fertilizer-distributor	772,220	Oct. 11	2029	446	112	1410
Cox, Amos M., Los Angeles, Cal. Supporting device	765,817	July 26	3864	833	111	880
Cox and Brother, George S. (See Cox, George S., assignor.)						
Cox, Dandridge, Camden, N. J. Grinding apparatus	762,147	June 7	1020	212	110	1659
Cox, Edwin A., London, England, assignor to A. B. Dick Company, Chicago, Ill. Stencil-printing machine	750,816	Feb. 2	56	12, 13	108	1009
Cox, Edwin R., Jr. (See Gaines and Cox.)						
Cox, Elmer, Columbia City, Ind. Hay-loader	773,278	Oct. 25	4315	912	112	1958
Cox, Emest, Wichita, Kans. Buggy-seat	773,223	Dec. 27	3476	765	113	2225
Cox, Frank P., Lynn, Mass., assignor to General Electric Company. Demand-discount meter	750,948	Feb. 2	320	75, 76	108	1128
Cox, Frank P., and W. H. Pratt, Lynn, Mass., assignors to General Electric Company. Meter	777,944	Dec. 20	2729	601 602	113	2055
Cox, George S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Woven interlining for skirts	756,215	Apr. 5	41	10	109	1351
Cox, George S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Loom	756,334	Apr. 5	280	58, 59	109	1403
Cox, George S., Fitzwatertown, assignor to G. S. Cox and Brother, Philadelphia, Pa. Woven interlining fabric	769,790	Sept. 13	1236	266	112	297
Cox, Harry B., Indianapolis, Ind., assignor of one-half to T. G. Palmer, Chicago, Ill. Incandescent burner	769,533	Sept. 6	776	167	112	176
Cox, Harry W., Nottingham, England. Electrical switch	770,160	Sept. 13	1930	412	112	451
Cox, Jacob D., Shirley, Ind. Carpet-fastener	772,501	Oct. 18	2619	576	112	1562
Cox, John H., Erie, Kans. Sad-iron holder	749,363	Jan. 12	1668	355	108	400
Cox, John H., Erie, Kans. Water-filter	774,293	Nov. 8	1355	288	113	323
Cox, John T., and J. W. Forbes, Norfolk, Va. Haul truck	770,353	Sept. 30	2390	491	112	561
Cox, Levi J., Cleveland, Kans. Flowshear-sharpener	775,346	Nov. 22	3649	773	113	881
Cox, Rowland, Taylorsville, Ky. Initial-reading indicator for surveyors' instruments	774,566	Nov. 8	1980	430	113	457
Cox, Thomas, Portland, Oreg. Automatic excavating-shovel	766,670	Aug. 2	1008	227 228	111	1284
Cox, Victor N. (See Snell, James W., assignor.)						
Cox, Will D., Marshfield, Ohio. Miner's lamp	755,453	Mar. 22	4379	970	109	1003
Cox, William, Hamilton, Canada. Disintegrator	769,523	Sept. 6	239	53, 54	112	50
Cox, William G., New York, N. Y. Hydraulic air-compressor	759,158	May 3	1121	227	110	235
Cox, William I., Blackstone, Ill. Gate	769,888	Sept. 13	1425	305	112	399
Cox, William N., et al. (See Moritz, Adolph, assignor.)						
Coy, Erwin S., Wilbur, Wash. Store-fixt.	752,325	Feb. 16	3276	731	108	1808
Coykendall, Marcus A., Grand Rapids, Mich. Grinder for tooth-crowns	778,567	Dec. 27	4173	911	113	2375
Coyle, Rebecca T., Philadelphia, Pa. Nursing-gown	778,014	Dec. 20	3909	680	113	2126
Coyne, John, Allegheny, Pa. Water-heater	776,498	Dec. 6	42	10	113	1433
Coyne, John, Allegheny, Pa. Blast-furnace	777,498	Dec. 13	2023	446	113	1890
Coyner, Noah M., Frankfort, Ohio. Clothes-rack	777,185	Dec. 13	1424	315	113	1758
Cozzins, William W., Darlington, Pa. Acetylene-gas generator	779,595	June 28	3910	850	110	2349
Cozzens, Charles E., assignor of one-half to T. F. Whittelsey, Toledo, Ohio. Air-brake safety device	775,670	Nov. 22	4352	918	113	1036
Cozzens, Percy L., New York, N. Y. Manifolding sales-book	767,927	Aug. 16	3591	760	111	1871

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Crabtree, Frederick H., Anaconda, Mont. Pneumatic massage apparatus.....	757,177	Apr. 12	1933	423	109	1772
Cracknell, Richard J., Streatham, England. Ammonia-still.....	751,058	Feb. 2	508	119	108	1171
Cracknell, Richard J., Streatham, England. Absorber for ammonia-absorption refrig- erating machines.....	775,896	Nov. 22	4767	1010	113	1124
Cradcock, Levi S., assignor of one-half to J. P. Hayes, Talladega, Ala. Rotary motor.....	770,712	Sept. 20	2999	637	112	705
Craft, James D., <i>et al.</i> (See Hanstine, Harry S., assignor.)						
Crafts, George E., assignor of one-half to G. B. Freeland, Bangor, Me. Broom-holder.....	769,469	Sept. 6	657	142	112	149
Crafts, Perley P., assignor, by mesne assignments, to Algonquin Electric Brake Corpo- ration, Boston, Mass. Electric brake.....	750,434	Jan. 26	3741	812	108	883
Cragg, George L., assignor to B. J. Arnold, Chicago, Ill. Electric-railway system.....	759,241	May 10	1364	272	110	331
Cragg, George L., assignor to B. J. Arnold, Chicago, Ill. Electric-railway system.....	759,242	May 10	1366	272	110	331
Cragg, George L., assignor to B. J. Arnold, Chicago, Ill. Electric-railway system.....	759,243	May 10	1367	273	110	332
Cragg, George L., assignor to B. J. Arnold, Chicago, Ill. Electric-railway system.....	759,244	May 10	1370	273	110	333
Cragin, George P., assignor of one-half to M. C. Hunter, Spokane, Wash. Collar.....	773,716	Nov. 1	354	79	113	84
Cragin, Morgan J., assignor to Morgan J. Cragin, Jr., Chicago, Ill. Garbage-crematory.....	773,748	Oct. 25	4258	901	112	1846
Craig, Samuel N., Cleveland, Ohio. Garment-hanger.....	770,851	Sept. 27	3359	709	112	836
Crago, Felix H., Billings, Mont. Current-motor.....	756,335	Apr. 5	284	59	109	140
Crago, Felix H., Billings, Mont. Animal-trap.....	765,818	July 26	3865	823	111	884
Craig, Alvan J., <i>et al.</i> (See Henderson, Ewen C., assignor.)						
Craig, David, Melrose, Mass. Urinal.....	751,976	Feb. 9	2262	507	108	1560
Craig, David, Melrose, Mass. Urinal.....	759,078	May 3	976	198	110	222
Craig, J. T. (See Miracle, Meridith W., assignor.)						
Craig, James A., Stockbridge, Mich. Latch.....	750,435	Jan. 26	3746	813	108	884
Craig, John A., (See Williams, Irvin C., assignor.)						
Craig, Sanford D., G. E. Kelly, and W. Turner, Laharpe, Kans. Roasting-furnace.....	754,199	Mar. 8	1927	429	109	441
Craig, Stephen M., Moscow, Idaho. Flying-machine.....	766,021	July 26	4248	908	111	964
Cram, Alonzo W., assignor to W. D. Cram, Haverhill, Mass. Acetylene-gas apparatus.....	767,736	Aug. 16	3211	677	111	1790
Cram, Edwin B., assignor to American Billing Machine and Improvement Company, St. Louis, Mo. Type-writing attachment for adding-machines.....	761,948	June 7	661	133	110	1585
Cram, Edwin B., Brooklyn, assignor to Wyckoff, Seamans & Benedict, Lion, N. Y. Type-writing machine.....	775,394	Nov. 22	3754	785	113	906
Cram, Thomas, Detroit, Mich. Portable desk.....	753,858	Mar. 8	1292	291	109	298
Cram, Wm. D. (See Cram, Alonzo W., assignor.)						
Cramer, Anthony F., (See Diedrich and Cramer.)						
Cramer, Anthony F., assignor to F. Goebel, Detroit, Mich. Bottle holding and carrying device.....	756,591	Apr. 5	765	166	109	1504
Cramer, Catharine, <i>et al.</i> (See Wilson, Allen F., assignor.)						
Cramer, Charles F., Scranton, Pa. Locking-holder for roll materials.....	774,937	Nov. 15	2754	591	113	650
Cramer, Charles W., and H. C. Haak, Scranton, Pa. Washing-machine.....	759,678	May 10	2213	455	110	517
Cramer, John, assignor to himself and T. B. Johns, Lima, Ohio. Door-hanger.....	772,221	Oct. 11	2032	446	112	1411
Cramer, John H., Lancaster, assignor to J. E. Reyburn, Philadelphia, Pa. Hydrostatic or pneumatic piston.....	772,457	Oct. 18	2523	512	112	1542
Cramer, Stuart W., Charlotte, N. C. Dyeing apparatus.....	765,883	July 26	3978	843	111	906
Cramer, Stuart W., Charlotte, N. C. Humidifier or air-moistening apparatus.....	778,172	Dec. 20	3381	743	113	2187
Crampton Family Brass Co. (See Edelen, Frederick C., assignor.)						
Crampton, John T., assignor by mesne assignments, to himself and L. H. Woods, Paw- nee City, Nebr. Wagon-reach.....	776,458	Nov. 29	5878	1242	113	1396
Crandall, Alfred L., Hanover, Pa. Lock for extension-tables.....	764,990	July 12	2230	461	111	504
Crandall, Jesse A., New York, assignor of one-half to J. Bender, Brooklyn, N. Y. Watch- guard.....	773,376	Oct. 25	4516	955	112	2001
Crandall, Lucien S. (See Hayden and Crandall.)						
Crandall, Lyman E. (See Crandall, Orlando C., assignor.)						
Crandall, Lyman E., Stanwood, Mich. Cross-line buckle.....	777,940	Dec. 20	2949	648	113	2097
Crandall, Nathan W. (See Caley and Crandall.)						
Crandall, Nathan W., Meriden, assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock and latch.....	752,205	Feb. 16	2662	590	108	1660
Crandall, Nathan W., Meriden, assignor to Russell & Erwin Mfg. Company, New Britain, Conn. Knob-shank nailing.....	752,886	Feb. 23	3997	894	108	1982
Crandall, Nathan W., Meriden, assignor to Russell & Erwin Mfg. Co., New Britain, Conn. Bell.....	753,369	Mar. 1	271	62	109	61
Crandall, Nathan W., assignor to Russell & Erwin Manufacturing Company, New Brit- ain, Conn. Kn attachment.....	769,817	Sept. 13	1801	276	112	814
Crandall, Nathan W., assignor to Russell & Erwin Manufacturing Company, New Brit- ain, Conn. Lock and rose.....	770,266	Sept. 20	2137	448	112	514
Crandall, Orlando C., assignor of one-half to L. E. Crandall, Stanwood, Mich. Mowing- machine.....	765,559	July 19	3324	697	111	754
Crane & Breed Manufacturing Company. (See Schehr, George A., assignor.)						
Crane, Clarence A., Warren, Ohio. Well-bucket.....	748,704	Jan. 5	289	66	108	64
Crane, Clarence A., Warren, Ohio. Well-bucket.....	763,371	June 28	3496	754	110	2261
Crane Company. (See Doolittle, William W., assignor.)						
Crane Company. (See Hayden, George W., assignor.)						
Crane Company. (See Hayden, James T. and G. W., assignors.)						
Crane Company. (See Lloyd, William H., assignor.)						
Crane, Harry A., Jersey City, N. J. Composite structure.....	769,941	Sept. 13	1536	327	112	363
Crane, Henry, Jr., Birmingham, England. File or rasp cutting machine.....	763,727	June 28	4176	909	110	2406
Crane, Henry M. (See McBERTY and Crane.)						
Crane, Henry M., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Apparatus for through ringing on telephone trunk-lines.....	772,927	Oct. 25	3454	749	112	1762
Crane, Newton, Boston, Mass. Vehicle-tire.....	764,519	July 5	1252	257	111	273
Crane, Quince, San Diego, Cal. Range.....	763,541	June 28	3321	826	110	2350
Crane, Quince, and J. Kestine, San Diego, Cal. Vapor generator and burner.....	749,685	Jan. 12	2306	487	108	533
Crane, Walter E., deceased, Minneapolis, Minn.; A. R. Johnson, administrator. Appa- ratus for the production of ice.....	763,089	June 21	2923	631	110	2112
Crane, Walter E., deceased, Minneapolis, Minn.; A. R. Johnson, administrator. Pro- ducing ice.....	763,090	June 21	2929	631	110	2113
Crane, Walter E., deceased, Denver, Col.; A. R. Johnson, administrator. Variable- speed device.....	766,757	Aug. 2	1262	270	111	1321
Cranford, William J., Spokane, Wash. Felly-joint holder.....	750,263	Jan. 26	3425	704	108	812
Cranell, Marvin L., Troy, N. Y. Needle-threader.....	760,427	May 24	3653	772	110	871
Craus, Walter F. (See Wallace, Samuel J., assignor.)						
Crapo, Charles A., Denver, Colo., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange trunk-circuit apparatus.....	772,871	Oct. 15	3324	726	112	1716

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Crapp, Thomas S., and R. C. Finch, Indianapolis, Ind. Brick-mold.	757,726	Apr. 19	3040	661	109	2025
Crapp, Thomas S., and R. C. Finch, Indianapolis, assignors to F. Glessner, Shelbyville, Ind. Brick-machine.	752,887	Feb. 23	3998	1895 1896	108	1982
Crapp, Thomas S., and R. C. Finch, Indianapolis, assignors to F. Glessner, Shelbyville, Ind. Plunger for brick-machines.	762,230	June 7	1168	250	110	1693
Crary, Thomas F., Middleport, Ohio, assignor to S. W. Loller, McCracken, Pa. Flush outfit for closets.	761,792	June 7	280	56	110	1500
Crates, John W., Williams county, Ohio. Cutter mechanism for mowing and harvesting machines.	770,892	Sept. 27	3399	709	112	806
Craven, Austin O., Jonestown, Miss. Clothes-pin.	755,318	Mar. 22	3929	870	109	908
Craven, Charles H., Newcastle, Pa. Plumb and level.	753,551	Mar. 1	647	146	109	142
Craven, Enoch B., Asbestos, Ga. Reducing and separating machine.	752,044	Feb. 16	2368	530	108	1602
Craven, Henry T., Vineland, N. J. Differential gearing.	750,172	Jan. 19	3256	702	108	755
Craven, Thomas W., Fairfield, Cal. Toy air-ride.	754,051	Mar. 8	1664	1369	109	383
Craver, David P., and T. H. Gillette, Belvidere, Ill. Hinge.	773,717	Nov. 1	355	79	113	84
Craw, Frank C., assignor of one-half to W. N. Craw, South Norwalk, Conn. Hat-trimming machine.	757,542	Apr. 19	2872	585	109	1943
Craw, Joseph T., Jersey City, N. J., assignor of one-half to Brown & Bailey Company, Philadelphia, Pa. Paper box.	772,694	Oct. 18	2964	655	112	1641
Craw, Joseph T., Jersey City, N. J., assignor of one-half to Brown & Bailey Company, Philadelphia, Pa. Paper box for packing bottles.	774,044	Nov. 1	1017	217	113	230
Craw, Joseph T., Jersey City, N. J., assignor of one-half to R. P. Brown and E. L. Bailey, Philadelphia, Pa. Bottle-packing device.	766,139	July 26	4478	959	111	1014
Craw, William N. (See Austin and Craw.)						
Craw, William N. (See Craw, Frank C., assignor.)						
Crawford, Andrew V., and J. Gordon, Columbus, Ohio. Pipe-joint.	763,542	June 28	3822	827	110	2330
Crawford, Crawford, Thomas, Pittsburgh, Pa. Spirit-level.	759,594	May 10	2051	419	110	482
Crawford, Francis H., Columbus, Ohio. Variable-pressure-compensating mechanism for gas-meters.	774,910	Nov. 15	2699	578	113	637
Crawford, Frank, and C. Higby, West Bloomfield, Mich. Device for unloading hay.	768,427	Aug. 23	4701	904	111	2143
Crawford-Frost, William A., Baltimore, Md. Key-operated recording means.	760,851	May 24	4530	965	110	1063
Crawford, G. E. (See Kohler, Philip H., assignor.)						
Crawford, Harvey P., assignor of one-fourth to F. A. Hoyt, Brockton, Mass. Shank-stiffener.	773,628	Nov. 1	173	38	113	44
Crawford, James, Boston, Mass. Trap.	771,812	Oct. 11	1172	261 262	112	1224
Crawford, James G. (See Reade, Crawford, and McKibbin.)						
Crawford, James J., assignor of two-thirds to J. D. Crawford, Oakland, and J. Hastings, San Francisco, Cal. Briquet-machine.	767,544	Aug. 16	2871	599	111	1714
Crawford, Jay B. (See Tirrell, Jacob P., assignor.)						
Crawford, Jefferson D., et al. (See Crawford, James J., assignor.)						
Crawford, John A., Allegheny, Pa. Smoke-consumer.	751,059	Feb. 2	509	119	108	1171
Crawford, John A., Allegheny, Pa. Spark-arrester and fuel-saver.	768,530	Aug. 23	4870	1021	111	2173
Crawford, John A., Allegheny, Pa. Smoke-consuming furnace.	769,060	Aug. 30	6032	1239	111	2448
Crawford, Lyter H., Dallas, Tex. Dental handpiece.	756,336	Apr. 5	285	59, 60	109	1404
Crawford, Robert W., Port Dodge, Iowa. Metal-and-wood railway-tie.	766,328	Aug. 2	383	81	111	1125
Crawford, Rufus C., and G. Baehr, McKeesport, assignors to National Tube Company, Pittsburg, Pa. Manufacture of lapweld-pipes.	774,311	Nov. 8	1498	322	113	354
Crawford, Theron C., London, England. Golf-ball.	757,600	Apr. 19	2788	610	109	1970
Crawford, Thomas, Philadelphia, Pa. Wheel companion.	754,852	Mar. 15	3284	716	109	752
Crawford, Thomas E., Waumandee, Wis. Handle for vessels.	766,671	Aug. 2	1101	228	111	1286
Crawford, Walter D. (See Kelley, Wilbur S., assignor.)						
Crawford, William H., Port Huron, Mich. Hatch-fastener.	749,532	Jan. 12	2027	421	108	474
Crawford, August, Detroit, Mich. Guide for sewing-machines.	751,615	Feb. 9	1540	349	108	1404
Crawley, Arthur, Arlington Heights, Ohio. Book rounding and backing machine.	768,978	Aug. 30	5839	1227	111	2412
Crawshaw, Richard, assignor of one-half to H. G. Wasson, Pittsburg, Pa. Swaging-machine.	773,197	Oct. 25	4152	877	112	1923
Creamer, Osborne B., and A. J. Q. Knowlton, Camden, Me. Taper-callipers.	777,605	Dec. 13	2256	496	113	1938
Creamer, Osborne B., and A. J. Q. Knowlton, Camden, Me. Taper-callipers.	777,606	Dec. 13	2256	496	113	1938
Creamery Package Manufacturing Company. (See Trowbridge, Orin A., assignor.)						
Creamery Package Mfg. Co. (See Valerius, Theodore L., assignor.)						
Creath, Thomas L., Mount Sterling, Ohio. Corn-shocker.	748,932	Jan. 5	732	159 160	108	166
Credlebaugh, Henry S., and A. Sonander, assignors to Foos Gas Engine Company, Springfield, Ohio. Friction-clutch.	764,712	July 12	1683	344	111	384
Cree Dickinson Manufacturing Company. (See Cree and Dickson, assignors.)						
Cree, Dugal, and H. Dickson, assignors to Cree Dickinson Manufacturing Company, Minneapolis, Minn. Bookcase.	749,364	Jan. 12	1461	311 312	108	353
Creed, Frederick G., Lenzie, assignor to himself, and W. A. Coulson, Glasgow, Scotland. Telegraph apparatus.	749,031	Jan. 5	952	201	108	221
Creed, Frederick G., Lenzie, assignor to himself, and W. A. Coulson, Glasgow, Scotland. Perforating telegraph.	749,032	Jan. 5	955	202	108	222
Creed, Frederick G., Lenzie, assignor to himself, and W. A. Coulson, Glasgow, Scotland. Telegraphic receiving apparatus.	749,033	Jan. 5	963	203	108	224
Creeelman, Samuel A., Portland, Me. Cash-recorder.	765,378	July 19	2954	618	111	675
Crehore, Albert C., Yonkers, N. Y. Telegraph system.	773,198	Oct. 25	4157	878	112	1924
Creigh, Alfred E., Roncverte, W. Va. Apparatus for feeding fine fuel and air to furnaces.	753,673	Mar. 1	878	198	109	191
Creighton, Hugh J., Anderson, Ind. Magneto-electric generator.	751,616	Feb. 9	1541	350	108	1404
Crenshaw, Edmund M., Baltimore, Md. Case for carrying firearms.	750,817	Feb. 2	58	13	108	1070
Crenshaw, William, Atlanta, Ga. Dental-matrix retainer.	758,422	Apr. 26	4425	951	109	2948
Crepuy, Edouard C., and L. Fremaux, Brussels, Belgium. Hackling-machine.	778,351	Dec. 27	3752	817 818	113	2283
Cresp, Jean H. E. (See Martin, Jean, assignor.)						
Cresser, Arthur W. (See Kerst and Cresser.)						
Cressman, Krauth H., assignor of one-tenth to C. F. Zimmerman, Naper, Nebr. Bottle-closure.	755,623	Mar. 29	4691	1043	109	1087
Creveling, John L., New York, N. Y. Means for electrical distribution.	754,429	Mar. 15	2445	533	109	569
Creveling, John L., New York, N. Y. System of telegraphy.	761,450	May 31	5720	1219	110	1341
Creveling, John L., New York, N. Y., assignor to Safety Car Heating & Lighting Company. Lamp.	754,428	Mar. 15	2442	533	109	568
Creveling, John L., New York, N. Y., assignor to Safety Car Heating & Lighting Company. Regulation of pneumatic-fan systems.	759,245	May 10	1372	273	110	838

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Crewe, David. (See Wright, William, assignor.)						
Crews, William D. (See Lynham and Crews.)						
Cribb, Brewster W., Omaha, Nebr. Metallic packing	772,788	Oct. 18	3176	691	112	1681
Cribbs, Charles A., Vandergrift, Pa. Heater	765,959	July 26	4110	878	111	936
Cridder, Abraham. (See Miesse, Americus, assignor.)						
Crisler, Julius W., Bloomington, Ill. Invalid-bed	775,530	Nov. 22	4007	846	113	961
Crill, Walter T., Westernville, N. Y. Shoe-polisher	776,301	Nov. 29	5567	1179	113	1324
Crim, Emmett W. (See Couch and Crim.)						
Crimmel, Henry, Hartford City, Ind. Glass-drawing machine	759,159	May 3	1125	228	110	256
Crippen, George F., Ypsilanti, Mich. Bean-picking machine	753,370	Mar. 1	272	62, 63	109	62
Crise, Lewis, assignor of one-half to Central Ohio Buggy Co., Upper Sandusky, Ohio.	753,472	Mar. 1	468	110	109	102
Crisler, Joseph L. (See Markillie and Crisler.)						
Crisler, Joseph L., Perth, Kans. Automatic coupling	752,759	Feb. 23	3745	836	108	1925
Crisler, Joseph L., Perth, Kans. Coupling	755,850	Mar. 29	5159	1141	109	1195
Crisman, Charles, Waterville, Me. Autosled	766,672	Aug. 2	1102	228	111	1287
Crisp, James S. (See Wiesen and Crisp.)						
Crist, Mark B. (See Meriam and Crist.)						
Criswell, James A. E., New York, N. Y. Match-package	758,583	Apr. 26	4732	1020	109	2417
Criswell, James A. E., New York, N. Y. Match-package	764,520	July 5	1253	257	111	274
Critchler, R. A. (See Wright, Edward W., assignor.)						
Crittenden, Orlando, Akron, Ohio. Puzzle	752,377	Feb. 16	3001	668	108	1745
Croci, Basilio. (See Van Choate, Silvanus F., assignor.)						
Crocker, David, Sandylake, assignor of one-half to W. H. Unbehaun, Franklin, Pa. Self-adjusting polish-rod packing	760,313	May 17	3443	735 726	110	808
Crocker, Hannah, Plainfield, N. J. Bedclothes-holder	754,430	Mar. 15	2449	534	109	570
Crocker, John C., assignor of one-half to H. B. Heaslet, Grove City, Pa. Speed-regulator for explosive-engines	764,840	July 12	1938	397 396	111	440
Crocker, Ralph C. (See Crocker, Seth S., assignor.)						
Crocker, Samuel H., London, England. Capsule for holding compressed gas	771,813	Oct. 11	1173	262	112	1224
Crocker, Seth S., Boston, assignor to R. C. Crocker, Clifton, Mass. Fountain-pen	767,208	Aug. 9	2216	461	111	1550
Crocker-Wheeler Company. (See Douglas, Edwin R., assignor.)						
Crocker-Wheeler Company. (See Dunn, Gano S., assignor.)						
Crocker-Wheeler Company. (See Young, Frederick W., assignor.)						
Crockett, Fred P., and O. P. Johnson, Kalamazoo, Mich. Trolley harp or fork	750,818	Feb. 2	60	13	108	1070
Crockett, George M., New York, N. Y., assignor of one-half to I. H. Brown, Plainfield, N. J. Telephone system	775,521	Nov. 22	4006	846	113	962
Crockett, James G., Pulaski, Va. Self-disaster	776,302	Nov. 29	5568	1180	113	1355
Crockett, John, et al. (See Greer, William N., assignor.)						
Crockett, William V., Corsicana, Tex. Quoin	765,560	July 19	3325	697	111	754
Crofts, John W., Leicester, England. Shop-window casing	769,647	Sept. 6	965	209	112	230
Crofut, Frank V., assignor to Sterling Co., Derby, Conn. Adjusting device for cases of automatic piano-players	750,612	Jan. 26	4083	884 132 133 134	108 113	952 145
Crofut, Frank V., assignor to Sterling Co., Derby, Conn. Pneumatic piano-player	773,851	Nov. 1	626			
Crofut, James N., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	759,502	May 10	1883	378	110	446
Crozier, Henri, Paris, France. Apparatus for drying powders	761,763	June 7	282	56	110	1500
Crozier, Frank M., Minneapolis, Minn. Hernial truss	760,615	May 24	4031	857	110	957
Crompton & Brothers, James R. (See Hawke, Frederick, assignor.)						
Crompton, Charles, Worcester, Mass. Steam-engine	749,958	Jan. 19	2852	609 610	108	671
Crompton Company. (See Read and Hedin, assignors.)						
Crompton, George, et al. (See Crompton, Randolph, assignor.)						
Crompton & Knowles Loom Works. (See Anley and Hollingworth, assignors.)						
Crompton & Knowles Loom Works. (See Cooper, Thomas, assignor.)						
Crompton & Knowles Loom Works. (See Cowan, Arthur S., assignor.)						
Crompton & Knowles Loom Works. (See Cyr, Joseph T., assignor.)						
Crompton & Knowles Loom Works. (See Davenport, Edward W., assignor.)						
Crompton & Knowles Loom Works. (See Gordon, Albert A., Jr., assignor.)						
Crompton & Knowles Loom Works. (See Hollingworth, Edward, assignor.)						
Crompton & Knowles Loom Works. (See Hutchins, George F., assignor.)						
Crompton & Knowles Loom Works. (See Jarry and Regan, assignors.)						
Crompton & Knowles Loom Works. (See Macpherson, Peter, assignor.)						
Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)						
Crompton & Knowles Loom Works. (See Pratt, Robert G., assignor.)						
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)						
Crompton & Knowles Loom Works. (See Walker, James F., assignor.)						
Crompton & Knowles Loom Works. (See Wattie, William, assignor.)						
Crompton & Knowles Loom Works. (See Wyman, Horace, assignor.)						
Crompton, Randolph, assignor to Crompton-Thayer Loom Company, Worcester, Mass. Dobby head-motion	771,462	Oct. 4	477	108	112	1060
Crompton, Randolph, assignor to Crompton-Thayer Loom Company, Worcester, Mass. Shedding mechanism for looms	775,076	Nov. 15	3036	644	113	718
Crompton, Randolph, assignor to R. and G. Crompton, E. D. Thayer, and W. B. Scofield, Worcester, Mass. Head-motion for looms	770,167	Sept. 13	1931	412 413	112	452
Crompton, Randolph, assignor to R. and G. Crompton, E. D. Thayer, and W. B. Scofield, Worcester, Mass. Shedding mechanism for looms	770,168	Sept. 13	1932	413	112	452
Crompton, Randolph, and A. J. O'Reilly, assignors to Crompton-Thayer Loom Company, Worcester, Mass. Shed-forming mechanism for looms	770,495	Sept. 20	2590	549	112	619
Crompton-Thayer Loom Company. (See Crompton, Randolph, assignor.)						
Crompton-Thayer Loom Company. (See Crompton and O'Reilly, assignors.)						
Crompton-Thayer Loom Company. (See Fitton, John R., assignor.)						
Crompton-Thayer Loom Company. (See Goodline, George, assignor.)						
Crompton-Thayer Loom Company. (See Klinge, Herman F., assignor.)						
Crompton-Thayer Loom Company. (See O'Reilly, Anthony J., assignor.)						
Cromwell, Joseph, Jr., Baltimore, Md. Ash-sifter	760,522	May 24	3846	816	110	918
Crone, Francis G., Buffalo, N. Y. Gas and air mixing burner	766,494	Aug. 2	720	151	111	1197
Crone, Seth A., New York, N. Y. Brake-beam	758,045	Feb. 16	2371	530	108	1602
Crone, Seth A., New York, N. Y. Brake-beam	762,285	June 14	1297	278	110	1741
Crone, Seth A., New York, N. Y. Brake-beam	762,286	June 14	1299	278	110	1741
Crone, Seth A., New York, N. Y. Bolster or other beam for car-trucks	762,287	June 14	1300	279	110	1742
Crone, Seth A., New York, N. Y. Brake-beam	762,288	June 14	1302	279	110	1742

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Crone, Seth A., New York, N. Y. Brake-beam	773,003	Oct. 25	3592	778	112	1792
Cronemeyer, Ernest L., McKeesport, Pa., assignor to American Tin Plate Company, Orange, N. J. Tin-plate catcher	752,016	Feb. 9	2326	520	108	1574
Croner, William, New York, N. Y. Boot or shoe	706,101	July 26	4404	943	111	997
Cronin, John P., assignor of one-half to J. O. Read, Paterson, N. J. Winding-machine	759,585	May 10	2032	420	110	482
Cronin, John R., Grand Rapids, Mich. Sash-lock	775,127	Nov. 15	3138	667	113	740
Cronin, William P., Boston, Mass., assignor to Diamond Rubber Company, Akron, Ohio. Vehicle-tire	764,270	July 5	721	146	111	159
Cronk, William, Montour Falls, N. Y. Wrench	764,353	July 5	903	183	111	198
Crooker, Edwin R., et al. (See Hollingsworth, Isaac N., assignor.)	774,980	Nov. 15	2846	607	113	674
Cronson, Bernard, et al. (See Alexander, Jesse, assignor.)						
Cronson, Reuben, et al. (See Alexander, Jesse, assignor.)						
Cronstedt, Elias. (See Furr, Ole O., assignor.)						
Crook, James W., Burnley, England. Fastener for securing brushes, brooms, hammers, picks, mortise-joints, or the like	769,338	Sept. 6	400	92	112	87
Crooker, Edwin R., et al. (See Hollingsworth, Isaac N., assignor.)						
Croom, Walter H., Memphis, Tenn. Envelop	764,271	July 5	722	146	111	159
Crosbie, Andrew, Millington, Mich. Animal-poke	768,554	Aug. 30	5180	1089	111	2264
Crosby, Charles F., Burlington, Vt. Pruning-shears	764,430	July 5	1063	217	111	236
Crosby, Edwin S., and E. R. Henry, Lake Charles, La. Apparatus for signaling from graves	766,171	Aug. 2	81	6	111	1049
Crosby, George W., Heber, Ark. Gate	762,148	June 7	1021	212	110	1659
Crosby, Oliver, assignor to American Hoist & Derrick Company, St. Paul, Minn. Sling for holding sugar-cane	758,959	May 3	756	150	110	175
Crosby Steam Gage & Valve Co. (See Spencer, George, assignor.)						
Crosier, Charles H., assignor to Mittineague Paper Company, Mittineague, West Springfield, Mass. Manufacture of card or paper sheets	767,329	Aug. 9	2422	508	111	1595
Crosland, Frederick. (See Booth and Crosland.)						
Croslen, William T., Oak Park, assignor to W. O. McCullough, Chicago, and A. C. Brown, Irving Park, Ill. Gas-pressure regulator	776,384	Nov. 29	5731	1212	113	1362
Cross, Albert J., Richmond, Canada. Upholstering for caskets	753,674	Mar. 1	393	150	110	151
Cross, Anson K., Ashland, Mass. Artist's level	761,093	May 24	4913	1041	110	1145
Cross, Charles F., London, England, assignor to D. C. Spruance, Philadelphia, Pa. Purifying viscose	763,266	June 21	2825		110	2189
Cross, Charles F., London, England, and J. Traquair, assignors to Firm of W. Wother- spoon, Paisley, Scotland. Soluble product from starch and making same	778,173	Dec. 20	3382		113	2188
Cross, Edward E., Alansons, Mich. Barrel-support	750,013	Jan. 26	4004	884	108	932
Cross, Frank L., Mystic, Conn., assignor to American Paper Feeder Company, Boston, Mass. Combing-wheel	763,159	June 21	3063	660	110	2144
Cross, Frank L., Mystic, Conn., assignor to American Paper Feeder Company, Boston, Mass. Sheet-registering mechanism	763,160	June 21	3064	660	110	2144
Cross, James F., Columbus, Ark. Harrow	762,388	June 14	1469	661	110	1782
Cross, Jerome A., Fultonville, N. Y. Apparatus for unloading hay, &c.	759,421	May 10	1726	349	110	411
Cross, Marion S., Denver, Colo., assignor of one-half to A. S. Duckworth, Cape Girar- deau, Mo. Antidrip-pitcher	774,739	Nov. 15	2346	508	113	558
Cross, Marion S., assignor of seven-ninths to C. H. Colglazier, S. C. Olney, and R. Al- corn, Denver, Colo. Clothes-line	766,758	Aug. 2	1268	270	111	1322
Cross, William, Calgary, Canada. Washing and drying apparatus for photographic films	762,886	June 21	2538	550	110	2028
Cross, William A., Chicago, Ill. Vertically-moving door	757,178	Apr. 12	1935	423	109	1772
Cross, William A., Chicago, Ill. Vertically-moving door	757,179	Apr. 12	1936	423	109	1773
Cross, William A., Chicago, Ill. Warehouse-door	762,389	June 14	1490	325	110	1782
Cross, William A., Chicago, Ill. Fan or blower	773,548	Nov. 1	35	7	113	12
Cross, William A., Chicago, Ill., assignor of one-half to T. L. Vessey, Washington, D. C. Tie-fastener for packages	760,428	May 24	3655	773	110	872
Cross, William A., Dayton, assignor to N. H. Good, Trenton, Ohio. Churn	758,737	May 3	319	63	110	80
Crossland, George, Watertown, Mass. Warp-croel	777,845	Dec. 20	2731	602	113	2055
Crossley, Bernard, Burnley, assignor to Burnley Automatic Loom, Limited, Manchester, England. Filling-replenishing loom	777,276	Dec. 13	1587	353	113	1794
Crossley, Charles C., New Britain, Conn. Clothes-drier	751,265	Feb. 2	926	210	108	1254
Crossley, Charles C., New Britain, Conn. Molding or beading plane	771,463	Oct. 4	478	108	112	1000
Crossley, Ernest, assignor to Aultman Company, Canton, Ohio. Metal-casting machine	760,523	May 24	3847	816	110	918
Crossley, Ernest, assignor to Aultman Company, Canton, Ohio. Conveyer	760,524	May 24	3850	817	110	919
Crossley, John T., Blytheswood, Canada. Tiling-machine	768,845	Aug. 30	5574	1170	111	2351
Crossley, Joseph, Trenton, N. J. Filter-cloth	772,132	Oct. 11	1848	410	112	1371
Crossley & Sons, John. (See Dennis and Fawthrop, assignors.)						
Crossley, William J., and T. Rigby, Manchester, England. Gas-producer	768,635	Aug. 30	5181	1089	111	2264
Crossman, Abner, et al. (See Abner, Thos., assignor.)						
Crossman, Abner, and A. V. Martin, Chicago, Ill. Supporting device for clothes-horses, &c.	773,787	Nov. 1	479	105	113	112
Crossman, Clarence W., assignor of one-half to V. Cryder, Grand Rapids, Mich. Drill	760,525	May 24	3852	817	110	920
Crossman, Martin R., Boston, Mass. Fountain-pen	757,543	Apr. 19	2679	586	109	1495
Crosswell, John, Westbury, Mass. Sink, bowl, &c.	763,181	July 12	2487	520	111	556
Crosswell, Lewis P., Decatur, Ill. Combined seat-baffle and damper	771,860	Oct. 11	1272	285	112	1245
Crothers, Perl E. (See Terry and Crothers.)						
Crouch, Daniel E., Tollhouse, Cal. Crosscut-sawing apparatus	767,634	Aug. 16	3048	637	111	1753
Crouse, John H. (See Fontaine, Herman A., assignor.)						
Crow, James E., Cleveland, Tenn. Driving mechanism for engines	776,385	Nov. 29	5732	1213	113	1362
Crow, Samuel C., South Sharon, Pa. Nut-lock	748,588	Jan. 5	68	19	108	17
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Hy- draulic press	762,149	June 7	1022	213	110	1660
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Hy- draulic press	764,521	July 5	1255	258	111	274
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Hy- draulic press	764,522	July 5	1256	258	111	274
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Safety controlling-gear for fluid-pressure engines	765,561	July 19	3326	697	111	754
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Hy- draulic press	765,562	July 19	3327	698	111	755
Crowe, Edward, assignor of one-half to Davy Bros., Limited, Sheffield, England. Con- trolling and governing gear for pressure-engines	775,240	Nov. 15	3421	722	113	813
Crowe, John D., Webster, Ind. Plow attachment	757,624	Mar. 29	4692	1044	109	1087

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Crowe, Thomas M., Truro, Canada. Fire-escape	765,726	July 26	3676	784	111	840
Crowell, Albert L., <i>et al.</i> (See Hoyle, George E., assignor.)						
Crowell, Charles H., Swampscott, assignor to Carter, Rice & Company, Boston, Mass. Drier for paper, cloth, &c.	772,695	Oct. 18	2986	655 (1021 1022 1023)	112	1641
Crowell, Charles H., and E. H. Taylor, Lynn, assignors to Carter, Rice & Company, Boston, Mass. Bookbinding-machine	768,521	Aug. 23	4872	111	2179	
Crowell, Edward E., Waterville, assignor of one-half to J. H. Kelleher, Portland, Me. Slack-adjuster for car-brakes	758,423	Apr. 26	4428	951	109	2349
Crowell, Henry M., Maplewood, N. J. Polishing-lathe	749,265	Jan. 12	1463	1312 1313	108	353
Crowell, John H., Vineyard Haven, Mass. Dish	766,427	Aug. 2	562	119	111	1163
Crowell, Luther C., deceased, South Wellfleet; L. F. Crowell, administrator, assignor of one-third to C. F. A. Smith and R. W. Howard, Boston, Mass. Labeling-machine	772,341	Oct. 18	2280	501 502	112	1489
Crowell, Luther F., administrator. (See Crowell, Luther C.)						
Crowley, Frederick O., Oswego, N. Y. Switch-off device for endless conveyers	770,561	Sept. 20	2715	574	112	647
Crowley, James. (See Dickason, Jonathan, assignor.)						
Crowley, James M., Carl Junction, Mo. Pump	754,431	Mar. 15	2450	534	109	570
Crowley, John, Jacksonville, Fla. Making horseshoes	757,275	Apr. 12	2103	459	109	1807
Crowley, John J. (See Heron and Crowley.)						
Crowley, John R., Savannah, Ga. Wheel-lathe	753,675	Mar. 1	882	200	109	191
Crowley, Patrick H., <i>et al.</i> (See Toohar, Jane, assignor.)						
Crown Cork and Seal Co. of Baltimore City. (See Gillette, George H., assignor.)						
Crown Cork & Seal Company. (See Coale and Greensfelder, assignors.)						
Crowner, James M. and S. R. Marion, Iowa. Stove or furnace	758,051	Apr. 26	3679	798	109	2185
Crowner, States R. (See Crowner, James M. and S. R.)						
Crowson, William L., Memphis, Tenn. Cotton-seed separator and cleaner	763,858	June 28	4428	964	110	2459
Crowther, Harry. (See Ward, Edward, assignor.)						
Crowther, Matthias, West Pittston, Pa. Self-regulating oil-cup	753,859	Mar. 8	1293	291	109	299
Croxford, John S., Newport, Me. Game-table	757,440	Apr. 19	2458	537	109	1898
Crozier, Alfred O. (See Jaques, William E., assignor.)						
Crozier, Harry C., assignor of one-half to L. B. Clegg, San Antonio, Tex. Ruling-machine	774,718	Nov. 8	2272	491 492	113	521
Cruget, Ellis E., Stevesville, Mo. Auto-harvester	757,890	Apr. 19	3357	735	109	2094
Cruikshank, Arthur B., London, England, assignor to himself, and A. E. Rykert, Paris, France. Mouthpiece for telephone-transmitters	777,607	Dec. 13	2260	496	113	1938
Cruikshank, James, New York, N. Y., and C. S. Burnham, Philadelphia, Pa.; said Burnham assignor to said Cruikshank. Safety appliance for elevators	754,432	Mar. 15	2453	534 535	109	571
Cruikshank, Ernest W., Baltimore, Md. Record-leaf	759,679	May 10	2216	456	110	518
Cruikshank, James K., <i>et al.</i> (See Cruikshank, William Y., assignor.)						
Cruikshank, John C., <i>et al.</i> (See Cruikshank, William Y., assignor.)						
Cruikshank, William Y., assignor of one-half to N. Maley, Freeland, Pa. Manufacture of artificial-fuel blocks	755,278	Mar. 22	4099		109	931
Cruikshank, William Y., assignor of one-half to J. C. and J. K. Cruikshank, Freeland, Pa. Compensating device	758,584	Apr. 26	4734	1020 1021	109	2417
Cruise, Alexander, assignor of one-half to H. Purcell, Elizabeth Port, N. J. Ferrule for boiler-tubes	762,807	June 14	2369	515	110	1970
Crum, Charles A., Brunswick, Ga. Pile-sawing machine	763,161	June 21	3066	661	110	2144
Crum, James B., Homeland, Fla. Fruit-sorter	764,919	July 12	2100	495	111	476
Crumb, George H., Bloomfield, Mo. Mop-holder	756,100	Mar. 29	5640	1245	109	1299
Crumbaugh, Beverly C., <i>et al.</i> (See Parsons, Robert L., assignor.)						
Crumbly, Henry L. (See Wilson and Crumbly.)						
Crumme, John C. (See Clark and Crumme.)						
Crumley, James, Grand Rapids, Mich. Warning-signal for railway-crossings	750,264	Jan. 26	3426	740	108	812
Crumley, James, Grand Rapids, Mich. Railway-signal	773,718	Nov. 1	356	79	113	84
Crump, Edward B. (See Clayton and Crump.)						
Crump, Samuel, Poughkeepsie, N. Y. Machine for cleaning printers' rollers	753,958	Mar. 8	1493	334	109	345
Crump, Samuel, Poughkeepsie, N. Y. Making printers' rollers	753,959	Mar. 8	1496	335	109	345
Crump, Samuel, Poughkeepsie, N. Y. Machine for cleaning printers' rollers	753,960	Mar. 8	1498	335	109	346
Crunican, Alphonus M., London township, county of Middlesex, Canada. Air-motor or windmill	756,216	Apr. 5	43	10 11 12	109	1351
Cruise, Amandus H., assignor to R. Hoe, New York, N. Y. Ejecting mechanism for stereotype-shaving machines	776,499	Dec. 6	43	11	113	1434
Cruiser, Nephi, and J. W. Clement, Fairview, Utah. Incubator	751,383	Feb. 2	1126	256	108	1298
Crush, Charles L., Louisville, Ky. Horseshoe	775,926	Nov. 29	5317	1102	113	1244
Crutchfield, Rosa A., Richmond, Va. Collapsible box	765,356	July 19	2917	609	111	667
Cruthers, John, Naco, Ariz. Ter. Draft attachment for harness	759,499	Mar. 22	4381	610	109	1004
Cruttenden, Henry L., Northfield, Minn. Dental-cement-injecting tube	749,946	Jan. 19	2641	564	108	624
Cryder, Val. (See Crossman, Clarence W., assignor.)						
Csanitz, Franz, Vienna, Austria-Hungary. Car-fender	766,428	Aug. 2	563	119	111	1163
Csik, Istvan, Stockton, Cal. Blotting-pad	752,146	Feb. 16	2557	569	108	1644
Cuatt, Lewis, Union City, Mich. Expanding mold	770,677	Sept. 20	2394	623	112	696
Cuccotti, Giuseppe A. (See Dickson and Cuccotti.)						
Cuddick, John F. (See Lovejoy, George W., assignor.)						
Cuddy, Thomas F., Lawrence, Mass. Pulley-shaft	754,052	Mar. 8	1666	370	109	383
Cudmore, Robert J., Toronto, Canada. Vehicle-wheel	768,169	Aug. 23	4167	876 877	111	2020
Cullin, Gustav A. A., Hamburg, Germany. Portable furnace for heating rails	778,117	Dec. 20	3285	732	113	2165
Cull, James B., <i>et al.</i> (See Gerdes, Henry A., assignor.)						
Cullen, Pierce C., Chattanooga, Tenn. Trousers-guard	777,715	Dec. 20	2456	539	113	1997
Cullman, Joseph F., <i>et al.</i> (See Deal, William M., assignor.)						
Culman, Carl, St. Louis, Mo. Chuck for refinishing shaft-pivots	760,314	May 17	3445	726	110	809
Culp, Edward E., Springfield, Ohio. Clover-buncher	775,002	Nov. 15	2879	615	113	681
Culp, Frank S. (See Muth and Culp.)						
Culp, George W., Lyndon, Ill. Corn-harvester	758,738	May 3	320	63, 64	110	80
Culp, George W., Lyndon, Ill. Straw-stacker	758,739	May 3	328	64, 65	110	81
Culpepper, Joseph W., Hub, Miss. Band-saw guide	758,619	May 3	28	6	110	9
Culter, Richard A., Peoria, Ill. Hot-blast air-feeding center tube	758,237	Apr. 26	4041	877	109	2202
Culver, Walter L., assignor to Wrought Iron Range Co., St. Louis, Mo. Steam-jacketed kettle	770,045	Sept. 13	1722	364	112	406
Culver, Willard B., Carbondale, Pa. Window	775,522	Nov. 22	4014	847	113	963

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Cumback, William E. (See Stenberg, Sven A., assignor.)						
Cumback, William E., San Francisco, Cal. Roller for laundry-machines.	751,836	Feb. 9 1961	445		108	1493
Cumberland Steel Company. (See Muncaster, Walter J., assignor.)						
Cuming & Company, M. A. (See Cuming, Mari A., assignor.)						
Cuming, Mari A., assignor to M. A. Cuming & Company, New York, N. Y. Hat-shaping machine.	755,365	Mar. 23 4206	931		109	969
Cummer, Albert E., Cleveland, Ohio. Calcining alumina sulfate, &c.	769,534	Sept. 6 778	167 168		112	176
Cumming, Benjamin W., Jr. (See Copeland, James C., assignor.)						
Cumming, Benjamin W., Jr., et al. (See Copeland, James C., assignor.)						
Cumming, Paul, Keywest, Fla. Ruler.	772,696	Oct. 18 2989	656		112	1642
Cummings, Arthur F. (See Smart, Herbert D., assignor.)						
Cummings, George K., Cent Rutland, Vt. Prismatic window	767,799	Aug. 16 3334	705		111	1817
Cummings, Harry A., Del Paso, Cal. Bridge-bit	751,901	Feb. 9 2084	471		108	1523
			13 14 15		108	1071
Cummings, Henry H., Malden, Mass. Coin-controlled apparatus.	750,819	Feb. 2 61				
Cummings, Henry H., Malden, assignor to Boston Spiral Tagging Company, Hingham, and F. L. Emery, trustee, Boston, Mass. Lacing	765,226	July 19 2656	533		111	611
Cummings, Henry H., Malden, assignor to Boston Spiral Tagging Company, Hingham, and F. L. Emery, trustee, Boston, Mass. Lacing	765,227	July 19 2658	533		111	612
Cummings, John S., Brooklyn, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Photographic-printing apparatus.	762,467	June 14 1674	362		110	1821
Cummings, John S., New York, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Photographic-printing apparatus.	762,468	June 14 1678	362		110	1822
Cummings, John S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing device	772,342	Oct. 18 2290	502		112	1491
Cummings, John S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing-frame support	773,555	Nov. 22 4112	865		113	964
Cummings, Rinaldo L., Paris, Me. Barrel-heading press.	773,629	Nov. 1 174	38		113	44
Cummings, Robert A., Beaver, Pa. Concrete-and-metal structure.	761,287	May 31 5418	1152		110	1271
Cummings, Robert A., Beaver, Pa. Concrete-and-metal structure.	761,288	May 31 5420	1152		110	1271
Cummings, Robert A., Beaver, Pa. Metal-and-concrete column.	764,883	July 12 2015	416		111	457
Cummings, Robert A., Beaver, Pa. Metal-and-concrete girder.	764,884	July 12 2017	416		111	458
Cummings, William A., Spokane, Wash. Machine for attaching, tightening, and clamping wire hose-bands	761,151	May 31 5141	1092		110	1213
Cummins, Albert B., Eureka, Cal. Shingle-machine	759,867	May 17 2593	542		110	617
Cummins, Albert W., New York, N. Y. Comb.	749,533	Jan. 12 2028	421		108	474
Cummins, Edwin Z. (See Stansbury and Cummins.)						
Cummins, Mark. (See Mitchell and Cummins.)						
Cummins, Ridley T., and O. P. Irie, Sheffield, Ala. Cuspidor for cars.	760,964	May 24 4745	1010		110	1108
Cummoek, Robert L., Anderson, S. C. Spinning and twisting apparatus.	752,760	Dec. 23 3747	836		108	1925
Cummoek, Robert L., Anderson, S. C. Automatic threading device	762,887	June 21 2540	551		110	2028
Cummoek, Robert L., assignor of forty-nine one-hundredths to J. A. Brock and R. E. Ligon, Anderson, S. C. Automatic threading device for loom-shuttles. (Reissue.)	12,320	June 14 2504	541		110	2000
Cuningham, John H., Syracuse, N. Y. Automatic cut-off for water-gages.	754,300	Mar. 8 1929	430		109	442
Cunliffe, James H., and T. E. Taylor, Streator, Ill. Wire-glass machine.	766,429	Aug. 2 564	120		111	1163
Cunliffe, Joseph H., and J. Law, Rochdale, England. Loom for weaving bordered fabrics	751,384	Feb. 2 1398	256		108	1298
Cunneen, Peter, New Rochelle, N. Y. Washing-machine.	751,149	Feb. 2 470	154		108	1303
Cunneen, Peter, New Rochelle, N. Y. Washing-machine	769,818	Sept. 13 1302	276		112	314
Cunniff, Edward, New Bedford, assignor to Draper Company, Hopedale, Mass. Filling-detecting mechanism for looms.	749,364	Jan. 12 1660	355 356		108	400
Cunning, James, Indianapolis, Ind. Mold for marking meat products.	755,112	Mar. 22 3738	821		109	869
Cunning, James, Indianapolis, Ind. Multiple-can-filling machine	768,323	Aug. 2 384	31		111	1123
Cunningham, Alexander T., Milwaukee, Wis. Alarm mechanism	760,526	May 24 3853	818		110	920
Cunningham, Alexander Y., assignor to D. F. Briggs Company, Attleboro, Mass. Locket.	758,473	Mar. 1 470	110		109	102
Cunningham, Andrew C., Washington, D. C. Floating dock	749,171	Jan. 12 1260	272		108	309
Cunningham, Andrew C., New Orleans, La. Injector-burner	771,464	Oct. 4 479	108		112	1060
Cunningham, Andrew C., Annapolis, Md. Injector-burner	771,465	Oct. 4 480	108		112	1060
Cunningham, Clara H., assignor of one-half to J. R. Edson, Washington, D. C. Corset-stay	758,585	Apr. 26 4736	1021		109	2418
Cunningham, Clara H., assignor of one-half to J. R. Edson, Washington, D. C. Guide for fur or carpet sewing machines	770,678	Sept. 20 2995	623		112	697
Cunningham, Frank R., Medford, assignor to Bigelow, Kennard & Co., Boston, Mass. Block for waxes or other mechanism	764,885	July 12 2021	416		111	458
Cunningham, James, Florence, Mass. Flask connection	760,105	May 17 3054	639		110	722
Cunningham, James R., Galesburg, Ill. Artificial limb	778,199	Oct. 25 4168	880		112	1926
Cunningham, John F. (See Salom, John, assignor.)						
Cunningham, John F., Springfield, Mo. Flush-tank	760,965	May 24 4747	1011		110	1109
Cunningham, John T. (See Elixman, Cunningham, and Shevlin.)						
Cunningham, Martin J., and E. Jenkin, Springfield, Mo. Continuous rail for railways.	758,620	May 3 29	6		110	10
Cunningham, Robert J. (See Lindsay and Cunningham.)						
Cunningham, Roy N., and J. W. McPherson, Columbus, Ohio. Mixing-machine	772,697	Oct. 18 2991	656		112	1642
Cunningham, Stewart, Turtlecreek, Pa. Combined gas controller and igniter for explosive-engines	750,349	Jan. 26 3590	777 778		108	850
Cunningham, William, assignor to M. Straub, Denver, Colo. Tobacco-pipe	749,266	Jan. 12 1465	313		108	343
Cunningham, William E., Houston, Tex. Fumigator	752,657	Feb. 23 3662	793		108	1884
Cunningham, William R., assignor to American Clay Working Machinery Company, Bucyrus, Ohio. Brick or tile cutting machine.	764,272	Aug. 5 723	147 148		111	161
Cunningham, William R., assignor to American Clay Working Machinery Company, Bucyrus, Ohio. Machine for making hollow blocks	767,737	July 16 3214	677		111	1790
Cunningham, William R., assignor to American Clay Working Machinery Company, Bucyrus, Ohio. Brick or tile cutting machine	775,800	Nov. 22 4590	973 974		113	1086
Cunningham, William R., assignor to American Clay Working Machinery Company, Bucyrus, Ohio. Measuring-drum for clay-working machinery	777,081	Dec. 13 1242	273		113	1719
Cunningham, William R., assignor to American Clay-Working Machinery Company, Bucyrus, Ohio. Tilt-press	777,277	Dec. 13 1591	354		113	1795
Cuntz, Gregor R. F. H., Hamburg, Germany, assignor of one-half to C. M. Barnett and C. J. Hargreaves, Norfolk, Va. Water-tube boiler	749,129	Jan. 5 1158	245 246		108	268
Cupler, Adam, Jr., deceased. (See Ernst and Cupler.)						
Curd, Calvin W., Bowling Green, Ky. Automatic railway-gate	753,676	Mar. 1 883	200		109	192
Curfman, George W., assignor of one-half to J. W. Cortis, Cleveland, Ohio. Car-wheel.	767,041	Aug. 9 1882	391		111	1476
Curlee, Meridith P., McKees, Ala. Post-hole borer	753,239	Mar. 1 47	12		109	13
Curley, Michael S., Gulfport, Miss. Stake-pocket	766,673	Aug. 2 1103	229		111	1287

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Curley, W. & L. E. (See Hubbard, Elmer W., assignor.)						
Curran, Edward J., Bathurst, New South Wales, Australia. Drafting garment-patterns.	758,826	May 3	489	97 98 99	110	118
Curran, Edward T., Philadelphia, Pa. Hydrocarbon-burner.	777,665	Dec. 20	2370	521	113	1978
Curran, Frank, Susquehanna, Pa. Tire-gage.	752,526	Feb. 16	3279	731	108	1804
Curran, George M., Middletown, N. Y. Machine for grinding the packing-rings and slide-valves in air-brake triples and engineers' valves.	762,469	June 14	1682	363	110	1823
Curran, James L., Rocklin, Cal. Feed-valve.	763,162	June 21	3072	662	110	2146
Curran, Philip B., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Burner.						
Currence, Harlan, and I. MacIvor, Canada. Mo. Street-railway crossing	763,728	June 28	4177	910	110	2407
Currey, Enos P., Wellington, Kans. Listing-clew	763,841	June 21	3397	739	110	2217
Currie, John W., assignor of one-half to M. A. Currie, Topeka, Kans. Windmill.	755,113	Mar. 22	3739	821	109	869
Currie, Mark A. (See Currie, John W., assignor.)	764,920	July 12	2102	436	111	477
Currie, Stanley C. C., assignor of one-half to W. Courtenay, New York, N. Y. Extracting precious metals from their ores						
Currier, Charles W., Columbus, Ohio. Gas-burner-valve-operating device	769,254	Sept. 6	231	-----	112	50
Currier, John J., Gloucester, Mass. Side light for vessels.	774,508	Nov. 8	1868	406	113	433
Currier, John W., North Troy, Vt. Tablet-holder for telephones	752,959	Feb. 23	4176	930	108	2021
Currier, William W. (See Moore and O'Neill, assignors.)	778,448	Dec. 27	3953	859	113	2327
Curry, James, assignor of one-half to F. C. White, Rockford, Ill. Water-tower.						
Curry, James A. (See Taylor, Horace H., assignor.)	763,372	June 28	3497	755	110	2261
Curry, James H. (See Kann and Curry.)						
Curry, John A., Keywest, Fla. Double or compound capstan	754,974	Mar. 22	3506	768	109	817
Curry, Samuel, Innisfail, Alberta, Canada. Trine-holder.	763,729	June 28	4180	910	110	2407
Curtain Supply Company. (See Burrows, Edward T., assignor.)						
Curtain Supply Company. (See Davis, George H., assignor.)						
Curtain Supply Company. (See Forsyth, George H., assignor.)						
Curtain Supply Company. (See Forsyth, William H., assignor.)						
Curtain Supply Company. (See Hopkins, Charles L., assignor.)						
Curtain Supply Company. (See Miller, Walter S., assignor.)						
Curtain Supply Company. (See Paterson, James W., assignor.)						
Curtain Supply Company. (See Vogel and Miller, assignors.)						
Curtain Supply Company. (See Whitmore, Edward E., assignor.)						
Curtin, David E., et al. (See Dohrer, Henry J., assignor.)						
Curtin, David F., Butte, Mont. Writing-tablet.	755,625	Mar. 29	4693	1044	109	1087
Curtis, Alphonso D. (See Boland, Frederick A., assignor.)						
Curtis, Andrew J. (See Lackner and Curtis.)						
Curtis, Charles G., New York, N. Y. Apparatus for governing elastic-fluid turbines	749,476	Jan. 12	1926	899 400	108	452
Curtis, Charles G., New York, N. Y. Steam-boiler	754,128	Mar. 8	1806	402	109	415
Curtis, Charles G., New York, N. Y. Elastic-fluid turbine	760,106	May 17	3055	639	110	722
Curtis, Charles G., New York, N. Y. Sectional nozzle for turbines.	774,567	Nov. 8	1981	430	113	457
Curtis, Charles G., New York, N. Y. Elastic-fluid turbine	778,224	Dec. 27	3478	765	113	2326
Curtis, Charles L., et al. (See Epple, Carl H., assignor.)						
Curtis, Edmund A., assignor to F. B. Tait, Decatur, Ill. Car-truck	775,207	Nov. 15	3306	706	113	779
Curtis, Edward K., assignor of two-thirds to S. H. Carney, New York, N. Y., and W. Watt, Elizabeth, N. J. Electromagnetic-type-writing-machine-actuating mechanism.	765,960	July 26	4111	879	111	936
Curtis, Evangeline, et al. (See Horstall, William, assignor.)						
Curtis, Frank H., Canton, Ohio. Window-cleaner	770,453	Sept. 20	2497	530	112	597
Curtis, Frederic A., Indianapolis, Ind., assignor of one-half to J. E. Elder, Nashville, Tenn. Gear mechanism for boot or shoe blacking and polishing machines.	771,861	Oct. 11	1273	285	112	1246
Curtis, Freeman L., Barborton, Ohio. Work-clamping dog.	764,523	July 5	1258	258	111	275
Curtis, Gerard O., Hartford, Conn. Safety-guard.	750,265	Jan. 26	3427	741	108	812
Curtis, Henry, Kenosha, Wis. Machine for unraveling knitted fabric.	772,458	Oct. 18	2524	554	112	1542
Curtis, J. Harrison, assignor to H. D. Lane and N. Kahn, Indianapolis, Ind. Registering device for weighing-scales	776,117	Nov. 29	5219	1103 1104	113	1244
Curtis, Jeremiah J., Jersey City, N. J. Helmet	753,047	Feb. 23	4342	966	108	2059
Curtis, Wallace B., Jamestown, N. Y. Bale-tie	749,847	Jan. 19	2641	565	108	625
Curtis, Winfield, Sacramento, assignor of one-half to E. F. May, San Francisco, Cal. Water-purifying-tank attachment	769,856	Sept. 13	1377	294	112	330
Curtiss, Charles E., assignor to International Harvester Company, Chicago, Ill. Feeder for shredding-machines.	758,986	May 3	643	128	110	151
Curtiss, Dorothy W., Brooklyn, N. Y. Garment-holding attachment for trunks	749,959	Jan. 19	2855	610	108	671
Curtiss, Dorothy W., Brooklyn, N. Y. Garment-protector	753,474	Mar. 1	471	110	109	103
Curtiss, Edgar W., assignor of one-half to G. Fronhofer, Baker City, Oreg. Device for holding-candles.	766,599	Aug. 2	940	198	111	1250
Curtiss, J. Guernsey, Rochester, N. Y. Golf-club	753,677	Mar. 1	886	200	109	192
Curtiss, John C. (See Bigelow, Claude, assignor.)						
Curwen, Samuel M., assignor to J. A. Brill, Philadelphia, Pa. Car	761,626	May 31	6032	1294	110	1410
Curwen, Samuel M., assignor to J. A. Brill, Philadelphia, Pa. Car	774,988	Nov. 15	2757	591	113	651
Curwen, Samuel M., Villanova, assignor to J. A. Brill, Philadelphia, Pa. Car	761,627	May 31	6034	1294	110	1410
Curwen, Samuel M., Villanova, assignor to J. A. Brill, Philadelphia, Pa. Car	761,628	May 31	6034	1295	110	1411
Cuscaeden, Geo. W., Sr. (See Klotz, Frederick C., assignor.)						
Cushing, Samuel D., Washington, D. C. Railway-signal	776,386	Nov. 29	5734	1213	113	1363
Cushing, William T., and H. G. Johnston, Corsicana, Tex. Apparatus for maintaining a continuous flow of sand-carrying oil from wells.	762,806	June 14	2370	515	110	1971
Cushman, Joseph W. (See Carpenter, Daniel A., assignor.)						
Cushman, Leslie H., Lakewood, N. J. Electric alarm-clock	753,240	Mar. 1	48	12	109	13
Cusson, Georges. (See Renault and Cusson.)						
Custead, William D., assignor of one-half to E. Manrara, New York, N. Y. Variable-speed mechanism	768,736	Aug. 30	5347	1126 1127	111	2301
Custead, William D., assignor of one-half to E. Manrara, New York, N. Y. Variable-speed mechanism	771,046	Sept. 27	3662	771 772	112	873
Custer, Joseph M., Graysville, assignor of three-fourths to Graham Lumber Company, Christiansburg, Va. Shingle-sawing machine.	751,719	Feb. 9	1725	392	108	1442
Custer, Scott C., Knoxville, Tenn. Drawers-supporter.	771,553	Oct. 4	269	60	112	1018
Cutler, Frederick, Wellingborough, England. Combined pulling-over and lashing machine	765,273	July 19	2743	571 572	111	631
Cutler-Hammer Manufacturing Company. (See Barnum, Thomas E., assignor.)						
Cutler-Hammer Manufacturing Company. (See Carpenter, Charles E., assignor.)						
Cutler-Hammer Manufacturing Company. (See Cutler, Henry H., assignor.)						
Cutler-Hammer Manufacturing Company. (See Wiegand, Henry J., assignor.)						
Cutler-Hammer Mfg. Co. (See Horton, Albert J., assignor.)						
Cutler, Henry H., Milwaukee, Wis. Motor-controller.	765,460	July 19	3135	657 658	111	712

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Cutler, Henry H., Milwaukee, Wis. Rheostat.....	777,246	Dec. 13	1531	340	113	1782
Cutler, Henry H., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Controller for electrical vehicles.....	776,220	Nov. 29	5424	(1149) 1150 (1151)	113	1292
Cutler, Henry H., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. System for controlling electric motors.....	777,778	Dec. 20	2568	569	113	2022
Cutler, Joseph W., Rochester, N. Y. Mail-chute.....	758,128	Apr. 26	3832	832	109	2217
Cutler, Joseph W., Rochester, N. Y. Card or label holder.....	777,082	Dec. 13	1244	273	113	1720
Cutler, William H., Freeport, assignor to Ringless Supplies Company, New York, N. Y. Curtain-pole.....	773,568	Dec. 27	4176	911	113	2375
Cutter Electrical and Manufacturing Company. (See Scott, William M., assignor.)						
Cutter, Frank A., Springfield, Mass. Shoe-polisher.....	774,380	Nov. 8	1623	348	113	382
Cutter, George A., Nashua, N. H. Belt.....	765,819	July 26	3867	823	111	881
Cutter, George F. (See Howden, William N., assignor.)						
Cutter, Horace L. (See Owen, Thomas R., assignor.)						
Cutter, Horace L., Los Angeles, Cal. Hygienic appliance for mouthpieces.....	771,128	Sept. 27	3830	809	112	912
Cutter, Oliver C., Palestine, Tex. Harrow or cultivator.....	760,527	May 24	3856	818	110	920
Cutter, Scott C., Oswego, Ill. Insulator.....	758,757	Apr. 26	3920	851	109	2237
Cutting, Henry, Buffalo, N. Y. Powder and liquid distributing device.....	773,852	Nov. 1	630	134	113	146
Cutting, Otis, assignor of one-half to M. J. O'Donnell, Seattle, Wash. Reversible rotary snow-plow.....	749,172	Jan. 12	1261	272	108	309
Cutts, Charles D., Toronto Junction, Canada. Window-screen.....	750,266	Jan. 26	3428	741	108	813
Cuveller, Léonce, New York, N. Y. Hair-drier.....	761,451	May 31	5722	1219	110	1342
Cyanid-Gesellschaft mit Beschränkter Haftung. (See Voigt and Frank, assignors.)						
Cyanid-Gesellschaft mit Beschränkter Haftung. (See Erlwein, Georg, assignor.)						
Cyphers, Gideon E. (See Black, Charles F., assignor.)						
Cyphers, Gideon E. (See Knott, Jasper N., assignor.)						
Cyr, Joseph. (See Moulton, Ira C., assignor.)						
Cyr, Joseph T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Friction clutch-pulley.....	763,506	June 28	3913	851	110	2350
Czedik, Otto von. (See Meinong, Rafael von, assignor.)						
Czerweny, Franz, Deutschlandsberg, near Gratz, Austria-Hungary. Appliance for isolating match-sticks.....	757,180	Apr. 12	1937	423	109	1773
D. F. Briggs Company. (See Cunningham, Alexander Y., assignor.)						
D. F. Briggs Company. (See Epple, Albert, assignor.)						
D. M. Osborne & Company. (See Doering, Charles, assignor.)						
D. M. Osborne and Company. (See Kennedy and Sharp, assignors.)						
D. M. Osborne & Company. (See Sharp, Charles S., assignor.)						
D. & W. Fuse Company. (See Downes, Louis W., assignor.)						
D'Alessandro, Julius, Walnutgrove, Cal. Support for buggy-tops.....	753,026	Feb. 23	4304	956	108	2052
D'Alessio, Agostino, New York, N. Y. Measuring device for garments.....	760,966	May 24	4748	1011	110	1109
D'Angelo, Rosario, Oswego, N. Y. Ironing-machine.....	755,752	Mar. 29	4355	1102	109	1147
D'Arcy, Frank P., Kalamazoo, Mich. Spring.....	773,812	Oct. 25	4379	926	112	1971
D'Arst, Fortunato M., New York, N. Y. Automatic gas-lighter.....	770,267	Sept. 20	2138	449	112	514
D'Ayguessives, Jean. (See Romain and D'Ayguessives.)						
D'Estes, Carlo, Homestead, and J. B. Kram, Allegheny, Pa. Cell-board for reed-organs.....	755,463	Mar. 22	4387	972	109	1005
D'Heureuse, Richard J. A., Berlin, Germany, assignor of one-half to H. Hill & Co., Limited, Nottingham, England, and Berlin, Germany. Incandescent mantle.....	765,179	July 19	2578	539	111	593
D'Huyvetters, August, Paterson, N. J. Wrist-stop mechanism for looms.....	755,464	Mar. 22	4388	972	109	1005
D'Isepo, Giuseppe A., Passaic, N. J. Portable mortising chain cutter.....	754,753	Mar. 15	3082	673	109	708
D'Olier, Henry, Jr., Philadelphia, Pa. Balanced cord-drop attachment.....	766,497	Aug. 2	727	152	111	1199
D'Olier, Henry, Jr., Philadelphia, Pa. Balanced cord-drop attachment.....	766,800	Aug. 2	1384	288	111	1350
D'Olier, Henry, Jr., Philadelphia, Pa. Electric-lamp attachment.....	767,875	Aug. 16	3499	740	111	1851
D'Olier, William L., Philadelphia, Pa. Electrical drive for centrifugals.....	762,988	June 21	2718	1591	110	2068
D'Olier, William L., assignor of one-half to G. M. Newhall, Philadelphia, Pa. Fireproof-shutter system.....	776,225	Nov. 29	5444	1153	113	1297
Da Costa, Isaac, et al. (See Ronsdorf, August, assignor.)						
Dade, Harry E., Mount Vernon, N. Y. Binder.....	762,150	June 7	1024	(213) 214	110	1660
Dade, Harry E., Mount Vernon, N. Y. Binder and lock therefor.....	769,857	Sept. 13	1379	(294) 295	112	330
Daellenbach, Charles R., Ellwood City, Pa. Two-cycle explosion-engine.....	765,357	July 19	2919	610	111	668
Daggett, Herbert M., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Light-reflector.....	760,830	Feb. 9	70	15	108	1073
Daggett, William A., Vineland, N. J. Trolley for electric cars.....	753,552	Mar. 1	648	146	109	142
Dahill, Edward F., and J. R. Goddard, New Bedford, Mass. Machine for raising or lowering ladders.....	754,282	Mar. 8	2061	464	109	474
Dahl, Charles A., Boston, Mass., assignor to Reece Buttonhole Machine Company, Portland, Me. Buttonhole-sewing machine.....	749,721	Jan. 19	2398	507	108	571
Dahl, Charles A., assignor to Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine.....	749,776	Jan. 19	2512	534	108	597
Dahl, Hans, Berlin, Germany. Automatic rotary speed-indicator.....	774,964	Nov. 15	2794	(597) 598	113	659
Dahl, Johannes J., Gross-Flottbeck, Germany. Machine for sharpening twist-drills.....	777,247	Dec. 13	1534	(340) 341	113	1782
Dahlen, Charles A., Farwell, Minn. Draft-equalizer.....	751,470	Feb. 9	1269	290	108	1345
Dahlgren, Charles J., New York, N. Y., assignor of one-half to E. Hopkinson, East Orange, N. J. Penholder.....	748,589	Jan. 5	69	19	108	17
Dahlke, Hermann, Sömmerda, Germany. Fuse for projectiles.....	749,534	Jan. 12	2029	422	108	474
Dahlgvist, Johan A., and C. L. Holm, assignors to Nya Aktiebolaget Radiator, Stockholm, Sweden. Centrifugal liquid-separator.....	770,679	Sept. 20	2940	624	112	697
Dahlgvist, John A., assignor to Nya Aktiebolaget Radiator, Stockholm, Sweden. Centrifugal liquid-separator.....	752,284	Feb. 16	2826	627	108	1706
Dahlstrom, Edward, et al. (See Bloomqvist, Fredrik J., assignor.)						
Dahlström, John, Pittsburg, Pa., assignor to American Steel and Wire Company. Horse-shoe-machine.....	760,382	May 17	3563	(750) 751 752	110	836
Dahlund, Frank, Esmond, N. D. Door-brace.....	776,892	Dec. 6	869	186	113	1618
Dahly, Charles L., Decorah, Iowa. Horseshoe-calk.....	750,614	Jan. 26	4085	894	108	952
Dahman, William H., assignor to A. Geisel Manufacturing Company, St. Louis, Mo. Knockdown oven.....	758,699	May 3	845	129	110	152
Dahmen, Hans von, assignor to Firma G. Roth, Vienna, Austria-Hungary. Explosive.....	770,046	Sept. 13	1723	112	112	407
Dahmen, Hans von, assignor to Firma G. Roth, Vienna, Austria-Hungary. Explosive.....	770,047	Sept. 13	1723	112	112	407
Daigneault, Joseph, Buffalo, N. Y. Spring bed-bottom.....	750,821	Feb. 2	71	16	108	1073

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Dailey, Amos O. (See Dailey, Lewis G. and A. O.)						
Dailey, Charles I., Cleveland, Ohio. Discharging device for furnaces	751,720	Feb. 9	1728	392	108	1449
Dailey, Joseph T., St. Louis, Mo. Attachment for boots	750,997	Jan. 19	3125	671	108	725
Dailey, Lewis G., and A. O., Binghamton, N. Y. Railway-tie	765,563	July 19	3829	698	111	755
Dailey, Wilber M., New York, N. Y. Dental appliance	750,615	Jan. 26	4087	888	108	953
Dailey, Wilber M., New York, N. Y. Casting impressions of the teeth and mouth	752,378	Feb. 16	3002	669	108	1746
Daily, Charles E., <i>et al.</i> (See Van Meter, James M., assignor.)						
Daily, Irvin J., assignor to Henricks Novelty Company, Indianapolis, Ind. Pulley-driving mechanism	757,891	Apr. 19	3857	735	109	2094
Daily, John W., Boston, Mass. Pendulum	753,475	Mar. 1	472	111	109	108
Daimler Manufacturing Company. (See MacMulklin, John J., assignor.)						
Daisy Manufacturing Company. (See Burrows, William J., assignor.)						
Dake, Charles W., Grand Rapids, Mich., assignor to Advance Machinery Company, Toledo, Ohio. Miter-cutting machine	761,361	May 31	5569	1186	110	1307
Dake, Charles W., Grand Rapids, Mich., assignor to Advance Machinery Company, Toledo, Ohio. Dovetailing-machine	761,452	May 31	5723	1219 (1120)	110	1342
Dalberg, Salmon W., <i>et al.</i> (See Ruggles, Harry A., assignor.)						
Dale, Frank, <i>et al.</i> (See Wishart, William, assignor.)						
Dale, John H., New York, N. Y. Cluster-socket	757,441	Apr. 19	2460	537	109	1898
Dale, John H., New York, N. Y. Cluster-socket	757,666	Dec. 20	3871	531	113	1978
Dales, Frederick, Binghamton, N. Y. Luggage-carrier	757,892	Apr. 19	3859	735	109	2095
Daley, Dennis W., Parkersburg, W. Va. Porous evaporator	765,165	July 19	2556	534	111	589
Daley, John B. (See Proctor and Daley.)						
Daley, Michael H., Charles City, Iowa. Speed-regulator for explosion-engines	773,118	Nov. 29	5826 (1105)	1124 (1105)	112	1246
Daley, Michael R., Fall River, Mass. Safety gas-cock	750,822	Feb. 2	73	16	108	1073
Daley, William J., Oswego, N. Y. Lumber-truck	767,635	Aug. 16	3049	637	111	1753
Dalgaty, Herbert, East Yonkers, N. Y. Multiple sawing apparatus	766,495	Aug. 2	721	151	111	1197
Dallinger, Frank W., Cambridge, Mass. Apparatus for making coffee or the like	749,777	Jan. 19	2517	535	108	598
Dallmer, Thomas R., county of Middlesex, England. Photographic lens	758,773	Apr. 5	1123	247	109	1583
Dally, Henry E., Kennard, Nebr. Beet-harvester	762,390	June 14	1492	325	110	1782
Dalton, Fitzgerald V., St. Neots, England. Lifting-jack	752,656	Feb. 23	3561	793	108	1884
Dalton, Francis M., and J. G. Walker, Mardock, Okla. Ter. Cotton-picker's bag	749,722	Jan. 19	2403	508	108	573
Dalton, Harry M., Cincinnati, Ohio. Device for compressing and opening cigar-molds	774,648	Nov. 8	2120	963	113	486
Dalton, Harry M., Cincinnati, Ohio. Time-lock	775,525	Nov. 22	4015	947	113	963
Dalton, William, Schenectady, assignor to American Locomotive Company, New York, N. Y. Electric-car truck	776,303	Nov. 29	5569	1180	113	1325
Dalton, William, Schenectady, assignor to American Locomotive Company, New York, N. Y. Electric-car truck	776,304	Nov. 29	5571	1181	113	1325
Dalton, William, and F. J. Cole, Schenectady, assignors to American Locomotive Company, New York, N. Y. Electric locomotive	755,460	Mar. 22	4382	971	109	1004
Daly, Benjamin F., Brooklyn, N. Y. Thawing-off tank	765,166	July 19	2557	534	111	589
Daly, Benjamin F., New York, N. Y. Ice-tank	766,600	Aug. 2	942	198	111	1250
Daly, Michael J., assignor of one-half to W. T. Wallace, Pittsburg, Pa. Elevator-operating mechanism	757,181	Apr. 12	1939	494	109	1774
Daly, William J., Bristol, Conn. Clock-case	761,152	May 31	5142	1092	110	1213
Dalzell, Joseph N. (See Kleinhans and Dalzell.)						
Dalzell, Joseph N., Pittsburg, Pa. Envelop	756,002	Mar. 29	5455	1204	109	1260
Dalziel, Frederick Y. (See Clews and Dalziel.)						
Dalmerell, Henry, Port Huron, Mich., assignor of one-half to F. Way, Chillicothe, Mo. Governor cut-off for steam-engines	777,946	Dec. 20	2735	603	113	2056
Damerow, Herman A., Schaller, Iowa. Polishing-machine	772,922	Oct. 11	2094	447	112	1411
Damm, Fredrick C., Guthrie, Okla. Ter. Fountain	755,114	Mar. 22	3741	822	109	870
Damm, Theodore, Warren, Pa. Bending device	753,553	Mar. 1	650	147	109	143
Dammann, Milton. (See Matthews, Henry, assignor.)						
Damon, Frank E., and C. P. Thiel, Lawrence, assignors to Davis & Furber Machine Company, North Andover, Mass. Spinning and twisting machine	771,720	Oct. 4	976	218	112	1168
Damron, Carson W. (See Palmros and Damron.)						
Damron, Carson W., assignor to Wagner-Palmros Manufacturing Company, Fairmont, W. Va. Automatic car-dog for cable mine-hauls	772,555	Oct. 18	2718	597	112	1583
Damron, Joseph C., assignor of one-half to E. C. Watson, Roanoke, Va. Hay-press	749,662	Jan. 12	2264	477	108	536
Dana, Thomas H. (See Blodt and Dana.)						
Dancier, Joseph, Kansas City, Mo. Attachment for corn or sugar-cane harvesters	771,354	Oct. 4	271	60	112	1018
Danckwardt, Paul, Deadwood, S. D. Filter	760,429	May 24	3656	773	110	872
Dancyger, Simon, Dayton, Ohio. Tag-clasp	751,977	Feb. 9	2264	507	108	1560
Dancyger, Simon, Dayton, Ohio. Pin	757,096	Apr. 12	1762	382	109	1734
Dancyger, Simon, Dayton, Ohio. Envelop-clasp	759,680	May 10	2217	456	110	515
Dancyger, Simon, Dayton, Ohio. Tag-fastener	778,352	Dec. 27	3753	818	113	2383
Dancyger, Simon, Dayton, Ohio. Pin	778,353	Dec. 27	3754	818	113	2384
Dane, Sidney B., Lynn, Mass. Device for shaping and drying collars	764,524	July 5	1259	258	111	275
Danford & Terrill. (See Agee, George M., assignor.)						
Danhof, Berend, assignor to A. Stickley, Grand Rapids, Mich. Dowel-pin machine	773,093	Nov. 1	802	168	113	185
Danhour, John W., Huey, Ill. Tool-rack	766,934	Aug. 9	1674	351	111	1433
Daniel, Albert E., Daniels Landing, Tenn. Animal or fish trap	753,527	Feb. 16	3281	732	108	1804
Daniel, Chilton B., Paterson, N. J. Broiler	760,430	May 24	3657	773	110	873
Daniel, John G., Morgan, Ga. Fertilizer-distributor	771,129	Sept. 27	3831	809	112	912
Daniel, Turner J., Butler, Ala. Alarm-clock	772,222	Oct. 11	2035	447	112	1411
Daniell, William B., Bedford, Tex. Journal-adjusting device	774,377	Oct. 25	4518	956	112	2002
Daniels, Cyrus D., and R. F. Yountee, St. Louis, Mo. Roundabout	769,690	Sept. 13	1058	227	112	258
Daniels, Eugene O., Toledo, Ohio. Heating stove or furnace	767,738	Aug. 16	3216	678	111	1791
Daniels, Fred H., Worcester, Mass. Wire fencing	761,668	June 7	74	12	110	1454
Daniels, John J., Minneapolis, Minn. Gopher-trap	749,548	Jan. 19	2642	565	108	625
Daniels, John L., Jr., assignor to American Cigar Company of New York, New York, N. Y. Treating tobacco	771,355	Oct. 4	272	60	112	1018
Daniels, Oscar, Chicago, Ill. Derrick	752,379	Feb. 16	3005	669	108	1746
Daniels, Thomas, Brooklyn, N. Y. Book-cover cleaning and polishing machine	750,267	Jan. 26	3429	741	108	813
Danielsen, Wilhelm G., Logan, Utah. Seed-planter	765,656	Aug. 30	5183	1090	111	2295
Danielson, Frank. (See Almcraut and Danielson.)						
Danielson, Gustaf A., Dorchester, assignor of one-half to C. F. Baker, Boston, Mass. Fastener or holding device	775,801	Nov. 22	4597	974	113	1088
Danin, Joao R. C., Para, Brazil. Apparatus for treating raw rubber	765,167	July 19	2559	534	111	590
Danks, Alfred B. C. and J. A., Netherton, near Dudley, England. Steam-boiler	772,789	Oct. 18	3178	692	112	1682
Danks, Isaac T., assignor to J. Porteous, Fresno, Cal. Automatic regulator for steam-generators	770,893	Sept. 27	3361	709	112	807

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Danks, James A. (See Danks, Alfred B. C. and J. A.)						
Danley, James S., assignor of one-half to R. F. Farnsworth, Greeley, Colo.	752,206	Feb. 16	2663	590	108	1669
Dann, Augustus C. F., Southsea, England. Variable-speed gear	755,564	July 19	3380	699	111	755
Dann, Isaac N., New Haven, Conn. Go-cart	759,681	May 10	2217	456	110	518
Danneel, Heinrich. (See Kùgelgen and Danneel.)						
Dannenberg, Adolph, Chicago, Ill. Knockdown expansible shelf structure	753,678	Mar. 1	887	1200	109	192
Danner, Balzer, Whiteplains, N. Y. Barrel-soaking apparatus	755,826	Mar. 29	4695	1044	109	1088
Danner, John, Canton, Ohio. Bookcase	750,823	Feb. 2	74	16	108	1074
Danner, John R., Marshfield, Wis. Dumping hay-rake	761,211	May 31	5255	1115	110	1237
Danner, Joseph, Scranton, Pa. Miner's lamp holder	761,764	June 7	283	56	110	1501
Danquard, Thomas, assignor to Kohler & Campbell, New York, N. Y. Manually or mechanically operated piano	766,601	Aug. 2	948	199	111	1251
Danquard, Thomas, and D. I. Twitchell, assignors to Kohler & Campbell, New York, N. Y. Folding pedal	766,602	Aug. 2	949	199	111	1253
Dansereau, Joseph A., assignor of one-third to N. E. Lefrancois, Woonsocket, R. I. Fruit-gatherer	769,591	Sept. 6	872	187	112	197
Dansette, Jules, Paris, France. Manufacturing reinforced ceramic articles	765,358	July 19	2921		111	668
Danver, William A. (See Chipman and Reed, assignors.)						
Danziger, Karl, Zawodze, near Kattowitz, Germany. Separating iron pyrites from zinc-blende	754,643	Mar. 15	2871		109	659
Darby, Edwin, assignor of one-third to B. J. Hardy, Iowa City, Iowa. Crude-oil burner	762,987	June 21	2717	590	110	2083
Darby, John E., Cleveland, Ohio. Impregnating cloth with rouge	760,616	May 24	4033		110	957
Darley, John W., Jr., assignor of one-half to D. E. Evans, P. and L. Hamburger, and M. Holzmann, Baltimore, Md. Sheet lifting and counting device	752,616	Feb. 16	3475	775	108	1848
Darling, Abram F., assignor to Central Drill Co., San Francisco, Cal. Drill for deep wells	767,685	Aug. 16	3130	654	111	1770
Darling, George, Fall River, Mass. Fastener for blinds, shutters, doors, or the like	755,627	Mar. 29	4697	1045	108	1083
Darling, George W., Marshalltown, Iowa. Key	759,503	May 10	1884	379	110	447
Darling, James D., Philadelphia, Pa. Separating carbon from pulverized carbonaceous materials	763,859	June 28	4431	965	110	2461
Darling, James D., assignor of one-half to R. M. Popham, Philadelphia, Pa. Manufacturing alloys of copper and iron	755,461	Mar. 22	4385		109	1005
Darling, John, Rutherglen, assignor to Darling's Patent Automatic Coupling Limited, Glasgow, Scotland. Automatically coupling or uncoupling railway carriages, wagons, or similar vehicles	756,217	Apr. 5	49	12	109	1353
Darling, William J., L. Geyer, and W. Evers, assignors to W. J. Darling Machine Company, Buffalo, N. Y. Nailing-machine	759,350	May 10	1589	319	110	380
Darling's Patent Automatic Coupling. (See Darling, John, assignor.)				320		
Darlington, Joseph J., et al., trustees. (See Cahill, Thaddeus, assignor.)						
Darnall, Charles L., Floyd, Va. Metallic shingle	774,740	Nov. 15	2348	508	113	558
Darnstaedt, Frederick W., assignor, by mesne assignments, to Corbin Motor Vehicle Corporation, New Britain, Conn. Automobile-frame	773,480	Oct. 25	4738	999	112	2046
Darrell, Joseph F., New York, N. Y. Machine for use in constructing and repairing bowling-alleys	758,424	Apr. 26	4430	951	109	2349
Darrohn, Perry S., administrator. (See Green, Jerome M.)						
Darrough, Rufus C. (See Park, Henry J., assignor.)						
Darrow, C. R. (See Ruth, John S., assignor.)						
Darrow, George L. (See Appleton, Wallace N., assignor.)						
Darrow, William A., A. C. Wood, Philadelphia, Pa., and J. R. Allen, Merchantville, N. J. Apparatus for use in the manufacture of artificial stone, &c.	750,949	Feb. 2	322	76	108	1129
Dart, Samuel E., South Manchester, Conn. Grinding-machine	752,658	Feb. 23	3563	794	108	1884
Darwin, Harry, Erdington, near Birmingham, assignor to Wright and Butler Manufacturing Company, Limited, Birmingham, England. Lighting and heating appliance	772,698	Oct. 18	2992	1656	112	1642
Daub, Henry W., and J. K. White, Topeka, Kans.; said White assignor to said Daub. Basin-cook	759,160	May 3	1126	228	110	256
Daubenspeck, Peter E. (See Robinson and Daubenspeck.)						
Daudein, Jean B., Fall River, Mass. Self-threading shuttle	756,592	Apr. 5	767	166	109	1505
Daugherty, Ulysses G., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Manufacturing account-book	773,064	Oct. 25	3795	810	112	1838
Daughtirt, Robert, Schenectady, assignor of one-half to J. H. Swatling, Cohoes, N. Y. Combined bottle-holder and protector	771,768	Oct. 4	1073	241	112	1188
Daughters, James E., Chicago, Ill. Hair-retainer	763,597	June 28	3914	851	110	2350
Daughters, Philip O., Highland, Ohio. Wire-stretcher	757,893	Apr. 19	3361	726	109	2095
Daunt, Joseph H. (See Walsh, John, assignor.)						
Daut, Carl, Mannheim, Germany. Ruling device	749,084	Jan. 5	967	303	108	225
Dávalos, Pedro, Havana, Cuba. Envelop	754,201	Mar. 8	1931	490	109	442
Dávènes, Emile, Sierra Madre, Cal. Composition of matter	769,305	Sept. 6	346		112	75
Dávènes, Harold, Sierra Madre, Cal. Beehive	758,203	Apr. 26	3971	861	109	2248
Davenport, Charles F. (See Marks and Davenport.)						
Davenport, Edward W., South Framingham, Mass., assignor to Crompton & Knowles Loom Works. Tilting reel mechanism for looms	770,454	Sept. 20	2499	530	112	597
Davenport, Herman A., Brooklyn, assignor of one-half to L. H. Hamel, Beverly, Mass. Split pulley	774,965	Nov. 15	2755	598	113	659
Davenport, Isaac L., Camden, N. J. Ink-font	768,522	Aug. 23	4880	1023	111	2180
Davenport, Lot C. (See Burkett and Davenport.)				227		
Davenport, William S., Dresden, Germany. Dark-room lantern	769,091	Sept. 13	1059	228	112	259
Davey, John F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Pegging-machine	763,466	June 28	3685	794	110	2302
Davey, William F., Elmira, N. Y., assignor to National Cash Register Company, Jersey City, N. J. Cash-register	756,218	Apr. 5	50	12	109	1353
Davey, William H. K. (See Alexander, Jesse, assignor.)						
David, Aiken L. (See Wilson and David.)						
David Bradley Manufacturing Company. (See Paul, William L., assignor.)						
David C. Cook Publishing Company. (See Smith, Chris N., assignor.)						
David, Henri, Paris, France. Non-slipping device for tires	773,313	Oct. 25	4380	926	112	1972
David, Jean F., Nantua, France. Type-writer	766,513	Aug. 9	1432	297	111	1377
David, Johann, assignor to O. Bredt & Co., Barmen, Germany. Making soluble starch	769,061	Aug. 30	6094		111	2448
Davidson, Jacob A., Eau Claire, Wis. Jointer-guard	767,545	Aug. 16	2874	600	111	1715
Davidson, Meyer J., Copenhagen, Denmark. Ball grinding-mill	772,699	Oct. 18	2994	657	112	1643
Davidson, Arthur C., Chicago, Ill. Flushing device	775,119	Nov. 22	4442	939	113	1055
Davidson, Commodore O., Medford, Okla. Ter. Agricultural disk-sharpener	764,714	July 5	407	79	111	89
Davidson, Frank B., Brooklyn, N. Y., assignor to Howe and Davidson Company. Paper-box	756,478	Apr. 5	577	120	109	1464
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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Davidson, Frank F., and C. P. Strite, Tama, Iowa. Vending-machine.	777,404	Dec. 13	1841	407	113	1850
Davidson, Isaac S., Kansas City, Mo. Tool-handle.	753,241	Mar. 1	49	13	109	13
Davidson, James L., Los Angeles, Cal. Pocket sewing-awl.	755,623	Mar. 29	469	1045	109	1088
Davidson, John A., Chicago, Ill. Filtering-stone.	771,971	Oct. 11	1506	340	112	1293
Davidson, John B., Derby, assignor of one-half to C. Mueller, New Britain, Conn. Etching metal.	777,278	Dec. 13	1594	354	113	1795
Davidson, John M., Beaumont, Tex. Producing brigquets.	756,593	Apr. 5	768		109	1505
Davidson, John M., Pittsburg, Pa. Strainer for filters.	765,334	July 19	2874	600	111	658
Davidson, John R., Monticello, Ga. Plow.	764,921	July 12	2106	496	111	477
Davidson, Joseph, Atlanta, Ga., assignor to Southern Cotton Oil Company, Jersey City, N. J. Machine for cleaning cotton-seed.	758,900	Apr. 26	4188	901	109	2297
Davidson, M., et al. (See Wacker, Eugen, assignor.)	749,921	Jan. 19	2785	595	108	657
Davidson, Robert W., Salt Lake City, Utah. Car-raiser.	751,978	Feb. 9	2265	507	108	1561
Davidson Rubber Company. (See Turner, Charles L., assignor.)						
Davidson, Samuel. (See Malone and Davidson.)						
Davidson, Samuel, assignor to Buffalo Fire Proof Lath Company, Buffalo, N. Y. Metal-lath-forming machine.	768,931	Aug. 30	5740	1207	111	2390
Davidson, Samuel, assignor to Buffalo Fire Proof Lath Company, Buffalo, N. Y. Metal lath.	768,932	Aug. 30	5742	1208	111	2391
Davidson, Samuel C., Belfast, Ireland. Furnace.	757,442	Apr. 19	2462	537	109	1899
Davidson, Samuel C., Belfast, Ireland. Centrifugal fan.	762,470	June 14	1638	363	110	1823
Davidson, Samuel C., Belfast, Ireland. Chain driving-gear.	771,233	Oct. 4	24	5	112	966
Davidson, W. P. & E. J., et al. (See White, Howard, assignor.)						
Davidson, William, Atlanta, Ga. Mail-bag catcher and deliverer.	775,208	Nov. 15	3307	706	113	779
Davie, James, Glasgow, Scotland. Feed-water-supply-regulating apparatus.	763,730	June 28	4181	911	110	2407
Davies, Charles C., Newport, Ky. Door-stop.	760,528	May 24	3837	818	110	920
Davies, Evan T., Portland, Ore. Off-bearing mechanism for sawmills.	752,440	Feb. 16	3129	696	108	1771
Davies, Frederick G., North Tonawanda, N. Y. Baling-press.	769,692	Sept. 13	1061	228	112	259
Davies, John M., Jr., Plattsburg, N. Y. Brake-rigging.	775,720	Nov. 22	4444	940	113	1056
Davies, Leyshon, assignor to Rockdale Powder Company, York, Pa. Machine for manufacturing compressed explosive powder pellets.	767,872	Aug. 16	3490	738	111	1848
Davies, Moses F., and E. Wilding, London, England. Yeast.	770,356	Sept. 20	2331		112	562
Davies, Preston, Southfields, B. Woodcock and E. Oddy, Cleckheaton, England. Liquid-fuel burner.	771,769	Oct. 4	1076	241	112	1189
Davies, Roderick W. (See Murnane and Davies.)						
Davies, Rowland, Utica, Wis. Separating device for threshing-machines.	765,702	July 26	3609	767	111	880
Davies, Rowland, Utica, Wis. Machine for measuring, bagging, and registering grain.	771,770	Oct. 4	1077	241	112	1189
Davies, Thomas W., assignor to M. Cahill, Chicago, Ill. Mop.	762,515	June 14	1767	377	110	1841
Davis, Albert M., Madison, Wis. Binder attachment.	764,431	July 5	1063	217	111	236
Davis, Alfred E., assignor, by mesne assignments, of one-half to E. H. Chase, Philadelphia, Pa. Fountain-pen.	766,739	Aug. 2	1269	270	111	1323
Davis, Alfred B., assignor, by mesne assignments, of one-half to E. H. Chase, Philadelphia, Pa. Fountain-pen.	766,760	Aug. 2	1271	270	111	1323
Davis, Alvah B., San Antonio, Tex. Coin-operated vending-machine.	776,893	Dec. 6	870	186	113	1618
Davis, Arnold. (See Davis, Thomas H. and A.)						
Davis, Augustine, Chicago, Ill., and J. H. Birch, Elkhart, Ind. Acetylene-gas generator.	752,330	Feb. 16	2914	650	108	1726
Davis, Benjamin W., Phillips, Wis. Apparatus for heating fluids.	777,083	Dec. 13	1245	273	113	1720
Davis, Bethuel M., Chicago, Ill., assignor, by mesne assignments, to C. F. Travis, Owosso, Mich. Coin-detector for coin-actuated devices.	753,961	Mar. 8	1499	335	109	346
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Sulky lister-plow.	757,994	Apr. 19	3551	769	109	2137
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Draft device.	757,995	Apr. 19	3553	770	109	2137
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Sulky-plow.	757,996	Apr. 19	3554	770	109	2137
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Lister.	757,997	Apr. 19	3555	770	109	2137
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Lister plow and planter.	757,998	Apr. 19	3556	770	109	2138
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Lister plow and planter.	757,999	Apr. 19	3557	771	109	2138
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Sulky lister plow and planter.	758,000	Apr. 19	3557	771	109	2138
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Foot-lift for wheel-plows.	762,516	June 14	1768	378	110	1842
Davis, Calvin R., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow.	764,713	July 12	1685	344	111	384
Davis, Charles A., Pasadena, Cal. Artificial tooth.	774,045	Nov. 1	1021	218	113	230
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Truck.	754,545	Mar. 15	2679	582	109	621
Davis, Charles J. (See Boswell and Davis.)						
Davis, Charles L., assignor to Wilcox & White Company, Meriden, Conn. Pneumatic music-playing instrument.	769,889	Sept. 13	1437	305	112	340
Davis, Cleland, U. S. Navy. Powder charge.	751,385	Feb. 2	1131	257	108	1298
Davis, Cleland, U. S. Navy. Powder-grain.	751,386	Feb. 2	1132	257	108	1298
Davis, Cleland, U. S. Navy. Cap for armor-piercing projectiles.	778,225	Dec. 27	3480	766	113	2320
Davis, Corbin E., St. Louis, Mo. Safety block-switch for railways.	756,101	Mar. 29	5640	1245	109	1299
Davis, Daniel L., Buffalo, N. Y. Manhole-ventilator.	770,959	Sept. 27	3498	737	112	839
Davis, Daniel T., et al. (See Kates, Samuel F., assignor.)						
Davis, Edgar L., Carrollton, Ill. Automatic valve.	770,845	Sept. 27	3278	690	112	788
Davis, Edward, West Berkeley, Cal. Door-closer for baling-presses.	754,853	Mar. 15	3396	716	109	752
Davis, Edwin F., Springfield, N. Y. Railway-switch.	771,234	Oct. 4	26	5	112	967
Davis, Eliza T., Pensacola, Fla. Tube-cleaner.	754,854	Mar. 15	3387	716	109	752
Davis, Erastus L., Santa Rosa, Cal. Washing-machine.	769,830	Sept. 13	1429	305	112	340
Davis, Etta H., Elmira, N. Y. Non-refillable bottle. (See Davis, Oscar F., assignor.)	761,592	May 31	5570	1166	110	1307
Davis, Frank, North Adams, Mass. Gate.	777,405	Dec. 13	1844	407	113	1851
Davis, Frank E., Atchison, Kans. Dust-trap and ventilator.	764,922	July 12	2107	496	111	477
Davis, Frank H., Chicago, Ill. Crown-tooth.	762,289	June 14	1804	279	110	1743
Davis, Fred S., Shirley, assignor of one-half to J. C. Richardson, Robertsville, S. C. Wood distilling and preserving apparatus.	774,649	Nov. 8	2121	464	113	487
Davis, Frederick D., Ludington, Mich. Plastic mold.	770,846	Sept. 27	3280	691	112	789

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Davis & Furber Machine Company. (See Damon and Thiel, assignors.)						
Davis & Furber Machine Company. (See Goodwin, Lyman O., assignor.)						
Davis & Furber Machine Company. (See La Fountain, Maxim, Jr., assignor.)						
Davis, George A., Grand Rapids, Mich. Table-locking device	774,046	Nov. 1	1022	218	113	231
Davis, George C., Chicago, Ill. Relief-valve	778,826	Dec. 27	3481	769	113	2327
Davis, George H., Proctor, Vt. Machine for sawing stone	759,423	May 10	1728	350	110	411
Davis, George H., Brooklyn, N. Y. Current-saving and spark-reducing device for electromagnets.	772,872	Oct. 18	3327	736	112	1716
Davis, George H., Portland, Me., assignor to Curtain Supply Company, Jersey City, N. J., and Chicago, Ill. Curtain-stutter	761,822	June 7	424	86	110	1533
Davis, George M. (See Martin, Whitley E., assignor.)						
Davis, George W., Princeton, Kans. Vehicle-axle boxing	749,173	Jan. 12	1263	273	108	310
Davis, Harry G., and M. E. Pugh, Dayton, assignors to E. Retlich, Germantown, and G. Berger, Cincinnati, Ohio. Sizing-machine	775,912	Nov. 29	4813	1019	113	1152
Davis, Harry P., Pittsburg, Pa. assignor to Westinghouse Electric & Manufacturing Company. High-tension-circuit breaker	758,621	May 3	30	7	110	10
Davis, Henry C., Philadelphia, Pa. Snow-melting apparatus	770,169	Sept. 13	1994	413	112	452
Davis, Henry J., and P. G. Ault, Birmingham, Ala. Automatic boiler-feeder	774,833	Nov. 15	2546	547	113	602
Davis, Henry O., Brockton, Mass. Last	770,048	Sept. 13	1725	364	112	407
Davis, Horace A., New York, N. Y. Inking device	752,285	Feb. 16	2826	687	108	1707
Davis, Isaac H., Boston, Mass., assignor of one-half to H. H. Westinghouse, Pittsburg, Pa. Motor lawn-mower	750,616	Jan. 26	4088	885	108	953
Davis, Isaac R., Philadelphia, Pa. Reversible door for furnaces	758,622	May 3	34	7	110	11
Davis, James C., St. Louis, Mo. Rotary mold	767,928	Aug. 16	3594	760	111	1871
Davis, James L. (See Ellman, Louis W., assignor.)						
Davis, James L. (See Ellman and Morgan, assignors.)						
Davis, James T., deceased; W. M. Davis, Hattiesburg, Miss., administrator, assignor to A. A. Voss and A. D. Bennett, Mobile, Ala. Sawing-machine	751,060	Feb. 2	511	119	108	1171
Davis, Jesse R., assignor of one-third to C. A. Wade, Parkersburg, W. Va. Combined electric heater and battery	760,315	May 17	3446	736	110	809
Davis, John C., Reinbeck, Iowa. Adjustable dental impression-cup	753,679	Mar. 1	380	209	109	1393
Davis, John C., Carville, Okla. Ter. Hog-trough	755,753	Mar. 29	4956	1102	109	1147
Davis, John F. (See Mitchell and Lewis, assignors.)						
Davis, John H. (See Snow, William J., assignor.)						
Davis, John S., Montgomery, Ala. Rotary engine	757,894	Apr. 19	3368	726	109	2095
Davis, John T., San Francisco, Cal. Manufacture of artificial fuel by distillation	763,267	June 21	3295		110	2189
Davis, John T., assignor of one-half to C. R. Allen, San Francisco, Cal. Rail-joint	757,546	Aug. 16	2876	600	111	1715
Davis, John W., Palmyra, Ill. Adjustable wrench	750,823	Jan. 26	3912	848	108	918
Davis, Joshua M., et al. (See Winans, Wesley G., assignor.)						
Davis, Leo. (See Erdelyi and Davis.)						
Davis, Leonard D., Erie, Pa. Producing pierced ingots with solid ends	750,824	Feb. 2	75	16	108	1074
Davis, Leonard D., Erie, Pa. Annealing steel	755,629	Mar. 29	4701		109	1069
Davis, Leonard D., Erie, assignor to National Tube Company, Pittsburg, Pa. Swaging-mill	771,611	Oct. 4	772	171	112	1123
Davis, Leslie L., et al. (See Miller, Roy C., assignor.)						
Davis, Levi, Alton, Ill. Tile-making machine	763,048	June 21	3850	616	110	2097
Davis, Levi W., Philadelphia, Pa. Liquid-applying apparatus	764,796	July 12	1843	378	111	419
Davis, Linford J., Battlecreek, Mich. Stock-marker	749,033	Jan. 5	968	204	108	225
Davis, Linford J., Battlecreek, Mich. Rivet or marking tag	772,193	Oct. 11	1849	411	112	1371
Davis, Loyola, Omaha, Nebr. Skirt-chart	753,680	Mar. 1	890	202	109	193
Davis, Mary A., Los Angeles, Cal. Safety-holder	764,714	July 12	1687	345	111	385
Davis-McGregor Manufacturing Company. (See Davis, Spurgeon J., assignor.)						
Davis-Monroe, assignor to himself and W. A. Lehenbauer, Ames, Okla. Ter. Threshing-machine	760,967	May 24	4750	1011	110	1109
Davis, Monroe, and W. A. Lehenbauer, Ames, Okla. Ter. Threshing-machine	763,731	June 28	4182	911	110	2408
Davis, Nathan, et al. (See Metzger, Emanuel, assignor.)						
Davis, Nathan W., Port Jefferson, N. Y. Drawer measuring-box	758,827	May 3	493	99	110	119
Davis, Orin C., assignor of one-half to J. M. Ramsdell, Manistee, Mich. Holdback-fastening	776,583	Dec. 6	293	52	113	1481
Davis, Oscar C., assignor of one-half to G. E. Keith, Brockton, Mass. Lasting portions of boot or shoe uppers	749,267	Jan. 12	1467	314	108	354
Davis, Oscar F., assignor to Davis Fire Escape Company, St. Louis, Mo. Fire-escape	771,794	Oct. 4	1132	252	112	1201
Davis, Richard S., Columbia, Miss. Pile-point	748,705	Jan. 5	290	66	108	64
Davis, Riley L., assignor of one-half to J. G. Farrell, Asheville, N. C. Hoisting apparatus	770,170	Sept. 13	1936	413	112	452
Davis, Robert C., Columbus, Ohio. Apparatus for exhausting air from fruit-cans	757,895	Apr. 19	3364	737	109	2096
Davis, Robert G., assignor to himself and S. D. Weil, Hot Springs, Ark. Bottle	771,612	Oct. 4	774	172	112	1124
Davis, Robert J. (See Shearer, Joe E., assignor.)						
Davis & Roesch Temperature Controlling Company. (See Haywood, Daniel H., assignor.)						
Davis & Roesch Temperature Controlling Company. (See Roesch, Alfred, assignor.)						
Davis, Royal E., assignor to Draper Company, Hopedale, Mass. Molding-machine	756,102	Mar. 29	5644	1246	109	1300
Davis, Samuel P. (See Fair and Davis.)						
Davis, Solomon, New York, N. Y. Securing strips of wood, &c., to iron beams	754,855	Mar. 15	3288	716	109	753
Davis & Sons, S. (See Marier, Gustave A., assignor.)						
Davis, Spurgeon J., Cathlamet, Wash., assignor to Davis-McGregor Manufacturing Company, Portland, Oreg. Friction clutch mechanism	754,644	Mar. 15	2872	687	109	659
Davis, Stephen J., Willimantic, Conn. Whiffletree-coupling	765,530	July 26	3868	824	111	881
Davis, Thomas A., Findlay, Ill. Gasolene-light-generating machine	775,746	Nov. 22	4490	951	113	1066
Davis, Thomas G., West Bay City, Mich. Drilling-machine	763,373	June 28	3498	735	110	2262
Davis, Thomas G., Desoto, Ill. Harrow	768,358	Aug. 23	4520	953	111	2098
Davis, Thomas H. and A. West Haven, Conn. Railway-passenger-car window	762,692	June 14	2134	465	110	1921
Davis, W. F., et al. (See Aune, Ole O., assignor.)						
Davis, Wilbur M., Winthrop, assignor to C. H. Stebbins, Everett, Mass. Toilet-paper. (Reissue)	12,257	Aug. 9	2506	525	111	1613
Davis, William. (See Fillman and Davis.)						
Davis, William. (See Kartmark, Otto, assignor.)						
Davis, William C., Denver, Colo. Friction-clutch	759,841	May 10	2537	531	110	589
Davis, William C., Denver, Colo. Pulverizing-rolls	762,559	June 14	2481	537	110	1994
Davis, William H., McPherson, Kans. Box-fastening	767,547	Aug. 16	2877	590	111	1715
Davis, William H., and J. M. Wood, Cambridge, Ohio. Automatic cage-loader	774,047	Nov. 1	1025	219	113	231

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Davis, William J., Washington, D. C. Hip-roof-framing square	756,594	Apr. 5	769	167	109	1509
Davis, William M., administrator. (See Davis, James T.)						
Davis, William M., Chicago, Ill., assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Multiple-switchboard system	752,761	Feb. 23	3748	836	108	1926
Davis, William M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system	763,374	June 28	3800	756	110	2262
Davis, William M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective signaling system	765,461	July 19	3140	658	111	714
Davis, William M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	766,223	Aug. 2	147	28	111	1073
Davis, William M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective signaling system	766,224	Aug. 2	150	29	111	1074
Davis, William M., Chicago, Ill., assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	770,268	Sept. 20	2139	449	112	575
Davis, William M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	770,269	Sept. 20	2144	449	112	516
Davis, William P., Durban, Natal, Bucket.	762,151	June 7	1029	214	110	1661
Davis, William W., East Orange, N. J. Putter	749,174	Jan. 12	1365	273	108	310
Davis, William W., assignor of one-half to G. F. Duffing, Baldwin, Mich. Protector-plate for shovels	767,739	Aug. 16	3219	678	111	1791
Davison, Charles, Kewanee, Ill. Bioter-holder	751,617	Feb. 9	1542	350	108	1404
Davison, George, Jr., New York, N. Y. Felted fabric and producing same	755,219	Mar. 22	3930	870	109	908
Davison, George B., Utica, N. Y. Sulky-weeder	766,603	Aug. 2	952	199	111	1253
Davison, George R., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric arc lamp	749,268	Jan. 12	1468	314	108	354
Davison, Thomas K., Jamestown, N. Y. Check-punch	758,425	Apr. 26	4431	952	109	2345
Davison, Vincent H., Park City, Utah. Hose-clamp	749,489	Jan. 19	2643	565	108	625
Davy Bros. (See Crowe, Edward, assignor.)						
Davy, Charles F., Mohawk, N. Y. Trolley-catcher	773,314	Oct. 25	4381	926	112	1972
Davy, Charles F., assignor of one-half to H. M. & M. M. Scofield, Mohawk, N. Y. Automatic trolley-catch reel	750,825	Feb. 2	76	17	108	1074
Daw, Joseph, Oakland, Cal. Hasp-lock	771,814	Oct. 11	1174	262	112	1224
Daw, Albert W. and Z. W., London, England. Valve mechanism for air-compressors or the like	765,359	July 19	2923	610	111	669
Daw, George W., et al. (See Palmer, Stephen, assignor.)						
Daw, George W., et al. (See Waterman, Marcus M., assignor.)						
Daw, Zacharias W. (See Daw, Albert W. and Z. W.)						
Dawes, Charles A., assignor of three-fourths to Publishers: George Knapp and Co., and J. F. Farish, St. Louis, Mo. Vending apparatus	749,535	Jan. 12	2033	422	108	476
Dawes, Edward L., New Brighton, assignor to Standard Sanitary Manufacturing Company, Pittsburg, Pa. Enamelling device	759,351	May 10	1592	320	110	380
Dawley, George L., Providence, R. I. Faucet	774,467	Nov. 8	1782	321	113	414
Dawson, A. (See Harrison, James W., assignor.)						
Dawson, Alber R., Hamilton, Canada. Railway cattle-guard	750,524	Jan. 26	3913	848	108	918
Dawson, Alfred J., Dundee, Scotland, P. Robertson, Leyton, and A. E. Bradshaw, London, England. Appliance for holding securely articles of unequal length and thickness	764,563	July 12	1375	280	111	317
Dawson, Arthur T. and G. T. Buckham, Westminster, assignors to Vickers Sons & Maxim, Limited, London, England. Breech mechanism of ordnance	778,174	Dec. 20	3384	743	113	2188
Dawson, Arthur T. and L. Silverman, assignors to Vickers Sons & Maxim, Limited, Westminster, England. Percussion-fuse	766,022	July 26	4251	908	111	964
Dawson, Arthur T. and L. Silverman, assignors to Vickers Sons & Maxim, Limited, Westminster, England. Automatic	772,700	Oct. 18	2996	657	112	1643
Dawson, Benjamin. (See Bassford and Dawson.)						
Dawson, Charles E., Cleveland, Ohio. Piston-packing	752,046	Feb. 16	2372	530	108	1603
Dawson, James P. (See Delafield, Benjamin T., assignor.)						
Dawson, James W. (See Dougherty and Dawson.)						
Dawson, Josiah A., Okarche, Okla. Ter. Label	753,371	Mar. 1	277	63	109	63
Dawson, William, Union county, S. D. Stock-loading device	758,426	Apr. 26	4432	952	109	2349
Day, Albert. (See Day, Charles H. and A.)						
Day, Albert H., Mohawk, assignor to Remington Arms Company, Ilion, N. Y. Removable joint-pin for firearms	763,467	June 28	3690	796	110	2303
Day, Charles H., Hornellsville, N. Y. Transmission-gear	772,874	Oct. 11	2145	469	112	1437
Day, Charles H. and A., Leeds, England. Machinery for forming or making paper bags	755,754	Mar. 29	4958	1103	109	1147
Day, Edgar W., Baltimore, Md. Apparatus for transmitting messages by telephone	766,225	Aug. 2	158	29	111	1077
Day, Ezra F., Risingsun, Ohio. Drill or pump-rod extractor	776,221	Nov. 29	5438	1151	113	1296
Day, George A. (See Gray, Almon J., assignor.)						
Day, George H., Des Moines, Iowa. Book-binding	753,962	Mar. 8	1503	335	109	347
Day, George H. and F. J. St. Louis, Ky. Therapeutic electrode	778,306	Dec. 27	3662	799	113	2265
Day, James J., Nashville, Ga. Baling-press	772,790	Oct. 18	3180	693	112	1623
Day, Josiah F., New York, N. Y. Dumping-wagon	762,809	June 14	2372	516	110	1971
Day, Maxwell W., Schenectady, N. Y., assignor to General Electric Company. Protective means for electric boosters	752,528	Feb. 16	3282	732	108	1805
Day, Maxwell W., Schenectady, N. Y., assignor to General Electric Company. Control-switch for electric circuits	775,445	Nov. 22	3858	815	113	929
Day, Thomas M., assignor of one-half to J. W. Riffe, Windfall, Ind. Vending-machine	758,301	Apr. 26	4189	902	109	2297
Day, William H. (See Peterson, Gust, assignor.)						
Day, William J. (See Clark, Peter T., assignor.)						
Dayton Manufacturing Company. (See Kirby, John, Jr., assignor.)						
Dayton Manufacturing Company. (See Kling, Peter M., assignor.)						
Dayton, Melville E. (See Poole, Charles E., assignor.)						
De Baun, George A., Paterson, N. J. Coasting or gravity railway	775,702	Nov. 22	4411	931	113	1048
De Boy, Peter F., Baltimore, Md., assignor of one-half to F. A. Proctor, Hayden Heights, N. J. Railway frog and switch foot-guard	752,161	May 3	1127	228	110	256
De Camp, William S., Chillicothe, Ohio. Train-pipe-testing device for air-brakes	758,427	Apr. 26	4433	953	109	2350
De Camps, Wylie C., Parkersburg, W. Va. Illuminated sign	770,680	Sept. 20	2941	624	112	698
De Canio, Victor A., Union Hill, N. J., assignor to Lorillard Refrigerator Company, New York, N. Y. Support for refrigerating-chambers	764,923	July 12	2109	437	111	478
De Carli, Louis C., San Jose, Cal. Label-holder for library-shelves	750,436	Jan. 26	3747	813	108	882
De Carli, Louis C., San Jose, Cal. Book-supporter	767,139	Aug. 9	2078	431	111	1521
De Champ, Obed, Everett, Mass. Rotary engine	754,283	Mar. 8	2092	465	109	475

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De Croes, Clement, Westport, assignor to Hoosier Voting Machine Company, Shelbyville, Ind. Voting-machine.....	776,729	Dec. 6	523	{ 114 115 116 117 118 }	113	1542
De Croes, Clement, Westport, assignor to Hoosier Voting Machine Company, Shelbyville, Ind. Recording apparatus for voting-machines.....	776,730	Dec. 6	536	{ 113 117 }	113	1545
De Croes, Clement, Westport, assignor to Hoosier Voting Machine Company, Shelbyville, Ind. Independent voting apparatus for voting-machines.....	777,007	Dec. 6	1088	237	113	1668
De Fontes, Francis, Baltimore, Md. Head-rest for chairs.....	774,133	Nov. 1	1176	251	113	266
De Fontes, Francis, Baltimore, Md. Barber's chair.....	777,847	Dec. 20	2736	{ 603 604 }	113	2056
De Fontes, Francis, assignor of three-fourths to W. H. Greene, D. H. Doyle, and M. H. Caler, Baltimore, Md. Chair.....	777,941	Dec. 20	2950	648	113	2097
De Forest, Lee, New York, N. Y. Wireless signaling device.....	748,597	Jan. 5	78	21	108	19
De Forest, Lee, New York, N. Y. Wireless signaling apparatus.....	749,178	Jan. 12	1279	276	108	314
De Forest, Lee, New York, N. Y. Wireless-telegraph receiver.....	749,371	Jan. 12	1685	358	108	403
De Forest, Lee, New York, N. Y. Wireless telegraphy.....	749,372	Jan. 12	1687	359	108	404
De Forest, Lee, New York, N. Y. Wireless signaling apparatus.....	749,434	Jan. 12	1813	380	108	429
De Forest, Lee, New York, N. Y. Generating set for wireless telegraphy.....	749,435	Jan. 12	1815	381	108	429
De Forest, Lee, New York, N. Y. Wireless-telegraph range-finder.....	749,436	Jan. 12	1816	381	108	430
De Forest, Lee, New York, N. Y. Controlling spark production.....	750,180	Jan. 19	3267	705	108	758
De Forest, Lee, New York, N. Y. Wireless telegraphy.....	758,517	Apr. 26	4604	101	109	2389
De Forest, Lee, New York, N. Y. Receiver for space signaling.....	770,228	Sept. 13	2058	493	112	478
De Forest, Lee, New York, N. Y. Wireless signaling apparatus.....	771,818	Oct. 11	1183	264	112	1235
De Forest, Lee, New York, N. Y. Wireless signaling apparatus.....	771,819	Oct. 11	1184	264	112	1237
De Forest, Lee, New York, N. Y. Protecting device for high-frequency apparatus.....	771,820	Oct. 11	1185	264	112	1237
De Forest, Lee, New York, N. Y. Magnetic detector.....	772,878	Oct. 18	3339	{ 737 738 }	112	1718
De Forest, Lee, New York, N. Y. Duplex wireless telegraphy.....	772,879	Oct. 18	3342	728	112	1719
De Forest, Lee, New York, N. Y., assignor to Wireless Telegraph Company of America. Wireless signaling apparatus.....	749,131	Jan. 5	1163	247	108	269
De Forest, Lee, assignor to Greater New York Security Company, New York, N. Y. Wireless signaling apparatus.....	759,216	May 3	1279	257	110	991
De Forest, Lee, assignor to Greater New York Security Company, New York, N. Y. Wireless signaling apparatus.....	770,229	Sept. 13	2059	493	112	478
De Forest, Lee, New York, N. Y., and W. G. Clark, Seattle, Wash. Device for clearing ice from antennae.....	750,181	Jan. 19	3270	705	108	758
De Forest, Ray, (See Benson and De Forest.)						
De Grody, Martin M., assignor of one-half to J. E. Baker, St. Louis, Mo. Non-refillable bottle.....	777,499	Dec. 13	2025	446	113	1890
De Hart, John S., Jr., East Orange, assignor to Isbell-Porter Company, Newark, N. J. Valve connection for gas-purifiers.....	774,911	Nov. 15	2701	579	113	637
De Hart, Marie G., Cincinnati, Ohio, assignor of one-half to J. L. Gregory, Washington, D. C. Tire.....	772,609	Oct. 18	2819	619	112	1605
De Haven, Hugh, (See Coe, Addison, assignor.)						
De Haven, Hugh, New York, N. Y. Bale-tie.....	752,888	Feb. 23	4002	896	108	1983
De Jong, Richard R., (See Greuvet and De Jong.)						
De Kaiser, Isaac, Wilmsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-retaining means for electrical machines.....	765,228	July 19	2659	553	111	612
De Kay, William I., (See Miner, William C., assignor.)						
De La Garza, Juan B., (See Warnock, Charles S., assignor.)						
De La Mare, Thomas, Tooele, assignor of one-half to J. B. Dunn, Salt Lake City, Utah. Tire-tightener.....	751,721	Feb. 9	1730	393	108	1443
De La Vergne Refrigerating Machine Company, (See Botkowski, Boris, assignor.)						
De Lamarter, William D., Elizabeth, N. J., and J. A. Macdonald, Flushing, assignors to Wadclark Wire Company, New York, N. Y. Wire-drawing apparatus.....	756,003	Mar. 29	5456	1204	109	1261
De Lamater, Edgar, assignor of one-fourth to A. D. F. Reynolds, Ogden, Utah. Clip.....	749,663	Jan. 12	2267	478	108	527
De Lan, Richie, Belleville, Ill. Combined sash lock and adjuster.....	769,209	Sept. 6	129	32	112	29
De Lancey, Darragh, and H. M. Smith, assignors to Stanley Instrument Company, Great Barrington, Mass. Meter-seal.....	733,080	Feb. 23	4408	979	108	2073
De Laney, Charles W., Hammond, Ind. Easel-support for display-boxes.....	769,533	Sept. 6	782	168	112	177
De Laval, George, Cambridge, and G. P. Aborn, Boston, Mass., assignors to International Steam Pump Company, New York, N. Y. Pumping-engine.....	748,758	Jan. 5	376	{ 85, 86 788 789 }	108	83
De Laval, George, Cambridge, and G. P. Aborn, Boston, Mass., assignors to International Steam Pump Company, New York, N. Y. Engine.....	750,377	Jan. 26	3633	{ 788 789 }	108	859
De Laval Separator Company, (See Arend, Francis J., assignor.)						
De Laval Separator Company, (See Berrigan, John J., assignor.)						
De Laval Steam Turbine Company, (See Neden, Elof, assignor.)						
De Laval Steam Turbine Company, (See Olsson, Georg O. M., assignor.) (Reissue.)						
De Leeuw, Adolph L., assignor to Niles Tool Works Company, Hamilton, Ohio. Speed-changer.....	764,115	July 5	409	79, 80	111	89
De Long, Herman R., and R. Seymour, Warren, Pa. Controller for trolley-poles.....	766,935	Aug. 9	1675	352	111	1494
De Long Hook and Eye Company, (See Cliff, George H., assignor.)						
De Long Hook and Eye Company, (See Richardson, Thomas D., assignor.)						
De Long, Julius, New York, N. Y. Casket-cover.....	776,500	Dec. 6	47	11	113	1435
De Long, Oscar A., Williamsport, Pa., assignor to Eagle Pencil Company, New York, N. Y. Display-holder.....	769,592	Sept. 6	873	188	112	197
De los Monteros, Manuel E., Mexico, Mexico. Wheel-fender.....	754,381	Mar. 8	2177	483	109	492
De Mare, Frederic, Brussels, Belgium. Illuminating and advertising device.....	760,058	May 17	2958	617	110	701
De Mayo, Louis A., New York, N. Y. Door-fastening.....	773,579	Nov. 1	91	19	113	26
De Mocker, Bert, Nunda, N. Y. Animal-trap.....	764,432	July 5	1065	218	111	237
De Nike, Joseph H., Albany, assignor of one-half to United Shirt & Collar Company, Troy, N. Y. Plat-forming attachment for sewing machines.....	775,200	Nov. 15	3311	707	113	780
De Normandie, Edward R., Claysville, Pa. Gold-saving dam.....	762,331	June 7	1168	250	110	1693
De Pew, Jacob D., assignor to F. H. Greene, Newport, N. Y. Brake.....	760,968	May 24	4754	1012	110	1110
De Pue, Frank H., San Francisco, Cal. Method of identification.....	752,617	Feb. 16	3479	775	108	1849
De Roseau, William H., Whiteoaks, N. Mex. Ter. Chalk-line reel.....	766,936	Aug. 9	1677	352	111	1494
De Sachet, Harriette M., Somerville, Mass. Cooking vessel.....	757,281	Apr. 12	2117	462	109	1810
De Selms, Omar C., Attica, Ind. Instruction-sheet.....	756,836	Apr. 12	1243	277	109	1625
De Simone, Anthony, New York, N. Y. Awning-fixture.....	766,937	Aug. 9	1678	352	111	1494
De Snell, George E., (See Elliott, John A., assignor.)						
De Tray, Floyd W., assignor to G. E. Fink, Chicago, Ill., and Knoxall Manufacturing Company, Vapor lighting and heating device.....	771,863	Oct. 11	1277	{ 296 287 }	112	1347
De Vault, William E., Colerain, Ohio. Extensible bed.....	748,847	Jan. 5	555	128	108	126

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De Vaux, F. H. (See De Vaux, Louis, assignor.)						
De Vaux, Louis, St. Louis, Mo., assignor of two-thirds to F. H. De Vaux, Chicago, Ill. Refrigerator	764,274	July 5	733	149	111	162
De Vilbiss, Allen, Jr., Toledo, Ohio. Wrench	753,374	Mar. 1	282	64	109	64
De Vilbiss, Thomas, Toledo, Ohio. Speculum	751,475	Feb. 9	1278	291	108	1348
De Vine, George H., and A. Baumann, Jersey City, N. J. Clothes-line holder	753,049	Feb. 23	4345	966	108	2060
De Vito, John A., et al. (See Mellett, Lemuel, assignor.)						
De Voll, Charles H., San Francisco, Cal., assignor, by mesne assignments, to H. S. Howland, New York, N. Y. Burglar-alarm	753,344	Mar. 1	54	14	109	14
De Witt, Frederick J., assignor of one-half to G. M. Hamilton, Auburn, N. Y. Soldering-iron heater	761,584	May 31	5947	1276	110	1392
De Witt, John E. (See Muender and De Witt.)						
De Witta, Norman, Watertown, N. Y. Plating-machine	777,943	Dec. 20	2953	649	113	2098
De Yoe, Adam C. (See Howell and De Yoe.)						
De Zeng, Henry L., Philadelphia, Pa., and P. S. Reid, Hammonton, N. J. Ophthalmoscope	750,099	Jan. 19	3127	671	108	728
Deady, John, Jr., Ware, Mass. Coal-elevator	754,546	Mar. 15	2681	582	109	621
Deagan, John C., Chicago, Ill. Musical instrument	774,234	Nov. 8	1387	289	113	323
Deal, John S., Monroe, Wis. Stirring apparatus	752,701	Oct. 18	2999	658	112	1643
Deal, W. F., et al. (See Smith, George A., assignor.)						
Deal, William M., Philadelphia, Pa., assignor to J. F. Brimmer, Lancaster, and J. F. Cullman, New York, N. Y. Track-sander	763,543	June 28	3823	827	110	2330
Dean, Alexander. (See Oviatt and Dean.)						
Dean, Alexander, Denver, Colo. Electromagnetic ore-separator	751,150	Feb. 2	672	154	108	1203
Dean, Arthur L., Brown Valley, Minn. Grain-cleaning attachment for elevators	761,453	May 31	5724	1220	110	1342
Dean, Charles C. (See Howell, William E., assignor.)						
Dean & Company. (See Miggett, William L., assignor.)						
Dean, Cyrus S., Buffalo, N. Y. Air-compressor	753,787	Mar. 1	1107	251	109	239
Dean, Cyrus S., Fort Erie, Canada, assignor of one-half to Sherwood Manufacturing Company, Buffalo, N. Y. Device for turning tube or flue cleaners while moving through the tubes or flues	771,613	Oct. 4	775	172	112	1124
Dean, Elmer E., Lebanon, N. H. Cuff-holder	763,860	June 28	4433	965	110	2461
Dean, George R., Chicago, Ill. Power-transmitting device	768,114	Aug. 23	4065	856	111	1997
Dean, Harry C., assignor to John A. Dunn Company, Gardner, Mass. Tool for weaving chair-bottoms	777,605	Dec. 13	2261	497	113	1939
Dean, Isaac P., et al. (See Stouffer, Hiram C., assignor.)						
Dean, Jacob J., et al. (See Stouffer, Hiram C., assignor.)						
Dean, James L., et al. (See Stobie, William H., assignor.)						
Dean, John R. (See Scoggin and Dean.)						
Dean, Robert N. (See Zimmer, Cyrus W., assignor.)						
Dean, Thomas, Toledo, Ohio. Three-way split switch	767,740	Aug. 16	3220	678	111	1791
Dean, Walter C., assignor to J. H. Mathis and D. B. Price, Quitman, Ga. Interchangeable telegraphic key	770,028	Sept. 20	2834	601	112	672
Dean, William W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Bell	755,030	Mar. 29	4702	1045	109	1089
Dean, William W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system	758,023	May 3	35	8	110	11
Dean, William W., Elyria, Ohio, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Attachment for transmitters	776,728	Dec. 6	521	113	113	1542
Dean, William W., Chicago, Ill., assignor to W. S. McFarlan, Washington, D. C. Auxiliary apparatus for telephone system	765,768	July 26	3757	800	111	857
Dean, William W., assignor to Western Electric Company, Chicago, Ill. Call-signal apparatus for telephone-exchanges	771,897	Oct. 11	1357	309	112	1263
Dean, William W., assignor to Western Electric Company, Chicago, Ill. Telephone toll-line system	771,972	Oct. 11	1507	340	112	1294
Dean, William W., assignor to Western Electric Company, Chicago, Ill. Supervisory apparatus for telephone system	778,569	Dec. 27	4178	911	113	2376
Deane, Alfred T., and G. Couture, Lowell, Mass. Computing-machine	773,549	Nov. 1	36	8	113	12
Deane, Royal E., New York, N. Y. Receptacle-cover	777,609	Dec. 13	2264	497	113	1939
Deane, Royal E., New York, N. Y. Apparatus for boiling eggs	777,610	Dec. 13	2265	497	113	1940
Deans, Edward C., Scranton, Pa. Detachable cover for bank-checks	759,826	Feb. 2	77	17	108	1074
Dearborn, Alexander R., Birmingham, Ala. Copy-holder	767,373	Aug. 16	3495	739	111	1850
Deardorff, Harry E. (See Nickum, George S., assignor.)						
Deards, William C., W. E. Copenhaver, and D. L. Adelsperger, assignors to Foos Manufacturing Company, Springfield, Ohio. Grinding-mill	757,097	Apr. 12	1763	383	109	1734
Deare, Joseph H., assignor to American Lubricator Company, Detroit, Mich. Crank-pin oiler	752,047	Feb. 16	2373	530	108	1603
Deas, David M., Jackson, Mich. Mechanically-propelled vehicle	754,975	Mar. 22	3507	768	109	818
Deasy, Peter, assignor to Deasy Water Heater Company, Oakland, Cal. Water-heating apparatus	765,651	July 19	3496	738	111	791
Deasy, Peter A., assignor to Deasy Water Heater Company, Oakland, Cal. Water-heating apparatus	765,652	July 19	3497	738	111	791
Deasy Water Heater Company. (See Deasy, Peter, assignor.)						
Deaver, Richard W. (See Deaver, Thompson, Kreitzer, and Deaver.)						
Deaver, Walter H., C. B. and J. H. Thompson, C. Kreitzer, and R. W. Deaver, Dayton, Ohio. Combined car lock and sealing device	759,079	May 3	977	198	110	222
Debacher, Robert R., New York, N. Y. Chatelaine	748,546	Jan. 5	555	127	108	126
Decarie, Louis F., Montreal, Canada. Garbage-crematory	749,269	Jan. 12	1469	314	108	355
Decoco Company. (See Carson, Alexander A., assignor.)						
Deckebach, Henry E., Cincinnati, Ohio. Rotary pump	755,631	Mar. 29	4704	1045	109	1090
Decker, Alexander C., Keokuk, Iowa. Hog-tamer	750,437	Jan. 26	3747	814	108	884
Decker, Augustin, Macomb, Ill. Label-cabinet	762,888	June 21	2542	551	110	2029
Decker, Carl W., assignor of two-thirds to F. E. Hirsch and G. W. von Berg, Charles City, Iowa. Windmill-pump coupling	750,173	Jan. 19	3257	702	108	756
Decker, Carl W., assignor of two-thirds to F. E. Hirsch and G. W. von Berg, Charles City, Iowa. Pump-coupling	772,311	Oct. 11	2219	486	112	1454
Decker, Carl W., assignor of two-thirds to F. E. Hirsch and G. W. von Berg, Charles City, Iowa. Windmill-pump coupling	774,939	Nov. 15	2758	591	113	651
Decker, Charles E. (See French and Decker.)						
Decker, Edwin S., Malden, assignor to Steel Cable Engineering Company, Boston, Mass. Coal-breaker	758,302	Apr. 26	4192	902	109	2297
Decker, Goshen A., Latham, Ohio. Traction-coupling	751,471	Feb. 9	1270	290	108	1346
Decker, Henry E., New York, N. Y. Bottle-washer	770,797	Sept. 27	3168	671	112	763

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Decker, James M., Chicago, Ill. Life-saving appliance	765,274	July 19	2746	573	111	631
Decker, Lewis J., Vermillion, Ohio. Railway-tie	762,617	June 14	1981	428	110	1886
Decker, Theodore L., Charlottesville, Ind. Drive-well-point	767,269	Aug. 9	2217	461	111	1550
Decker, James W., Oakville, Canada. Cylinder for hide-working machinery	771,614	Oct. 4	777	172	112	1124
Decker, James W., Morristown, Tenn. Sectional-ring frictional roller for leather-splitting machines	777,248	Dec. 13	1536	341	113	1783
Decker, Joseph O., Philadelphia, Pa., assignor to William Mann Company. Binder	756,159	Mar. 29	5725	1264	109	1318
Decker, Joseph O., Philadelphia, Pa., assignor to William Mann Company. Binder	774,595	Nov. 8	1869	406	113	434
Decow, Eber, and J. Stewart, Vassar, Mich. Crate-form for measuring electrical energy	759,832	May 10	1584	321	110	381
Decrow, William E., Boston, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signaling apparatus	756,013	Nov. 29	5035	1062	113	1203
Decrow, William E., Boston, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signaling apparatus	750,268	Jan. 26	3430	741	108	813
Decrow, William E., Boston, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signaling apparatus	750,269	Jan. 26	3433	742	108	814
Decrow, William E., Boston, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signaling apparatus	750,270	Jan. 26	3435	742	108	814
Dederick, Peter K., Albany, N. Y. Bale or package of fibrous material	764,924	July 12	2112	437	111	479
Dederick, Peter K., Albany, N. Y. Bale or package of fibrous material	764,925	July 12	2113	437	111	479
Dederick, Peter K., Loudonville, N. Y. Forming bales or packages of fibrous material	764,926	July 12	2116	438	111	480
Dederick, Peter K., Loudonville, N. Y. Baling-press	764,927	July 12	2117	438	111	480
Dedieu, Pierre, New York, N. Y. Broiler	759,504	May 10	1885	379	110	447
Dedrie, Emalina C., Poughkeepsie, N. Y. Garment stretcher and hanger	763,163	June 21	3073	662	110	2146
Deegan, Edward J., New York, N. Y. Stopper for bottles	767,929	Aug. 16	3595	761	111	1872
Deeley, Samuel, Converse, assignor of one-half to J. Stohn, Arcadia, Ind. Sheet-glass machine	754,732	Mar. 15	3079	673	109	708
Deely, Edward H., et al. (See Downey, John C., assignor.)						
Deem, Arthur S., Reading, Pa. Trolley	753,554	Mar. 1	651	147	109	143
Deem, Arthur S., Reading, Pa. Electric arc lamp	766,496	Aug. 2	726	152	111	1198
Deemer, Harold D. (See Seitzinger, Harry M., assignor.)						
Deemer, John J., Chester, Pa. Converting crude iron into malleable iron or steel	757,276	Apr. 19	2105	459	109	1077
Deemer, Selden S., Reading, Pa. Railway-tie	753,862	Oct. 11	1273	286	112	1246
Deen, James M., Harlan, Iowa. Machine for fraying goods	771,130	Sept. 27	3833	810	112	912
Deere and Company. (See Melvin, Charles H., assignor.)						
Defiance Machine Company. (See Ocumpaugh, Edmund, assignor.)						
Defiance Machine Works. (See Ensign, George A., assignor.)						
Defiance Machine Works. (See Seymour, Charles, assignor.)						
Degelleke, James, Sodus, N. Y. Bench-vice	758,960	May 3	757	151	110	175
Degen, Josef, Düren, Germany. Corn-protector	775,897	Nov. 22	4769	1010	113	1124
Degen, Otto W. (See Heeren, Hanno, assignor.)						
Degging, John C., Cleveland, Ohio. Window-sash lock	775,524	Nov. 22	4017	847	113	964
Degner, Charles F., Lafayette, Ind., assignor to American Lock Washer Company, of New Jersey. Nut-lock	763,049	June 21	2852	617	110	2037
Dehn, Carl W., Topeka, Kans., assignor to Reliance Pneumatic Tool Company, St. Louis, Mo. Bolt-cutting machine	770,270	Sept. 20	2159	449	112	322
Dehoff, Leopold H., Mannheim, and G. Wessbecher, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Compound dye	778,175	Dec. 20	3386		113	2188
Deibel, Ernest C. (See Brown, Daniel W., assignor.)						
Deidrich, William S., Macon, Ga. Combined dumping-scraper and dumping device	768,428	Aug. 23	4702	985	111	2143
Deis, Philip H., assignor of one-half to E. Gerstenberg, Washington, D. C. Pump	759,080	May 3	979	198	110	222
Deiser, Albert A., Chicago, Ill. Wrapping-paper-folding machine	755,462	Mar. 22	4386	971	109	1005
Deisher, John R., Pottsville, Pa. Car-coupling	769,255	Sept. 6	232	54	112	50
Deitrick, Charles F., Berwick, Pa. Metal-cutting shears	758,681	Mar. 1	892	203	109	193
Deitz, Henry, Denver, Colo., assignor to L. Deitz, Albany, N. Y. Rock-drill	768,894	Aug. 30	5667	1191	111	2372
Deitz, Lewis. (See Deitz, Henry, assignor.)						
Dejarnatt, Winifred A., Audrian county, Mo. Protector for eggs for brooding purposes	770,629	Sept. 20	2836	602	112	673
Deko, William C. (See Bockelman and Deke.)						
Dekker, George. (See Vanderlinden, William, assignor.)						
Del Guerra, Oreste. (See Karreman and Del Guerra.)						
Del Mar, Harry, New York, N. Y. Closure for mailing-tubes	758,129	Apr. 26	3899	833	109	2219
Del Negro, Paul von, Salzburg, Austria-Hungary. Hay rake and tedder	751,618	Feb. 9	1543	350	108	1404
Dela Mar, Joseph, assignor of one-half to M. A. Lazareff, New York, N. Y. Electric railway	778,256	Dec. 27	3552	779	113	2243
Delafield, Benjamin T., assignor of one-eighth to J. P. Dawson, St. Louis, Mo. Non-refillable bottle	774,834	Nov. 15	2549	548	113	603
Delaney, William E., Adams, Mass. Automatic air-brake	772,702	Oct. 1	1930	659	112	1644
Delaney, James G., New York, N. Y. Converter for steam-heating	753,441	Feb. 16	3132	108	113	1773
Delaney, James G., New York, N. Y. Hoisting and conveying device	752,442	Feb. 16	3134	697	108	1772
Delaney, Michael G., assignor to E. A. Newell, S. W. Smith, and R. E. Fitz Gerald, Ogdensburg, N. Y. Non-refillable bottle	754,365	Mar. 8	2297	501	109	519
Delaney, Thomas A., assignor to Hills-McCanna Company, Chicago, Ill. Lubricator	749,477	Jan. 12	1928	400	108	452
Delancy, Thomas H., Norwich, Conn. Hydrocarbon-burner	757,027	Apr. 12	1628	354	109	1704
Delaney, William R., New York, N. Y. Display-box for neckwear	760,431	May 24	3658	774	110	872
Delano, A. A. (See Drew, Fred, assignor.)						
Delano, Augustine A., assignor of one-half to F. Drew, Brockton, Mass. Shoe tree or stretcher	772,873	Oct. 18	3330	726	112	1717
Delano, Frederic A., assignor of two-thirds to F. H. Clark and R. D. Smith, Chicago, Ill. Car-door	759,970	May 17	2782	582	110	660
Delano, Frederic A., Chicago, and C. H. Cartledge, Lagrange, Ill. Railway-tie	758,900	May 3	647	129	110	152
Delano, Jeremiah J., New York, N. Y. Faucet	759,246	May 10	1374	273	110	334
Delaney, Patrick B., South Orange, N. J. Perforator for telegraphic transmitting-tapes	776,119	Nov. 29	5229	1105	113	1247
Delaunay, Juan, and R. Vasquez, Buenos Aires, Argentina. Automatic or self-acting rate	751,837	Feb. 9	1964	446	108	1494
Delavigne, Alphonse J., New Orleans, La. Indicator-chart for business-exchanges	771,131	Sept. 27	3855	810	112	913
Delbace, Hector E., Chicago, Ill. Manifolding-book	763,598	June 28	3915	851	110	2350
Delbert, Philippe, Paris, France. Steering-balloon	761,062	May 31	4977	1055	110	1177
Delephant, John J., Chicago, Ill. Die-stock	774,568	Nov. 8	1982	431	113	457
Delephant, William E., New York, N. Y. Sealing-cap for soil-pipes	753,081	Mar. 8	981	199	110	223
Delgoff, Mary, Menominee, Mich. Hanger for grindstones	768,895	Aug. 30	5671	1192	111	2374
Delizy, Joseph, Paris, France. Rotary generator	769,891	Sept. 13	1431	306	112	341
Delker, Frank H., Henderson, Ky. Shifting-rail fastener for vehicle-seats	776,305	Nov. 29	5572	1181	113	1326

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Dell, John. (See Mitchell, Kerr M., assignor.)						
Dellenbarger, Charles E., Cincinnati, and W. D. Carter, Cleveland, Ohio; said Carter assignor to said Dellenbarger. Embossing-press	752,762	Feb. 23	3751	837	108	1926
Dellwo, Christ. (See Granger, Hollis R., assignor.)						
Delphos Can Company. (See Lambert, Robert W., assignor.)						
Delprat, Guillaume D., Broken Hill, New South Wales, Australia. Extracting zinc or other sulfids from their ores	768,035	Aug. 23	3859	808	111	1948
Delprat, Guillaume D., Broken Hill, New South Wales, assignor to Broken Hill Proprietary Company, Limited, Melbourne, Victoria, Australia. Apparatus for use in certain processes of extracting sulfids from ores	763,662	June 28	4046	881	110	2378
Delzeit, Bertram J., Philadelphia, Pa. Motor	750,098	Jan. 19	3136	671	108	728
Demarest, John, Binghamton, N. Y. Grate	778,118	Dec. 20	3286	722	113	2166
Demarest, John, Binghamton, N. Y. Grate	778,119	Dec. 20	3288	722	113	2166
Demely, Emil E., Westport, Md. Machine for making seamless stoppers	771,421	Oct. 4	415	93	112	1045
Dement, Isaac S., East Orange, N. J., assignor to American Mechanical Cashier Company, New York, N. Y. Mechanical cashier	755,279	Mar. 22	4039	896	109	981
Dement, Isaac S., East Orange, N. J., assignor to American Mechanical Cashier Company, New York, N. Y. Register	772,643	Oct. 18	2878	633 634 744	112	1618
Dement, Isaac S., East Orange, N. J., assignor to American Mechanical Cashier Company, New York, N. Y. Mechanical cashier	778,176	Dec. 20	3387	745 746 747	113	2189
Dement, Isaac S., East Orange, N. J., and F. J. Hull, Brooklyn, N. Y., assignors, by mesne assignments, to American Mechanical Cashier Company. Keyboard mechanism for mechanical cashiers, registers, and recorders	757,601	Apr. 19	2788	610	109	1970
Denning, Robert. (See Moore and Denning.)						
Denmiller, William. (See Strasburger, Charles F., assignor.)						
Denpy, Ralph H., assignor to Tate Jones & Co., Incorporated, Pittsburg, Pa. Mechanism for feeding	755,632	Mar. 29	4706	1046	109	1090
Denpy, Ralph H., assignor to Tate Jones & Company, Incorporated, Pittsburg, Pa. Unloading apparatus	767,548	Aug. 16	2878	601	111	1716
Dempsey, William S., New York, N. Y. Metallurgical furnace	750,022	Jan. 19	2982	638	108	698
Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Spark-gap for Roentgen-ray apparatus	756,941	Apr. 12	1445	320	109	1666
Dempster, Robert, Marietta, Ohio. Apparatus for the manufacture of gas	748,933	Jan. 5	735	160	108	167
Dempster, Robert, Marietta, Ohio. Utilizing exhaust of gas-engines	751,472	Feb. 9	1271	230	108	1346
Dempster, Robert, Marietta, Ohio. Retort-vaporizer	761,949	June 7	664	135	110	1585
Dempster, Robert, Marietta, Ohio. Apparatus for manufacturing gas	772,224	Oct. 11	2038	447 448	112	1412
Demsky, Enoch, and C. Redecker, St. Louis, Mo. Vehicle-body	767,264	Aug. 9	2308	483	111	1571
Demsky, Joseph, St. Louis, Mo. Skirt-fastener	769,791	Sept. 13	1237	216	112	297
Demuth, Leopold, New York, N. Y. Tobacco-pipe	767,265	Aug. 9	2309	484	111	1571
Denault, Joseph, New London, Conn. Attachment for lathe-machines	758,238	Apr. 26	4042	873	109	2262
Denayrouze, Louis, Paris, France. Air-gas burner	749,478	Jan. 12	1929	400	108	453
Denayrouze, Louis, Neuilly, France. Incandescent vapor-lamp	750,438	Jan. 26	3749	814 815	108	885
Dence, George P., Sydney, Canada. Bottle	775,802	Nov. 22	4599	974	113	1089
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Car-axle box	762,132	June 7	1030	215	110	1662
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Frictional spring-dampener	766,102	July 26	4405	943	111	997
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Spring-cushion	767,042	Aug. 9	1863	391	111	1476
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Spring-cushion	768,540	Aug. 30	5053	1060	111	2256
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Car-axle box	770,681	Sept. 20	2943	625	112	698
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Spring-cushion	774,650	Nov. 8	2124	464	113	487
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Dust-guard	774,651	Nov. 8	2125	464	113	487
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Dust-guard	774,652	Nov. 8	2127	464	113	488
Denege, Edward, assignor to McCord & Company, Chicago, Ill. Dust-guard	774,653	Nov. 8	2128	465	113	488
Denigune, Anatole, and S. Levinsohn, Geneva, Switzerland. Making condensation products from dicarbo acids and bromated phthalic acids with naphthols	753,372	Mar. 1	277	-----	109	63
Denio, George D., Niles, Kans. Disk or colter sharpener	766,103	July 26	4407	943	111	997
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Automatic and manual fire-alarm	749,175	Jan. 12	1266	273	108	310
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Manual and automatic circuit-controller	761,454	May 31	5725	1220	110	1343
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Auxiliary fire-alarm system	761,636	May 31	6051	1299	110	1415
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Telephone fire-alarm system	762,391	June 14	1494	326	110	1783
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Automatic fire-alarm transmitter	771,235	Oct. 4	29	6	112	967
Denio, William L., assignor of one-half to H. F. Atkinson, Rochester, N. Y. Fire-alarm system	772,644	Oct. 18	2880	634	112	1619
Denise, Emile L. N., Paris, France. Kinetic-energy machine	749,664	Jan. 12	1268	478	108	527
Denise, Frank, and W. T. Buck, Freehold, N. J. Bag-holder	750,174	Jan. 19	3260	708	108	756
Denison, Charles W., Denver, Colo. Buddle	774,048	Nov. 1	1028	219 220	113	232
Denison, Dudley C., Chicago, Ill. Paper-perforating machine	767,104	Aug. 9	2002	417	111	1506
Denison, Emil, San Francisco, Cal. Wire-stretcher	772,556	Oct. 18	2719	598	112	1584
Denison, Julian F., New Haven, Conn. Vaporizer for explosive-engines	756,834	Apr. 12	1238	276	109	1624
Denk, Simon, Whitestone, assignor of two-thirds to L. O. Tafel, Brooklyn, N. Y. Rolls for twisting drills	761,880	June 7	543	108	110	1561
Denman, Victor M., Roberts, Ala. Check-valve	777,942	Dec. 20	2952	648	113	2098
Denman, William. (See Hawley, Sylvester S., assignor.)						
Denn, Charles. (See Cocker and Denn.)						
Denne, Mark T., London, assignor to J. Cave & Sons, Ltd., Rushden, England. Shoe-sewing machine	774,654	Nov. 8	2130	465 466 467	113	488
Dennett, Charles W. (See Winslow and Dennett.)						
Dennett, Daniel C., Winchester, Mass. Snare-tip	777,716	Dec. 20	2456	539	113	1997
Denning, Joseph M., Cedar Rapids, Iowa. Wire-fence machine	772,405	Oct. 18	2419	531 532 533	112	1519
Dennis, Adolphus S., assignor to Bankers Adding Machine Co., Cleveland, Ohio. Adding and recording machine	758,052	Apr. 26	3680	798 799 800	109	2127
Dennis, Arthur E. (See Dennis, Waldo H. and A. E.)						
Dennis, August, Pittsburg, Pa. Wrench	762,028	June 7	805	165	110	1612

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Dennis, Decatur D., New Orleans, La. Water-elevator.....	762,153	June 7	1031	215	110	1662
Dennis, Felix, <i>et al.</i> (See Schofield and Ross, assignors.)						
Dennis, George W., Harvey, Ill. Dust-guard for railway-journals	762,154	June 7	1032	215	110	1663
Dennis, Harry R., <i>et al.</i> (See Dennis, James M., assignor.)						
Dennis, James M., assignor of three-eighths to H. R. Dennis and W. H. Alford, Richmond, Ind. Artificial fuel	773,004	Oct. 25	3594	-----	112	1792
Dennis, John R., and J. H. Fawthorpe, assignors to J. Crossley & Sons, Limited, Halifax, England. Loom for weaving looped or pile fabrics	769,062	Aug. 30	6006	1258	111	2448
Dennis, Samuel K., assignor to Plano Manufacturing Company, Chicago, Ill. Mowing-machine	750,827	Feb. 2	78	17 18 19 20	108	1074
Dennis, Samuel K., Chicago, Ill. Assignor to International Harvester Company. Tongue-truck for harvesters	760,107	May 17	3057	639	110	735
Dennison, Henry S., South Framingham, assignor to Dennison Manufacturing Company, Boston, Mass. Paper cap for milk bottles, jars, &c.	751,473	Feb. 9	1273	291	108	1346
Dennison Manufacturing Company. (See Dennison, Henry S., assignor.)	772,557	Oct. 18	2721	598	112	1584
Dennison Manufacturing Company. (See Mussian, Oscar, assignor.)						
Dennison, Wilburn N., Camden, N. J., assignor to Victor Talking Machine Company. Combined regulator and brake for talking-machines	755,851	Mar. 29	5161	1141 1142	109	1196
Dennison, Wilburn N., Camden, N. J., assignor to Victor Talking Machine Company. Multisped device for talking-machine motors	755,852	Mar. 29	5163	1142	109	1196
Dennison, Wilburn N., Camden, N. J., assignor to Victor Talking Machine Company. Turn-table for talking-machines	765,462	July 19	3146	658	111	716
Dennistown, Edgar M., Burlington, Iowa. Button lathe and drill	769,150	Sept. 6	18	5, 6	112	6
Denny, Austin H., New York, N. Y., assignor to C. R. Hutton, Orange, and R. F. Heiles, Newark, N. J. Binder	771,793	Oct. 11	1512	341	112	1294
Denny, Charles W., New York, N. Y., assignor to Cooper Hewitt Electric Company. Starter for vapor electric apparatus	764,181	July 5	539	106	111	119
Denslow, William H., Waverly, N. Y. Combined heating apparatus	767,874	Aug. 16	3496	739	111	1850
Densmore Typewriter Company. (See Barron, Walter J., assignor.)						
Densmore Typewriter Company. (See Bond, Charles J., assignor.)						
Densmore Typewriter Company. (See Merritt and Barron, assignors.)						
Denson, Arthur B., Beloit, Wis. Reciprocating cylindrical valve	767,390	Aug. 9	2423	508	111	1595
Denson, Claude B., Raleigh, N. C. Envelop	750,850	Jan. 26	3501	778	108	851
Dentier, Frank, Vicksburg, Mich. Sliding door	773,127	Oct. 25	3988	845	112	1885
Dentier, Frank, Vicksburg, Mich. Automatic sliding door	773,128	Oct. 25	3990	845	112	1886
Denton, Gilbert H., assignor to J. A. Ferguson, Denver, Colo. Press for molding building-blocks	769,819	Sept. 13	1303	276	112	314
Denton, Gilbert H., assignor to J. A. Ferguson, Denver, Colo. Press for forming building-blocks	773,630	Nov. 1	175	39	113	44
Denton, Gilbert H., assignor to J. A. Ferguson, Denver, Colo. Lowering-stand for presses for forming building-blocks	775,347	Nov. 22	3650	773	113	882
Denton, John, Paterson, N. J. Flushing apparatus	768,215	Aug. 23	4260	896	111	2039
Denton, Robert W. (See Denton, William D. and R. W.)						
Denton, William D. and R. W., Wellesley, Mass. Mount for thin, fragile articles	764,273	July 5	731	149	111	162
Denyes, Gaylord W., and O. Schutt, Chicago, Ill. assignors to International Harvester Company. Combined seeder and cultivator	759,247	May 10	1375	274	110	334
Derazar, Frederick E., and W. W. Black, Everett, Wash. Telephone or telegraph system	759,306	Sept. 6	347	73, 79	112	75
Depape, Pierre A., Antwerp, Belgium. Automatic balance-scale	760,316	May 17	3448	727	110	809
Depew, George M., Canandaigua, N. Y. Tire	750,023	Jan. 19	2984	639	108	699
Depew, John C., Chicago, Ill. Mounting hoppers for dump-cars	757,277	Apr. 12	2107	459 460	109	1807
Depew, John C., Chicago, Ill. Hopper for dump-cars	757,278	Apr. 12	2109	460	109	1808
Depew, John C., Chicago, Ill. Dump-car	757,279	Apr. 12	2113	460	109	1809
Depew, John C., Chicago, Ill. Truck	757,280	Apr. 12	2115	461	109	1810
Deppe, William P., Cincinnati, Ohio. Journal	753,242	Mar. 1	50	13	109	14
Derby, John H., Brookline, Mass. assignor to Eastern Fire Protection Company. Automatic valve for fire-extinguishers	756,835	Apr. 12	1240	277	109	1625
Derby, John H., Brookline, assignor to E. D. Chadwick, trustee, Boston, Mass. Dry-pipe valve	772,134	Oct. 11	1850	411	112	1371
Derby, Silas L., Frewsburg, N. Y. Tool-holder for grindstones	774,134	Nov. 1	1178	251 252	113	266
Derbyshire, William H., Chambersburg, Pa. Hydraulic machine and valve therefor	758,595	Apr. 5	770	167 168	109	1505
Derdeyn, Roman, Vicksburg, Miss. Cotton-seed delinier	753,373	Mar. 1	279	69	109	63
Derepas, Alexandre E. (See Derepas, Edmond H. and A. E.)						
Derepas, Edmond H. and A. E., Paris, France. Photographic paper	770,421	Sept. 20	2440	516	112	585
Dertus, Joseph, <i>et al.</i> (See Farmer, Julius M., assignor.)						
Derham, Charles H., Corunna, Mich. Beet blocker and cultivator	754,284	Mar. 8	2096	465	109	475
Derham, Samuel G., Cincinnati, Ohio. Filtering material	754,083	Nov. 29	5439	1152	113	1296
Derham, Samuel G., Cincinnati, Ohio. Pressure filter	776,222	Nov. 29	5439	1152	113	1296
Déri, Max, Vienna, Austria-Hungary, assignor to Stanley Electric Manufacturing Company. Electric-power-transmission system	755,853	Mar. 29	5165	1142 1143	109	1197
Derick, Myron L., Chicago, Ill. Sponge-rubber mattress	752,147	Feb. 16	2559	569	108	1645
Deries, Armand, Lyons, and C. Umbach, l'Horine par St. Julien, assignors to La Société Nouvelle des Etablissements de l'Horine et de La Bule, Lyons, France. Multiplier for hydraulic presses	777,008	Dec. 6	1093	237	113	1669
Derrig, Michael, Mapleton, N. D. Barrel-holder	756,337	Apr. 5	289	60	109	1405
Derksen, Gerhard, St. Martins, Wis. Lifting-jack	759,248	May 10	1376	274	110	334
Dermedy, J. G. (See Egan, Thomas, assignor.)						
Derry, Carry D. (See Dickey and Derry.)						
Derval, Eugene, Paris, France. Regenerative gas-furnace	762,578	June 14	1905	411	110	1870
Derr, Jacob, St. Louis, Mo. Car-fender	760,969	May 24	4756	1012	110	1111
Derr, Jacob, St. Louis, Mo. Street-car fender	765,067	July 12	2383	495	111	533
Des Jardins, Benjamin M., West Hartford, Conn. assignor to Des Jardins Computing Register Company, Jersey City, N. J. Automatic computing-register	763,966	July 5	46	8, 9	111	16
Des Jardins Computing Register Company. (See Des Jardins, Benjamin M., assignor.)						
Des Moinesaux, Alfred V., assignor of three-fourths to H. Des Moinesaux, Silverplume, Colo. Miner's tool	753,048	Feb. 23	4343	966	108	2059
Des Moinesaux, Helen. (See Des Moinesaux, Alfred V., assignor.)						
Des Noyers, Edward, and H. Vohl, West Hoboken, N. J. Clothes-line pulley	777,717	Dec. 20	2457	540	113	1997
Descamps, Gaston, Mons, Belgium. Cylinder for ball-mills	764,715	July 12	1689	345	111	385
Descamps, Louis, Lille, France. Forming-machine for hydrolulites and making same	769,593	Sept. 6	874	112	112	198
Deschenes, Charles C., Fall River, Mass. Tire-repairer	752,826	Feb. 23	3880	870	108	1955

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Deshler, Charles D., Allentown, Pa. Filter-cleaner	751,061	Feb. 2	514	120	108	1172
Desjardins, Charles. (See Michaud and Desjardins.)						
Desmarieau, Joseph A., Granby, Canada. Valve	758,053	Apr. 26	3687	801	109	2186
Desmond, John, assignor to Desmond-Stephan Manufacturing Company, Urbana, Ohio. Tool for dressing emery-wheels	750,828	Feb. 2	86	20	108	1076
Desmond, John, assignor to William Powell Co., Cincinnati, Ohio. Throttle-valve	754,547	Mar. 15	2682	582	109	622
Desmond, John, assignor to Wm. Powell Company, Cincinnati, Ohio. Steam-injector	759,162	May 3	1129	229	110	256
Desmond-Stephan Manufacturing Company. (See Desmond, John, assignor.)						
Desobry, Charles W., Indianapolis, assignor, by mesne assignments, of one-half to E. C. Perry, Jeffersonville, Ind. Carrier for bottles or the like	774,569	Nov. 8	1983	431	113	458
Dessart, Alice H., Nogales, Ariz. Ter. Combination wearing-apparel	770,562	Sept. 20	2718	575	112	647
Destombes, Jean B. L., Tourcoing, France. Purifying feed-water	753,860	Mar. 8	1294	291	109	299
Deters, Edward F., Cincinnati, Ohio. Pressure-regulator for acetylene-gas generators	764,716	July 12	1690	346	111	385
Detmers, Henry J., Columbus, Ohio. Hypodermic syringe	767,686	Aug. 16	3131	654	111	1771
Détré, Léon, Reims, France. Apparatus for dyeing under pressure	773,378	Oct. 25	4519	956	112	2022
Detrick, Jacob S., Baltimore, Md. Vertically-swinging support or shelf	750,829	Feb. 2	87	20	108	1076
Detrick, Myron H., Sterling, Ill. Vehicle-axle	755,280	Mar. 22	4041	896	109	932
Detroit Cap Manufacturing Company. (See Wolfgang, Adolph, assignor.)						
Detroit Electric Signal Company. (See Fessenden, Howard A., assignor.)						
Detroit Folding Card Company. (See Leadbetter, George D., assignor.)						
Detroit Saw & Tool Works. (See Kinney, Israel, assignor.)						
Detroit Trolley Manufacturing Company. (See Johnson, Henry, assignor.)						
Detroit Wheel and Electrical Equipment Company. (See Potts, Elijah W., assignor.)						
Detroit Trust Co., trustee. (See Southgate, Louis W., assignor.)						
Detroit Trust Co., trustee. (See Wood, Henry A. W., assignor.)						
Detroit Trust Company, trustee. (See Bechman, Henry P., assignor.)						
Dette, Max H., assignor to estate of P. Prybil, New York, N. Y. Hanger-box	751,838	Feb. 9	1965	446	108	1494
Detmar, Georg, assignor to Society of Electricitäts-Actien-Gesellschaft, vorm. W. Lahmeyer & Co., Frankfurt-on-the-Main, Germany. Means for testing lubricating substances	752,827	Feb. 23	3881	870	108	1955
Detmar, Georg, assignor to Society of Electricitäts-Actien-Gesellschaft vorm. W. Lahmeyer & Co., Frankfurt-on-the-Main, Germany. Velocity-meter	753,243	Mar. 1	52	13, 14	109	14
Dettmer, Juliet, Newark, N. J. Cleaning implement	775,077	Nov. 15	3037	1644 1645	113	718
Detweiler, Andrew J., Columbia, Mo. Producing superheated vapor at atmospheric pressure	772,703	Oct. 18	3008	659	112	1644
Detweiler, Andrew J., Columbia, Mo. Apparatus for producing superheated vapor at atmospheric pressure	772,704	Oct. 18	3004	1660 1661	112	1645
Detwiler, Arthur, Wadsworth, Ohio. Self-igniting cigar	776,646	Dec. 6	354	76	113	1507
Detwiler, Christopher B., McArthur township, Logan county, Ohio. Fence-post	761,455	May 31	5727	1220	110	1343
Detwiler, Isaac W., Buffalo, N. Y. Influence-machine	769,433	Sept. 6	577	126	112	131
Deubner, John W., Chicago, Ill. assignor, by mesne assignments, to International Time-Recording Company. Time-recorder	749,932	Jan. 19	2787	595 596	108	657
Deul, D. V. (See Jackson, Jesse A., assignor.)						
Deuscher, Henry P., deceased, Hamilton, Ohio; O. Ehresman, G. Schwenn, and F. H. Berk, executors. Cultivator	769,392	June 14	1497	326	110	1783
Deuster, John H. B., and H. A. Schmeyer, Milwaukee, Wis. Lubricator	771,815	Oct. 11	1177	262	112	1225
Deutsch, Adolph S., et al. (See Swenson, Thomas J., assignor.)						
Deutsch, Isidor, Montreal, Canada. Pole-changer for dynamos	751,474	Feb. 9	1275	291	108	1347
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Means for controlling electric currents	760,970	May 24	4758	1013	110	1111
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Power-transmitting device	763,967	July 5	56	9	111	18
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Power-transmitting device	768,036	Aug. 23	3861	808 809	111	1949
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Dynamo	773,129	Oct. 25	3992	846	112	1887
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Brush-holder for electric generators	774,163	Nov. 8	1231	263	113	295
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Means for controlling the voltage from electric generators	776,223	Nov. 29	5440	1152	113	1296
Deutsch, Isidor, assignor to Electric and Train Lighting Syndicate, Limited, Montreal, Canada. Power-transmitting device	778,405	Dec. 27	3867	843	113	2310
Deutsche Industrie-Werke Akt.-Ges. (See Wolf, Franz E., assignor.)						
Deutsche Thermophor A. G. (See Iden, Friedrich W., assignor.)						
Deutsche Waffen- & Munitionsfabriken of Berlin. (See Riebe, August, assignor.)						
Deutschmann, Charles O., Hampstead-Heath, London, England. Rotary motor	776,387	Nov. 29	5736	1213 1214	113	1363
Devaney, Thomas H., Longbranch, N. J. Boiler-tube plug	778,638	Dec. 27	4326	944	113	2411
Devaux, Paul. (See Yocellier and Devaux.)						
Devereux, Washington, et al. (See McDevitt, William, assignor.)						
Devey, Matthew H., Philadelphia, Pa. Submarine preserving and antifouling composition	754,054	Mar. 8	1668	-----	109	384
Deviessé, John T., Crownhill, W. Va. Air-door	750,617	Jan. 26	4089	885	108	353
Devine, William F., Boston, Mass. Clamp-hanger	752,828	Feb. 23	3882	870	108	1955
Devine, William F., Boston, Mass. assignor to Consolidated Fastener Company, Portland, Me. Assembling, forming, and setting mechanism	756,837	Apr. 12	1244	278	109	1626
Devlin, Walter E. (See Bennett, Dwight W., assignor.)						
Devore, Francis M., assignor to M. A. Devore, Thompson, Iowa. Cow-milker	778,227	Dec. 27	3485	766	113	2228
Devore, James A., Pittsburg, and S. C. Yount, Wilkinsburg, Pa. Invalid-bed	778,570	Dec. 27	4182	912	113	2377
Devore, Martha A. (See Devore, Francis M., assignor.)						
Devore, Melvin L., et al. (See Annis, Frank M., assignor.)						
Devo, John M., Syracuse, N. Y. Pen	762,693	June 14	2137	465	110	1922
Dew, John, assignor to L. S. M. Hood, trustee, Chicago, Ill. Safety-truck for railways	751,476	Feb. 9	1279	292	108	1348
Dew, John, assignor to L. S. M. Hood, trustee, Chicago, Ill. Railway-car	763,968	July 5	57	9	111	18
Dewaine, Charles J., Bath, N. Y. Plumb and level	767,392	Aug. 16	2546	536	111	1639
Dewald, Edward A. (See Hunsinger and Dewald.)						
Dewar, James, Cambridge, England. Manufacture of nickel carbonyl	760,852	May 24	4532	966	110	1068
Dewes, Abednego, New York, N. Y. Eyleting-machine	760,617	May 24	4034	858	110	957
Dewes, Abednego, New York, N. Y. Flange-forming machine	766,877	Aug. 9	1557	325 326	111	1406
Dewes, Edward H., St. Louis, Mo. Wagon-body clamp	761,456	May 31	5727	1221	110	1343
Dewey, Frank E., Fort Collins, Colo. Beet-harvester	773,279	Oct. 25	4317	913	112	1959

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Dewey, Harry. (See Grice and Dewey.)						
Dewey, Harry, Birmingham, England. Mantle for incandescent gas-burners	775,128	Nov. 15	3140	668	113	740
Dewey, Henry H., et al. (See Dyanman and Perrin, assignors.)						
Dewey, John J., Highland Park, Tenn. Apparatus for erecting buildings by molding artificial stone	768,429	Aug. 23	4705	985	111	2144
Dewey, Luman R., Alliance, Nebr., assignor of three-fourths to D. Yondorf, C. W. Brown, and J. M. Shultheiss, Chicago, Ill. Locking device for journal-box lids	733,632	Mar. 1	894	203	109	194
Dewey Navigation and Trading Company. (See Henning, Abel, assignor.)						
Dewsberry, Robert A., Chicago, Ill. Freezing mechanism	770,357	Sept. 20	2332	492	112	562
Dexter, Lewis P., New York, N. Y. Gas-burner	771,356	Oct. 4	273	61	112	1018
Dexter, Stephen B. (See Tures, William, assignor.)						
Dexter, Talbot C., Pearl River, N. Y. Automatic controlling mechanism for printing-presses	749,536	Jan. 12	2037	423	108	476
Dexter, Talbot C., Pearl River, N. Y. Automatic controlling mechanism for printing-presses or other machines designed to operate upon sheets of paper	749,537	Jan. 12	2041	424	108	478
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	732,380	Feb. 16	3007	670	108	1746
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	732,381	Feb. 16	3011	670	108	1747
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	732,382	Feb. 16	3014	671	108	1748
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	732,383	Feb. 16	3017	672	108	1748
Dexter, Talbot C., Pearl River, N. Y. Paper-feeding machine	754,203	Mar. 8	1933	430	109	443
Dexter, Talbot C., Pearl River, N. Y. Paper-feeding machine	754,204	Mar. 8	1939	432	109	444
Dexter, Talbot C., Pearl River, N. Y. Paper-feeding machine	754,205	Mar. 8	1945	433	109	445
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	759,211	May 3	1258	253	110	287
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	759,212	May 3	1261	254	110	288
Dexter, Talbot C., Pearl River, N. Y. Sheet-conveying machine	759,213	May 3	1269	255	110	289
Dexter, Talbot C., Pearl River, N. Y. Sheet-registering mechanism	759,272	May 17	2791	584	110	662
Dexter, Talbot C., Pearl River, N. Y. Throw-out mechanism for printing-presses	762,811	June 14	2379	518	110	1973
Dexter, Talbot C., Pearl River, N. Y. Feeding-machine and printing-press controlling mechanism	765,414	July 19	3026	633	111	691
Dexter, Talbot C., Pearl River, N. Y. Throw-out mechanism for printing-presses	772,705	Oct. 18	3008	661	112	1646
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Automatic controlling mechanism for printing-presses	749,036	Jan. 5	969	204	108	236
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Sheet-caliper device for paper-handling machinery	749,037	Jan. 5	974	205	108	237
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Sheet-registering means for paper-feeding machines	759,971	May 17	2378	583	110	660
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Paper-feeding machine	762,810	June 14	2375	584	110	1972
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Sheet-conveying machine	764,928	July 12	2119	517	111	480
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Sheet-registering mechanism for paper-feeding machines	764,929	July 12	2123	439	111	481
Dexter, Talbot C., and H. Hallstream, Pearl River, N. Y.; said Hallstream assignor to said Dexter. Paper-feeding machine	768,979	Aug. 30	5841	1227	111	2413
Dexter, Talbot C., and H. E. Wood, Pearl River, N. Y.; said Wood assignor to said Dexter. Automatic clutch	775,063	Nov. 15	3005	638	113	711
Dey, Harry E. (See Speirs and Dey.)						
Dey, Harry E., New York, N. Y. Electric bell	749,365	Jan. 12	1672	356	108	400
Dey, James G. S., Syracuse, N. Y. Toilet-powder flask	771,615	Oct. 4	781	173	112	1126
Deydier, Joseph M., Nyons, France. Pocket-spittoon	751,266	Feb. 2	927	210	108	1254
Deyherle, Frederick C. (See Weber and Deyherle.)						
Deyherle, William M. (See Weber and Deyherle.)						
Dezendorf, Richard L., New York, N. Y. Water-closet	775,029	Nov. 15	2938	636	113	695
Dhale, Elizabeth M., Oakland, Cal. Dress or corset spring	756,596	Apr. 5	771	168	109	1506
Di Vito, Frank S., New Orleans, La. Roundabout	773,831	Nov. 1	559	121	113	129
Diack, George A., et al. (See Mainland, Albert W., assignor.)						
Dial, Wilbur F., and G. H. Dimond, assignors to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machine lubricator	772,502	Oct. 18	2620	576	112	1562
Diamant, Julius Raab, Austria-Hungary. Electrolytically producing lead-peroxid layers upon positive electrodes of zinc-plated	774,049	Nov. 1	1080	220	113	232
Diamond Drill Contracting Company. (See Stone, Frederick, assignor.)						
Diamond Iron Works. (See Dittbenner, Hermann G., assignor.)						
Diamond Match Company. (See Donnelly, Joseph C., assignor.)						
Diamond Match Company. (See Hutchinson and Weston, assignors.)						
Diamond Match Company. (See Lagerman, Alexander, assignor.)						
Diamond Match Company. (See Wright, Jacob P., assignor.)						
Diamond Rubber Company. (See Cronin, William F., assignor.)						
Diamond Rubber Company. (See Marks, Arthur H., assignor.)						
Diamond Rubber Company. (See Marks and Metzler, assignors.)						
Dianowsky, John, assignor of one-half to M. Lujanovitz, Passaic, N. J. Electric signaling system	762,812	June 14	2333	519	110	1973
Diat dit Diaz, Antoine, Brussels, Belgium. Metallized glass	764,991	July 12	2282	520	111	504
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Stencil-printing machine	749,983	Jan. 19	2900	620	108	681
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Paper-feeding and stencil-printing apparatus	749,984	Jan. 19	2904	620	108	682
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Paper-feeding apparatus	749,986	Jan. 19	2913	622	108	684
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Rotary stencil-printing machine	764,275	July 5	733	150	111	162
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating apparatus	775,078	Nov. 15	3088	645	113	719
Dick, Albert B., assignor to A. B. Dick Company, Chicago, Ill. Stencil-printing machine	778,449	Dec. 27	3945	859	113	2328
Dick, Albert B., and E. Brasseur, assignors to A. B. Dick Company, Chicago, Ill. Paper-feeding apparatus	749,985	Jan. 19	2910	621	108	684

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Dick, John. (See Lewis and Dick.)						
Dick, Joseph, Canton, Ohio. Fodder-cutter	771,047	Sept. 27	3666	773	112	874
Dick, Robert C., Whitsett, assignor to H. A. Reams, Durham, N. C. Tobacco-clamp	754,285	Mar. 8	2098	465	109	476
Dickson, James, Appollo Bay, Victoria, Australia. Driving-gear for cycles or other mechanisms	767,800	Aug. 16	3337	705	111	1817
Dickson, Jonathan, assignor of one-half to J. Crowley, Larue, Ohio. Nut-lock	752,307	Feb. 16	2665	591	108	1669
Dicke, Hugo, assignor to J. E. Goldschmid, Frankfort-on-the-Main, Germany. Welding apparatus	752,208	Feb. 16	2666	591	108	1670
Dicke, Hugo, assignor to J. E. Goldschmid, Frankfort-on-the-Main, Germany. Welding apparatus	752,209	Feb. 16	2666	591	108	1670
Dicke, Hugo, assignor to J. E. Goldschmid, Frankfort-on-the-Main, Germany. Welding apparatus	753,375	Mar. 1	282	64, 65	109	64
Dickerson, Albert W., Corsica, Ohio. Water-heater	762,155	June 7	1033	216	110	1663
Dickerson, Cornelius B., Clio, Va. Automatic train-pipe coupling	771,002	Sept. 27	3576	753	112	856
Dickerson, Ernest C., San Antonio, Tex. Grate-fender	768,657	Aug. 30	5185	1090	111	2225
Dickerson, Henry J., Niagara Falls, N. Y. Pulp-screen	774,966	Nov. 15	3796	598	113	660
Dickerson, Norval W., Derwent, Ohio. Safety device for mine-shafts	774,655	Nov. 8	2134	467	113	489
Dickey, Arthur R., Missouri Valley, Iowa, assignor of one-half to T. F. von Dorn, Omaha, Nebr. Telegraphic instrument	766,430	Aug. 2	566	120	111	1163
Dickey, Ernest E., Wellsburg, W. Va. Clutch mechanism	776,224	Nov. 29	5443	1153	113	1297
Dickey, George W., Chicago, Ill. Rail-joint	758,386	Apr. 26	4738	1021	109	2418
Dickey, James L., Atlanta, Ga. Electrical railway-signal	773,065	Oct. 25	3797	811	112	1839
Dickey, John T., and C. D. Derry, Barborton, Ohio. Tire-fastening device	761,457	May 31	5728	1251	110	1343
Dickey, John T., and C. D. Derry, Barborton, Ohio. Non-collapsible tire	767,043	Aug. 9	1865	391	111	1476
Dickie, William, Campbellton, Canada. Shaft-holder	774,416	Nov. 8	1687	361	113	305
Dickinson, Eldred P., et al. (See Gathmann, Louis, assignor.)						
Dickinson, Elmer D., Stockbridge, Mich. Adjustable wagon-track	754,276	July 5	738	151	111	163
Dickinson, Frank, Springport, Mich. Sparkar	754,286	Mar. 8	2099	466	109	476
Dickinson, Frank, Springport, Mich. Valve-gear for gas-engines	758,901	May 3	649	130	110	133
Dickinson, Frank, Springport, Mich. Vaporizer for explosive-engines	758,902	May 3	649	130	110	133
Dickinson, Frank T., Chicago, Ill. Brake-shoe	751,477	Feb. 9	1283	232	108	1349
Dickinson, Frederick E., Kendallville, Ind. Electric kiln	773,853	Nov. 1	633	135	113	146
Dickinson, George F., Jr., Morristown, N. J. Attachment for window-shades	756,597	Apr. 5	773	168	109	1506
Dickinson, Grant. (See Bradbury, Eugene A., assignor.)						
Dickinson, John E. T., assignor of one-half to S. Avey, Beatrice, Nebr. Stove	765,309	July 19	2817	587	111	647
Dickinson, Joseph H., Garwood, N. J., assignor to Aeolian Company, New York, N. Y. Pedal-housing for pianos embodying mechanical playing mechanism	770,568	Sept. 20	2719	575	112	648
Dickinson, Joseph H., Garwood, N. J., assignor to Aeolian Company, New York, N. Y. Music-sheet-feed-controlling mechanism	772,225	Oct. 11	2039	448	112	1412
Dickinson, Paul, Winetka, Ill. Smoke-stack. (Reissue)	12,210	Apr. 5	1178	261	109	1596
Dickinson, Paul, Chicago, Ill. Chimney	758,510	Apr. 26	4592	987	109	2387
Dickinson, Paul, Chicago, Ill. Smoke-stack	760,733	May 24	4296	912	110	1013
Dickinson, William N., Jr., Chicago, Ill., assignor to Otis Elevator Company, New York, N. Y. Safety and signaling device for hoisting mechanism	752,559	Feb. 23	3565	794	108	1885
Dickson, Adam S., Woodbury, N. J. Gas-engine	767,549	Aug. 16	2880	602	111	1716
Dicks, William, Rochester, N. Y. Sink-strainer	760,383	May 17	3568	752	110	837
Dickson, Alexander. (See Perry and Dickson.)						
Dickson, Edward M., Decatur, Ill. Shoe-fastening	773,719	Nov. 1	357	79	113	84
Dickson, George F., Chicago, Ill. Confectionery-dipping apparatus	771,357	Oct. 4	274	61	112	1018
Dickson, George F., Chicago, Ill. assignor to Confectioners and Bakers Supply Co., Ice cream mold	763,732	June 28	4185	912	110	2408
Dickson, George M., Palmyra, Mo. Traction-engine	758,740	May 3	332	65, 66	110	82
Dickson, Herman. (See Cree and Dickson.)						
Dickson, James G., Chicago, Ill. Check-book holder	762,393	June 14	1499	327	110	1783
Dickson, John W., and N. J. Carson, Castlerock, Wash. Liquid-shooting gun and insect-destroyer	753,127	Feb. 23	4480	997	108	2069
Dickson, Robert G. (See Power, Michael, assignor.)						
Dickson, William K. L., London, England. Incandescent mantle and manufacturing same	760,317	May 17	3451	727	110	810
Dickson, William K. L., and G. A. Cuccotti, London, England.; said Cuccotti assignor to said Dickson. Engine	760,318	May 17	3452	727	110	810
Diebel, William, Philadelphia, Pa. Vending-machine	768,271	Aug. 23	4363	918	111	2062
Diebel, William, Philadelphia, Pa. Vending-machine	774,235	Nov. 8	1359	289	113	323
Diebitsch, Emil, New York, N. Y. Tunnel or like construction	764,797	July 12	1844	379	111	419
Diebitsch, Emil, New York, N. Y. Apparatus for building tunnels or the like	764,798	July 12	1848	380	111	420
Diebold, Charles J., Cleveland, Ohio. Mine-curtain raiser	756,598	Apr. 5	775	168	109	1506
Dieckhoff, Hans H. J., Hamburg, Germany. Floating dock	755,854	Mar. 29	5168	1143	109	1197
Dieckmann, Carl F., assignor to Spencer Lens Company, Buffalo, N. Y. Portable microscope and case therefor	752,889	Feb. 23	4003	897	108	1983
Dieckmann, Carl F., assignor to Spencer Lens Company, Buffalo, N. Y. Fine adjustment for microscopes	754,954	Mar. 15	3470	759	109	793
Dieckmann, Carl F., assignor to Spencer Lens Company, Buffalo, N. Y. Microtome	775,556	Nov. 23	4114	865	113	985
Dieckmann, Carl F., assignor to Spencer Lens Company, Buffalo, N. Y. Ratchet mechanism	775,557	Nov. 23	4120	866	113	986
Diecks, Henry, Eastport, Me. Flanging-machine	767,266	Aug. 9	2310	484	111	1571
Diederich, Henry F., Alexandria, S. D. Wheel-washer	762,618	June 14	1982	428	110	1887
Diederichs, M. Jean. (See Hesse and Paraf-Javal, assignors.)						
Diedrich, Charles J., and A. F. Cramer, Detroit, Mich. Air-compressor	764,182	July 5	541	106	111	119
Dietendorf, Orris G., Watertown, N. Y. Making brick	766,938	Aug. 9	1680	288	111	1434
Diehl, George C., assignor to Butler Arc Light Company, Butler, Ind. Gas-machine	762,394	June 14	1499	327	110	1784
Diehl, George C., assignor to Butler Arc Light Company, Butler, Ind. Gas-machine	773,200	Oct. 25	4170	880	112	1926
Diehl, Jacob, assignor to Standard Sewing Machine Company, Cleveland, Ohio. Machine for sewing on buttons	766,814	Aug. 9	1425	298	111	1377
Diehl, Max, Hanover, Germany. Toy	772,343	Oct. 18	2293	502	112	1492
Diehl, Thompson R., Allentown, Pa. Carpet-fastener	751,367	Feb. 2	928	211	108	1254

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Diehl, Walter R., Pittsburg, Pa. Bridge construction	758,428	Apr. 26	4436	953	109	2350
Dierdorff, Henry B., assignor to J. A. Jeffrey, Columbus, Ohio. Mining-machine	751,478	Feb. 9	1284	203	108	1349
Dierickx, Joseph, Uccle, near Brussels, Belgium. Door or shutter	759,163	May 3	1131	229	110	257
Dierks, Johann H. F., and C. J. Möllmann, Osnabrück, Germany. Centrifugal liquid-separator	777,885	Dec. 20	2827	621	113	2074
Dierlamm, Peter, Stratford, Canada. Building-block	778,406	Dec. 27	3870	843	113	2310
Diers, Henry W., River Falls, Wis. Bread and cake closet	774,835	Nov. 15	2551	549	113	603
Diesel, Conrad, assignor to F. Diesel, Chicago, Ill. Tin can	757,282	Apr. 12	2118	462	109	1810
Diesel, Frank. (See Diesel, Conrad, assignor.)	751,724	Feb. 9	1851	421	108	1460
Diesler, Christian, Coblenz, Germany. Smelting and reducing metals	764,044	July 5	260	49	111	59
Dieter, John C. (See Shilling and Dieter.)						
Dieter, William, New York, N. Y. Running-gear for vehicles	766,226	Aug. 2	161	29	111	1077
Dieterich, Fred G., Washington, D. C. Rice-hulling machine	770,236	Sept. 13	2052	432	112	477
Dieterich, Fred G., Washington, D. C., assignor to H. K. Ivens and J. K. Boland, New Orleans, La. Automatic spout cut-off mechanism	764,277	July 5	739	151	111	164
Dieterich, Karl G., New York, N. Y. Covering for walls and ceilings	777,334	Dec. 13	1705	377	113	1821
Dieterich, Ludwig M., New York, N. Y. Game	760,384	May 17	3569	753	110	837
Dieterle, John M., St. Louis, Mo. Ice-pick	749,665	Jan. 12	2270	479	108	527
Dieterle, John M., St. Louis, Mo. Bung-mallet	755,633	Mar. 29	4707	1046	109	1090
Dietmann, Wilhelm, Slotergemeente, Netherlands, assignor, by mesne assignments, to J. H. G. Stuurman, Jr., Brooklyn, N. Y. Cutting-machine	754,055	Mar. 8	1669	370	109	384
Dietrich, Joseph, St. Cloud, Minn. Saw-set	749,270	Jan. 12	1476	315	108	355
Dietrich, Robert, Mühlberg, Merseburg, Germany. Paper-stuff-water-circulating apparatus for paper-mills	767,210	Aug. 9	2219	462	111	1351
Dietrich, Lorenz, Wapakoneta, assignor of one-half to F. Krein, Sr., St. Marys, Ohio. Acetylene-gas generator	750,618	Jan. 26	4090	886	108	954
Dietz, August S., New York, N. Y., assignor, by mesne assignments to F. Tolhurst. Pyrographic apparatus	754,129	Mar. 8	1511	403	109	416
Dietz, Charles, Chicago, Ill. Car-coupling	774,236	Nov. 8	1360	290	113	324
Dietz, Christian F., Chicago, Ill. Bake-oven	775,913	Nov. 29	4815	1020	113	1152
Dietz, Christian F., Chicago, Ill. Dough-forming machine	776,775	Dec. 6	617	134	113	1563
Dietz, Christian F., Chicago, Ill. Method of and apparatus for dividing dough	776,775	Dec. 6	619	135	113	1563
Dietz, Christian F., Chicago, Ill. Making bread	776,777	Dec. 6	620	135	113	1563
Dietz, Christian F., Chicago, Ill. Dough-forming machine	777,335	Dec. 13	1708	377	113	1821
Dietz, Christian F., assignor of two-thirds to A. Junge, Chicago, and P. F. Carroll, Joliet, Ill. Layer-cake-trimming machine	754,548	Mar. 15	2685	583	109	622
Dietz, Christian F., assignor of two-thirds to A. Junge, Chicago, and P. F. Carroll, Joliet, Ill. Cream-roll-forming machine	754,549	Mar. 15	2686	583	109	623
Dietz, Christian F., assignor of two-thirds to A. Junge, Chicago, and P. F. Carroll, Joliet, Ill. Forming dough	766,431	Aug. 2	567	120	111	1164
Dietz, Christian F., assignor of two-thirds to A. Junge, Chicago, and P. F. Carroll, Joliet, Ill. Dough-forming machine	766,432	Aug. 2	569	121	111	1164
Dietz, Christian F., assignor of two-thirds to A. Junge, Chicago, and P. F. Carroll, Joliet, Ill. Dough-molding apparatus	776,731	Dec. 6	539	118	113	1546
Dietz, Conrad. (See Dietz, John, assignor.)						
Dietz, Conrad, Cincinnati, Ohio. Mechanical movement	751,268	Feb. 2	980	211	108	1335
Dietz, Conrad, Cincinnati, Ohio. Washing-machine	757,896	Apr. 19	3966	737	109	2096
Dietz, Conrad, Cincinnati, Ohio. Washing-machine	768,430	Aug. 23	4077	986	111	2144
Dietz, Conrad and J. Cincinnati, Ohio; said J. Dietz assignor to said Conrad Dietz. Mechanical movement	759,423	May 10	1729	350	110	412
Dietz, Conrad and J. Cincinnati, Ohio; said J. Dietz assignor to said Conrad Dietz. Crank-and-lever mechanism	760,108	May 17	3058	639	110	723
Dietz, Gustav. (See Dietz, Paul, assignor.)						
Dietz, John. (See Dietz, Conrad and J.)						
Dietz, John, assignor to C. Dietz, Cincinnati, Ohio. Gearing	755,634	Mar. 29	4708	1047	109	1090
Dietz, Louis, Horicon, assignor of one-half to F. W. Menkey, Portage, Wis. Furnace	767,636	Aug. 16	3051	637	111	1753
Dietz, Paul, Leipzig, Germany, assignor to G. Dietz, New York, N. Y. Valve-gear	770,564	Sept. 20	2720	576	112	648
Dietze, Arthur, New York, N. Y. Check-canceling press	763,733	June 28	4186	912	110	2409
Diffenderfer, Morris F. (See Lump and Diffenderfer.)						
Diggle, Richard. (See Newton, Diggle, and Watson.)						
Dihlmann, Carl, Berlin, Germany. Frame for electric machines	773,550	Nov. 1	38	8	113	12
Dildine, Ernest L. and J. C. Cameron, Mo. Bridge	757,904	Apr. 19	3196	694	109	2059
Dildine, James C. (See Dildine, Ernest L. and J. C.)						
Dilig, Charles H. J. (See Dilg, Christian F. and C. H. J.)						
Dilig, Charles H. J. (See Hansen, Herman, assignor.)						
Dilig, Charles H. J., New York, N. Y. Closure for vessels	766,604	Aug. 2	954	200	111	1254
Dilig, Charles H. J., New York, N. Y. Adjustable self-clamping bracket	766,605	Aug. 2	956	201	111	1254
Dilig, Christian F., et al. (See Hansen, Herman, assignor.)						
Dilig, Christian F. and C. H. J., New York, N. Y. Grinding or polishing machine	758,828	May 3	496	99	110	119
Dilhan, Joseph, and E. de Mersanne, San Francisco, Cal. Electric time-switch	755,281	Mar. 22	4042	896	109	932
Dilks, William S., et al. (See Cook, Henry J., assignor.)						
Dill, Frank P., Blendon township, Franklin county, Ohio. Grain-drill	755,636	Mar. 29	4712	1048	109	1091
Dill, Thomas C., assignor to T. C. Dill Machine Company, Incorporated, Philadelphia, Pa. Slotting-machine	776,501	Dec. 6	48	12	113	1435
Dillard, Mary A., Selma, Ala. Composition of matter	752,660	Feb. 23	3569	957	108	1586
Dillard, Walter E., Petersburg, Va. Sawmill set-works	758,429	Apr. 26	4438	957	109	2351
Dillenburg, Mathias, Chicago, Ill. Sewer-coupling	769,131	Aug. 30	6141	1284	111	2478
Dilley, Elmer O., et al. (See Stouffer, Hiram C., assignor.)						
Dilley, Henry E., et al. (See Stouffer, Hiram C., assignor.)						
Dillig, George and H. P., Millvale, Pa. Transmission mechanism	755,635	Mar. 29	4714	1047	109	1091
Dillig, Henry F. (See Dilg, Christian F. and C. H. J.)						
Dilman, George, Williamsburg, Ohio. Tool for operating upon chairs	765,613	July 19	3411	719	111	774
Dillon, Frederick M., and W. G. Wilson, Denver, Colo. Concentrator	776,647	Dec. 6	355	76	113	1507
Dillon, Lybran J., assignor of one-half to A. B. Shaw, Chicago, Ill. Thill-coupling	763,734	June 28	4187	912	110	2409
Dillon, Lybran J., assignor of two-thirds to W. Burns and A. B. Shaw, Chicago, Ill. Thill-coupling	774,237	Nov. 8	1362	290	113	324
Dillon, Washington M., Sterling, Ill. Wire fence	755,637	Mar. 29	4713	1048	109	1092
Diltney, Frederick C. (See Lackner, Louis, assignor.)						
Dilworth, Otto L., Norwich, Conn. Brake for vehicles	760,533	May 24	4534	966	110	1064

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Dimick, Jeremiah W., and J. Jagger, Rifton, N. Y. Velvet rug.....	765,168	July 19	2560	534	111	590
Dimond, George H. (See Dial and Dimond.)						
Dimond, James, et al. (See McComb, James, assignor.)						
Dimpsey, Nelson W., assignor of one-half to J. M. Russell, Portage, Wis. Heater	778,639	Dec. 27	4327	944	113	2411
Dingee, William W., Racine, Wis. Threshing-machine.....	751,610	Feb. 9	1545	945	108	1405
Dingman, Allen H., Dehaven, Pa. Tubing-socket	765,169	July 19	2561	835	111	590
Dings, Myron, Milwaukee, Wis. Electromagnetic separator	755,282	Mar. 22	4046	897	109	933
Dings, Myron, Milwaukee, Wis. Magnetic separator	767,105	Aug. 9	2006	417	111	1507
Dimmy, Ferral C., Jr., assignor to American Match Manufacturing Company, New York, N. Y. Splint-carrier.....	750,754	Jan. 26	4380	946	108	1020
Dinwiddie, Frank, Kansas City, Mo. Plow.....	737,443	Apr. 19	2464	534	109	1899
Dinwiddie, James, Fayetteville, Ark. Shingle-gage.....	760,971	May 24	4761	1013	110	1112
Diondelle, William W., Charlottesville, Va. Loom for beadwork	763,050	June 21	2453	617	110	2098
Dion, Albert de, and G. Bouton, Puteaux, France. Pressure-indicator	754,287	Mar. 8	2100	405	109	476
Diplock, Bramah J., Westminster, England. Vehicle, especially that used on common roads	769,820	Sept. 13	1304	275	112	314
Direct-Line General Telephone Company. (See Andriano and Herbstritt, assignors.)						
Direct Line General Telephone Company. (See Andriano and Herbstritt, assignors.) (Reissue.)						
Disbrow, Charles A., Harrisburg, Pa. Vending-machine.....	772,226	Oct. 11	2041	448	112	1412
Disch, William, New York, N. Y. Tobacco-pipe	767,501	Aug. 16	3338	706	111	1818
Dischinger, Joseph A., Tonawanda, N. Y. Speed changing and reversing gear	765,335	July 19	2875	601	111	658
Disotell, William A., Belvidere, Ill. Tank-heater.....	768,326	Aug. 23	4470	938	111	2085
Diss, Louis P., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine	752,210	Feb. 16	2669	593	108	1671
Diss, Louis P., assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.....	762,290	June 14	1305	280	110	1742
Diss, Louis P., and W. A. Schmidt, assignors to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.....	749,538	Jan. 12	2046	281	108	479
Disser, Louis J., Chicago, Ill. Coin-controlled slot or vending machine and coin-testing mechanism therefor	775,671	Nov. 22	4353	918	113	1036
Distelhorst, John. (See Baumberger and Distelhorst.)						
Ditchfield, Frank. (See Lindström and Ditchfield.)						
Ditesheim, Achille, La Chaux-de-Fonds, Switzerland. Watch winding and setting mechanism	750,619	Jan. 26	4092	886	108	954
Ditmars, Theodore, Kansas City, Mo. Rail-joint chair	774,741	Nov. 15	2349	508	113	559
Dittsworth, Oliver M. (See Hepter, Harry, assignor.)						
Dittbenner, Hermann G., Minneapolis, Minn. Cushion for log-carriages	760,854	May 24	4534	966	110	1064
Dittbenner, Hermann G., assignor to Diamond Iron Works, Minneapolis, Minn. Sawmill-hog	777,779	Dec. 20	2576	1569	113	2023
Dittenhaver, W. E., et al. (See Green, John D., assignor.)						
Dittenhaver, W. E., et al. (See Wilson and Dull, assignors.)						
Dittenheimer, Henry, and S. Erikson, New York, N. Y. Window-shade mounting	767,741	Aug. 16	3221	679	111	1792
Dittmar, Charles. (See Weber, Benjamin, assignor.)						
Dittmar, Elmer C. (See Dittmar, William W., E. C., and O. F.)						
Dittmar, Elmer C., Williamsport, Pa. Folding table	777,186	Dec. 13	1425	315	113	1758
Dittmar, Gustave, Washington, D. C. Massage implement	768,523	Aug. 23	4581	1023	111	2181
Dittmar, Oliver F. (See Dittmar, William W., E. C., and O. F.)						
Dittmar, William W., E. C., and O. F., Williamsport, Pa. Ornamental wooden article and producing same	773,854	Nov. 1	637	135	113	148
Dittmar, William W., O. F., and E. C., Williamsport, Pa. Apparatus for ornamenting wood	773,855	Nov. 1	638	135	113	148
Dittrich, Charles E., Birmingham, Ala. Grate attachment	776,894	Dec. 6	871	187	113	1619
Divine, David W., Highlands, Cal. Bottle-stopper.....	766,023	July 26	4253	909	111	965
Dix, Henry W. W., and J. Sandford, Birmingham, England. Electric regulating-switch	763,861	June 28	4434	966	110	2461
Dix, Peres E., Delaware, Ohio. Pitman connection	760,855	May 24	4535	966	110	1064
Dixie Match Company. (See Parker, William H., assignor.)						
Dixon, Albert S., Los Angeles, Cal. Nursing appliance	753,683	Mar. 1	896	204	109	194
Dixon, Albert S., assignor to Asphalt Paper Pipe Company, Los Angeles, Cal. Atomizer	753,529	Feb. 16	3283	732	108	1805
Dixon, Arthur, Rolla, N. D. Self-cleaning harrow	749,923	Jan. 19	1798	507	108	660
Dixon, Edward T., Sr., assignor of one-half to M. W. Quirk, Jr., Milwaukee, Wis. Lacing device	758,001	Apr. 19	3560	771	109	2139
Dixon, Ezra, Bristol, R. I. Top-roll saddle	754,288	Mar. 8	2102	467	109	477
Dixon, Ezra, Bristol, R. I. Top-roll saddle	754,289	Mar. 8	2103	467	109	477
Dixon, Ezra, Bristol, R. I. Top-roll saddle	757,727	Apr. 19	3040	661	109	2025
Dixon, Frank A., San Jose, Cal. Can-capping machine	768,737	Aug. 30	5550	1127	111	2501
Dixon, Harry, Toronto, Canada, assignor to G. S. Ackley, Buffalo, N. Y., and O. S. Mills, Tunkhannock, Pa. Brake mechanism for vehicles	768,933	Aug. 30	5743	1308	111	2391
Dixon, Henry L., assignor to H. L. Dixon Company, Pittsburg, Pa. Gas-producer	775,265	Nov. 15	3470	732	113	823
Dixon, Israel K., Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch	773,551	Nov. 1	39	9	113	13
Dixon, James Q., St. Louis, Mo. Double return-envelop	769,536	Sept. 6	783	169	112	177
Dixon, Jonas F., and T. J. Ridgway, Carthage, Mo. Bed-spring	757,098	Apr. 12	1766	383	109	1734
Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Globe for lamps	755,283	Mar. 22	4048	897	109	933
Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. End train-pipe valve	755,284	Mar. 22	4049	898	109	934
Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Hose-coupling	760,856	May 24	4536	967	110	1064
Dixon, Thomas B., New York, N. Y. Multiplex telegraphy	778,120	Dec. 20	3290	723	113	2167
Dixon, Thomas B., New York, N. Y. Telegraphy	778,177	Dec. 20	3399	748	113	2190
Dixon, Walter. (See Hamilton, Jonathan R., assignor.)						
Dixon, William, Newark, N. J. Brush and making same	772,089	Oct. 11	1769	393	112	1354
Dixon, William H., assignor of three-eighths to H. C. Eckel, Denver, Colo. Reciprocating mechanical movement	776,714	Nov. 29	5339	1128	113	1273
Doak, Egbert O. (See Harter and Doak.)						
Doak, Egbert O., Sac City, Iowa. Flexible metal band for traction-wheels	766,330	Aug. 2	386	82	111	1125
Doak, Egbert O., assignor to Reversible Marker Manufacturing Company, Sac City, Iowa. Land-marker	763,342	June 21	3398	739	110	2218

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Doan, Luke S., Buffalo, Mo. Wire-fence-stretching lever.....	770,565	Sept. 20	2722	576	112	648
Doane, Samuel E., Cleveland, Ohio. Sparking device for explosive-engines.....	771,616	Oct. 2	782	173	112	1126
Doane, Samuel E., Cleveland, assignor to Postoria Bulb and Bottle Company, Postoria, Ohio. Globe-holder for arc-lamps.....	755,855	Mar. 29	5169	1144	109	1197
Doane, Samuel E., Cleveland, assignor to Postoria Bulb and Bottle Company, Postoria, Ohio. Globe for arc-lamps.....	762,029	June 7	806	165	110	1612
Doane, Samuel E., assignor to National Electric Lamp Company, Cleveland, Ohio. Incandescent lamp.....	762,030	June 7	807	165	110	1613
Dobberpuhl, John W., Jr., Groton, S. D. Riding and operating attachment for barbed-wire.....	771,466	Oct. 4	482	109	112	1061
Dobbin, Clarence E., assignor to Freeman, Dobbin Fireproofing Company, New York, N. Y. Wall-furring.....	752,530	Feb. 16	3286	732	108	1806
Dobbin, Robert O., Waterloo, Canada. Smoke-consumer.....	770,171	Sept. 13	1940	414	112	453
Dobbins, Belvia J., Ninety-six, S. C., assignor to Draper Company, Hopedale, Mass. Filling-replenishing mechanism for looms.....	769,210	Sept. 6	181	32	112	29
Dobbins, E. S. (See Huff, Charles M., assignor.).....						
Dobbins, Nancy J., Los Angeles, Cal. Egg-preserving compound.....	767,211	Aug. 9	2822		111	1551
Dobbins, William E., Ashbourne, Pa. Photographic-printing frame.....	775,101	Nov. 15	3079	654	113	727
Dobbs, Archibald E. (See Louman, Andrew, assignor.).....						
Dobbs, La Fayette G., Watertown, S. D. Closet-seat.....	756,599	Apr. 5	776	169	109	1506
Dobelmann, John D., Chicago, Ill. Puncture-proof cover for pneumatic tires.....	777,718	Dec. 20	2455	540	113	1997
Dobrenz, Edmund, Leipzig-Reudnitz, Germany. Producing invisible pictures.....	775,747	Nov. 22	4491	932	113	1066
Doble, William A. (See Ensign, Orville H., assignor.).....						
Doble, William A., San Francisco, Cal. Nozzle for impact water-wheels.....	751,732	Feb. 9	1731	393	108	1443
Doble, William H., Quincy, Mass., assignor to Pneumatic Scale Corporation, Portland, Me. Weighing and packaging machine.....	750,830	Feb. 2	88	20, 21	108	1076
Doble, William H., Quincy, Mass., assignor to Pneumatic Scale Corporation, Portland, Me. Mechanism for filling and settling goods in packages.....	767,393	Aug. 16	2548		111	1640
Doble, William H., Quincy, Mass., assignor to Pneumatic Scale Corporation. Weighing and filling machine.....	767,394	Aug. 16	2553	537, 538	111	1641
Doble, William H., Quincy, Mass., assignor to Pneumatic Scale Corporation. Machine for setting up and filling cartons or the like.....	767,395	Aug. 16	2560	538	111	1643
Dobler, Albert F. (See Sturgeon, John C., assignor.).....						
Dobler, William, Sumner, Wash. Cattle-guard.....	773,379	Oct. 25	4520	956, 957	112	2002
Dobos, Johann, New York, N. Y. Box.....	774,570	Nov. 8	1985	431	113	458
Dobrodenka, Frank. (See Dobrodenka, Joseph and F.).....						
Dobrodenka, Joseph and F., Milwaukee, Wis. Extension-table.....	757,544	Apr. 19	2680	586	109	1945
Dobry, Rudolph, Chicago, Ill. Sheet-piling.....	773,854	Dec. 27	3755	818	113	2284
Dobson, Alexander, Beaverton, Canada. Peat-harvesting machine.....	758,624	May 3	40	8	110	13
Dobson, Charles M., New York, N. Y., assignor to Wood Distillates & Fibre Company, Chicago, Ill. Deriving products from wood.....	774,135	Nov. 1	1180	252	113	267
Dobyne, George A. (See Corcoran and Dobyne.).....						
Dock, Herman, Philadelphia, Pa. Puppet-valve.....	765,727	July 26	3677	785	111	841
Dockstader, Preston C., Colorado Springs, Colo. Transportation-ticket system.....	755,638	Mar. 29	4714	1048	109	1092
Dockstader, Preston C., Colorado Springs, Colo. Transportation-ticket.....	759,682	May 10	2218	457	110	518
Dockstader, Preston C., Colorado Springs, Colo. Transportation-ticket.....	766,778	Dec. 6	622	136	113	1563
Dodd, George R., Anderson, S. C. Pole-hoister.....	763,969	July 5	60	11	111	19
Dodd, Hamilton D., assignor of one-half to D. L. Smith, Walterboro, S. C. Rice-cultivator.....	749,960	Jan. 19	2856	610	108	672
Dodd, John, Vancouver, Canada. Engine.....	770,566	Sept. 20	2723	576	112	648
Dodd, Joseph W., Cisco, Tex. Wire-working tool.....	758,899	Nov. 8	498	100	110	120
Dodd, Samuel T., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric-motor control.....	749,271	Jan. 12	1477	316	108	356
Dodd, Samuel T., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Motor control.....	749,272	Jan. 12	1484	317	108	357
Dodd, Walter L. (See Comstock, Frederick E., assignor.).....						
Doddrell, Thomas, Slough, England. Wrist-pin for pianofortes.....	751,479	Feb. 9	1287	293	108	1350
Dodds, Ethan I., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Tank-car frame and making the frame.....	770,713	Sept. 20	3000	637	112	709
Dodds, Ethan I., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Car part.....	776,175	Nov. 29	5341	1123, 1129	113	1273
Dodds, Ethan I., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Brake-beam.....	777,379	Dec. 13	1595	354	113	1795
Dodds, Ethan I., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Car part and making same.....	777,944	Dec. 20	2656	649	113	2098
Dodge, Alfred C., Binghamton, N. Y. Computing-scale.....	760,432	May 34	3660	775	110	873
Dodge, Arthur P., New York, N. Y. Steam-generator.....	774,312	Nov. 8	1500	322	113	355
Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Support for intermediate buckets.....	764,433	July 5	1066	218	111	237
Dodge, Charles C., New York, N. Y. Gas and air-mixing apparatus.....	770,740	Sept. 27	3047	648	112	737
Dodge, Charles O., and G. Miller, Chippewa Falls, Wis. Flexible door.....	778,228	Dec. 27	3488	767	113	2223
Dodge Coal Storage Company. (See Dodge, James M., assignor.).....						
Dodge Coal Storage Company. (See MacLennan, Joseph A., assignor.).....						
Dodge Coal Storage Company. (See Titcomb, George E., assignor.).....						
Dodge, Eben G., Orange, assignor to J. W. Gladstone, West Orange, N. J. Clamp for battery-electrodes.....	773,249	Oct. 25	4260	901	112	1946
Dodge, George B. (See Canfield, Frank, assignor.).....						
Dodge, Harold A., Elizabeth, N. J. Match-box.....	749,539	Jan. 12	2054	426	108	481
Dodge, Harold A., Elizabeth, N. J. Match-box. (Reissue.).....	12,290	Nov. 29	5920	1249	113	1406
Dodge, Harold A., Newark, N. J. Wardrobe attachment for chairs.....	751,151	Feb. 2	674	154	108	1203
Dodge, Henry A., Boston, Mass., assignor to Campbell-Bosworth Machinery Company, Portland, Me. Sewing-machine shuttle.....	759,062	May 3	962	199	110	223
Dodge, Henry A., Boston, Mass., assignor to Campbell-Bosworth Machinery Company, Portland, Me. Sewing-machine shuttle.....	775,362	Nov. 22	3684	782	113	890
Dodge, Henry A., Boston, Mass., assignor to Campbell-Bosworth Machinery Company, Portland, Me. Thread-clamp for war-thread sewing-machines.....	775,363	Nov. 22	3685	782	113	890
Dodge, James, assignor of one-half to D. Blake, Newark, N. J. Press for forging, shaping, or punching metals.....	772,135	Oct. 11	1853	412	112	1371
Dodge, James, assignor of one-half to D. Blake, Newark, N. J. Vise.....	777,611	Dec. 18	2266	498	113	1940
Dodge, James M., Philadelphia, Pa. Expansion rivet, bolt, &c.....	751,902	Feb. 9	2085	471	108	1523
Dodge, James M., Philadelphia, Pa. Belt conveyor.....	759,060	Apr. 5	777	169	109	1507
Dodge, James M., Philadelphia, Pa. Chain.....	761,034	May 24	4915	1041	110	1144
Dodge, James M., Philadelphia, Pa. Chain.....	761,035	May 24	4917	1042	110	1144
Dodge, James M., Philadelphia, Pa. Chain.....	761,036	May 24	4918	1043	110	1144

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Dodge, James M., Philadelphia, Pa. Chain	761,037	May 24	4920	1042	110	1145
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Pan conveyer	749,038	Jan. 5	977	206	108	227
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Sprocket-gearing	762,156	June 7	1035	216	110	1663
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Pivoted-bucket conveyer	765,068	July 12	2384	1496	111	534
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Conveyer	765,069	July 12	2386	1496	111	534
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Chain and sprocket gearing	765,565	July 19	3333	699	111	756
Dodge, James M., assignor to Link Belt Engineering Company, Philadelphia, Pa. Drive-chain	771,721	Oct. 4	979	218	112	1168
Dodge, James M., Philadelphia, Pa., assignor to Dodge Coal Storage Company, Naugatuck, Conn. Storage apparatus	755,566	Mar. 22	4559	1014	109	1043
Dodge, Ozias, Norwich, Conn. Producing printing-surfaces	758,625	May 3	48		110	14
Dodge, Philip T., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	757,099	Apr. 12	1768	384	109	1735
Dodge, Philip T., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	763,735	June 28	4189	913	110	2410
Dodge, Philip T., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	776,779	Dec. 6	624	136	113	1564
Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Linotype-machine	761,289	May 31	5422	1152	110	1372
Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Linotype-machine	764,116	July 5	412	80	111	90
Dodge, Robert W., Kansas City, Mo. Heating stove or furnace	757,602	Apr. 19	2791	611	109	1971
Dodge, Samuel A., Millbury, Mass., assignor to W. M. Keepers, Newark, N. J. Knitting-machine	764,434	July 5	1069	218	111	237
Dodge, Warren K., Manhattan, Kans. Electric switch	752,531	Feb. 16	3288	733	108	1087
Dodgson, Frank L., Troy, assignor, by mesne assignments, to Pneumatic Signal Company, Rochester, N. Y. Fluid-pressure-reducing valve	763,375	June 28	3504	756	110	2263
Dodgson, Frank L., Troy, assignor, by mesne assignments, to General Railway Signal Company, Gates, N. Y. Apparatus for controlling movable parts of railway super-structures	774,313	Nov. 8	1502	323	113	355
Dodson, Charles M., assignor to American Manufacturing Company, Des Moines, Iowa. Coin-controlled mechanism for cigar-vending machines	758,204	Apr. 26	3972	862	109	2248
Dodson, Charles M., assignor to American Manufacturing Company, Des Moines, Iowa. Cigar holder and vender	772,503	Oct. 18	2622	577	112	1563
Dodson, Frank, Allegheny, Pa. Rail-joint	750,100	Jan. 19	3128	672	108	729
Dodsworth, Walter F., Leavenworth, Kans. Celluloid perpetual daily-balance leaf	763,091	June 21	2931	631	110	2114
Doe, Walter S., Jersey City, N. J. Device for use in sharpening pencils	749,666	Jan. 12	2271	479	108	527
Doebbel, Gustav A., Altona, Germany. Smoke-consuming apparatus	755,220	Mar. 22	3932	870	109	909
Doebler, Charles H., Springfield, Ill., assignor of one-half to J. S. Andrews, St. Louis, Mo. Toy	765,415	July 19	3031	634	111	692
Doerlein, Ludwig, assignor to Typewriter Improvement Company, Staunton, Va. Type-writer	778,229	Dec. 27	3489	767	113	2229
Doehrer, John M., Bridgeport, Conn. Liquid-drawing apparatus	770,271	Sept. 20	2162	450	112	523
Doenitz, Reinhold C., Iron River, Mich. Heating-drum	765,416	July 19	3032	635	111	692
Doering, Charles, Odessa, Russia, assignor to D. M. Osborne & Company, Auburn, N. Y. Head-board for grain-harvesters	767,396	Aug. 16	2562	539	111	1643
Doering, David L., Kansas City, Mo. Explosive-engine	761,363	May 31	5572	1187	110	1308
Doerr, Martin, San Jose, Cal. Massaging instrument	759,505	May 10	1886	379	110	447
Doersch, Henry C., Nyack, assignor of one-half to W. S. Pickard, Brooklyn, N. Y. Electric hair-brush	751,899	Feb. 9	1967	446	108	1494
Doherty, Eugene H., Chicago, Ill. Self-locking door-guard	766,331	Aug. 2	387	82	111	1126
Doherty, Henry. (See Farrar, James H., assignor.)						
Doherty, Michael. (See Walz and Doherty.)						
Doherty, Michael J. (See Hill, George H., assignor.)						
Doherty, Neil F. (See Cassidy and Doherty.)						
Doherty, William, Attleboro, Mass. Cuff-button	749,540	Jan. 12	2055	426	108	482
Dohl, Herman, Altona, Pa. Apparatus for making concrete walls	763,376	June 28	3506	756	110	2264
Dohrer, Henry J., assignor of two-thirds to D. E. Curtin and J. W. Dohrer, St. Joseph, Mo. Automatic aisle-converting chair	761,823	June 7	426	86	110	1534
Dohrer, Joseph W., et al. (See Dohrer, Henry J., assignor.)						
Dohrmann, Frank C. (See George and Dohrmann.)						
Dolise, John, New York, N. Y. Sample-sheet	750,620	Jan. 26	4093	886	108	954
Doliz, Edgar, and A. Ducombs, New Orleans, La. Display-stand	770,172	Sept. 13	1943	415	112	454
Dolkenwadel, F. G., et al. (See Talner, Jacob, assignor.)						
Dolan, Edward M., Logansport, Ind. Metallic tie	766,674	Aug. 2	1108	229	111	1287
Dolan, Thomas P., Houtzdale, Pa. Filing-cabinet	764,930	July 12	2132	441	111	484
Dolbier, Charles G., Newark, N. J. Towel or other rack	754,976	Mar. 22	3508	763	109	818
Doldt, John E., Portland, Me. Machine for operating upon corns	748,934	Jan. 5	736	160	108	167
Dole, Edmund P. (See Chase and Dole.)						
Dole, Walter S. (See Hunt and Dole.)						
Dolechek, Veat J., Cladfin, Kans. Motion-transmitter	749,039	Jan. 5	978	206	108	228
Doliz, Alfred, Los Angeles, Cal. Table for making sounding-boards for pianos	764,117	July 5	413	80	111	90
Doll, Bernard H., Cumberland, Md. Machine for doubling metal plates	754,433	Mar. 15	2461	535	109	572
Dolland, Thomas, assignor of one-half to H. Wintner and W. F. Struller, Brooklyn, N. Y. Tap or thread-cutter	775,672	Nov. 22	4358	919	113	1037
Dolley, Charles S., assignor of one-half to H. H. Belknap, Philadelphia, Pa. Ornamental glass	760,059	May 17	2959	617	110	701
Dolliver, Pillsbury C., Revere, Mass. Steering-gear	771,537	Oct. 4	636	142	112	1035
Dolph, Fred E., and S. R. Knapp, Battlecreek, Mich. Incubator	755,639	Mar. 29	4717	1049	109	1092
Dolph, Luther A., assignor to B. L. Sittler, Meadville, Pa. Stereoscope	760,433	May 24	3664	775	110	874
Dolphin, Michael F., Scranton, Pa. Lubricator	774,050	Nov. 1	1031	221	113	231
Dolson, Martin O., Los Angeles, Cal. Trolley-pole controller	768,789	Aug. 30	5441	1146	111	2322
Domachowski, John S., assignor of one-half to F. Querner, Pittsburg, Pa. Rail-joint	765,132	July 12	2488	520	111	556
Domestic Sewing Machine Company. (See Lamb, Amherst G., assignor.)						
Domestic Utilities Company. (See Jones, Darlington T., assignor.)						
Donache, Hedley J., Chicago, Ill. Fence-post	758,002	Jan. 19	3561	771	109	2189
Donahoo, James T., Edgar, Nebr. Water-tank	749,273	Apr. 12	1488	317	108	358
Donahue, Charles J., et al. (See Weaver and Houghton, assignors.)						
Donahue, James M., Santa Rosa, Cal. Superheater for oil-burners	757,182	Apr. 12	1940	424	109	1774

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Donahue, John, Knoxville, Tenn. Coffin.....	763,092	June 21	2938	682	110	2114
Donald, Andrew. (See McGee and Donald.)						
Donald, Donald, Masterton, New Zealand. Lifting-jack.....	758,908	May 8	651	130	110	153
Donald, Donald, Masterton, New Zealand. Wire-stretcher.....	770,227	Sept. 13	2056	433	112	478
Donaldson, Augustus F., Mansfield, Ohio. Valve-controlling device.....	772,574	Oct. 18	3331	727	112	1717
Donaldson, J. Edmund. (See Arey, Fred C., assignor.)						
Donaldson, James H., and H. H. Schroyer, Chicago, Ill. Diaphragm for car-vestibules or the like.....	767,902	Aug. 16	3339	706	111	1818
Donaldson, John G., and J. H. McGarigle, Portland, Me.; said McGarigle assignor to said Donaldson. Belt-cleaning apparatus.....	764,435	July 5	1072	219	111	238
Donavin, George B., H. E. Stein, and O. D. Hunt, assignors to George B. Donavin & Company, Columbus, Ohio. Cart.....	752,763	Feb. 23	3753	887	108	1927
Donnéne, Charles, Lyons, France. Automatically-closing cock or faucet.....	753,964	Mar. 8	1507	336	109	347
Dongille, Joseph, Listie, Pa. Hair-holding device.....	768,658	Aug. 30	5187	1050	111	2265
Dönitz, Johannes, assignor to Gesellschaft für Drahtlose Telegraphie, G. M. B. H., Berlin, Germany. Apparatus for determining the length of waves and observing the oscillations in electric oscillation systems.....	763,164	June 21	3074	662	110	2147
Donley, James P., Buffalo, N. Y. Paper basket.....	773,481	Oct. 25	4734	999	112	2046
Donnan, Hugh T., Alva, Okla. Terr. Lens-support for ground glasses on cameras.....	774,656	Nov. 8	2135	467	113	469
Donnell, Jesse F., et al. (See Pickel, John W., assignor.)						
Donnelly, James A. and W. T., New York, N. Y. Automatic valve for steam-heating apparatus.....	778,015	Dec. 20	3094	680	113	2126
Donnelly, John C. (See Calentine, George C., assignor.)						
Donnelly, Joseph C., Philadelphia, Pa., assignor to Diamond Match Company, New York, N. Y. Machine for boxing matches.....	761,765	June 7	285	57, 58	110	1501
Donnelly, Joseph C., Philadelphia, Pa., assignor to Diamond Match Company, New York, N. Y. Machine for making box-trays.....	766,675	Aug. 2	1104	230, 231	111	1287
Donnelly, Joseph C., Philadelphia, Pa., assignor to Diamond Match Company, New York, N. Y. Match-making machine.....	776,648	Dec. 6	358	77, 78	113	1507
Donnelly, William E. (See Twining, William A., assignor.)						
Donnelly, William T. (See Donnelly, James A. and W. T.)						
Donnenwerth, John G., Brookfield, Mo., assignor of one-half to W. J. Donnenwerth, Charlton, Iowa. Lubricator.....	764,886	July 12	2021	417	111	459
Donnenwerth, William J. (See Donnenwerth, John G., assignor.)						
Donner, Willis, Dubuque, Iowa, assignor to Draper Company, Hopedale, Mass. Lug-strap holder for looms.....	760,973	May 24	4762	1013	110	1113
Donning, George W., East Orange, N. J. Automatic feeding device for carbon-sheets.....	764,436	July 5	1074	211	111	238
Donning, George W., East Orange, assignor of one-half to H. T. Ambrose, Orange, N. J. Adjustable platen.....	773,190	Feb. 23	4589	1023, 1024	108	2114
Donning, George W., East Orange, assignor of one-half to H. T. Ambrose, Orange, N. J. Card feeding and positioning device.....	759,214	May 3	1271	235, 236	110	289
Donning, George W., East Orange, assignor of one-half to H. T. Ambrose, Orange, N. J. Statement-blank.....	759,215	May 3	1277	236	110	291
Donning, George W., assignor of one-third to R. Grant, Brooklyn, N. Y. Manifolding.....	773,482	Oct. 25	4736	1000	112	2047
Donoghue, Timothy J., et al. (See Michaud, Elzear, assignor.)						
Donohue, Mary A., New York, N. Y. Receptacle for ashes or garbage.....	760,434	May 24	3666	776	110	875
Donohue, Philip F. (See Ryan, Patrick, assignor.)						
Donoughe, Francis J., Gallitzin, Pa. Actuating valve.....	762,619	June 14	1983	428	110	1887
Donovan, Amorite B. (See Donovan and Chase, assignors.)						
Donovan, Ernest E., and J. Chase, Jr.; said Donovan assignor, by mesne assignments, of one-fourth to A. B. Donovan, Weymouth, Mass. Temporary lacer for shoes.....	760,985	May 17	3571	753	110	837
Donovan, James, Three Rivers, Mich. Gallows-frame for hand-cars.....	770,708	Sept. 27	3170	671	112	763
Donovan, James, Three Rivers, Mich. Wheel.....	778,309	Dec. 27	3662	799	113	2265
Donovan, John P., Westfield, Mass. Wheel-tire.....	760,109	May 17	3060	640	110	723
Donovan, William D. (See Wilcox, Henry, assignor.)						
Donovan, William J., East Boston, Mass. Gate-latch.....	764,278	July 5	742	152	111	164
Dooley, William E., Grand Haven, Mich. Tobacco-pipe.....	750,950	Feb. 2	323	76	108	1129
Doolittle, Amos M., assignor to Meriden Curtain Fixture Co., Meriden, Conn. Pawl-mechanism for spring shade-rollers.....	778,571	Dec. 27	4183	912	113	2377
Doolittle, Elias A., Glenville, Ohio. Grinding-machine.....	762,291	June 14	1315	281	110	1746
Doolittle, John F., assignor to Cleveland Punch and Shear Works Company, Cleveland, Ohio. Universal slotting-punch.....	751,723	Feb. 9	1732	393	108	1443
Doolittle, William W., assignor to Crane Company, Chicago, Ill. Machine for attaching flanges to tubes.....	766,227	Aug. 2	164	30, 31	111	1078
Dopheide, Frank E., Palmyra, Ill. Jar-closure.....	754,977	Mar. 22	3509	769	109	818
Doppel, John M., New York, N. Y. Refrigerator.....	756,004	Mar. 29	5458	1204	109	1261
Döpfenschmitt, Philipp, Pforzheim, Germany. Decoration-glove.....	763,736	June 28	4192	913	110	2410
Dor-Delattre, Emile, Budel, Netherlands. Hydraulic press.....	777,249	Dec. 13	1587	841	113	1788
Doran, James A. (See Doran, James C. and J. A.)						
Doran, James C. and J. A., Pawtucket, R. I. Jewelry component.....	767,687	Aug. 16	3132	654	111	1771
Doran, Joseph. (See Naylor and Doran.)						
Doran, Patrick, Bayonne, N. J. Heater.....	778,016	Dec. 20	3096	650	113	2126
Dor-mus, Charles A., New York, N. Y. Manufacturing hydrofluoric acid.....	754,978	Mar. 22	3511	848	109	818
Doremus, William D., Washington, D. C. Bottle-stopper.....	756,001	Apr. 5	778	169	109	1507
Dorgans, Auguste, Bordeaux, France. Interchangeable coupling.....	770,049	Sept. 13	1726	364	112	407
Durr, Sigmund, New York, N. Y. Caster.....	762,471	June 14	1686	383	110	1824
Doriot, Julian, Bluffton, Ohio. Non-refillable bottle.....	761,364	May 31	5574	1167	110	1308
Dorman, Charles W. (See Flora, Earnest, assignor.)						
Dorman, John H., assignor to Hammond Typewriter Company, New York, N. Y. Paper-carriage for type-writing machines.....	763,165	June 21	3076	662	110	2147
Dorman, William S., New York, N. Y. Bottle-seal.....	753,245	Mar. 1	55	15	109	15
Dormandy, Garry J., assignor of one-half to United Shirt & Collar Company, Troy, N. Y. Presser-foot mechanism for sewing-machines.....	763,884	July 26	3979	849	111	906
Dorn, Christian, Philadelphia, Pa. Hat-fastener.....	763,862	June 28	4435	966	110	2461
Dorn, Max, St. Louis, Mo. Transom side bearing.....	754,979	Mar. 22	3512	769	109	818
Dorn, Rufus H., Los Angeles, Cal. Miter-box.....	769,307	Sept. 6	350	79, 80	112	75
Dorman Brothers. (See Shinn, Nathaniel M., assignor.)						
Dorman, Robert, et al. (See Schwemmer and Shinn, assignors.)						
Dorman, Thomas B., et al. (See Schwemmer and Shinn, assignors.)						
Dorman, Thomas B., Philadelphia, Pa. Woven fabric.....	765,961	July 26	4114	879	111	936
Dorman, Thomas B., Philadelphia, Pa. Woven pile fabric.....	773,130	Oct. 25	3995	846, 847	112	1888
Dornauf, Georg, Königstein, assignor to Farblenderwerke S. Marx & Söhne, Frankfurt-on-the-Main, Germany. Bearing for wheels, pulleys, or the like.....	767,212	Aug. 9	2222	462	111	1551

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Dornblaser, Arthur S. (See Munson and Dornblaser.)						
Dorney, Daniel D., Allentown, Pa. Keyhole-guard	755,115	Mar. 22	3742	922	109	870
Dorney, Oliver C., Allentown, Pa. Desk	753,050	Feb. 23	3446	867	108	2060
Dornig, Julius E. (See Schlittenhardt and Dornig.)						
Dornon, George E., New Brighton, Pa. Wrench	778,572	Dec. 27	4184	912	113	2377
Dorton, Louis, South Woodside, Canada. Corn husker and shredder	765,821	July 26	3869	824	111	881
Dorr, George H., New Rochelle, N. Y. Photographic-plate-treating apparatus	750,621	Jan. 26	4094	886	108	955
Dorr, George H., New Rochelle, N. Y. Camera	760,060	May 17	2860	1617	110	702
Dorr, George H., New Rochelle, N. Y. Photographic-plate-treating apparatus	771,358	Oct. 4	281	62	112	1021
Dorr, Henry R., Rutland, Vt. Fuel	753,246	Mar. 1	57	708	109	15
Dorr, John P., Gardiner, Me. Writing-tablet	768,980	Aug. 30	5844	1237	111	2413
Dorrier, August, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Red-violet azo dye	754,856	Mar. 15	3289	-----	109	758
Dorsett, Josiah, Chrisman, Ill. Soil-pulverizer	768,170	Aug. 23	4168	877	111	2020
Dorsey, Mack H., Woodlawn, Ala. Trolley-guard	778,017	Dec. 20	3997	681	113	2126
Dorsey, Robert L., assignor to E. C. Atkins & Company and Tucker and Dorsey Manufacturing Company, Indianapolis, Ind. Vegetable-cutter	772,504	Oct. 18	2626	577	112	1563
Doscher, Arthur E., Jamaica, N. Y. Molding-receptacle	771,300	Oct. 4	155	85	112	994
Doscher, William C., New York, N. Y. Cigarette	753,963	Mar. 8	1505	336	109	847
Doss, Andrew J., assignor to J. E. Jones, Switchback, W. Va. Coke-puller	757,283	Apr. 12	2119	462	109	1811
Doss, Andrew J., assignor to J. E. Jones, Switchback, W. Va. Loading-machine	757,284	Apr. 12	2120	463	109	1811
Doss, Andrew J., assignor to J. E. Jones, Switchback, W. Va. Loading-machine	775,210	Nov. 15	3315	464	113	781
Doss, Andrew J., assignor to J. E. Jones, Switchback, W. Va. Coke-oven-discharging machine	775,211	Nov. 15	3325	465	113	782
Doss, Andrew J., assignor to J. E. Jones, Switchback, W. Va. Implement for discharging coke-ovens	775,266	Nov. 15	3470	710	113	823
Dossert & Company. (See Dossert, John J., assignor.)						
Dossert, John J., New York, N. Y., assignor to Dossert & Company. Pipe-coupling	772,136	Oct. 11	1856	412	112	1372
Doten, Henry A., Burlington, Vt. Fountain-brush	756,103	Mar. 29	5646	1246	109	1300
Doten, Henry A., Burlington, assignor of one-half to C. A. Hanks, Bristol, Vt. Knock-down box	756,338	Apr. 5	291	60	109	1406
Dots, Hiram S., Monongah, assignor of one-fourth to J. D. Barry, Fairmont, and J. M. Haggarty, Farmington, W. Va. Hand-miter and saw-guide	778,178	Dec. 20	3405	748	113	2191
Doty, Frank L., Calliope, Iowa. Apparatus for loading wagons	767,550	Aug. 16	2881	602	111	1717
Doty, Frank L., Calliope, Iowa. Hay-stacker	767,551	Aug. 16	2883	602	111	1717
Doty, Frank L., Calliope, Iowa. Rope-clamp	756,104	Mar. 29	5647	1246	109	1301
Douane, Maurice E., Paris, France. Apparatus for making methyl chlorid	777,406	Dec. 13	1846	408	113	1851
Doub, John L., Meyersville, Md. Fanning-mill for cleaning grain, &c.	758,511	Apr. 26	4594	988	109	2387
Douden, Edwin, Brooklyn, N. Y. Sheet-music turner	750,101	Jan. 19	3129	672	108	729
Douden, Edwin, and A. B. Robb, Brooklyn, N. Y. Weather-strip	758,626	May 3	44	8	110	14
Doudle, William L. (See Bowlin and Doudle.)						
Douds, Byron J., Canton, Ohio. Truss for rupture	753,684	Mar. 1	898	204	109	195
Dougherty, Francis. (See Williams, Douglas D., assignor.)						
Dougherty, Hugh F., assignor to Dougherty Machine Company, Wilmington, Del. Machine for treating hides	774,238	Nov. 8	1364	291	113	325
Dougherty, John C., and J. W. Dawson, Richmond, Mo. Automatic vending-machine	769,063	Aug. 30	6008	1259	111	2443
Dougherty, Joseph H., St. Louis, Mo. Registering-triangle	766,228	Aug. 2	168	81	111	1073
Dougherty Machine Company. (See Dougherty, Hugh F., assignor.)						
Dougherty, Marion F., Independence, Kans. Combined cane and stool	763,166	June 21	3079	663	110	2148
Dougherty, William, Chester, Pa. Feed-water purifier and filter	769,792	Sept. 13	1238	266	112	297
Dougherty, William M., St. Joseph, Mo. Balloting-machine	769,537	Sept. 6	785	169	112	178
Dougherty, William M., St. Joseph, Mo. Balloting-machine	756,602	Apr. 5	780	170	109	1507
Doughty, Charles W., Augusta, Ga. Neutralizing liquids effluent from wood-pulp mills	775,525	Nov. 22	4019	848	113	964
Doughty, Theodore A., Elkhorn, Wis. Heating-stove	760,386	May 17	3573	733	110	397
Doughty, Theodore A., Elkhorn, Wis. Heating-stove. (Reissue)	12,239	July 19	3507	739	111	798
Doughty, Theodore A., Woodstock, Ill. Stone	777,187	Dec. 13	1426	315	113	1759
Douglas, Ainslie E., Peabody, assignor to L. W. Ross, Canton, Mass. Tool for working stone	770,455	Sept. 20	2500	581	112	598
Douglas, Edwin R., East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. Speed-controller	766,229	Aug. 2	170	81	111	1079
Douglas, Elizabeth J., Crete, Neb. Car-step	769,538	Sept. 6	786	169	112	173
Douglas, Herbert J., Elkhart, Ind. Top-joint for buggies	752,990	Feb. 23	4177	931	108	2021
Douglas, James A., and J. Barleson, Yates, LaSalle, Ill. Nut-lug	758,512	Apr. 26	4596	988	109	2388
Douglas, John, Cincinnati, Ohio. Automatic discharge mechanism and valve	776,014	Nov. 29	5037	1062	113	1204
Douglas, Robert D. (See Surmann and Douglas.)						
Douglas, S. M. (See Lewis, Edgar E., assignor.)						
Douglas, Thomas, and G. L. Conroy, London, England. Condenser	753,555	Mar. 1	652	147	109	143
Douglas, William C., Raleigh, N. C. Apparatus for distilling wood	753,376	Mar. 1	284	65	109	64
Douglas, William H., Belleville, N. J., assignor to Healey & Company, New York, N. Y. Steering device	770,567	Sept. 20	2725	576	112	649
Douglass, Allen W., Senath, Mo. Rail-joint	771,722	Oct. 4	981	219	112	1169
Douglass, Robert A., assignor to D. M. Griffin, Truro, Canada. Locomotive-cab-window cleaner	762,889	June 21	2543	551	110	2029
Douglass, Samuel. (See Wood and Douglass.)						
Douglass, William L. (See Gasson and Douglass.)						
Dould, Charles E., Spa Lane, England. Driving mechanism for cycles	769,594	Sept. 6	875	188	112	198
Dove, William, New York, N. Y., and W. A. La Sor, Rahway, N. J. Printer's plate-block	776,502	Dec. 6	53	13	113	1436
Dover, George W., Cranston, R. I. Scarf-pin	755,856	Mar. 29	5170	1144	109	1198
Dover, George W., Cranston, R. I. Scarf-pin	755,857	Mar. 29	5171	1144	109	1198
Dow Chemical Company. (See Dow, Herbert H., assignor.)						
Dow, Edgar L., Oakland, assignor to S. P. Sanders, Cupertino, Cal. Carbureter	772,791	Oct. 18	3182	693	112	1682
Dow, Fred F., Fredericton, Canada. Vapor-burner	756,603	Apr. 5	782	170	109	1508
Dow, Herbert H., assignor to Dow Chemical Company, Midland, Mich. Fractionating bromin apart from chlorin	752,286	Feb. 16	2829	627	108	1707
Dow, Herbert H., assignor to Dow Chemical Company, Midland, Mich. Fractionating bromin from chlorin	752,331	Feb. 16	2917	651	108	1726

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Dow, Herbert H., assignor to Dow Chemical Company, Midland, Mich. Manufacturing bromin from natural brines	752,332	Feb. 16	2919	651	108	1727
Dow, Herbert H., assignor to Dow Chemical Company, Midland, Mich. Converting bromin into bromids and bromates	765,417	July 19	3033	635	111	693
Dow, Herbert H., assignor to Dow Chemical Company, Midland, Mich. Removing carbon dioxide from alkaline carbonates	765,418	July 19	3035	635	111	693
Dow, Hiram A., Battlecreek, Mich. Massage device	770,519	Sept. 20	2635	558	112	628
Dow, Mark L., administrator. (See True, Mark B.)						
Dow, Thomas, Perth, Scotland. Machine for keeping the time of employees	775,348	Nov. 22	3652	773	113	883
Dow, Wallace H. (See Sager, Sagmeister, and Dow.)						
Dow, Wallace L., Sioux Falls, S. D., assignor to Miracle Pressed Stone Company. Machine for molding building blocks or stones	753,377	Mar. 1	287	65, 66	109	65
Dow, Willard E., Braintree, Mass. Electrical igniter for explosive-engines	752,384	Feb. 16	3021	673	108	1749
Dow, Willard W., Malden, Mass. Eyeglasses	765,566	July 19	3333	700	111	756
Dowagiac Manufacturing Company. (See Fowle, Charles L., assignor.)						
Dowd, John C., New York, N. Y. Toilet-stand	750,439	Jan. 26	3751	815	108	885
Dowd, John C., New York, N. Y. Hand-mirror or other toilet article	753,476	Mar. 1	474	111	109	103
Dowd, William H. (See Berglund and Dowd.)						
Dowden, Lemuel C., Prairie City, Iowa. Carrier and riddle attachment for potato-harvesters	761,458	May 31	5729	1221	110	1343
Dowell, John W., and W. T. Morrison, Roseburg, Oreg. Combined railway tie and rail-fastening	769,064	Aug. 30	0011	1259	111	2449
Dowler, James A. (See Turner and Dowler.)						
Downman-Dozier Manufacturing Company. (See Downman, George, assignor.)						
Downman, George, assignor to Downman-Dozier Manufacturing Company, Atlanta, Ga. Fireproof construction	762,472	June 14	1687	364	110	1824
Down, William. (See Bishop and Down.)						
Down, William E., Camden, N. J. Wiping device for plate-printing and embossing presses	763,544	June 28	3825	828	110	2331
Down, William E., Reading, Pa. Composite drill	766,393	Apr. 5	292	60	109	1406
Downer, Joseph E., Allentown, Pa. Car-wheel	760,857	May 24	4537	967	110	1065
Downer, Murillo, Chicago, Ill. Air-cushion for cars	758,604	Apr. 26	4780	1028, 1029	109	2427
Downer, Murillo, Chicago, Ill. Air-cushion for vehicles	770,847	Sept. 27	3281	691	112	789
Downer, Victor E. (See Gomez, Clara F., assignor.)						
Downes, Frederick A. (See Alexander, Jesse, assignor.)						
Downes, Louis W., assignor to D & W Fuse Company, Providence, R. I. Fuse	773,201	Oct. 25	4172	881	112	1927
Downes, Louis W., assignor to D & W Fuse Company, Providence, R. I. Electric-fuse switch-box	778,531	Dec. 27	4107	894, 895	113	2362
Downey, John C., assignor of two-thirds to J. P. Grimes and E. H. Deely, Waterbury, Conn. Clasp for garment-supporters	772,875	Oct. 18	3333	727	112	1718
Downey, Richard F. (See Halley and Downey.)						
Downham, Fletcher W. (See Jones and Downham.)						
Downing, Burton J., Manzanola, Colo. Fruit-picker	772,275	Oct. 11	2147	469	112	1438
Downing, George H., New York, N. Y. Means for holding acid-bottles in hand fire-extinguishers	765,379	July 19	2955	618	111	675
Downing, Hugh U., Lee county, Ala. Game apparatus	766,676	Aug. 2	1109	231	111	1283
Downing, Jacob, Denver, Colo. Agricultural implement	748,706	Jan. 5	291	66, 67	108	65
Downing, Thomas F., Chicago, Ill. Hose-coupling	758,627	May 3	46	8, 9	110	15
Downing, William C., Chicago, Ill. Combination ticket-punch	759,596	May 10	2054	420, 421, 422	110	482
Downing, William H., assignor of one-half to J. W. Solley, Parkersburg, W. Va. Double-acting chain wrench	750,440	Jan. 26	3752	815	108	885
Downman, Robert H. (See Shaw, Albert L., assignor.)						
Downs, Elmer N., Chicago, Ill. Wheel-rim for hollow tires	771,538	Oct. 4	638	142	112	1095
Downs, James L., North Bergen, N. J. Fusible-plug valve	766,006	Aug. 2	958	201	111	1254
Downs, John P., assignor to North Electric Company, Cleveland, Ohio. Relay device	749,814	Jan. 19	2578	549	108	611
Downs, John P., assignor, by mesne assignments, to J. F. McDonnell, Cleveland, Ohio. Telephone-exchange system	765,822	July 26	3871	834	111	882
Downs, N. Carroll. (See Cahill and Landgraf, assignors.)						
Downs, William S. (See Bartlett, Downs, and Tillman.)						
Doyal, Ira C., Collinsville, assignor of one-half to J. and W. R. Mayes, Rodentown, Ala. Railway tie	761,063	May 31	4979	1056	110	1178
Doyere, Charles, Foo-Chow, China. Steam-generator	765,070	July 12	2388	497	111	535
Doyle, Bernard W., Leominster, Mass. Puff-comb	769,151	Sept. 6	24	6	112	8
Doyle, Daniel H., et al. (See De Fontes, Francis, assignor.)						
Doyle, Francis J., Chicago, Ill. Steam-boiler	749,850	Jan. 19	2644	565, 566	108	625
Doyle, James, Canonsburg, Pa. Monkey-wrench	766,939	Aug. 9	1681	352	111	1435
Doyle, James S., New York, N. Y. Convertible cab for railway-cars	750,951	Feb. 2	324	76, 77, 78	108	1129
Doyle, James S., New York, N. Y. Convertible seat	765,614	July 19	3417	720	111	774
Doyle, John. (See Kimball and Doyle.)						
Doyle, John F., Chicago, Ill. Smoke-purifier	750,351	Jan. 26	3592	778	108	851
Doyle, John H., New Orleans, La. Strainer for waste-holes	760,132	Sept. 6	26	6	112	8
Doyle, Patrick J., Spencer, Mass. Liquid-measure	755,465	Mar. 22	4390	972	109	1006
Doyle, Phillip D., Somerville, Mass. Draw-hook and draw-bar for wagons	769,793	Sept. 13	1240	267	112	298
Doyle, Thomas F., and W. E. Tice, Chicago, Ill. Means for applying sand to tracks	771,539	Oct. 4	642	142, 143	112	1096
Doyle, William C., Aspen, Colo. Necktie-fastener	767,474	Aug. 16	2716	570	111	1678
Drake, Alson L., New York, N. Y. Flat or sad iron waxing pad	771,422	Oct. 4	417	93	112	1046
Drake, Alvin B., Goodlettsville, Tenn. Tire-heating machine or apparatus	768,324	Aug. 23	4883	1023	111	2181
Drake, Asa T., et al. (See Drake, Seaborn C., assignor.)						
Drake, Chester T., Chicago, Ill. Machine for excavating rock	753,477	Mar. 1	474	111	109	103
Drake, Edwin R., De Land, Fla. Suspensory bandage	756,005	Mar. 29	5400	1204	109	1261
Drake, Harry R., assignor to International Egg Carrier and Paper Company, Newark, N. Y. Egg-tray	755,640	Mar. 29	4719	1049	109	1093
Drake, James H. (See Moreck, William, assignor.)						
Drake, Joseph A. (See Banks, George L., assignor.)						
Drake, Joseph N., Cincinnati, Ohio. Trolley-wheel	771,423	Oct. 4	419	94	112	1046
Drake, Robert B., et al. (See Drake, Seaborn C., assignor.)						
Drake, Seaborn C., Washington, Ga. Plow-handle clamp	749,274	Jan. 12	1489	317	108	358
Drake, Seaborn C., assignor of one-half to R. B. and A. T. Drake, Washington, Ga. Vehicle-axle	759,353	May 10	1598	321	110	382
Drake, Thomas C., Malta, Ohio. Party-line telephone system	763,970	July 5	61	11	111	19

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Drake, Thomas C., Malta, Ohio. Ringer system for telephone-exchanges.	763,971	July 5	72	12	111	23
Drake, Thomas C., Malta, Ohio. Party-line telephone system	768,272	Aug. 23	4366	919	111	2063
Drake, Walter H., Cleveland, Ohio. Acetylene-gas burner	773,552	Nov. 1	40	9	113	13
Drake, William F., Pueblo, Colo. Cap.	751,480	Feb. 9	1287	293	108	1350
Draper, Charles W., and W. H. Robertson, Washington, D. C. Computing-machine	759,164	May 3	1132	230 231 232	110	237
Draper, Clare H., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms	754,290	Mar. 8	2104	467	109	477
Draper, Clare H., assignor to Draper Company, Hopedale, Mass. Shuttle for automatic looms and filling-carrier therefor	772,505	Oct. 18	2628	578	112	1564
Draper, Clare H., assignor to Draper Company, Hopedale, Mass. Picker-stick motion for looms	776,584	Dec. 6	235	52	113	1481
Draper Company. (See Anderson, John, assignor.)						
Draper Company. (See Beardsell, Arthur W., assignor.)						
Draper Company. (See Benson, Arthur E., assignor.)						
Draper Company. (See Benson, Omar, assignor.)						
Draper Company. (See Boisvert, Gideon, assignor.)						
Draper Company. (See Brooks, John C., assignor.)						
Draper Company. (See Brown, Larkin H., assignor.)						
Draper Company. (See Cobb, James H., assignor.)						
Draper Company. (See Côté, Henry, assignor.)						
Draper Company. (See Cuniff, Edward, assignor.)						
Draper Company. (See Davis, Royal E., assignor.)						
Draper Company. (See Dobbins, Belvia J., assignor.)						
Draper Company. (See Donner, William, assignor.)						
Draper Company. (See Draper, Clare H., assignor.)						
Draper Company. (See Draper, Eben S., assignor.)						
Draper Company. (See Draper, George O., assignor.)						
Draper Company. (See Draper, William F., assignor.)						
Draper Company. (See Dunn, Herbert L., assignor.)						
Draper Company. (See Edwards, John C., assignor.)						
Draper Company. (See Frost, Charles W., assignor.)						
Draper Company. (See Guilbert, Edmond, assignor.)						
Draper Company. (See Haynes, William, assignor.)						
Draper Company. (See Holdridge, Oscar E., assignor.)						
Draper Company. (See Howard, Charles S., assignor.)						
Draper Company. (See Hull, Alfred A., assignor.)						
Draper Company. (See Jamieson, Robert, assignor.)						
Draper Company. (See Johnson, Joshua P., assignor.)						
Draper Company. (See Land, Cincinatus H., assignor.)						
Draper Company. (See Lawrence, Henry, assignor.)						
Draper Company. (See Ledoux, Valmor A., assignor.)						
Draper Company. (See Lovejoy, Alfred, assignor.)						
Draper Company. (See Marcoux, Alida M., assignor.)						
Draper Company. (See Northrop, James H., assignor.)						
Draper Company. (See Northrop, Jonas, assignor.)						
Draper Company. (See Nutting, Charles E., assignor.)						
Draper Company. (See Oldfield, William, assignor.)						
Draper Company. (See Pearson, Robert P., assignor.)						
Draper Company. (See Rhoades, Alonzo E., assignor.)						
Draper Company. (See Roper, Charles F., assignor.)						
Draper Company. (See Roper, Walter F., assignor.)						
Draper Company. (See Roy, Edward D., assignor.)						
Draper Company. (See Sawyer, Orren A., assignor.)						
Draper Company. (See Searles, Henry F., assignor.)						
Draper Company. (See Sherry, John W., assignor.)						
Draper Company. (See Simms, William, assignor.)						
Draper Company. (See Snow, Isaac, assignor.)						
Draper Company. (See Southwick, William S., assignor.)						
Draper Company. (See Stimpson, Edward S., assignor.)						
Draper Company. (See Stimpson, Wallace I., assignor.)						
Draper Company. (See Stone, Melvin L., assignor.)						
Draper Company. (See Sullivan, Michael E., assignor.)						
Draper Company. (See Trombly, William C., assignor.)						
Draper Company. (See Warren, Charles H., assignor.)						
Draper Company. (See Wilkinson, Henry, assignor.)						
Draper Company. (See Wood, Everett S., assignor.)						
Draper, Eben S., assignor to Draper Company, Hopedale, Mass. Loom	775,898	Nov. 22	4770	1011	113	1124
Draper, Francis W. (See Courville and Draper.)						
Draper, Francis W., assignor to Farnham Organ Company, Detroit, Mich. Winding and rewinding mechanism	764,931	July 12	2135	441	111	484
Draper, Fryar E., and E. H. Roy, assignors of one-tenth to T. J. Zoeller, Nashville, Tenn. Train-order protector and signal-lock	776,120	Nov. 29	5231	1105 1106	113	1247
Draper, George O., assignor to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom	761,629	May 31	9035	1295	110	1411
Draper, George O., assignor to Draper Company, Hopedale, Mass. Ring-spinning apparatus	768,846	Aug. 30	5577	1171	111	2352
Draper, George O., assignor to Draper Company, Hopedale, Mass. Ring spinning and twisting apparatus	773,553	Nov. 1	41	9	113	13
Draper, George O., assignor to Draper Company, Hopedale, Mass. Spinning apparatus	774,742	Nov. 15	2350	509	113	539
Draper, George O., assignor to Draper Company, Hopedale, Mass. Spinning apparatus	774,743	Nov. 15	2354	509	113	560
Draper, George O., assignor to Draper Company, Hopedale, Mass. Spinning apparatus	774,744	Nov. 15	2356	510	113	560
Draper, George O., Hopedale, Mass., assignor to Sawyer Spindle Company. Spinning-spindle	776,121	Nov. 29	5234	1106	113	1247
Draper, George O., Hopedale, Mass., assignor to Sawyer Spindle Company. Spinning-spindle	776,122	Nov. 29	5237	1106	113	1248
Draper, James V., et al. (See Zuffall, Jacob F., assignor.)						
Draper, Jernon S., Volinia, Mich. Carriage-top	772,645	Oct. 18	2883	634	112	1619
Draper, Mabel B. (See Calkins, Lillian, assignor.)						
Draper and Maynard Company. (See Burt, Albert F., assignor.)						
Draper, William, Zanesville, Ohio. Corn-planter	770,682	Sept. 20	2945	625 626	112	698
Draper, William F., Hopedale, Mass., assignor to Sawyer Spindle Company. Yarn-spinning apparatus	760,973	May 24	4764	1014	110	1113
Draper, William F., assignor to Draper Company, Hopedale, Mass. Loom	775,558	Nov. 22	4123	865 867	113	986

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Dräsel, Gustav W., Hoboken, N. J. Hydrocarbon-burner.....	752,890	Feb. 23	4005	897	108	1983
Dräugthon, Peter E., Mobile, Ala. Plane-handle.....	752,532	Feb. 16	3289	783	108	1807
Draver, Emil R., Richmond, Ind. Grain cleaner and separator.....	749,366	Jan. 12	1675	856	108	402
Draver, Emil R., Richmond, Ind. Self-contained grain-scourer and dust-collector.....	749,367	Jan. 12	1677	357	108	402
Draver, Emil R., Richmond, Ind. Automatic feed-regulator.....	760,435	May 24	3667	776	110	875
Draver, Emil R., Richmond, Ind. Endless air-trunk separator with air-replenishing device.....	770,372	Sept. 20	2164	450	112	523
Drayer, Emil R., Richmond, Ind. Combined grain-separator and dust-collector.....	775,418	Nov. 22	3807	805	113	918
Drawbaugh, Daniel, Eberly Mills, Pa. Wireless signaling.....	752,533	Feb. 16	3390	734	108	1807
Drawbaugh, Daniel, Eberly Mills, Pa. Transmitting intelligence through the natural mediums.....	752,534	Feb. 16	3396	734	108	1810
Drayer, Ulysses S., Altoona, Pa. Draft-rigging joint connection for car-couplings.....	769,065	Aug. 30	6012	1259	111	2450
Dreany, Henry, Sudbury, Canada. Explosive.....	750,175	Jan. 19	3261	108	756	
Dreës, Albertine, Newark, N. J. Hair-waver.....	756,838	Apr. 12	1245	278	109	1626
Dregler, Edward F., Oakland, Cal. Bolting-alley dresser.....	756,780	Apr. 5	1126	247	109	1884
Drehr, Carl, Freiburg, Germany. Making compounds of titanic and lactic acids.....	760,319	May 17	3455	110	811	
Dreifuss, Leopold, Danville, Pa. Hose-coupling.....	761,950	June 7	367	135	110	5185
Dreisbach, William L., Williamsport, Pa., assignor of one-half to R. L. Smith, New Brunswick, N. J. Garment-fastener.....	759,683	May 10	2220	457	110	518
Dreiss, Edward, San Antonio, Tex. Food composition.....	753,685	Mar. 1	899	109	195	
Dreistadt, John. (See Shotwell and Dreistadt.).....						
Drennan, Charles M., Boston, Mass. Non-refillable bottle.....	750,755	Jan. 26	4382	946	108	1021
Drescher, Bruno D., Cleveland, Ohio. Joist-hanging device for floors, and Seidel.).....	753,051	Feb. 23	4348	967	108	2060
Drescher, Luis, Newark, N. J. Mechanical toy.....	773,005	Oct. 25	3598	779	112	1793
Dresses, Henry, Cincinnati, Ohio. Changeable-speed gear.....						
Dressel, Frederick W., assignor to Dressel Railway Lamp Works, New York, N. Y. Signal-lantern.....	757,183	Apr. 12	1941	424	109	1774
Dressel Railway Lamp Works. (See Dressel, Frederick W., assignor.).....						
Dressler, Charles E. (See Levy and Dressler.).....						
Dressler, Robert T., and P. J. Robinson, Hastings, Nebr. Fly-brush.....	778,532	Dec. 27	4108	895	113	2362
Drew, Fred. (See Delano, Augustine A., assignor.).....						
Drew, Fred, assignor of one-half to A. A. Delano, Brockton, Mass. Shoe tree or stretcher.....	777,188	Dec. 13	1427	316	113	1759
Drew, John A., Rockland, Tex. Try gravity-level.....	775,129	Nov. 15	3741	688	113	740
Drew, Martin W., Bliss, N. Y. Enslage-cutter.....	773,493	Oct. 25	4741	1000	112	2049
Drew, Wilbert L., Allston, and S. Stephens, Somerville, assignors to Wickersham Quoin Company, Boston, Mass. Printer's lockup.....	771,723	Oct. 4	982	219	112	1169
Drew, William T., assignor of one-half to J. F. Reid, New York, N. Y. Coin-controlled vending-machine.....	758,587	Apr. 26	4739	1021	109	2419
Drew, Willis A., et al. (See Waters, Frank J., assignor.).....						
Drewsen-Parent Construction Company. (See Drewsen and Parent, assignors.).....						
Drewsen, Paul, and J. Parent, assignors to Drewsen-Parent Construction Company, Shawano, Wis. Apparatus for preparing bisulfite liquor.....	774,869	Nov. 15	2622	563	113	620
Dreyer, Albert, Cologne, Germany. Injection-syringe.....	764,564	July 12	1376	281	111	317
Dreyer, William D., Cleveland, Ohio. Floor-joist hanger.....	755,116	Mar. 22	3744	822	109	870
Dreyer, William D., Cleveland, Ohio. Joist-hanging device for floors, and Seidel.).....	770,050	Sept. 13	1727	865	112	407
Dreyfus, Louis. (See Stadelmann, Hermann, Jr., assignor.).....						
Dreyfus, Louis A., New Brighton, N. Y. Treatment of casein.....	759,808	May 10	2466	110	573	
Drieffer, Conrad L., San Francisco, Cal. Cigar-making machine.....	767,331	Aug. 9	2424	509	111	1595
Drieschman, John. (See Drieschman, William F. and J.).....						
Drieschman, William F. and J., San Francisco, Cal. Mechanical door opening or closing device.....	748,848	Jan. 5	556	128	108	126
Driscoll, Garrett O. (See Prichard, William G., assignor.).....						
Driscoll, James J., et al. (See Baisley, Charles H., assignor.).....						
Driscoll, Mary A. J., Boston, Mass. Wearing-apparel.....	767,803	Aug. 16	3340	706	111	1818
Driscoll, Owen E., Charlottesville, Va. Dental-plate mold.....	753,128	Feb. 23	4481	997	108	2089
Driskill, James B., assignor of one-third to N. A. Worthington, Peoria, Ill. Post-hole auger.....	774,051	Nov. 1	1032	221	113	233
Driskill Post Hole Auger Company. (See Givens and Gridley, assignors.).....						
Drisko, Alonzo S., and R. Berenberg, Boston, Mass. Liquid-meter.....	748,707	Jan. 5	294	67	108	65
Driver, Augustus H. M., and G. Norman, Birmingham, England. Barrel-boring machine.....	772,706	Oct. 18	3015	662	112	1648
Driver, Carolyn, et al. (See Zar-Adusht-Hanish, Ottoman, assignor.).....						
Driver, Walter, Philadelphia, Pa. Motor-cycle.....	760,320	May 17	3459	728	110	811
Drost, Wilhelm, Duisburg, Germany. Apparatus for preventing the running away of horses.....	759,684	May 10	2222	458	110	519
Drummond, Albert, and W. C. Lieberknecht, New York, N. Y.; said Lieberknecht assignor to said Drummond. Leading attachment for type casting and setting machines.....	750,952	Feb. 2	328	78	108	1130
Drouvé, Gerhard F. (See Lovell, Albert K., assignor.).....						
Drowns, Frederick, Malden, Mass. Telephone-directory.....	763,093	June 21	2934	632	110	2114
Drozeski, Julius R., Erie, Pa. Ceiling-plate.....	756,479	Apr. 5	579	121	109	1464
Drucker, Morris N., Cincinnati, Ohio. Garment-supporter for trunks.....	762,989	June 21	2721	591	110	2068
Drucker, Morris N., Cincinnati, Ohio. Wardrobe-trunk.....	771,698	Oct. 11	1559	309	112	1264
Drucklieb, Charles A. (See Sticker, Francis, assignor.).....						
Drucklieb, Julius C., New York, N. Y. Apparatus for making cigarette-paper books.....	773,484	Oct. 25	4742	1000	112	2049
Druck, Arthur T., Marion, Ind. Journal-box for railway-cars.....	767,332	Aug. 9	2426	500	111	1596
Drum, George E. (See Smith and Drum.).....						
Drummond, Samuel, and W. C. Lieberknecht, New York, N. Y.; said Lieberknecht assignor to said Drummond. Leading attachment for type casting and setting machines.....	774,239	Nov. 8	1368	291	113	326
Drummond, Thomas J. (See Martin, Morris, assignor.).....						
Drummond, William A., near Camargo, Okla. Ter. Adjustable trestle.....	758,130	Apr. 26	3840	834	109	2219
Drury, Elmer E., Glouster, Ohio. Runner for wheeled vehicles.....	766,940	Aug. 9	1682	353	111	1485
Drury, Elmer E., and W. E. Storer, Glouster, Ohio. Nut-lock.....	770,422	Sept. 20	2441	516	112	585
Drury, Frederick A., Jersey City, N. J. Wrench.....	751,451	Feb. 9	1289	294	108	1351
Drury, George W., Canastota, assignor of one-half to C. A. Lee, Oneida, N. Y. Adjusting mechanism for couch head-rests, &c.....	773,720	Nov. 1	358	80	113	85
Drury, Nelson E., Princeton, Mass. Combined truck and skid.....	778,640	Dec. 27	4328	945	113	2411
Drury, William H., Waltham, Mass. Yarn formed of fibrous materials.....	763,377	June 28	3507	756	110	2264
Drury, William H., Waltham, Mass. Machinery for manufacturing yarn from fibrous materials.....	763,378	June 28	3508	758	110	2264
Drury, William H., Waltham, Mass., assignor to G. T. Ford, Washington, D. C. Woven fabric formed chiefly of fibers of leather.....	763,737	June 28	4193	914	110	2410

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Drury, William H., Waltham, Mass., assignor to G. T. Ford, Washington, D. C. Drawing mechanism for spinning or other machinery	763,863	June 28	4437	966	110	2462
Drury, William H., Waltham, Mass., assignor to G. T. Ford, Washington, D. C. Woven fabric formed of fibrous materials	763,864	June 28	4439	966	110	2462
Druschonkoff, Alexander A., St. Petersburg, Russia, assignor to American Tobacco Company, New York, N. Y. Mechanism for attaching fibrous material to cigarette mouthpiece-blanks	760,436	May 24	4669	777	108	875
Dryden, George B., Chicago, Ill. Rubber tire	752,891	Feb. 23	4008	898	110	1854
Dryden, William W. (See Fritz and Dryden.)						
Drysdale, Stephen H., Versailles, Mo. Adding-machine	769,892	Sept. 13	1432	306 307	112	341
Du Bois, Archibald A., assignor to G. Reis & Bro., New York, N. Y. Printing-machine	770,683	Sept. 20	2947	626	112	699
Du Bois, Charles F., assignor of one-fourth to I. Sutton, Denver, Colo. Drip-concentrator	769,211	Sept. 6	132	32, 33	112	90
Du Bois, Josiah S., Camden, N. J. Jar	768,115	Aug. 23	4069	857	111	1998
Du Brul, Albert, New York, N. Y., assignor to Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio. Binder or wrapper mechanism for cigar or cigarette machines	752,961	Feb. 23	4178	931	108	2082
Du Clos, George H., Brooklyn, N. Y., assignor to Pleasure Park Amusement Company. Amusement apparatus	757,266	Apr. 12	2134	466	109	1813
Du Fossat, Gustave S., New Orleans, La. G. Thompson, Milwaukee, Wis. Steam-trap	773,623	Nov. 22	4257	899	113	1016
Du Perow, Mortimer, Washington, D. C. Electrically-controlled monogram-sign	773,931	Nov. 1	805	169	113	185
Du Pont, Alfred I., Wilmington, Del. Powder-press	772,670	Oct. 18	2931	643 644	112	1629
Du Pont, Francis I., Wilmington, Del. Purifying nitrocellulose	762,737	June 14	2268	720	110	1947
Du Temple, Gideon, Waterbury, Conn. Window-screen	765,615	July 19	3418	721	111	775
Dubach, Anton, Highland, Ill. Combined corn planter and marker	749,541	Jan. 12	2036	426 427	108	482
Dubé, Joseph, Cambridge, Mass. Gang soldering-machine	752,333	Feb. 16	2922	651 652	108	1727
Dubia, Harry A. (See Chase, Frank H., assignor.)						
Dubinski, Benjamin, San Antonio, Tex. Electric time-switch	773,485	Oct. 25	4745	1001 (1001)	112	2050
Dubinski, Benjamin, San Antonio, Tex. Sound-reproducing machine	773,486	Oct. 25	4748	1002 (1003)	112	2050
Dubuis, Gabriel, Pimlico, London, England. Disinfecting apparatus	760,061	May 17	2964	618	110	708
Du Henry A. Jr., Charleston, S. C. Apparatus for condensing steam	753,247	Mar. 1	58	15	109	15
Ducart, Willy, Schiltgheim, Germany. Means for packing bottles, &c.	758,239	Apr. 26	4043	878	109	2262
Duchemin, Paul, Thury-Harcourt, France. Support for slates or tiles on roofs	757,285	Apr. 12	2134	465	109	1813
Duchesse, Ernest, Paris, France. Multitubular steam-generator	776,732	Dec. 6	543	119	113	1546
Duchesse, Henry H., Melrose, Mass. Shoe-sewing machine	770,799	Sept. 27	3170	672	112	764
Duck, Joseph G., assignor of one-half to J. G. Thompson, Milwaukee, Wis. Steam-separator	759,961	Mar. 8	1296	292	109	299
Duck, Joseph G., assignor of one-half to J. G. Thompson, Milwaukee, Wis. Steam-separator	756,942	Apr. 12	1446	321	109	1667
Duck, Joseph G., assignor of one-half to J. G. Thompson, Milwaukee, Wis. Steam-separator	756,943	Apr. 12	1449	321	109	1667
Ducker, Louis F., Boston, Mass., assignor, by mesne assignments, to Blue Blazes Gas Heater Company, Kittery, Me. Hot-water heater	769,470	Sept. 6	658	142	112	150
Duckworth, Albert S. (See Cross, Marion S., assignor.)						
Duckworth, Mendsfirth, and J. Sunderland, Fall River, Mass. Shuttle-swell	763,468	June 28	3691	796	110	2303
Ducombs, Albert. (See Doize and Ducombs.)						
Ducouso, Théophile. (See Bieynie and Ducouso.)						
Ducrotet, Eugène, Paris, France. Wireless-telegraph receiving system	756,219	Apr. 5	55	13	109	1354
Dudgeon, Harry A., Leicester, England. Area-measuring machine	776,306	Nov. 29	5374	1181 (1182)	113	1326
Dudgeon, Thomas M., Avalon, Pa. Fuel burner and mixer	764,279	July 5	743	152	111	164
Dudley, Archie L., Chicago, Ill. Stuffing-box	759,973	May 17	2794	585	110	663
Dudley, Arthur L. (See Dudley, George W. and A. L.)						
Dudley, George W. and A. L., Staunton, Va., assignors to Numerograph Manufacturing Company, Charleston, W. Va. Recording and adding machine	756,340	Apr. 5	294	61	109	1406
Dudley, Job, Hamilton, Canada. Hydraulic propeller for vessels	749,427	Jan. 12	1794	378	108	424
Dudley, Joseph P., et al. (See Caldwell, Henry C., assignor.)						
Dudley, Leon S., and D. R. Bebout, Effingham, Ill. Bathing apparatus	774,637	Nov. 8	2136	468	113	489
Dudley, Leon S., and D. R. Bebout, Effingham, Ill. Collapsible receptacle	776,641	Dec. 27	4329	945	113	2411
Dudley, S. E., et al. (See Holaday, Henry C., assignor.)						
Dudley, Walter J., Bangor, Me. Egg-beater	775,102	Nov. 15	3079	654	113	727
Dudley, William W., Trenton, N. J., assignor to Trenton Watch Company. Watchcase	748,590	Jan. 5	70	20	108	17
Dudy, Albert, Sr., Menominee, Mich. Nail-extractor	754,754	Mar. 15	3083	674	109	709
Duenckel, Frederick W. (See Moffett and Duenckel.)						
Duerr, Otto E., and C. A. Mortland, Wilkinsburg, Pa. Display-cabinet	764,280	July 5	745	152	111	165
Duerr, Philip J., Buffalo, N. Y. Bowling game	765,419	July 19	3036	635 636	111	698
Duesterwald, Frank, New York, N. Y. Locking device for permutation-locks	778,018	Dec. 20	3908	636	113	2127
Duff, Alfred B., Pittsburg, Pa. Superheater for gas-producers	764,437	July 5	1077	220	111	240
Duff, Alfred B., Pittsburg, Pa. Steam-boiler	764,438	July 5	1079	220	111	240
Duff, Ezekiah N. (See Duff, Samuel E., assignor.)						
Duff, John T., Harmarville, assignor of one-half to J. McNaugher, Allegheny, Pa. Making bells	753,248	Mar. 1	62	15	109	16
Duff, John W., Old Orchard, assignor to G. F. Haley, Biddeford, Me. Shoe-fastening	767,213	Aug. 9	2223	463	111	1551
Duff, Kathleen A., San Francisco, Cal. Attachment for stoves	776,538	Oct. 18	2732	538	112	1585
Duff Manufacturing Company. (See Freed, George F., assignor.)						
Duff, Samuel E., Bellevue, assignor of one-third to H. N. Duff, Pittsburg, Pa. Railway substructure	769,780	Sept. 13	1132	244	112	275
Duff & Sons, P. (See Thibodeau, Charles, assignor.)						
Duffek, Arthur. (See Strenitz, Alexander, assignor.)						
Duffie, John J., Los Angeles, Cal. Burllesque hanging-machine	765,170	July 19	2562	535	111	591
Duffield, George, and W. B. Fairweather, Chicago, Ill. Hoof-pad	776,123	Nov. 29	5259	1106	113	1249
Duffing, George F. (See Davis, William W., assignor.)						
Duffner, Matthew, Allegheny, Pa. Exerciser	764,116	July 5	515	80, 81	111	91
Dufford, William N., Findlay, Ohio. Vegetable-slicer	762,579	June 14	1907	410	110	1871
Dufford, William N., Findlay, Ohio. Band-brake	766,172	Aug. 2	33	6	111	1049
Duffy, Henry F., Seattle, Wash. Third-rail cover	748,591	Jan. 5	72	20	108	17
Duffy, Henry F., Seattle, Wash. Third-rail protector	748,592	Jan. 5	73	20	108	18
Duffy, James A., and O. Irwin, assignors of six-tenths to C. D. Armstrong, Pittsburg, Pa. Electromechanical switch mechanism	770,456	Sept. 20	2501	531	112	598

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Duffy, John, Grand Rapids, Mich. Sash-pulley.....	763,545	June 28	3828	1828	110	2381
Duffy, John, Grand Rapids, Mich. Sash-pulley.....	763,546	June 28	3830	820	110	2382
Duffy, Thomas I., Chicago, Ill. Automatic gate.....	756,761	Apr. 5	1128	248	109	1534
Duffy, Thomas I., New Orleans, La., assignor to A. Crossman and A. V. Martin, Chicago, Ill. Clothes-horse.....	773,788	Nov. 1	482	105	113	112
Dulay, Arthur, Troy, N. Y. Game and amusement apparatus.....	756,341	Apr. 5	208	62	109	1407
Dufur, Douglas S., The Dalles, Oreg. Carriage-return for type-writers.....	749,723	Jan. 19	2405	508	108	572
Dufur, Douglas S., The Dalles, Oreg. Envelop or card feeding device.....	754,434	Mar. 15	2463	536	109	573
Dufur, Douglas S., The Dalles, Oreg. Feeding device for type-writers.....	754,435	Mar. 15	2468	537	109	574
Dugan, Patrick J. (See Scannell and Dugan.)						
Dugauquier, Leon, Houdeng-Gogneins, Belgium. Spinning-machine.....	752,829	Feb. 23	3884	871	108	1955
Duggan, Daniel D. (See Mabrey, Morton, assignor.)						
Duggan, Lee, Rocky Mount, N. C. Artificial leg.....	757,287	Apr. 12	2136	467	109	1814
Duhring, Warner J., et al. (See Weyrs, Frank S., assignor.)						
Duisen, Henry, St. Louis, Mo. Plumb and level.....	752,535	Feb. 16	3300	735	108	1811
Duisenberg, Edward G., Honolulu, Hawaii. Atomizer for liquid fuel.....	757,100	Apr. 12	1769	384	109	1735
Duke, Joseph H., Corry, Pa., and J. F. Bray, Saltpetre, Ohio. Deep-well pump-valve.....	751,482	Feb. 9	1290	294	108	1351
Dukes, Harry S., and W. H. Clayton, assignors to Dukes Typewriter Company, Little Rock, Ark. Type-writing machine.....	753,768	Mar. 1	1108	252	109	239
Dukes, Harry S., and W. H. Clayton, assignors to Dukes Typewriter Company, Little Rock, Ark. Work-handling mechanism for type-writing machines.....	753,769	Mar. 1	1135	256	109	245
Dukes Typewriter Company. (See Dukes and Clayton, assignors.)						
Duket, John J., Toledo, Ohio. Safety hat-pin.....	771,359	Oct. 4	283	62	112	1022
Dulaey, William H., Leakey, Tex. Wagon-box fastener.....	753,378	Mar. 1	290	66	109	66
Dulin, Charles E., Glens Falls, assignor to Union Bag & Paper Company, Sandy Hill, N. Y. Centrifugal screen.....	756,342	Apr. 5	299	62	109	1407
Dull, Egbert R., Chicago, Ill. Electric switch.....	760,387	May 17	3575	754	110	838
Dull, Floyd N., et al. (See Wilson and Dull, assignors.)						
Dull, Lester M. (See Wilson and Dull.)						
Dumars, Horace, Glenridge, N. J. Mechanism for separating liquid air into its constituents oxygen and nitrogen.....	749,040	Jan. 5	979	307	108	228
Dumau, Lee J., Columbus, Ohio. Apparatus for the manufacture of concrete bricks, &c.	733,249	Mar. 1	63	16, 17	109	16
Dumont, Gustave, and J. Sentezan, Los Angeles, Cal. Non-refillable cigar-package.....	776,049	Dec. 6	361	78	113	1508
Dunaway, C. W. (See Webb, Samuel F., assignor.)						
Dunaway, John J. and T. W., Saline, La. Cotton-chopper.....	766,024	July 26	4254	909	111	965
Dunaway, Thomas W. (See Dunaway, John J. and T. W.)						
Dunbar, Anna E., Albany, N. Y. Device for holding down shirt-waists.....	769,212	Sept. 6	134	33	112	30
Dunbar, Bentley C. (See Larson and Dunbar.)						
Dunbar, Charles. (See Rohm, James T., assignor.)						
Dunbar, Charles L. (See Dunbar, Henry D. and C. L.)						
Dunbar, Clement A., Detroit, Mich. Leer for annealing glassware.....	759,165	May 3	1141	232	110	259
Dunbar, Henry C., Minneapolis, Minn. Indexed book.....	752,385	Feb. 16	3023	673	108	1749
Dunbar, Henry D., North Portland, Vt., and C. L. Dunbar, Lebanon, N. H. Balanced slide-valve.....	763,167	June 21	3080	663	110	2148
Dunbar, Luther A., Bartlett, N. H. Corner joint or stay for boxes, trays, cartons, or other structures.....	778,533	Dec. 27	4110	895	113	2362
Dunbar, Robert V., New York, N. Y. Third-rail insulator.....	770,990	Sept. 27	3500	737	112	840
Dunbar, Wallace R., Everett, Mass. Exercising device.....	756,480	Apr. 5	580	121	109	1464
Dunbar, William, Gloversville, N. Y. Brush-drip.....	775,526	Nov. 22	4020	848	113	964
Dunbar, William T., Ellis Mills, Tenn. Horse-detacher.....	775,808	Nov. 22	4601	975	113	1089
Duncan, Charles. (See Milligan and Duncan.)						
Duncan Chemical Company. (See Duncan, Robert K., assignor.)						
Duncan, Emily C., Jennings, La. Calculator.....	749,851	Jan. 19	2649	566	108	626
Duncan, Fred L., Andrew county, Mo. Horse-detacher.....	763,094	June 21	2935	632	110	2114
Duncan, Frederick B., assignor to Northern Electrical Manufacturing Company, Madison, Wis. Electric motor.....	773,930	Nov. 1	804	169	113	185
Duncan, George S., Melbourne, Victoria, Australia. Slime-filtering apparatus.....	766,025	July 26	4255	909	111	965
Duncan, James A. (See Hudson and Duncan.)						
Duncan, James E., Jennings, La. Computing scale, balance, and beam.....	764,045	July 5	262	49	111	60
Duncan, James E., Jennings, La. Calculator.....	772,792	Oct. 18	3184	1693	112	1683
Duncan, John M., Brays, Mo. Loading or unloading device.....	762,517	June 14	1769	378	110	1842
Duncan, Joseph S., Chicago, Ill. Machine for making printing-plates.....	750,831	Feb. 2	94	22, 23	108	1078
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine.....	759,249	May 10	1377	274	110	334
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Paper-feeding mechanism.....	759,250	May 10	1384	276	110	336
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Tray.....	764,354	July 5	904	184	111	198
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine.....	764,600	July 12	1577	322	111	360
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Rubber type.....	768,981	Aug. 30	5846	1227	111	2414
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-machine.....	774,658	Nov. 8	2138	468	113	490
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-machine.....	774,912	Nov. 15	2702	579	113	638
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-machine.....	776,503	Dec. 6	54	13, 14	113	1436
Duncan, Robert K., Washington, Pa. Decorating vitreous ware.....	772,876	Oct. 18	3335	112	1718	
Duncan, Robert K., Washington, Pa., assignor to Duncan Chemical Company. Ornamented or lettered glassware or similar ware.....	748,849	Jan. 5	558	108	126	
Duncan, Robert K., Washington, Pa., assignor to Duncan Chemical Company. Manufacturing ornamented or lettered articles.....	748,850	Jan. 5	560	108	126	
Duncan, Robert K., Washington, Pa., assignor to Duncan Chemical Company. Material for producing designs, ornamentations, or letters on articles.....	748,851	Jan. 5	562	108	127	
Duncan, Thomas. (See Bachtel, Samuel R., assignor.)						
Duncan, Thomas, Lafayette, Ind. Electric meter.....	752,048	Feb. 16	2375	531	108	1603

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Duncan, Thomas, Lafayette, Ind. Electric meter.....	753,193	Feb. 23	4600	1025	108	2118
Duncan, Thomas, Lafayette, Ind. Electric meter.....	753,194	Feb. 23	4608	1025	108	2118
Duncan, Thomas, Lafayette, Ind. Electric meter.....	753,556	Mar. 1	653	147	109	144
Duncan, Thomas, Lafayette, Ind. Metering system.....	768,984	Aug. 30	5745	1208	111	2391
Duncan, Thomas, Chicago, Ill. Electric meter.....	753,191	Feb. 23	4598	1024	108	2115
Duncan, Thomas, Chicago, Ill. Electric meter.....	753,192	Feb. 23	4597	1024	108	2116
Duncan, Thomas, Chicago, Ill. Electric meter.....	768,982	Aug. 30	5847	1228	111	2414
Duncan, Thomas, Chicago, Ill. Electrical measuring instrument.....	769,984	Sept. 13	1611	344	112	379
Duncan, Thomas, Chicago, Ill. Electrical measuring instrument.....	769,985	Sept. 13	1614	344	112	380
Duncan, Thomas, Chicago, Ill. Electric meter.....	769,986	Sept. 13	1619	344	112	381
Duncan, Thomas, Chicago, Ill. Electric meter.....	769,987	Sept. 13	1622	345	112	382
Duncan, Thomas, Chicago, Ill. Electric meter.....	769,988	Sept. 13	1627	345	112	383
Duncan, Thomas, Chicago, Ill. Electrical measuring instrument.....	769,989	Sept. 13	1633	346	112	386
Duncan, Whit. A., assignor of one-half to E. T. Luckie, Atlanta, Ga. Grapple.....	764,281	July 5	746	153	111	165
Duncan, William B., Jr., New York, N. Y. Cigar-band remover.....	773,856	Nov. 1	640	138	113	149
Duncan, William F., et al. (See Huntley, Stephen A., assignor.).....						
Duncombe, Maurice, Wattsburg, Pa. Needle-cushion spool.....	752,536	Feb. 16	3301	735	108	1811
Duncombe, Tyrrell H., St. Thomas, Canada. Ball-bearing.....	754,436	Mar. 15	2472	538	109	575
Duncombe, Tyrrell H., Cleveland, Ohio. Weather-strip for doors.....	776,226	Nov. 29	5450	1154	113	1299
Dundon, John H., Youngstown, Ohio. Ratchet-wrench.....	755,466	Mar. 22	4391	973	109	1006
Dundon, Patrick F., San Francisco, Cal. Timber-treating process.....	753,052	Feb. 23	4349	968	108	2062
Dunfee, Robert G., Fostoria, Ohio. Plug-ejecting jack for telephone-switchboards.....	750,953	Feb. 2	330	708	108	1131
Dunford, Joseph, Canton, Minn. Gate.....	776,888	Nov. 29	5739	1214	113	1364
Dungan, Harry C., Jackson, Ohio. Adding-machine.....	768,431	Aug. 23	4709	986	111	2145
Dungan, Michael M., Homer, Ill. Gate.....	755,858	Mar. 29	5172	1144	109	1198
Dunham, Andrew A., New York, N. Y., assignor to Casein Company of America. Preparing food casein.....	750,832	Feb. 2	100	24	106	1079
Dunham, Clayton A., Marshalltown, Iowa. Steam-trap.....	753,557	Mar. 1	656	148	109	145
Dunham, Harry A., Asheville, N. C. Bedstead-fastener.....	755,285	Mar. 22	4049	898	109	934
Dunham, Henry V., New York, N. Y., assignor to Casein Company of America. Insoluble gelatinous product and producing same.....	748,708	Jan. 5	295	-----	108	66
Dunham, Henry V., New York, N. Y., assignor to Casein Company of America. Casein-cellulose composition and producing same.....	748,709	Jan. 5	296	-----	108	66
Dunham, Herbert F., New York, N. Y. Power-pump.....	773,250	Oct. 25	4261	901	112	1947
Dunham, Kennon. (See Churcher, William B., assignor.).....						
Dunham, William L., Washington, D. C. Toy cash-register.....	770,423	Sept. 20	2442	516	112	585
Dunkle, Blake A., East Pittsburg, Pa. Harness.....	769,066	Aug. 30	6015	1260	111	2450
Dunkle, David E., Corning, N. Y. Fountain-brush.....	757,897	Apr. 19	3367	727	109	2096
Dunlap, Joseph F., Riceville, La. Rice-milling machine.....	764,992	July 12	2233	461	111	504
Dunlap, Joseph F., Riceville, La. Rice-brushing machine.....	764,993	July 12	2235	462	111	505
Dunlap, Simon L., Indianapolis, Ind. Extensible dome-form for cement cisterns.....	772,276	Oct. 11	2147	470	112	1438
Dunlap, Thaddeus C., Columbus, Ohio. Motor-frame.....	775,446	Nov. 22	3860	816	113	929
Dunlap, William P., Maquoketa, Iowa. Metallic base for posts.....	772,928	Oct. 25	3457	749	112	1768
Dunlop, John B. and John B., Jr., Dublin, Ireland. Exhaust-silencer for internal-combustion engines.....	752,886	Feb. 16	3025	673	108	1750
Dunlop, Samuel J., assignor of one-half to W. M. Glenn, Newark, Ohio. Gage-cock.....	765,229	July 19	2660	558	111	612
Dunmore, Andrew J., Irwin, and H. Bair, Turtlecreek, Pa. Railway-brake.....	760,437	May 24	3673	778	110	876
Dunn, Alfred F., Moor, Iowa. Hook.....	749,832	Jan. 19	2850	566	108	625
Dunn, Dennis, assignor of one-half to J. H. Prosser, Mahanoy City, Pa. Air-brake.....	756,004	Apr. 5	785	170	109	1508
Dunn, Frank B. (See Smith and Dunn.).....						
Dunn, Frederick W., assignor of one-half to N. McPhedran, G. L. Whitney, J. H. Frank, and H. J. Finkle, Woodstock, Canada. Manufacture of artificial stone.....	754,550	Mar. 15	2687	583	109	623
Dunn, Gano S., New York, N. Y. Motor-generator.....	768,735	Aug. 30	5353	1127	111	2302
Dunn, Gano S., East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. System of speed regulation for motor-driven machinery.....	754,980	Mar. 22	3513	769	109	819
Dunn, George F., Brockton, Mass. Return-ball megaphone.....	755,117	Mar. 22	3744	823	109	871
Dunn, Herbert L., assignor to Draper Company, Hopedale, Mass. Heat-resisting and fireproof concrete composition.....	768,983	Aug. 30	5849	-----	111	2414
Dunn, Hiram E., Warren, Ohio. Dental lamp.....	758,741	May 3	334	66	110	82
Dunn, Hugh T., assignor of one-half to E. A. Jackson, New York, N. Y. Rotary engine.....	768,865	June 28	4440	967	110	2462
Dunn, J. B. (See De La Mare, Thomas, assignor.).....						
Dunn, James F., Salt Lake City, Utah. Locomotive buffer-beam.....	750,441	Jan. 26	3754	816	108	886
Dunn, Louis, St. Paul, Minn. Safety device for point-switches.....	749,275	Jan. 12	1450	317	108	359
Dunn, Mary A., New York, N. Y. Bottle, stopper, and opener.....	752,049	Feb. 16	2377	531	108	1604
Dunn, Patrick F. (See Long and Dunn.).....						
Dunn, Robert I. E., Dallas, Tex. Trolley-pole head.....	760,184	May 17	3215	674	110	758
Dunn, Robert T. (See Dunn, Thomas T. and R. T.).....						
Dunn, Thomas T. and R. T., Sheridan, Pa. Churn.....	769,595	Sept. 6	876	189	112	198
Dunn, Wilbur. (See Snider, Walter D., assignor.).....						
Dunne, James, New York, N. Y. Commercial security.....	761,212	May 31	5258	1116	110	1238
Dunne, John J. (See Keller, Volney P., assignor.).....						
Dunne, Lawrence, Montgomery, Ala. Windmill.....	752,764	Feb. 23	3754	838	108	1927
Dunne, Ralph, Dunedin, New Zealand. Miter-cutting machine.....	752,050	Feb. 16	2378	531	108	1604
Dunne, Ralph, Dunedin, New Zealand. Cutting material for forming miter-joints.....	778,642	Dec. 27	4331	946	113	2412
Dunnett, Francis E., assignor of one-half to E. H. Sellers, Detroit, Mich. Shoe-lace fastener.....	769,308	Sept. 6	352	80	112	76
Dunning, Carrie L., Buffalo, N. Y. Apparatus for teaching music.....	762,990	Jan. 21	2722	591	110	2068
Dunning, Carroll H., New York, N. Y. Machine for shaping paper.....	775,330	Nov. 22	3606	764	113	871
Dunsford, James H., Winnipeg, Canada. Spring handle-bar.....	778,573	Dec. 27	4182	912	113	2377
Dunsee, Glenn M., Roland, Iowa. Massage-rollers.....	764,739	July 12	1831	381	111	420
Dunston, James S. (See Kempshall, Eleazar, assignor.).....						
Duntley, William O., Chicago, Ill. Battery-cell.....	764,282	July 5	747	153	111	165
Dunton, Delos. (See Fannon, Robert D., assignor.).....						
Dunton, George E., New York, N. Y. Apparatus for circulating liquids in tanks.....	758,430	Apr. 26	4440	954	109	2351
Dunton, George E., New York, N. Y. Apparatus for circulating liquids in tanks.....	755,513	Apr. 26	4597	988	109	2283

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Dupee, George E., Somerville, Mass. Lumber-handling apparatus	769,153	Sept. 6	26	6, 7	112	8
Dupeire, Edwin J., New Orleans, La. Graft apparatus	772,344	Oct. 18	2298	508	112	1492
Duperron, Julian, Provostmont, Mich. Draft-equalizer	768,094	June 14	2188	466	110	1922
Duplessis, Paul, assignor to S. H. Howe Shoe Company, Marlboro, Mass. Burnishing-machine	760,529	May 24	3859	818	110	921
Duplex Envelope and Printing Company. (See Jones, Archer G., assignor.)						
Duplex Radiator Company. (See Bayles, Alfred G., assignor.)						
Duplex Vendor Company. (See Jackman, David K., assignor.)						
Dupont, Joseph, West Derry, N. H. Pneumatic tire	754,645	Mar. 15	2874	627	109	660
Duprey, Philip H. (See Germain, Peter H., assignor.)						
Dupuis, Adolphe C. G., New Orleans, La., and W. S. Fell, Waveland, Miss., assignors to F. P. Morrill and G. E. Pitcher, New Orleans, La. Distilling apparatus	749,368	Jan. 12	1680	357 358	108	403
Dupuis, Jean, Montpellier, France. Chain	756,481	Apr. 5	581	121 122	109	1464
Dupuy, Adam C. A., New Orleans, La. Cane cutting and stripping machine	753,558	Mar. 1	659	148	109	145
Duquett, Maxim A., Toledo, Ohio. Antivibrating scale-indicator	772,090	Oct. 11	1771	894	112	1354
Duquette, Julius S., and J. W. Heath, Athol, Mass. Boring-machine	763,738	June 28	4195	914	110	611
Durali, David S., Hurdland, Mo. Wire-stretcher	759,974	May 17	2796	585	110	2433
Durand, Louis, Dumont, N. J., assignor to American Exchange National Bank of New York. Dough-kneading machine	760,388	May 17	3577	755	110	838
Durant, Joseph H., Harrisville, N. H. Bow-facing saw	767,214	Aug. 9	3225	463	111	1552
Durden, Washington L., Peterman, assignor of one-half to J. J. King, Consul, and C. F. Hannon, Montgomery, Ala. Nut-lock	758,686	Mar. 1	900	204	109	195
Durgin, Alfred B., Medford, Mass. Combined comb and brush	761,664	June 7	75	12	110	1454
Durham, George W., Burns, assignor of one-half to L. Harsh, Sycamore Springs, Kans. Sickle-grinding attachment to mowing-machines	768,790	Aug. 30	5444	1146	111	2323
Durham, John L., Sanco, Tex. Planter	761,665	June 7	77	13	110	1454
Durham, Raymond E. (See Guyon, Joseph L., assignor.)						
Durham, Thomas F., Philadelphia, Pa. Blasting-cartridge	748,935	Jan. 5	742	161	108	169
Durkee, Eugene W., East Patchogue, N. Y. Display-rack	752,387	Feb. 16	3026	674	108	1750
Durkee, John, Woodbine, Iowa. Disk and colter holder	776,585	Dec. 6	237	52	113	1481
Durkee, Lafayette, Denver, Colo. Rock-drilling engine	761,153	May 31	5144	1093 1094	110	1213
Durkee, Lafayette, assignor to Mine & Smelter Supply Company, Denver, Colo. Rock-cutting drill-bit	749,369	Jan. 12	1682	358	108	403
Durkin, John P., assignor of one-half to G. B. Kirkbride, W. S. Taylor, and E. W. Baird, Philadelphia, Pa. Controller	776,895	Dec. 6	873	187	113	1619
Durkin, John P., assignor to G. B. Kirkbride, W. S. Taylor, and E. W. Baird, Philadelphia, Pa. Controller	776,895	Dec. 6	873	187	113	1619
Duross, Patrick F., New York, N. Y. Wrench	778,643	Dec. 27	4333	946	113	2412
Durr, John W., Portland, Oreg. Mangle	777,009	Dec. 6	1094	238	113	1669
Durr, Otto, Buffalo, N. Y. Show-case construction	760,530	May 24	3861	819	110	921
Durst, William, Brooklyn, N. Y. Curtain-rod	755,593	Mar. 22	4568	1024	109	1085
Duryea, Charles E., Reading, Pa. Pneumatic tire	756,482	Apr. 5	581	122	109	1465
Duryea, James F., Springfield, Mass. Internal-combustion engine	776,650	Dec. 6	364	78	113	1509
Duryea, James F., Springfield, Mass. Connecting-rod	775,103	Nov. 15	3081	655	113	728
Duryea, Otho C. (See White and Duryea.)	778,521	Dec. 27	4653	1017	113	2483
Duryea, Otho C., and M. C. White, Los Angeles, Cal. Valve-action for explosive-engines	759,975	May 17	2797	586	110	663
Duryea, William C., Blawenburgh, N. J. Mechanical movement adapted to grain-binders	753,559	Mar. 1	662	148	109	146
Duryea, William C., Blawenburgh, N. J. Grain-binder	772,137	Oct. 11	1858	412	112	1372
Dusenbury, Philip S., and H. M. Kelly, San Francisco, Cal. Mail or letter box	749,428	Jan. 12	1795	378	108	425
Dusenbury, William H., assignor to W. B. Stevens and Son, New York, N. Y. Dog-muzzle	777,280	Dec. 13	1596	355	113	1796
Dusinberre, George B., Edgewood Park, Pa. Paper-clip	749,429	Jan. 12	1797	379	108	425
Dusinberre, George B., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current induction-motor	763,379	June 28	3520	759	110	2266
Dusinberre, George B., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current induction-motor	763,379	June 28	3520	759	110	2266
Dust Guard Manufacturing Company. (See Sager, Sagmeister, and Dow, assignors.)						
Dustin, Benjamin S., Topeka, Kans. Stay-bolt chuck	770,741	Sept. 27	3050	649	112	738
Dutertre, Georges E., Levallois-Perret, France. Electric roasting-oven	764,994	July 12	2237	462	111	505
Dutrieu, Hélène, Paris, France. Construction of switchback-roads	749,607	Jan. 12	2153	450	108	504
Dutton, Burton M., assignor of one-half to W. L. Cook, Philadelphia, Pa. Steam-turbine	768,116	Aug. 23	4070	857 858	111	1999
Dutton, Chauncey N., New York, N. Y. Casing or lining for tunnels	770,894	Sept. 27	3363	710 711	112	807
Dutton, John W., Duttons Landing, Cal. Ditching-machine	776,124	Nov. 29	5241	1107	113	1250
Dutton, John W., Duttons Landing, Cal. Ditching-machine	776,125	Nov. 29	5243	1107	113	1250
Duttweiler, John J., Findlay, Ohio. Barn construction	777,945	Dec. 30	2957	649 650	113	2099
Duval, Richard M., et al. (See Patten, James S., assignor.)						
Duval, Robert E., Washington, D. C. Cutting-tool	752,211	Feb. 16	2675	593	108	1672
Duval, Stephen A., Penrith, W. Va. Emergency car-brake	754,551	Mar. 15	2689	584	109	623
Duval, William S., Washington, D. C., assignor to Seng Company, Chicago, Ill. Lid-lifter for box-couches	773,721	Nov. 1	359	80 132	113	85
Duve, Herman J., Davenport, Iowa. Gearing for washing-machines	761,951	June 7	669	136	110	1586
Duvel, Bernard, C., and F., Cincinnati, Ohio. Tobacco-drier	770,742	Sept. 27	3052	649	112	738
Duvel, Charles. (See Duvel, Bernard, C., and F.)						
Duvel, Frederick. (See Duvel, Bernard, C., and F.)						
Dwight Slate Machine Company. (See Hinchey, Howard N., assignor.)						
Dwyer, Joseph D., Minooka, Ill. Discharging-chute for wagon-beds	777,084	Dec. 13	1246	274	113	1730
Dwyer, Madden and Company. (See Dwyer, Michael J., assignor.)						
Dwyer, Michael J., assignor to Dwyer, Madden and Company, Philadelphia, Pa. Canopy	767,513	Aug. 16	2803	586	111	1698
Dy Arman, George W., Indianapolis, Ind., assignor of one-half to J. Whitaker, Columbus, Ohio. Machine for molding artificial stone	774,571	Nov. 8	1987	432	113	458
Dy Arman, George W., and J. H. Perrin, Columbus, assignors to said Dy Arman, H. H. Dewey, Cleveland, and C. E. Bright, Columbus, Ohio. Corner-stay for boxes, &c.	760,974	May 24	4766	1014	110	1113
Dye, Glen M., assignor of one-fourth to E. C. Thiessen, Poynette, Wis. Bean-picker	762,157	June 7	1036	216 217	110	1663
Dye, Thomas J., assignor of one-fourth to J. H. Hines, Gloster, Miss. Railway-rail joint	751,483	Feb. 9	1291	234	108	1351
Dyer, Franklin G., Easton, Me. Table	765,567	July 19	3334	700	111	756
Dyer, Henry S., Detroit, Mich. Cutting-tool	770,273	Sept. 20	2167	451	112	523
Dyer, Henry S. (See Jones, John W., assignor.)						
Dyer, Henry S., Fremont, Ohio. Seed-planting device	752,661	Feb. 23	3570	795	108	1886

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Dyer, James M., Douglas City, Cal. Crushing and grinding mill.	762,580	June 14	1908	412	110	1871
Dyer, Patrick, Linwood, Ohio. Clamp for connecting railway-rails to railway-ties	776,807	Nov. 29	5576	1182	113	1326
Dyer, Warren C., St. Louis, Mo. Compositing machine.	752,051	Feb. 16	2381	532	108	1605
Dyett, James H., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Platen for type-writers or other machines.	766,332	Aug. 2	389	83	111	1126
Dyke, Eustace W., East Bridgewater, assignor of one-half to E. W. Walker, Brockton, Mass. Glove-fastener.	774,381	Nov. 8	1625	349	113	383
Dykman, George W. (See Flavell and Dykman.)						
Dynes, John H., Cleveland, Ohio. Advertising device.	755,221	Mar. 22	3933	871	109	909
Dyott, Charles G., New York, N. Y., assignor of one-half to T. K. McClung, Camden, N. J. Mechanism for the propulsion of vessels.	773,006	Oct. 25	3602	779	112	174
Dyreson, Anton, et al. (See Johnson, John H., assignor.)						
Dysart, Jay C., Harrisville, Ohio. Gate	760,782	May 24	4390	933 934	110	1034
Dysle, Charles A., Los Angeles, Cal., assignor to American Sugar Beet Implement Company, Butte, Mont. Beet-puller	755,118	Mar. 22	3746	823	109	871
Dyson, Eli, Manchester, England. Injector or burner for oil, liquid, or gaseous fuel	775,914	Nov. 29	4816	1020 1021	113	1152
Dysterud, Emil, Monterey, Mexico. Current-regulator	756,605	Apr. 5	738	171	109	1509
Dysterud, Emil, Monterey, Mexico. Clutch	771,771	Oct. 4	1079	242	112	1189
Dzink, Wladislaw, Duquesne, Pa. Window-lock	749,041	Jan. 5	981	207	108	229
E. Goldman & Company. (See Wright, Walter B., assignor.)						
E. Horton & Son Company. (See Rockwell and Horton, assignors.)						
E. Jenckes Manufacturing Company. (See Rowe, James E., assignor.)						
E. B. Eddy Company. (See Millen, Mousseau, and Raitt, assignors.)						
E. C. Atkins & Company et al. (See Dorsey, Robert L., assignor.)						
E. C. Atkins & Company. (See Meyer, Harry G., assignor.)						
E. C. Atkins & Company. (See Meyers, George, assignor.)						
E. C. Atkins & Company. (See Reppeto, Augustus O., assignor.)						
E. C. Atkins & Company. (See Wallace and Reed, assignors.)						
E. F. Caldwell & Company. (See Wagner, Charles, assignor.)						
E. J. Manville Machine Company. (See Campbell, Andrew C., assignor.)						
E. & T. Fairbanks & Company. (See Carr, Charles B., assignor.)						
E. & T. Fairbanks & Company. (See Fairbanks, Robert N., assignor.)						
E. & T. Fairbanks & Company. (See Heyer, Charles A., assignor.)						
E. & T. Fairbanks & Company. (See Romig, Robert W., assignor.)						
E. & T. Fairbanks & Company. (See Sargent, Willis H., assignor.)						
E. & T. Fairbanks & Company. (See Taylor, Frederick W., assignor.)						
E. W. Bliss Company. (See Beyer, Otto S., assignor.)						
E. W. Bliss Company. (See Leavitt, Frank M., assignor.)						
E. W. Bliss Company. (See Pollard, Charles E., assignor.)						
E. W. Bliss Company. (See Rigby, John J., assignor.)						
E. C. L. Syndicate. (See Sweetser, George, assignor.)						
Eader, William M., Middletown, Md. Electric-railway system	749,042	Jan. 5	982	208	108	229
Eager, Frank L., Waterbury, Conn. Mechanical movement.	771,864	Oct. 11	1281	287	112	1247
Eagle, Charles P., Newport News, Va. Rivet-marker	766,677	Aug. 2	1111	231	111	1288
Eagle Dental Manufacturing Company. (See Babcock, Lisle H., assignor.)						
Eagle Manufacturing Company. (See White, Raleigh P., assignor.)						
Eagle Pencil Company. (See De Long, Oscar A., assignor.)						
Eagle Pencil Company. (See Kraus, Samuel, assignor.)						
Eagle, Robert M., et al. (See Saxler, Nicolas A., assignor.)						
Eagon, Harvey, Newcomerstown, Ohio. Weather-stripping device.	754,857	Mar. 15	3291	717	109	753
Eames, George M., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Power-transmitter	759,166	May 3	1143	232 233	110	260
Earheart, Thomas M. D., Parkwood, Ala. Train-pipe coupling	771,540	Oct. 4	644	143	112	1096
Earl, Lewis F., assignor to C. Sander, Philadelphia, Pa. Lace-making stand or device	769,596	Sept. 6	878	189	112	198
Earl, Spencer D., Norristown, assignor of one-half to F. Herbert, Philadelphia, Pa. Fan	753,687	Mar. 1	901	204	109	195
Earle, Enoch, Worcester, Mass. Engine-lathe	758,028	May 3	48	9	110	15
Earle, George H., Jr., Bryn Mawr, and G. B. Shainline, Wayne, Pa. Hydraulic ram	753,560	Mar. 1	664	149	109	147
Earle, George H., Jr., Bryn Mawr, and G. B. Shainline, Wayne, Pa. Hydraulic ram	755,467	Mar. 22	4393	973	109	1006
Earle, Reginald W., Brooklyn, and N. Goodyear, Flushing, assignors to J. B. Colt Company, New York, N. Y. Signaling apparatus	749,815	Jan. 19	2579	549 550	108	612
Early, John. (See Souder and Early.)						
Early, John T., Philadelphia, Pa. Rotary engine	777,407	Dec. 13	1847	408	113	1852
Early, John T., Philadelphia, Pa. Rotary engine	775,212	Nov. 15	3338	712	113	785
Early, Noah, Jr., Chicago, Ill. Gate	774,052	Nov. 1	1034	221 222	113	233
Earnhart, John, Santa Paula, Cal. Pruning implement	776,828	Dec. 6	741	162	113	1590
Earnshaw, Edward H., and W. B. Gartley, assignors to United Gas Improvement Company, Philadelphia, Pa. Recuperative gas-retort setting	767,393	Aug. 9	2427	509	111	1596
Earthy, William A., Walthamstow, England. Pianoforte-action	762,864	June 14	2499	540	110	1999
Easley, Emzy W., Pleasureville, Ky. Gate	761,064	May 31	4980	1056	110	1178
Eason, George L. (See Ferguson and Eason.)						
Eason, George L., assignor of one-half to M. A. Lumbard, Des Moines, Iowa. Spectacle-holder	758,629	May 3	51	9	110	16
East Rockford Mantel Company. (See Person, William, assignor.)						
Easterling, John M. (See Harrison, Julian R., assignor.)						
Easterly, Mary A., Ava, Ill. Obstetrical device	778,644	Dec. 27	4384	947	113	2412
Eastern Fire Protection Company. (See Derby, John H., assignor.)						
Eastern Fire Protection Company. (See Fiske, Henry A., assignor.)						
Eastern Telephone Manufacturing Company. (See Lattig and Goodrum, assignors.)						
Eastman, Albert N., Chicago, Ill. Shears	777,056	Dec. 6	1195	280	113	1693
Eastman, George P., Toronto, Canada. Cloth-cutter	767,552	Aug. 16	2884	608	111	1717
Eastman Kodak Company. (See Brownell, Frank A., assignor.)						
Eastman Kodak Company. (See Cline, William B., assignor.)						
Eastman Kodak Company. (See Cummings, John S., assignor.)						
Eastman, Royal A. (See Tousey, Howard W., assignor.)						
Eastmore, Thomas, assignor of one-half to M. M. Freed, Jacksonville, Fla. Rotary motor	756,606	Apr. 5	788	171	109	1509
Eastmore, Thomas, and M. M. Freed, Jacksonville, Fla. Turbine	768,493	Aug. 23	4710	987	111	2145
Eastmore, Thomas, and M. M. Freed, Jacksonville, Fla. Turbine	768,493	Aug. 23	4713	988	111	2146
Easton and Burnham Machine Company. (See Easton, Robert B., assignor.)						
Easton, Carrie, San Francisco, Cal. Apparel-hanger	766,026	July 26	4258	910	111	966
Easton, John W., Chicago, Ill. Butter-mold	754,056	Mar. 8	1671	371	109	384
Easton, Orlando W., Chester, Ark. Folding crate	758,951	May 3	759	151	110	176

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Easton, Robert B., assignor to Easton and Burnham Machine Company, Pawtucket, R. I. Expanding mandrel for cone-winders	777,780	Dec. 20	2579	570	113	2023
Easton, Walter S., Elklick, Pa. Shot-feed apparatus for drilling-machines	753,379	Mar. 1	291	66	109	66
Eastwood, Arthur C., Cleveland, Ohio. System for the operation of electric motors	751,903	Feb. 9	2087	471	108	1524
Eastwood, Arthur C., Cleveland, Ohio. Magnetic clutch	754,291	Mar. 8	2108	468	109	478
Eastwood, Arthur C., Cleveland, Ohio. Rheostat	755,468	Mar. 22	4395	973	109	1007
Eastwood, Arthur C., Cleveland, Ohio. Electric controller	757,898	Apr. 19	3329	974	109	2096
Eastwood, Arthur C., Cleveland, Ohio. Friction driving mechanism	759,167	May 3	1145	233	110	260
Eastwood, Arthur C., Cleveland, Ohio. System for operation of magnetic clutches	761,459	May 31	5730	1232	110	1244
Eastwood, Arthur C., Cleveland, Ohio. Pump controller system	762,620	June 14	1094	429	110	1887
Eastwood, Arthur C., Cleveland, Ohio. Magnetically-operated switch	762,621	June 14	1987	429	110	1887
Eastwood, Arthur C., Cleveland, Ohio. Magnetic clutch	762,622	June 14	1989	430	110	1888
Eastwood, Arthur C., Cleveland, Ohio. Magnetic clutch	762,623	June 14	1992	431	110	1889
Eastwood, Arthur C., Cleveland, Ohio. Controlling system for electric motors	764,439	July 5	1080	221	111	240
Eastwood, Arthur C., Cleveland, Ohio. System of motor control	766,104	July 26	4498	943	111	998
Eastwood, Arthur C., Cleveland, Ohio. System of control for conveying-bridges	770,630	Sept. 20	2836	602	112	673
Eastwood, Arthur C., Cleveland, Ohio. Motor-controlling system	770,631	Sept. 20	2842	604	112	674
Eastwood, Arthur C., Cleveland, Ohio. Current-controlling system	772,377	Oct. 11	2149	470	112	1439
Eastwood, David S., assignor to United States Linen Company, Milbury, Mass. Drawing-off device for carding-engines	775,804	Nov. 22	4602	975	113	1089
Eaton, Asahel K., assignor of one-half to H. M. Eaton, New York, N. Y. Making metallic chromium	759,424	May 10	1731		110	412
Eaton, Charles T., East Somerville, Mass. Automatic danger-signal for elevator-gates	777,612	Dec. 13	2368	496	113	1940
Eaton, Clarence L., et al. (See Miller, Herbert A., assignor.)						
Eaton, Elmer E., Cambridge, and R. A. Fay, Boston, Mass. Cut-off valve for gas-pipes	762,890	June 21	2544	551	110	2029
Eaton, Hugh W. (See Eaton, Asahel K., assignor.)						
Eaton, James E., Collinsville, Conn. Edge-tool	769,858	Sept. 13	1384	295	112	333
Eaton, Joseph F., et al. (See Hjorth, Henry J., assignor.)						
Eaton, Joseph F. (See O'Brien, Thomas E., assignor.)						
Eaton, Joseph W. (See Carter and Eaton.)						
Eaton, Richard M., Philadelphia, Pa. Telephone system	773,007	Oct. 25	3603	779	112	1794
Eaton, William S., Sag Harbor, N. Y. Plate printing and embossing machine	752,052	Feb. 16	2382	532	108	1605
Eavenson, Francis V., St. Davids, Pa. Coaster-wagon	751,785	May 9	1852	422	108	1409
Eaves, Elam. (See Tonge and Eaves.)						
Eba, George M., Ashland, Ky. Bottle-holder	760,389	May 17	3579	755	110	839
Ebbecke, Albert. (See Rebetez, Augustus, assignor.)						
Ebel, John V., and W. J. Hudson, Pittsburg, Pa. Hot tube for gas-engines	776,586	Dec. 6	2398	53	113	1482
Ebeling, Phillip, Moundsville, W. Va. Glass-tank furnace	759,354	May 10	1600	322	110	382
Eberhard, Charles W., Chicago, Ill. Mechanism for holding electrotype-plates	757,603	Apr. 19	2794	611	109	1971
Eberhardt, August E., Cleveland, Ohio. Joist-hanger	755,153	Feb. 23	4350	968	108	2061
Eberhardt, John and H. Weghorst, Chicago, Ill. Steam-engine governor	764,661	July 12	1585	324	111	362
Eberhardt, William C., Sayre, Pa. Metallic rod-packing	754,981	Mar. 22	3518	770	109	819
Eberhart, Lloyd, Milwaukee, Wis. Collar-button	758,742	May 3	2394	66	110	82
Eberle, John A., St. Louis, Mo. Soap-hook	778,776	Dec. 27	4595	998	113	2461
Eberlein, Frederick, et al. (See Nostrand, Theodore D., assignor.)						
Eberstein, August, Winthrop, assignor of one-half to C. Brandt, Boston, Mass. Fountain-pen	764,237	July 5	656	132	111	146
Eberstein, August, Winthrop, assignor of one-half to C. Brandt, Boston, Mass. Fountain-pen	768,216	Aug. 23	4262	896	111	2040
Eberstein, August, Winthrop, assignor to C. and C. E. Brandt, Boston, Mass. Fountain-pen	771,360	Oct. 4	285	62	112	1022
Ebert, Adolf G. P., St. Clair, Mich. Game apparatus	750,271	Jan. 26	3439	742	108	815
Ebert, Ernestine, administratrix. (See Vogel, Carl.)	758,630	May 3	52	10	110	16
Ebert, Georg, Rixdorf, near Berlin, assignor to R. Piesbergen, Berlin, Germany. Manufacture of an artificial leather substitute	772,646	Oct. 18	2884		112	1620
Ebert, John S., and G. A. Tuckfield, Salt Lake City, Utah. Barber's cabinet	774,314	Nov. 8	1508	323	113	356
Ebinger, David A., Columbus, Ohio. Furnace	753,235	Mar. 1	65	17	109	16
Ebken, John G., Pittsburg, Pa. Vehicle-brake	761,460	May 31	5734	1232	110	1344
Ebken, John G., Pittsburg, Pa. Vehicle-brake	763,095	June 21	2937	632	110	2115
Eble, Frederick, and G. E. Martin, Norfolk, Va. Adjustable bracket for mirrors, &c.	763,380	June 28	3522	759	110	2267
Ebner, Leon, Philadelphia, Pa. Match-holder	752,443	Feb. 16	3137	697	108	1773
Ebner, Peter, Columbus, Ohio. Fire-shutter	763,281	June 23	3523	760	110	2267
Eby, Henry C., Jolley, Iowa. Gun-sight	752,962	Feb. 23	4180	932	108	2022
Eccles, Alfred L., Trenton, N. J. Sad-iron	755,567	Mar. 22	4651	1015	109	1044
Echt, Adolf B. von, Vienna, Austria-Hungary. Apparatus for filling casks or like vessels with liquids	766,433	Aug. 2	574	122	111	1165
Eck, Charles A., Belleville, N. J. Fan	751,484	Feb. 9	1292	295	108	1351
Eck, Charles A., Belleville, N. J. Driving mechanism	761,213	May 31	5259	1117	110	1238
Eck, Charles A., Belleville, N. J. Centrifugal separator	762,624	June 14	1994	431	110	1890
Eck, Charles A., Newark, N. J. Fan	751,485	Feb. 9	1294	295	108	1352
Eck, Joseph, Dusseldorf, Germany. Device for producing on textile fabrics a silky luster	755,469	Mar. 22	4397	974	109	1007
Eck, Lorenz, Dusseldorf, Germany. Calendering-machine	748,593	Jan. 5	74	20	108	18
Eck, Thomas W., assignor to A. T. Prescott, New York, N. Y. Bicycle amusement apparatus	762,232	June 7	1170	251	110	1694
Eck, Thomas W., assignor to A. T. Prescott, New York, N. Y. Amusement apparatus	764,800	July 12	1853	381	111	421
Eckard, Theodore, Baltimore, Md. Railway-switch	751,357	Feb. 2	1193	257	108	1399
Eckart, Edmund, New Rochelle, N. Y. Can	755,119	Mar. 23	3747	823	109	871
Eckart, Edmund, New Rochelle, N. Y. Easel-tray	771,467	Oct. 4	484	109	112	1061
Eckel, Homer C. (See Dixon, William H., assignor.)						
Ecker, Louis, assignor to H. Ecker & Sons, Chicago, Ill. Attachment for buttonhole-sewing machines	756,483	Apr. 5	582	122	109	1465
Ecker & Sons, H. (See Ecker, Louis, assignor.)						
Eckersley, Richard. (See Kershaw, Thomas, assignor.)						
Eckert, Edgar H. (See Putney, Eckert, and Putney.)						
Eckert, John, Danville, Pa. Lantern attachment	764,565	July 12	1377	281	111	317

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Eckert, Kunigunde. (See Herbst, Anton, assignor.)						
Eckhaus, Philip. (See Baynes, Frederick W., assignor.)						
Eckhoff, Barthel. (See Puffert and Eckhoff.)						
Eckle, William N. Madison Mills, Ohio. Cranes.	778,303	Dec. 27	4111	895	113	2363
Eckmann, Ernst, Berlin, assignor to M. Petersen, Friedrichsgabekoog, Schleswig-Holstein, Germany. Electric heater.	758,303	Apr. 26	4196	903	109	2298
Eckstein, Henry G., Chicago, Ill. Manufacture of packet-flats.	772,406	Oct. 28	2423	531	112	1520
Eckstorn, John, Baltimore, Md. Collar-button.	750,632	Jan. 26	4099	887	108	956
Eclipse Manufacturing Company. (See Kermath, James, assignor.)						
Economic Electric Company. (See Roberts, Isaiah L., assignor.)						
Economic Machinery Co. (See Woodland, Frank O., assignor.)						
Economic-Sanitary Company. (See Martin, Frank, assignor.)						
Economic Sewing Machine Company. (See Van Vechten, Orville R., assignor.)						
Eddelman, Fielding C., Greensburg, Ind. Knockdown box.	771,301	Oct. 4	158	35	112	995
Eddleman, Dudley E., assignor of three-fourths to H. McFarland and E. A. Frantz, Weatherford, Tex. Metal-shearing device.	766,941	Aug. 9	1683	353	111	1435
Eddy, Arthur D., et al. (See Johnson, Andrew, assignor.)						
Eddy, Ira W., Providence, R. I., assignor to G. C. Luther, Swansea, Mass. Combined sand-bank and scraper for vehicle-wheels.	760,685	May 24	4187	889	110	990
Eddy, Marie E., St. Louis, Mo. Soap-receptacle.	750,833	Feb. 2	101	24	108	1079
Eddy, Thomas R., assignor to Tengwall File & Ledger Company, Chicago, Ill. Transfer-binder.	775,104	Nov. 15	3083	655	113	728
Eddy, William L., Star, Tex. Cultivator.	754,130	Mar. 8	1813	403	109	417
Ede, George A., Cobden, Ill. Stapling-machine.	751,152	Feb. 2	675	155	108	1204
Ede, George A., Cobden, Ill. Stapling-machine.	761,365	May 31	5575	1187	110	1308
Edel, Lucas, assignor to Majestic Manufacturing Company, St. Louis, Mo. Adjustable water-tank for stoves or ranges.	749,542	Jan. 12	2058	427	108	482
Edelen, Frederick C., Kansas City, Mo., assignor to Crampton Farley Brass Co. Combined floor-drain and backwater-trap.	748,936	Jan. 5	744	162	108	169
Edeline, Henri, Paris, France. Trestle screw-jack.	758,431	Apr. 26	4443	955	109	2352
Edeline, Henri, Paris, France. Wheel-raiser.	778,179	Dec. 20	3408	745	113	2191
Edeline, Henri, Paris, France. Automatic carriage-jack.	778,645	Dec. 27	4394	947	113	2412
Edes, Edward A. (See Edes, John A., assignor.)						
Edes, John A., assignor of one-half to E. A. Edes, Newport, R. I. Non-refillable bottle.	759,597	May 10	2061	422	110	484
Edgar, Grant E. (See Cable and Edgar.)						
Edgar, Grant E., New Suffolk, assignor to Electric Boat Company, New York, N. Y. Safety device for automobile torpedoes.	755,769	July 26	3762	801	111	858
Edgar, Lottie E., Pittsburg, Pa. Comb.	754,206	Mar. 8	1952	434	109	447
Edgar, Lottie E., Pittsburg, Pa. Chataleine-bag.	754,207	Mar. 8	1953	435	109	447
Edgar, William K., assignor of one-fourth to J. W. French, Iola, Kans. Car-seal.	759,355	May 10	1601	322	110	388
Edgcomb, Bert. (See Edgcomb and Ellis.)						
Edgcomb, George E. and B., and W. D. Ellis, Buffalo, N. Y. Smoke-consuming furnace.	767,215	Aug. 9	2227	463	111	1552
Edge, Horace L. and W., New York, N. Y., assignors to Williams Wire Hinging Machine Company. Staple-making machine.	755,755	Mar. 29	4963	1104	109	1148
Edge, William. (See Edge, Horace L. and W.)						
Edgelow, Percy, London, England. Dental trough.	767,553	Aug. 16	2886	603	111	1717
Edgerton, George L., Raeford, N. C. Tie for cotton-bundles.	753,478	Mar. 1	477	112	109	104
Edgerton, George L., Raeford, N. C. Tie for cotton-bundles.	761,038	May 24	4923	1043	110	1145
Edgerton, Joseph J., Berwyn, Ill. Poultry-house.	752,765	Feb. 23	3757	888	108	1927
Edgington, George H., Waterloo, Iowa. Music-leaf turner.	756,944	Apr. 12	1451	322	109	1068
Edison Manufacturing Company. (See Edison, Thomas A., assignor.)						
Edison Storage Battery Company. (See Aylsworth, Jonas W., assignor.)						
Edison Storage Battery Company. (See Edison, Thomas A., assignor.)						
Edison, Thomas A., Llewellyn Park, N. J. Kinetoscopic film. (Reissue.)	12,192	Jan. 12	2370	500	108	549
Edison, Thomas A., Llewellyn Park, N. J. Compressing-dies.	754,755	Mar. 15	3084	674	109	709
Edison, Thomas A., Llewellyn Park, N. J. Separating ores from magnetic gangue.	754,756	Mar. 15	3086	674	109	709
Edison, Thomas A., Llewellyn Park, N. J. Stock-house conveyer.	758,432	Apr. 26	4445	955	109	2352
Edison, Thomas A., Llewellyn Park, N. J. Burning Portland-cement clinker, &c.	759,356	May 10	1603	323	110	388
Edison, Thomas A., Llewellyn Park, N. J. Apparatus for burning Portland-cement clinker, &c.	759,357	May 10	1609	323	110	388
Edison, Thomas A., Llewellyn Park, N. J. Magnetic separating apparatus.	759,358	May 10	1606	323	110	384
Edison, Thomas A., Llewellyn Park, N. J. Photographic film for moving-picture machines.	772,647	Oct. 18	2886	635	112	1620
Edison, Thomas A., Llewellyn Park, N. J. Vehicle-wheel.	772,648	Oct. 18	2887	635	112	1620
Edison, Thomas A., Llewellyn Park, N. J. Rotary cement-kiln.	775,600	Nov. 22	4206	886	113	1005
Edison, Thomas A., Llewellyn Park, N. J. Dry separator.	775,965	Nov. 29	4937	1043	113	1180
Edison, Thomas A., Orange, N. J. Electrical automobile.	750,102	Jan. 19	3132	672	108	729
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, Orange, N. J. Storage-battery.	754,858	Mar. 15	3292	717	109	753
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, Orange, N. J. Reversible galvanic battery.	754,859	Mar. 15	3294	717	109	754
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, Orange, N. J. Separating mechanically-entrained globules from gases.	764,183	July 5	542	107	111	120
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, Orange, N. J. Rendering storage-battery gases non-explosive.	767,554	Aug. 16	2887	603	111	1718
Edison, Thomas A., Llewellyn Park, assignor to Edison Manufacturing Company, Orange, N. J. Primary battery.	766,815	Aug. 9	1428		111	1378
Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, Orange, N. J. Apparatus for vacuously depositing metals.	767,216	Aug. 9	2228	464	111	1552
Edling, Sigurd, Boston, Mass. Hoisting mechanism.	772,138	Oct. 11	1861	413	112	1373
Edlund, Claus A., assignor of one-half to J. C. Anderson, Providence, R. I. Tool-holder.	759,083	May 3	983	199	110	223
Edlund, Claus A., assignor of one-half to E. Bernstrom, Providence, R. I. Vise.	776,126	Nov. 29	5944	1107	113	1250
Edmonds, Edward T., et al. (See Edmonds and Hoyt, assignors.)						
Edmonds, Walter S., Newton, and C. A. Hoyt, Boston, assignors to E. T. Edmonds, Newton, Mass., and J. Hoyt. Electric baker for surgical purposes.	775,105	Nov. 15	3085	655	113	728
Edmiston, Samuel J., Greenwich, N. Y. Making heads for brooms.	763,663	June 28	4048	882	110	2379
Edmonds, George S., Albany, N. Y. Fire-door for locomotives.	757,545	Apr. 19	2682	587	109	1945

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Edmonds, Jay D., assignor to Edmonds-Metzel Manufacturing Company, Chicago, Ill. Lock	756,899	Apr. 12	1247	278	109	1686
Edmonds-Metzel Manufacturing Company. (See Edmonds, Jay D., assignor.)						
Edmonds-Metzel Manufacturing Company. (See Metzel, William E., assignor.)						
Edmonds-Metzel Manufacturing Company. (See Search, Casper F., assignor.)						
Edmonds, Thomas H., Washington, D. C. Illuminated sign or number plate for automobile-lamps	749,779	Jan. 19	2521	536	108	599
Edmonds, William G. (See Higgins and Edmonds.)						
Edmondson, Alfred E., Chicago, Ill. Book cover and binding	765,290	July 19	2662	554	111	612
Edmonston, Alice G. (See Edmonston, Edwin W., assignor.)						
Edmonston, Edwin W., assignor of one-half to A. G. Edmonston, Washington, D. C. Copy-holder	772,793	Oct. 18	3187	694	112	1684
Edmunds, Charles P., Philadelphia, Pa. Game apparatus	753,561	Mar. 1	666	149	109	519
Edmunds, Henry. (See Gramm, Carl, assignor.)						
Edmunds, John, Waltham, Mass. Cloth-singeing machine	770,274	Sept. 20	2167	452	112	524
Edmunds, John M., New York, N. Y. Cartridge	750,623	Jan. 26	4099	888	108	936
Edmunds, John M., New York, N. Y. Primer	750,624	Jan. 26	4100	888	108	956
Edmondson, John A., Mitchellville, Iowa. Fountain	772,139	Oct. 11	1863	414	112	1374
Eduoard, Camille M., and C. Sorlin, Lyons, France. Jacquard apparatus for looms	732,830	Feb. 23	3888	872	108	1956
Edson, Eugene R., Cleveland, Ohio. Rendering or reducing apparatus	776,227	Nov. 29	5451	1154	113	1299
Edson, Joseph R. (See Cunningham, Clara H., assignor.)						
Edson, Joseph R., et al. (See Mankedick, Charles, assignor.)						
Edson, Joseph R., et al. (See Whitall, Frank M., assignor.)						
Edward Miller & Company. (See Herman, William C., assignor.)						
Edward Miller & Company. (See Perkins, Louis H., assignor.)						
Edwards, Arthur W., Sacramento, Cal. Drain-trap	772,091	Oct. 11	1774	394	112	1355
Edwards, Bertram F., San Francisco, Cal. Safety attachment for gas-cocks	757,652	Apr. 19	2903	632	109	1996
Edwards, Daniel R., Orange, Tex. Toothed bar for log-turners	759,685	May 10	2223	458	110	519
Edwards, Daniel R., Orange, Tex. Emergency stop-valve for stopping runaway carriages in sawmills	762,991	June 21	2723	591	110	2069
Edwards, Daniel W., assignor to Greenlee Brothers & Company, Chicago, Ill. Machine for sawing mining-timbers	753,688	Mar. 1	902	206	109	195
Edwards, Edgar A., Cincinnati, Ohio, assignor, by mesne assignments, to Metropolitan Trust & Savings Bank, trustee. Governor for high-speed engines	764,228	July 5	657	133	111	147
Edwards, Edgar A., Cincinnati, Ohio, assignor, by mesne assignments, to Metropolitan Trust & Savings Bank, trustee. Headlight for locomotives	764,229	July 5	659	133	111	147
Edwards, Edgar A., Cincinnati, Ohio, assignor, by mesne assignments, to Metropolitan Trust & Savings Bank, trustee. Wheel for steam-turbines	764,230	July 5	660	133	111	147
Edwards, Edward W., Cincinnati, Ohio. Sheet-metal-pipe machine	768,434	Aug. 23	4714	988	111	2146
Edwards, Eugene. (See Stephenson, William H., assignor.)						
Edwards, Frank E., Chelsea, assignor to F. B. Hopewell, Cambridge, Mass. Device for holding spring-actuated curtains	758,904	May 3	652	131	110	154
Edwards, Frank W., Logansport, Ind., assignor to Chicago Lubricator Company, Chicago, Ill. Auxiliary sight-feed for lubricators	755,120	Mar. 22	3748	823	109	871
Edwards, George W., London, England. Device for connecting metal plates	760,321	May 17	3469	728	110	812
Edwards, Harry M., and A. C. Rantsch, New York, assignors to W. Vogel & Brothers, Brooklyn, N. Y. Oil- or oil-can	759,976	May 17	2803	586	110	666
Edwards, J. W., et al. (See Fields, Moses M., assignor.)						
Edwards, James, Peru, Ill. Domestic boiler	760,322	May 17	3461	729	110	812
Edwards, James B., Columbia, S. C. Slide-valve	771,132	Sept. 27	3838	810	112	913
Edwards, James M., New York, N. Y. Conveyor	763,298	June 21	3267	734	110	2189
Edwards, James M., Morris Park, N. Y. Can closure and spout	764,566	July 12	1376	281	111	317
Edwards, Jennie A., San Francisco, Cal. Heating device	754,982	Mar. 23	3520	770	109	820
Edwards, John C., Brookline, assignor to Draper Company, Hopedale, Mass. Filling-feeder mechanism for automatic looms	753,054	Feb. 23	4351	968	108	2061
Edwards, John C., Brookline, assignor to Draper Company, Hopedale, Mass. Shuttle-checking means for looms	778,646	Dec. 27	4335	948	113	2413
Edwards, John C., Brookline, Mass., assignor to Draper Company, Portland, Me., and Hopedale, Mass. Clamping device for heddle bars or supports	753,380	Mar. 1	293	67	109	66
Edwards, John C., Brookline, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for rotatable spindles	772,559	Oct. 18	2723	598	112	1586
Edwards, John C., Brookline, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for rotatable spindles	773,554	Nov. 1	43	9	113	14
Edwards, John R. (See O'Neel and Edwards.)						
Edwards, Luke. (See Edwards, Thomas and L.)						
Edwards, Nathaniel, Knightstown, Ind. Hydrocarbon-burner	768,525	Aug. 23	4884	1024	111	2181
Edwards, Nora C., Spooner, Wis. Waist-lengthener	749,543	Jan. 12	2059	425	108	482
Edwards, Oliver M., Syracuse, N. Y. Window	768,935	Aug. 30	5749	1208	111	2393
Edwards, Oliver M., Syracuse, N. Y. Window	771,133	Sept. 27	3839	811	112	913
Edwards, Richard J., Galena, Ill. Derailment-guard	777,189	Dec. 13	1429	316	113	1759
Edwards, Richard J., Galena, Ill. Derailment-guard	777,190	Dec. 13	1430	316	113	1759
Edwards, Richard R., Galena, Ill. Adjustable display-rack	764,046	July 5	265	49	111	61
Edwards, Samuel, assignor to himself, G. F. Jones, and W. Schnurr, New York, N. Y. Side gage	773,487	Oct. 25	4755	1003	112	2052
Edwards, Thomas. (See Roger, John, assignor.)						
Edwards, Thomas and L., Ironhill, Iowa. Automatic vehicle-brake	763,739	June 28	4196	914	110	2411
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Feed device for gas-producers	756,945	Apr. 12	1453	322	109	1668
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for billet-heating furnaces	756,946	Apr. 12	1457	322	109	1669
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for cutting metal bars	757,604	Apr. 19	2795	611	109	1971
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rod or wire reeling or coiling device	760,323	May 17	3462	729	110	812
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill	760,858	May 24	4538	967	110	1065
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Traveling crane	761,154	May 31	5155	1094	110	1215
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill	766,484	Aug. 2	579	123	111	1166

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Edwards, Walter, Milford, England. Ventilator.....	774,053	Nov. 1	1086	222	113	234
Edwards, William D., Boston, Mass. Engine.....	760,062	May 17	2966	618 619	110	703
Edwards, William H., Terre Haute, Ind. Door-opener.....	767,555	Aug. 16	2888	604	111	1718
Edwards, William S., Chicago, Ill. Flexible drop-light tubing for gas lamps and burners.	758,054	Apr. 26	3688	801	109	2187
Edwin Harrington, Son and Company. (See Mullen, Peter, assignor.)						
Edwin Harrington, Son and Company. (See Scott, Robert F., assignor.)						
Edwin J. Toof Company. (See Toof, Edwin J., assignor.)						
Edwins, David, Boone, Iowa. Pipe-threader.....	775,721	Nov. 22	4446	940	113	1056
Efaw, John W., Seattle, Wash. Bed-bottom.....	768,791	Aug. 30	5446	1147	111	2323
Effenberger, Augustus F. (See Effenberger, Joseph D., R. A., and A. F.)						
Effenberger, Joseph D., R. A., and A. F., Orange, N. J. Cork-extractor.....	773,857	Nov. 1	641	136	113	149
Effenberger, Romie A. (See Effenberger, Joseph D., R. A., and A. F.)						
Etfotie, Freda A., Chicago, Ill. Apparatus for binding loose leaves.....	767,106	Aug. 9	2008	418	111	1507
Egan, Francis L., Indianapolis, Ind. Apparatus for cleaning boilers.....	762,625	June 14	1996	432	110	1890
Egan, John J. (See Hean and Egan.)						
Egan, Thomas, assignor of one-half to J. G. Dermody, Muscatine, Iowa. Trolley-harp.....	773,280	Oct. 25	4326	914	112	1961
Egermayer, Edward L., Pisek, N. D. Door and seat lock mechanism for automobiles.....	776,015	Nov. 29	5058	1062 1063	113	1204
EGGE, Frederick, Bridgeport, Conn. Steam-engine.....	775,527	Nov. 22	4021	848	113	964
EGGE, Frederick, assignor to Smith & EGGE Manufacturing Company, Bridgeport, Conn. Machine for cutting out sheet-metal blanks for chain-links.....	757,028	Apr. 12	1630	354 355	109	1704
EGGE, Frederick, assignor to Smith & EGGE Manufacturing Company, Bridgeport, Conn. Machine for making sheet-metal chain.....	757,029	Apr. 12	1633	355 356	109	1705
EGGE, Nels E., Welcome, Minn. Cooling means for gas-engine cylinders and pistons.....	767,556	Aug. 16	2890	604	111	1718
EGGE, Nils N., Joice, Iowa. Draft-qualifier.....	775,748	Nov. 22	4493	952	113	1066
Eggeman, Moriz. (See Voellner and Devaux, assignors.)						
Eggers, Anton C., New York, N. Y., assignor to Goodyear's India Rubber Glove Manufacturing Co., Naugatuck, Conn. Holder for the stoppers of water-bottles.....	748,937	Jan. 5	745	162	108	169
Eggers, Anton C., New York, N. Y., assignor to Goodyear's India Rubber Glove Manufacturing Co., Naugatuck, Conn., and New York, N. Y. Bed-pan.....	750,103	Jan. 19	3134	673	108	730
Eggers, Anton C., New York, N. Y., assignor to Goodyear's India Rubber Glove Manufacturing Co., Naugatuck, Conn., and New York, N. Y. Throat-bag.....	750,104	Jan. 19	3134	673	108	730
Eggers, Anton C., New York, N. Y., and E. Stahl, assignors to Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Surgical operating cushion.....	759,084	May 3	984	200	110	224
Eggersgluss, Heinrich, Dresden, Germany. Attachment for account-books.....	776,651	Dec. 6	368	79	113	1509
Eggleston, Charles H., C. F. Hardy, and V. Lepper; said Eggleston assignor to E. J. Kirby, Marshall, Mich. Vending-machine.....	756,947	Apr. 12	1459	323	109	1669
Eggleston, James W., Chicago, Ill., assignor of one-third to S. Stillwell & Company, New York, N. Y. Printer's ink-fountain.....	763,866	June 28	4446	968	110	2464
Egly, John C., Philadelphia, Pa., assignor to Keystone Knitting Machine Company. Knitting-machine needle.....	749,686	Jan. 12	2308	487	108	535
Egly, John C., Philadelphia, Pa., assignor to Keystone Knitting Machine Manufacturing Company. Knitting-machine needle.....	773,722	Nov. 1	361	80	113	86
Egolf, Edgar L., Harrisburg, Pa. Machine for grinding lenses.....	774,745	Nov. 15	2358	510	113	561
Ehret, Cornelius D., Ardmore, Pa., assignor, by mesne assignments, to International Wireless Telegraph Company. Wireless signaling system.....	775,292	June 14	1316	282	110	1746
Ehlers, Louis H. (See Kiesewetter and Ehlers.)						
EHMAN, Samuel, assignor of two-thirds to I. Mattson and P. J. Mellon, Philadelphia, Pa. Soap-holder for shaving-cups.....	776,896	Dec. 6	874	188	113	1619
Ehrenfeld, Charles, Pasadena, Cal. Fastening device for implements.....	764,283	July 5	750	153	111	166
Ehresman, Otto, et al., executors. (See Deutscher, Henry P.)						
Ehret, Cornelius D., Ardmore, Pa., assignor, by mesne assignments, to International Wireless Telegraph Company. Wireless signaling system.....	749,370	Jan. 12	1684	358	108	408
Ehrhardt, Gustav, Eisenach, Germany. Gun carriage or mounting.....	751,840	Feb. 9	1968	447	108	1495
Ehrhardt, Otto P. W., Seattle, Wash. Mail-bag catcher.....	752,334	Feb. 16	2924	653	108	1728
Ehrhardt, William, assignor of nine-twentieths to W. C. Kroebel, North Bergen, N. J. Candle.....	768,425	Aug. 23	4718	989	111	2147
Ehrlich, John B., Indianapolis, Ind. Combination-lathe.....	758,514	Apr. 26	4599	990	109	2388
Ehrlich, Leo. (See Fassett, Francis K., assignor.)						
Ehrlich, Leo. (See Rabich, Rein, and Ehrlich.)						
Ehrlich, Leo. (See Rein, Gustavus, assignor.)						
Ehrlich, Leo, St. Louis, Mo. Register.....	769,893	Sept. 13	1434	307	112	341
Ehrmantraut, William G. (See Grosjean and Ehrmantraut.)						
Eich, Albert A., New Munich, Minn. Wedge.....	759,868	May 17	2595	542	110	617
Eichberg, Friedrich. (See Winter, Eichberg, and Alexander.)						
Eichblatt, Otto H., Skidmore, Tex. Work-holder.....	767,876	Aug. 16	3500	740	111	1851
Eichen, Isaac, Georg. (See Sandman and Eichenbaum.)						
Eichengrün, Arthur, Elberfeld, and A. Braun, Mülhausen, Germany, assignors to Farbenfabriken of Elberfeld Co., New York, N. Y. Sensitive photographic emulsion.....	752,388	Feb. 16	3028	.....	108	1750
Eichhart, Sylvain, St. Fons, near Lyons, assignor to Société Chimique des Usines du Rhône, Ancienennement Gillard, P. Monnet et Cartier, Lyons, France. Printing compound of orthionitrophenyl lactoketone.....	772,560	Oct. 18	2725	.....	112	1585
Eichhorn, Charles J., assignor to Tea Tray Company, Newark, N. J. Horn-support for talking-machines.....	763,096	June 21	2937	693	110	2115
Eichler, John H., and J. Becker, San Francisco, Cal. Acetylene-gas generator.....	765,071	July 12	2389	497	111	535
Eichmleier, Conrad H., and H. Auran, Pearl City, Ill. Sickie-holder.....	773,131	Oct. 25	3998	847	112	1888
Eichner, William H. (See Teller, Lorenzo D., assignor.)						
Eichwede, Heinrich. (See Merling and Eichwede.)						
Eick, Otto, Baltimore, Md. Bottle-closure.....	756,343	Apr. 5	302	62	109	1406
Eickemeyer, Carl, et al., executors. (See Eickemeyer, Rudolf.)						
Eickemeyer, Mary T., et al., executors. (See Eickemeyer, Rudolf.)						
Eickemeyer, Rudolf, deceased, Yonkers, N. Y., R. J., Jr., C., and M. T. Eickemeyer, executors. Means for variably operating and controlling electric motors.....	757,394	Apr. 12	2361	514 515	109	1861
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-fastener.....	749,430	Jan. 12	1798	379	108	425
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-fastener.....	749,431	Jan. 12	1804	379 380	108	427
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-frame handle.....	749,432	Jan. 12	1809	380	108	428
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Box.....	749,439	Jan. 12	1830	401	108	453
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Box.....	753,381	Mar. 1	296	67	109	67
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Box.....	761,461	May 31	5734	1228	110	1345
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-frame.....	763,740	June 28	4198	915	110	2411
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-fastener.....	767,044	Aug. 9	1866	392	111	1477
Eigen, Benno vom, assignor to A. Goertz & Co., Newark, N. J. Bag-fastener.....	767,045	Aug. 9	1870	392	111	1478

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Eigen, Benno vom, Newark, N. J., assignor to A. Goertz & Co. Handle attachment or fastener for bag-frames	778,231	Dec. 27	3497	769	113	2230
Eihstalt, Fred. (See Gates and Eihstalt.)						
Eilertsen, Lucien, Paris, France. Rendering denture-plates, &c., antiseptic	749,276	Jan. 12	1492		108	359
Eilertsen, Lucien, Paris, France. Making dental plates	761,153	May 31	5138	1095	110	1216
Eimer & Amend. (See Broestler, Herman E., assignor.)						
Eimer and Amend. (See Howe, Henry M., assignor.)						
Eimer & Amend. (See Seward, George O., assignor.)						
Eimer & Amend. (See Wiegand, Wilhelm T., assignor.)						
Elmer, Ernest, Muskegon, Mich. Optical testing instrument	767,334	Aug. 9	2429	510	111	1507
Einarson, Luther, Seattle, Wash. Means for facilitating casting and drawing fish-nets	748,710	Jan. 5	298	67	108	66
Einfield, Emil, Davenport, Iowa, assignor to Bettendorf Metal Wheel Company. Traction-wheel	775,805	Nov. 22	4604	976	113	1090
Einfield, Emil, Davenport, Iowa, assignor to Bettendorf Metal Wheel Company. Spring-wheel	775,806	Nov. 22	4605	976	113	1090
Einfield, Emil, assignor to Bettendorf Metal Wheel Company, Davenport, Iowa. Metallic wagon-frame	775,807	Nov. 22	4606	977	113	1090
Einfield, Emil, Davenport, Iowa, assignor to Bettendorf Metal Wheel Company. Furnace for heating spokes, &c.	776,780	Dec. 6	625	137	113	1564
Einfeldt, Emil, Davenport, Iowa, assignor to Bettendorf Metal Wheel Company. Device for forming shoulders on spokes	778,180	Dec. 20	3409	749	113	2192
Einfeldt, Emil, Davenport, Iowa, assignor to Bettendorf Metal Wheel Company. Device for excluding dust from bearings	778,181	Dec. 20	3411	749	113	2192
Einstein, Alfred C., St. Louis, Mo. Acetylene-gas generator	752,053	Feb. 16	2387	533	108	1606
Eipp, William J., Syracuse, N. Y. Cleaner for brick or tile cutting machines	751,269	Feb. 2	932	211	108	1255
Eisbrenner, Frank. (See Jansen and Eisbrenner.)						
Eisenman, Max, et al. (See Moses, Harry S., assignor.)						
Eisemann, Nathan, et al. (See Moses, Harry S., assignor.)						
Eisemann, Ernst, Stuttgart, Germany. Sparking igniter	772,649	Oct. 18	2889	635	112	1621
Eisenhardt, David, and G. Stoehr, New York, N. Y. Paper box	774,981	Nov. 15	2847	607	113	674
Eisenhauer, William, Spokane, Wash. Baling-press	762,395	June 14	1501	327	110	1784
Eisenhuth, Oscar, assignor to American Pipe & Hose Coupler Company, Detroit, Mich. Pipe-coupling	768,589	Aug. 23	4530	953	111	2098
Eisenmann, Carl W., Julian, Nebr. Guard for incandescent lamps	765,568	July 19	3336	700	111	756
Eisenstein, Israel, New York, N. Y. Musical cane or sounding device	751,153	Feb. 2	678	155	108	1204
Eisner, Gustav, and F. Wörz, Munich, Germany. Malt-turning apparatus	766,230	Aug. 2	171	31,32	111	1079
Eisold, Gustav, Wilson, assignor of one-half to F. C. Runge, Sheboygan, Wis. Stock brooding and nursing apparatus	769,942	Sept. 13	1538	328	112	964
Ek, Arvid, Portland, Me. Water-closet bowl	751,370	Feb. 2	934	212	108	1256
Ek, Emil, assignor to Adde & Company, Portland, Me. Measuring-machine or meter	766,942	Aug. 9	1685	354	111	1436
Ekeberg, Albert, Minneapolis, Minn. Signal for the deaf	775,079	Nov. 15	3040	645	113	719
Ekel, Henry S., Stockton, Cal. Endless-chain sickle for headers, mowers, &c.	764,567	July 12	1379	281	111	318
Ekenberg, Birger, New York, N. Y. Feed-water heater	773,182	Oct. 25	4000	847	112	1889
Ekenberg, Martin, assignor to M. Ekenbergs Aktiebolag, Stockholm, Sweden. Apparatus for evaporating liquids	764,995	July 12	2238	463	111	505
Ekenberg, Martin, assignor to Martin Ekenbergs Aktiebolag, Stockholm, Sweden. Vacuum apparatus	774,054	Nov. 1	1037	222	113	234
Ekenbergs Aktiebolag, M. Ekenberg, Martin, assignor.)						
Eckholm, Charlotte C. Rockford, Ill. Wood-carrier	778,535	Dec. 27	4112	896	113	2363
Eklund, Isak I., Stockholm, Sweden. Cheese-holder	750,756	Jan. 26	4383	947	108	1021
Eklundh, John G. G., Stockholm, Sweden, assignor to C. R. Hutton, Orange, and R. F. Heiles, Newark, N. J. Temporary binder	771,974	Oct. 11	1514	341	112	1205
Ekman, Edward, and N. H. C. Phil, Minneapolis, Minn. Locking device for umbrellas	760,678	Aug. 2	1113	293	111	1288
Eksröm, Arthur W., Stockholm, Sweden. Heater for water	755,366	Mar. 22	4307	931	109	969
Ekvall, Peter, Boston, Mass. Abrading device	753,251	Mar. 1	67	17	109	17
Elam, William E., Atlanta, Ga. Baling-press	751,486	Feb. 9	1296	295	108	1353
Elam, William E., Atlanta, Ga. Baling-press	751,487	Feb. 9	1298	296	108	1353
Elam, William E., Columbus, Ga. Baling-press	769,154	Sept. 6	81	7,8	112	9
Elam, William E., Columbus, Ga. Press	769,597	Sept. 6	880	190	112	199
Elb, Max, Dresden, Germany. Preparing alimentary yeast extracts	748,711	Jan. 5	299		108	66
Elbel, Karl, assignor to Kalle and Company, Biebrich, Germany. Beta-naphthol azo dye and making same	778,476	Dec. 27	4014		113	2341
Elbel, Karl, assignor to Kalle and Company, Biebrich, Germany. Monochloro alpha-naphthol and making same	778,477	Dec. 27	4015		113	2341
Elbel, Karl, assignor to Kalle and Company, Biebrich, Germany. Blue sulfur dye and making same	778,478	Dec. 27	4016		113	2341
Elcock, John, Columbus, Ga. Brick-kiln	767,637	Aug. 16	3052	687	111	1754
Elden, Leonard L., Boston, assignor of one-half to S. B. Condit, Jr., Somerville, Mass. Circuit-breaker	756,344	Apr. 5	304	63	109	1408
Elden, Leonard L., Dorchester, assignor of one-half to S. B. Condit, Jr., Somerville, Mass. Circuit-breaker	756,782	Apr. 5	1130	248	109	1585
Elder, Daniel M., Eldorado, Kans. Air-brake attachment	772,227	Oct. 11	2045	449	112	1413
Elder, David D., Jr., assignor of one-half to M. W. Kellogg & Company, New York, N. Y. Perforated radial bridle	776,127	Nov. 29	5246	1108	113	1251
Elder, H. S., et al. (See Welsh, Hamilton E., assignor.)						
Elder, John, Corona, N. Y. Pipe-reaming device	765,193	July 12	2489	520 521	111	557
Elder, John E. (See Curtis, Frederic A., assignor.)						
Elder, John K. (See Carlisle and Elder.)						
Elder, John R., assignor of one-half to L. D. Hagerty, Columbus, Ohio. Lock-nut and bolt	777,085	Dec. 13	1248	274	113	1721
Elder, Samuel S., Springfield, Ill. System of railway construction	759,252	May 10	1388	277	110	337
Elder, Samuel S., Springfield, Ill. Animal-trap	774,164	Nov. 8	1233	263	113	295
Elderkin, Charles W., assignor of one-half to E. D. Elderkin, Butte, Mont. Stovepipe-holder	755,641	Mar. 29	4731	1050	109	1093
Elderkin, Edwin D. (See Elderkin, Charles W., assignor.)						
Eldred, John A., New York, assignor of one-half to S. Noonan, Brooklyn, N. Y. Advertising-vehicle	771,617	Oct. 4	784	173 174	112	1126
Eldredge, Alva R., Midland, Tex. Pencil-holder	769,067	Aug. 30	6016	1260	111	2450
Eldredge, William A., et al. (See Cortie, John C., assignor.)						
Eldridge, Edgar S. (See Miller, John C., assignor.)						
Eldridge, Herbert M., Niagara Falls, Canada, assignor to Niagara Falls Metal Stamping Works, Niagara Falls, N. Y. Harness-hook	766,140	July 26	4479	960	111	1014

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Eldridge, Martha. (See Clark, Daniel J., assignor.)						
Eldridge, Reuben C., Niagara Falls, Canada. Snap-hook	756,607	Apr. 5	789	172	109	1509
Electra Manufacturing Company. (See Feldkamp, Frederick A., assignor.)						
Electric Auto Chair Company. (See Scott, Semple S., assignor.)						
Electric Billiard Register Company. (See Hotchkiss, Porter S., assignor.)						
Electric Boat Company. (See Bedell and Bailey, assignors.)						
Electric Boat Company. (See Brady, Francis W., assignor.)						
Electric Boat Company. (See Cable, Frank T., assignor.)						
Electric Boat Company. (See Cable and Edgar, assignors.)						
Electric Boat Company. (See Cable and Spear, assignors.)						
Electric Boat Company. (See Edgar, Grant E., assignor.)						
Electric Boat Company. (See Spear, Lawrence Y., assignor.)						
Electric Car Lighting Company. (See Lyndon, Lamar, assignor.)						
Electric Contract Company. (See Gill, Edwin R., assignor.)						
Electric and Dental Specialty Company. (See Price, Weston A., assignor.)						
Electric Furnace Company. (See Conley, Michael R., assignor.)						
Electric Gas Lighting Company. (See Thomson, Henry C., assignor.)						
Electric Indicator Company. (See Keen, Jefferson D., assignor.)						
Electric Metal Working Company. (See Coffin, Charles L., assignor.)						
Electric Motor & Equipment Co. (See Jaehung, Paul H., assignor.)						
Electric-Railway Signal Company. (See Chapman, Winthrop M., assignor.)						
Electric Specialty Co. (See Kimbark, Daniel A., assignor.)						
Electric & Steam Ry. Supply Co. (See Hoffman and Powers, assignors.)						
Electric & Steam Ry. Supply Company. (See Hoffman, William W., assignor.)						
Electric Storage Battery Co. (See Madden, Albert F., assignor.)						
Electric Storage Battery Company. (See Achard, John W., assignor.)						
Electric Storage Battery Company. (See Entz, Justus B., assignor.)						
Electric Storage Battery Company. (See Smith, Edward W., assignor.)						
Electric Thermo-Vibra Co. (See Ward, Arthur, assignor.)						
Electric and Train Lighting Syndicate. (See Deutsch, Isidor, assignor.)						
Electric Typewriter Company. (See Kitzmiller, George M., assignor.)						
Electric Typewriter Company of Norfolk. (See Kitzmiller, George M., assignor.)						
Electric Vehicle Company. (See Maxim, Hiram P., assignor.)						
Electric Vehicle Company. (See Pope, Harry M., assignor.)						
Electric Vehicle Company. (See Splittorf, Charles F., assignor.)						
Electric Vehicle Company. (See Ward, George A., assignor.)						
Electrical Purifying Company. (See Werner, Ernest E., assignor.)						
Electro Dynamic Company. (See Platscher, Mathias, assignor.)						
Electro-Mechanical Specialty Company. (See Fergusson, Alan R., assignor.)						
Electro-Surgical Instrument Company. (See Houghton, Thomas A., assignor.)						
Elektrogrävure, Gesellschaft mit Beschränkter Haftung. (See Philipp, Otto, assignor.)						
Elektrogrävure, Gesellschaft mit Beschränkter Haftung. (See Philipp and Trentzsch, assignors.)						
Elektromilitära Aktiebolaget. (See Hjorth, Walter A. W. E., assignor.)						
Elektromilitära Aktiebolaget. (See Holmström, Johan G., assignor.)						
Elers, Karl F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector-rings and brush-holders	758,681	May 3	52	10	110	16
Elfborg, Henry G., Chicago, Ill. Switch-rock mechanism	758,591	Aug. 30	5055	1061	111	2327
Elfborg, Henry G., Chicago, Ill. Switch-rock mechanism	758,592	Aug. 30	5057	1061	111	2327
Elfstrand, Mårten, Upsala, Sweden. Drop-stopper for bottles or the like	772,707	Oct. 18	3020	663	112	1649
Elfstrand, Mårten, Upsala, Sweden. Bottle-closure	772,708	Oct. 18	3021	663	112	1649
Elfstrand, Mårten, Upsala, Sweden. Stopper for bottles	775,899	Nov. 22	4775	1011	113	1125
Elftman, Arthur H., et al. (See Gerdes, Henry A., assignor.)						
Elgen, Magnus P., Wrenshall, assignor of part to A. Johnson, J. H. Strand, Duluth, and L. Ferguson, St. Paul, Minn. Automatic lubricator	776,308	Nov. 29	5578	1182 1183	113	1327
Elgin Suction Washer Company. (See Hamm and Bruckner, assignors.)						
Eli Lilly & Company. (See Jacobs, William L., assignor.)						
Elias, Joseph, Philadelphia, Pa., assignor to Moss Rose Mfg. Co. Double-faced woven fabric	772,709	Oct. 18	3023	664	112	1649
Eliel, Albert L., et al. (See La Burt and Campbell, assignors.)						
Eliel, Albert L., Parlin, N. J. Closure for grain-receptacles	755,859	Mar. 29	5173	1145	109	1198
Eliel, Albert L., Parlin, N. J., and J. La Burt, New York, N. Y., assignors to themselves, and C. D. Bradley, Parlin, N. J. Wrench	753,862	Mar. 8	1299	292	109	800
Elieson, Chaimsonovitz P., Paris, France. Electric accumulator-plate	755,642	Mar. 29	4721	1050	109	1098
Elieson, Chaimsonovitz P., Paris, France. Making electric accumulator-plates	755,643	Mar. 29	4722	1050	109	1098
Elieson, Chaimsonovitz P., and V. de Bobinsky, Paris, France. Electrical accumulator. (Reissue)	12,195	Jan. 26	4460	960	108	1088
Elizman, Theodore, J. T. Cunningham, Corinth, and G. F. Shevlin, Saratoga Springs, N. Y. Core for paper-rolls	759,085	May 3	986	200	110	224
Elker, Joseph B., and J. F. Tobin, Pittsburg, Pa. Trolley	775,608	Nov. 22	4609	977	113	1091
Elkin, Charles F., assignor of two-thirds to M. R. Elkin, Jersey City, N. J. Mouth-piece for pipes or cigar-holders	767,804	Aug. 16	3342	707	111	1819
Elkin, Margaret R. (See Elkin, Charles, Jr., assignor.)						
Elkins, John P. (See Myers, McClelland, assignor.)						
Ellenberger, Walter E., Westpark, Ohio. Car for drying concrete building-blocks	764,184	July 5	545	1107 1108	111	120
Ellery, Robert L., Portsmouth, N. H. Roller-bearing	768,217	Aug. 23	4202	896	111	2040
Elliott, Walter M., and R. M. Vick, Alliance, Ohio. Credit-accounting appliance	772,407	Oct. 18	2426	532	112	1521
Elcott, Charles E., and J. B. Norris, Baltimore, Md. Crank and crank-shaft mechanism	749,277	Jan. 12	1493	318	108	359
Elliott, Charles E., and J. B. Norris, Baltimore, Md. Interchangeable hand and motive power mechanism	749,278	Jan. 12	1494	318	108	359
Elliott, Charles E., and J. B. Norris, Baltimore, Md. Combined hand and motive power wrench	749,279	Jan. 12	1496	319	108	360
Elliott, Charles E., and J. B. Norris, Baltimore, Md. Interchangeable hand and motive power mechanism	754,757	Mar. 15	3087	674	109	710
Ellington, Harvey E., et al. (See Lourie, Herbert M., assignor.)						
Ellinwood, Augustus E., Akron, Ohio. Machine for inserting transverse wires in solid-rubber tires	754,552	Mar. 15	2690	584 585	109	624
Ellis, Henry, Jr., St. Louis, Mo. Adjustable switch-rod	735,471	Mar. 22	4400	975	109	1008
Elliott, William H. H., East St. Louis, Ill. Continuous-railway-crossing frog	768,171	Aug. 23	4170	877	111	2020
Elliott, Alexander D., Viola, Ill. Pump	760,324	May 17	3465	729 730	110	813
Elliott Company. (See Elliott, Sterling, assignor.)						
Elliott, David W., and J. B. Ruby, Newcastle, Pa. Air-pipe-coupling pressure-relief valve	756,484	Apr. 5	585	123	109	1465
Elliott, Elias L., assignor to Illuminating Engineering Company, New York, N. Y. Electric lamp	768,847	Aug. 30	5578	1171	111	2332

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Elliott-Fisher Company. (See Anderson, George S., assignor.)						
Elliott-Fisher Company. (See Eutinger, Martin J., assignor.)						
Elliott-Fisher Company. (See Halle, Hiram J., assignor.)						
Elliott-Fisher Company. (See Jarman, Alfred R., assignor.)						
Elliott-Fisher Company. (See Laganke, Charles F., assignor.)						
Elliott-Fisher Company. (See Smith, John A., assignor.)						
Elliott-Fisher Company. (See Twining, William A., assignor.)						
Elliott-Fisher Company. (See Ziegler, Joram, assignor.)						
Elliott, George C., assignor of one-half to L. O. Tafel, Brooklyn, N. Y. Vending apparatus	778,479	Dec. 27	4017	874	113	2341
Elliott, George C., assignor of one-half to L. O. Tafel, Brooklyn, N. Y. Vending apparatus	778,480	Dec. 27	4018	874	113	2341
Elliott, James A. R., Kansas City, Mo. Ear-drum protector	750,625	Jan. 26	4101	888	108	956
Elliott, Jonathan R., and G. L. Kelly; said Kelly assignor to N. R. Elliott, Topeka, Kans. Portable folding window-scaffold	751,620	Feb. 9	1548	352	108	1406
Elliott, John, Martinsville, Ill. Flood-fence	777,613	Dec. 13	2270	498	113	1941
Elliott, John A., assignor of one-half to G. E. De Snell, Butte, Mont. Water-elevator	763,051	June 21	2853	617	110	2098
Elliott, Lucius J., and J. Reichert, Racine, Wis. Driving-bit	774,035	Nov. 1	1039	232	113	234
Elliott, Mary J., Port Huron, Mich. Corset	755,470	Mar. 22	4399	974	109	1008
Elliott, Minnie S., Grand Rapids, Mich. Attachment for button-setting machines	765,616	July 19	3420	721	111	775
Elliott, Neoma R. (See Elliott and Kelly, assignors.)						
Elliott, Ralph W., San Francisco, Cal. Pneumatic pump	761,065	May 31	4983	1056	110	1178
Elliott, Robert, Olney, assignor of one-half to W. B. Keefer, Philadelphia, Pa. Yarn-dyeing machine	751,154	Feb. 2	679	156	108	1204
Elliott, Robert C., Terre Haute, Ind. Music-leaf turner	769,155	Sept. 6	32	8	112	10
Elliott, Robert E., Monroeville, Ind. Corn-planter	763,867	June 28	4448	968	110	2464
Elliott, Sterling, Newton, Mass. Turn-table	749,724	Jan. 19	2407	508	108	573
Elliott, Sterling, Boston, Mass. Feed-water heater	755,286	Mar. 22	4050	888	109	934
Elliott, Sterling, assignor to Elliott Company, Boston, Mass. Apparatus for folding and wrapping pamphlets	757,728	Apr. 19	3041	662	109	2025
Elliott, William L. (See Johnson, John, assignor.)						
Elliott, William P. and William P., Jr., Chicago, Ill. Gate	770,895	Sept. 27	3371	711	112	808
Elliott, William S., Pittsburg, Pa. Superheating apparatus	756,840	Apr. 12	1249	278	109	1627
Elliott, William S., Pittsburg, Pa. Elastic-fluid turbine	775,106	Nov. 15	3087	656	113	728
Elliott, William S., Pittsburg, Pa. Elastic-fluid turbine	775,107	Nov. 15	3090	656	113	729
Elliott, William S., Pittsburg, Pa. Elastic-fluid turbine	775,108	Nov. 15	3092	657	113	730
Ellis, Alfred, Passaic, N. J. Dump-car	764,568	July 12	1381	282	111	318
Ellis, Alvarado L., Swampscott, Mass., assignor to General Electric Company. Torque-testing device	771,302	Oct. 4	159	36	112	995
Ellis, Carleton, Boston, Mass. Composition for cementing cloth, wood, leather, or other substances	778,323	Dec. 27	3500	113	113	2231
Ellis, Carleton, assignor to G. M. Port, Boston, Mass. Composition of matter	760,185	May 17	3217	110	110	758
Ellis, Carleton, Boston, assignor to N. L. Foster, trustee, Brookline, Mass. Flux for soldering aluminum	760,783	May 24	4392	110	110	1035
Ellis, Charles A., Warwick, R. I. Hoof-pad for horses	762,473	June 14	1691	364	110	1825
Ellis, Charles S., and F. D. Powell, assignors to American Coin Register Company, Chicago, Ill. Automatic register for coin-controlled machines	754,553	Mar. 15	2695	586	109	624
Ellis Company. (See Ellis, George V., assignor.)						
Ellis, David R., Chicago, Ill. Wrench	759,869	May 17	2596	543	110	618
Ellis, Edward G., assignor of one-third to J. T. McKinney, Pomona, Ill. Washing-machine	765,918	July 26	4040	863	111	920
Ellis, Edwin. (See Arnold, David B., assignor.)						
Ellis, Elmer, et al. (See Anderson, Con D., assignor.)						
Ellis, George A., Mount Vernon, N. Y. Operating appliance for grates	775,395	Nov. 22	3757	795	113	907
Ellis, George V., assignor to Ellis Company, New York, N. Y. Pump-controlling apparatus	763,741	June 28	4301	915	110	2412
Ellis, George V., assignor to Ellis Company, New York, N. Y. Sewer-lift	772,710	Oct. 18	3024	654	112	1650
Ellis, Halcolm, Attleboro, Mass. Type-writing machine	754,366	Mar. 8	2398	501	109	519
Ellis, James D., Bigflats, N. Y. Thill-shifter	769,990	Sept. 13	1636	342	112	387
Ellis, John, Pittsburg, Pa., assignor to Ruud Manufacturing Company, Camden, N. J. Valve for water-heaters	753,195	Feb. 23	4606	1026	108	2118
Ellis Lacer Company. (See Ellis, Warren E., assignor.)						
Ellis, Mark S., U. S. Navy. Seed-huller	763,269	June 21	3269	704	110	2189
Ellis, Richard E., assignor of one-half to C. T. McCord, Syracuse, N. Y. Mold for making plug-tobacco	773,008	Oct. 25	3607	780	112	1795
Ellis, Robert J., San Francisco, Cal. Pencil-sharpener	773,315	Oct. 25	4383	927	112	1972
Ellis, S. H. (See Mathews, Karl, assignor.)						
Ellis, Samuel J., assignor to W. C. Ellis & Sons, Memphis, Tenn. Seed-huller	748,852	Jan. 5	564	128	108	127
Ellis, Seale H. (See Burroughs and Ellis.)						
Ellis & Sons, William C. (See Ellis, Samuel J., assignor.)						
Ellis, Thomas H., assignor to J. S. Roseberry, New Orleans, La. Syringe	764,996	July 12	2240	463	111	505
Ellis, Thomas P., Ripley, Tenn. Grindstone-fixture	763,449	June 28	3692	796	110	2303
Ellis, Walter E., Norfolk, Va. Window-screen	764,440	July 5	1091	232	111	242
Ellis, Warren E., Haverhill, Mass., assignor to Ellis Lacer Company. Fastener for shoe uppers	774,659	Nov. 8	2142	469	113	491
Ellis, William, assignor of one-half to J. P. Minor, Blockton, Iowa. Road-scraper	765,231	July 19	2603	554	111	613
Ellis, William D. (See Edgcomb and Ellis.)						
Ellis, William F., Stamford, Conn. Railway cross-tie	769,068	Aug. 30	6017	1260	111	2450
Ellis, William F., Creston, assignor of one-half to W. M. Carpenter, Corning, Iowa. Stock-car	777,614	Dec. 13	3270	499	113	1941
Ellis, William H., Boston, Mass. Pile-driving machine	760,859	May 24	4541	968	110	1066
Ellis, William J., Akron, Ohio. Floor-tiling	750,954	Feb. 2	331	79	108	1131
Ellis, William J., Fulton, N. Y. Dumping-box	771,361	Oct. 4	286	63	112	1022
Ellison, John M., Pittsburg, Pa. Ironing-table	759,536	May 10	2063	422	110	484
Ellison, Luther C., Dundee, Ga. Cotton-planter	752,963	Feb. 23	4183	932	108	2023
Ellison, Milton C., St. Paul, Minn. Filled-sack-sewing machine	771,618	Oct. 4	785	174	112	1127
Ellison, Milton C., St. Paul, Minn. Thread or twine tension device	772,140	Oct. 11	1865	414	112	1374
Ellison, Milton C., St. Paul, Minn. Filled-bag-sewing machine	773,631	Nov. 1	178	39, 40	113	45

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Elisson, Oliver E., assignor of one-half to E. Prentice and J. N. McCutcheon, Chattanooga, Tenn. Disk plow	749,043	Jan. 5	984	206	108	229
Elliston, Charles T., Clinton, Mo. Draft-elevator	756,841	Apr. 12	1252	279	109	1627
Ellithorp, Orren S., Chicago, Ill. Corn-harvester	762,518	June 14	1771	379	110	1842
Ellman, Louis W., assignor of one-half to J. L. Davis, San Antonio, Tex. Gin-rib	775,949	Nov. 23	3653	773	113	833
Ellman, Louis W., and J. W. Morgan, San Antonio, Tex., said Morgan assignor to J. L. Davis. Pneumatic mattress-stuffing machine	752,662	Feb. 23	3573	795	108	1886
Elmirt, Charles B., San Francisco, Cal. Hydrocarbon-burner	773,488	Oct. 25	4756	1004	112	2052
Elmore, John, Altoona, Pa. Rail-joint	772,650	Oct. 18	2891	696	112	1621
Elsworth, Dighton B. (See Hitchens and Elsworth.)						
Elsworth, Harry B., Excelsior, Wis. Device for cooling and aerating milk	763,270	June 21	3271	705	110	2190
Elsworth, James A., Portland, Me. Dip-net	771,362	Oct. 4	287	63	112	1022
Elsworth, W. P., et al. (See Harris, John B., assignor.)						
Elmasian, Garabad, Philadelphia, Pa. Device for measuring and truing tips of shoes	751,621	Feb. 9	1550	353	108	1406
Elmiger, Albert, Dayton, Ky. Adjustable hollow milling-tool	759,425	May 10	1732	350	110	412
Elmore, Charles H., et al. (See Bartram, Walker B., assignor.)						
Elmore, Guy H. (See Cooley, George T., assignor.)						
Elsenrath, A. (See Kuhn, Jacob, assignor.)						
Elsner, Joseph, Milwaukee, assignor of one-half to H. Biegel, West Allis, Wis. Foundry-oven	778,121	Dec. 20	3299	724	113	2168
Elspass, John H., Los Angeles, Cal., assignor to Elspass Roller Quarts Mills and Manufacturing Company, Pueblo, Colo. Pulverizing-mill	775,130	Nov. 15	3142	669	113	740
Elspass Roller Quarts Mills and Manufacturing Company. (See Elspass, John H., assignor.)						
Elston, Edmund E., Jr., Norwood, assignor to W. H. Emerson, Cambridge, Mass. Cleaning device						
Elston, John W., Indianapolis, Ind. Belt-joint	751,786	Feb. 9	1853	422	108	1469
Elterich, Marie. (See Elterich, Paul O., assignor.)	756,220	Apr. 5	56	13	109	1355
Elterich, Paul O., assignor to M. Elterich, New York, N. Y. Sight for shotguns	754,920	Mar. 15	3390	741	109	775
Elterich, Albert O., assignor to M. Elterich, New York, N. Y. Firearm	766,231	Aug. 2	174	32, 33	111	1080
Eltz, Victor, Abbazia, Austria-Hungary. Apparatus for heating air or liquids to a constant temperature	751,271	Feb. 2	934	212	108	1256
Ely, Albert, Franklin, Pa. Lubricating device	763,559	June 28	3017	852	110	2350
Elworthy, Herbert S., assignor of one-half to E. H. Williamson, London, England. Apparatus for the manufacture of gas	756,608	Apr. 5	791	172	109	1510
Elworthy, Herbert S., assignor of one-half to E. H. Williamson, London, England. Hydrogen-generator	777,948	Dec. 20	2738	604	113	2056
Ely, Alfred G., New York, N. Y. Wrench	778,182	Dec. 20	3413	749	113	2122
Ely, Ernest E., Mason City, Ill. Cane	765,569	July 19	3337	701	111	757
Ely, J. W., et al. (See White, Walter S., assignor.)	772,408	Oct. 18	2427	532	112	1521
Ely, Sumner B., Allegheny, H. H. Anderson and W. W. Slick, Pittsburg, Pa., assignors to American Sheet Steel Co., New York, N. Y. Adjusting mechanism for sheet-mills	758,003	Apr. 19	3562	772	109	2139
Ely, William H., Middletown, Conn. Eyesight-testing device	777,896	Dec. 20	2831	682	113	2074
Elzen, Bartholomew V. (See Loewe and Elzen.)						
Elzen, Louis V. (See Loewe and Elzen.)						
Emberger, Ferdinand, Lindsay, Tex. Wagon	760,975	May 24	4767	1014	110	1114
Embleton, James, Columbus, Ohio. Tamper	769,943	Sept. 13	1540	328	112	364
Embley, William. (See Shobe and Embley.)						
Emergency Car Brake Company. (See Fresh, Henry, assignor.)						
Emerick, William H., Chicago, Ill. Journal-box	771,048	Sept. 27	3668	773	112	875
Emerson, Charles H., Whitehall, N. Y. Surgical instrument	764,801	July 12	1854	381	111	421
Emerson Electric Manufacturing Company. (See Meston, Charles R., assignor.)						
Emerson Electric Manufacturing Company. (See Meston and Finch, assignors.)						
Emerson, Estel C., Williamansett, assignor of fifty-one one-hundredths to M. Moulton, Boston, Mass. Crank	763,742	June 28	4203	916	110	2413
Emerson, Fred L., Bridgewater, Mass. Apparatus for distributing liquids	774,746	Nov. 15	2361	511	113	562
Emerson, Gilbert D., Philadelphia, Pa. Temporary binder	764,284	July 5	751	154	111	166
Emerson, Isaiah W., Milford, Mass. Window-sash	762,831	Feb. 23	3391	873	108	1056
Emerson, Isaiah W., Milford, Mass. Fireproof window frame and sash	754,437	Mar. 15	2473	538	109	576
Emerson, Lewis H., and S. P. Kerstetter, De Young, Pa. Drill-derrick	767,638	Aug. 16	3053	638	111	1754
Emerson Manufacturing Company. (See Waterman, Lewis E., assignor.)						
Emerson Manufacturing Company. (See Wilson, George, assignor.)						
Emerson, Oliver S., Luxora, Ark. Separator	749,280	Jan. 12	1498	319	108	360
Emerson, Robert B., Washington, D. C. assignor to Emerson Steam Pump Company, Alexandria, Va. Steam vacuum-pump	773,133	Oct. 25	4002	848	112	1889
Emerson, Samuel. (See Emerson, Thomas and S.)						
Emerson Steam Pump Company. (See Emerson, Robert B., assignor.)						
Emerson, Thomas and S., assignors to American Paper Goods Company, Kensington, Conn. Feeder for sheets of paper, &c.	765,962	July 26	4118	880	111	937
Emerson, Victor H., New Haven, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Convertible sound-box	777,615	Dec. 13	2274	499	113	1942
Emerson, William H. (See Elston, Edmund E., Jr., assignor.)						
Emert, John H., Averyville, Ill. Draft-equalizer	753,282	Mar. 1	927	467	109	67
Emert, William S., Peoria, Ill. Draft-equalizer	757,288	Apr. 12	2137	467	109	1814
Emery, Albert H., Stamford, Conn. Breech-loading ordnance	772,345	Oct. 18	2295	504	112	1492
Emery, Albert H., Stamford, Conn. Explosive shell for rifled guns	772,346	Oct. 18	2302	505	112	1494
Emery, Albert H., Stamford, Conn. Cartridge	776,652	Dec. 6	369	80	113	1510
Emery, Albert H., Stamford, Conn. Breech-loading ordnance	777,010	Dec. 6	1095	238	113	1670
Emery, Charles G. (See Shortt, Edward G., assignor.)						
Emery, Charles F., assignor of one-half to E. W. Townsley, Madisonville, Ohio. Farm-gate	754,758	Mar. 15	3089	675	109	710
Emery, Frederick L., trustee, et al. (See Cummings, Henry H., assignor.)	755,472	Mar. 22	4401	975	109	1008
Emery, Fredrick H., Scranton, Pa. Coal-separator	777,086	Dec. 13	1249	273	113	1721
Emery, John H., West Bay City, Mich. Brick-molding machine	774,165	Nov. 8	1234	264	113	296
Emery, John R., National Military Home, Kans. Animal-trap						
Emery, S. P., et al. (See Hinkson, Frank B., assignor.)						
Emig, Jacob, and A. McKaig, Sr., assignors to American Drop Forging & Tool Company, Wayland, N. Y. Wrench	760,063	May 17	2967	619	110	703

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Emling, Frank. (See Bos-singham and Emling.)						
Emmerich, Wilhelm, assignor to Farbwerke, vorm. Meister, Lucius and Brünig, Höchst-on-the-Main, Germany. Orange sulfur dye	760,110	May 17	3063		110	724
Emmerling, Ernst A., New York, N. Y. Stamp-affixer and envelop-sealer	753,965	Mar. 8	1508	336	109	348
Emmert Manufacturing Company. (See Lewis, Mortimer G., assignor.)						
Emmert, Charles S. (See Wear, Charles, assignor.)						
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company.	754,292	Mar. 8	2111	468 469	109	479
Elastic-fluid turbine.				1105 1106	109	1149
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company.	755,756	Mar. 29	4969			
Elastic-fluid turbine.						
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company.	769,598	Sept. 6	882	190	112	199
Thermal cut-out.						
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company.	769,599	Sept. 6	884	191	112	200
Brush-holder.				346 347	112	388
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company.	769,991	Sept. 13	1637			
System of electrical distribution.				1061 1062	111	2238
Emmet, William L. R., and O. Junggren, Schenectady, N. Y., assignors to General Elec-tric Company. Turbine-generator.	768,593	Aug. 30	5059			
Emmington, Emil. (See Klatt, Albert, assignor.)						
Emmons, Fannie S., Richmond, Ind. Device for removing water from the hair	756,842	Apr. 12	1253	279	109	1628
Emmons, Grosvenor B. (See Mills, Francis A., assignor.)						
Emond, Walter, Loudon, N. J. Sash stop and lock	758,632	May 3	54	11	110	17
Emonds, Hubert, Aix-la-Chapelle, Germany. Vacuum arc-lamp	774,836	Nov. 15	2553	549	113	604
Emory, Charles E., Pittsburg, Pa. Floss-car	766,533	Aug. 2	389	83	111	1126
Emory, Joseph P., Columbus, Ohio, assignor to Hallwood Cash Register Company, Jer-sey City, N. J. Cash register and indicator.	750,272	Jan. 26	3441	742 743	108	815
Empire Engine and Motor Company. (See Galloway, Edwin F., Jr., assignor.)						
Empire Pipe Bending and Supply Company. (See Layton, Richardson C., assignor.)						
Empire Safety Tread Company. (See Ethridge, Martin V. B., assignor.)						
Empire Safety Tread Company. (See McCain, Marvin M., assignor.)						
Empire State Engineering Company. (See Marks and Davenport, assignors.)						
Empire State Trust Company, trustee. (See Gilmore, William T., assignor.)						
Empson, John H., Longmont, Colo. Pea-shelling machine.	773,858	Nov. 1	643	136 137	113	149
Empson, John H., Longmont, Colo. Rotating drum for pea-shelling machines.	773,859	Nov. 1	646	137	113	149
En Earl, William J., Montevista, Colo. Pump	764,932	July 12	2137	441	111	485
Endemander, Herman, New York, N. Y. Antiseptic compound and making same	770,275	Sept. 20	2170		112	524
Enderlen, Albert H., Wiesbaden, assignor to Vereinigte Maschinenfabrik Augsburg und Maschinenbaugesellschaft Nürnberg A.-G., Nuremberg, Germany. Method of and apparatus for pile-driving	764,802	July 12	1855	381	111	421
Engels, Aubrey E., Chiswick, England. Inclining device	752,537	Feb. 16	3902	735	108	1812
Energy Elevator Company. (See Garrett, Samuel H., assignor.)						
Engberg, Carl, assignor to Engberg's Electrical and Mechanical Works, St. Joseph, Mich. Basket-machine.	771,049	Sept. 27	3670	773 774	112	875
Engberg, Ephraim O., Salt Lake City, Utah. Machine for trimming and applying shade goods	754,759	Mar. 15	3991	675	109	711
Engberg's Electrical and Mechanical Works. (See Engberg, Carl, assignor.)						
Engel, Herrmann, West Berkeley, Cal. Propeller	769,256	Sept. 6	234	54	112	51
Engel, Albert M., Chicago, Ill. Picture-mounting leaf and book	764,441	July 5	1593	232	111	242
Engel, Albert W., Chicago, Ill. Picture-mounting leaf or book	749,281	Jan. 12	1500	320	108	361
Engel, George M., Philadelphia, Pa. Combined center or other square	769,992	Sept. 13	1641	347	112	388
Engel, Godfrey, Baltimore, Md. Sugar-crystallizer	759,686	May 10	2224	458 459	110	519
Engel, Godfrey, Baltimore, Md. Press	762,396	June 14	1503	328	110	1784
Engel, Godfrey, Baltimore, Md. Bearing for centrifugal machines	778,481	Dec. 27	4021	875	113	2342
Engel, Godfrey, Baltimore, Md. Bearing	778,822	Dec. 27	4054	1017	113	2483
Engel, Jacob, Milwaukee, Wis. Shirt	770,714	Sept. 20	3001	638	112	709
Engel, Jacob, Milwaukee, Wis. Vest	770,715	Sept. 20	3003	638	112	709
Engel, Jacob, Milwaukee, Wis. Penholder	770,716	Sept. 20	3004	638	112	710
Engel, John A., Washington, Ill. Feed-grinder.	751,488	Feb. 9	1300	297 298	108	1354
Engel, Karl, Lynn, Mass. Boot or shoe	763,600	June 28	3918	852	110	2351
Engel, Stephen L., New York, N. Y. Combined suspenders and belt	757,399	Apr. 19	3372	729	109	2097
Engelhard, Frank and F. H., Springfield, Mass. Float	764,933	July 12	2138	442	111	485
Engelhard, Frank and F. H., Springfield, Mass. Float	767,046	Aug. 9	1872	393	111	1478
Engelhardt, Frederick H. (See Engelhard, Frank and F. H.)						
Engelhardt, Frederick H., St. Johnsville, N. Y. Pianissimo device for piano-actions	770,568	Sept. 20	2726	577	112	649
Engeljohn, August H., and S. Weale, Farina, Ill. Neck-yoke	750,626	Jan. 26	4102	888	108	957
Engelking, Ferdinand C. (See Engelking, Henry F. and F. C.)						
Engelking, Henry F. (See Sechler and Engelking.)						
Engelking, Peter and F. C. Peters, Tex. Music-lift turner	749,667	Jan. 12	2272	479	108	528
Engelland, George C. J., Blue Island, Ill. Street waste-paper box	758,354	Apr. 23	4291	922	109	2317
Engelmann, Max, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Making dialkyl-barbituric acid	750,627	Jan. 26	4103		108	957
Engelmann, Max, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Making dialkyl-barbituric acid	751,724	Feb. 9	1735		108	1444
Engelmann, Max, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Preparing dialkylbarbituric acid	775,809	Nov. 22	4610		113	1091
Engelmann, Max, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Preparing dialkylbarbituric acid	775,810	Nov. 22	4611		113	1091
Engelmohr, Carl H. (See Lohse, Hermann, assignor.)						
Engels, Ernst W., Düsseldorf, Germany. Treating plumbiferous ores.	755,223	Mar. 22	3934		109	909
Engels, Ewald, Düsseldorf, Germany. Treating iron and steel	752,051	Feb. 16	2388		108	1607
Engels, Ewald, Düsseldorf, Germany. System of feeding slow-burning stoves	752,389	Feb. 16	3028	674	108	1751
Engels, Johann C., Barmen, Germany. Eyelet	757,945	Apr. 19	2787	612	109	1972
Engels, Peter J., Farwell, Nebr. Glove-fastener	730,834	Feb. 2	102	24	108	1079
Engels, Walter, Hamburg, Germany. Artificial leg	762,061	June 7	808	165 166	110	1613
Engelsmann, August, Stuttgart, Germany. Light-accumulator for continuous and alternating electric currents.	761,066	May 31	4985	1057	110	1179
Engert, F. A. (See Miller, Denis L., assignor.)						
Engle, George S., Providence, R. I. Lapel-button	774,382	Nov. 8	1627	349	113	383
Engle, George S., Providence, R. I. Shirt-button	777,191	Dec. 13	1432	317	113	1760
Engle, William A., Pottsville, Pa. Cut-out valve for locomotives.	768,172	Aug. 23	4172	878	111	2020
Englehardt, Frank L., Kansas City, Mo. Draft-rigging	751,135	Feb. 2	681	156	108	1304
Engler, Richard A., Dubuque, Iowa. Megaplex relay	757,184	Apr. 12	1943	425	109	1773

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Englert, Charles, Jr. (See Yawman, Frederick G., assignor.)						
Englert, Conrad J., Schenectady, N. Y. Engine-crank box for talking-machines.	776,228	Nov. 29	5456	1154 (1155)	113	1300
English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines.	766,141	July 26	4481	960	111	1014
English, John E. (See Hintz, Reinhold O., assignor.)						
English, John R. (See Peake and English.)						
English & Mersick Co. (See Pfeleghar, Frank P., assignor.)						
English, William M., and A. H. Ten Broeck, San Francisco, Cal. Antiseptic attachment for telephone-mouthpieces.	754,057	Mar. 8	1672	371	109	385
English, William M., and A. H. Ten Broeck, San Francisco, Cal. Antiseptic telephone-mouthpiece.	754,046	Mar. 15	2876	698	109	660
Englund, Gust L., Crawford, S. D. Harvester-reel	762,891	June 21	2546	552	110	2020
Englund, Gust L., Crawford, S. D. Draft-equalizer	762,892	June 21	2548	552	110	2030
Englund, Philip, Chico, Cal. Illuminator for sewing-machines.	757,900	Apr. 19	3373	729	109	2067
Englund, Philip, Chico, Cal. Reservoir for storing petroleum	749,282	Jan. 12	1503	320	108	361
Engraving Machine Company. (See White, George, assignor.)						
Engstrom, Jacob B., Manchester, Iowa. Fence-post	751,022	Feb. 9	1552	253	108	1047
Ennis, Benjamin F., Syracuse, N. Y. Device for separating collated articles	776,829	Dec. 6	743	162	113	1590
Eno, George E., et al. (See Houghton, Charles L., assignor.)						
Enos, Frank M., et al. Executors. (See Tripp, James S.)						
Enquist, Axel F., San Francisco, Cal. Device for adjusting windows	753,479	Mar. 1	479	112	109	105
Ensign, Emory S., assignor to F. R. Hardenbergh, Boston, Mass. Calculator-machine	773,632	Nov. 1	182	40 41 42	113	46
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Thread-cutting machine	751,841	Feb. 9	1968	447	108	1495
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Polishing-machine	763,743	June 28	4204	916 917	110	2413
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Mortising-machine	766,607	Aug. 2	959	201 202 203	111	1254
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Friction-brake.	766,608	Aug. 2	965	203	111	1256
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Work-carrier.	770,051	Sept. 13	1728	365	112	407
Ensign, Orville H., Los Angeles, assignor to W. A. Doble, San Francisco, Cal. Hydraulic arresting device	752,588	Feb. 16	3304	735	108	1812
Enterprise Manufacturing Company. (See Wilson, George, assignor.)						
Entler, Edwin C., Bonaparte, Iowa. Easel.	763,382	June 28	3525	760	110	2267
Entreklin, Joseph H., Craig, Nebr. Axle.	757,444	Apr. 19	2466	539	109	1899
Entreklin, Joseph H., Craig, Nebr. Manure-loader	760,438	May 24	3678	778 779	110	877
Entriken, J. Carroll, et al. (See Entriken, John C., assignor.)						
Entriken, John C., assignor to himself, G. R. Walton, J. C. Entriken, and W. S. Everett, Malvern, Pa. Reversing-gear	751,787	Feb. 9	1854	242	108	1470
Entriken, John C., and W. S. Everett, Malvern, assignors of seven-sixteenths to C. F. Kindred, Philadelphia, Pa. Means for and method of securing lead-in wires in electric lamps	759,506	May 10	1887	380	110	447
Entz, Edward B., Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch	765,660	July 26	3536	747	111	814
Entz, Justus B., assignor to Electric Storage Battery Company, Philadelphia, Pa. Current-regulator	763,168	June 21	3081	663 664	110	2148
Enyart, James E. and J. L. McFall, Mo. Gage for cutting foundation comb-starters	778,293	Dec. 27	3500	770	113	2231
Enyart, James E. (See Enyart, James E. and J. L.)						
Enz, William J., assignor of two-thirds to W. T. and E. Wagner, Cincinnati, Ohio. Custard-lifter	759,258	May 10	1889	277	110	337
Epes, Theodorick P., Blackstone, Va. Tellurian	756,345	Apr. 5	809	63,64	109	1409
Epperson, Charles W., Belt, Mont. Wire-stretcher.	758,633	May 3	56	11	110	17
Epperson, Perrin, assignor of one-half to A. Chantrean, Belt, Mont. Wire-stretcher.	775,469	Nov. 22	914	827	113	941
Eppe, Albert, North Attleboro, assignor to D. F. Briggs Company, Attleboro, Mass. Watch-chainette	768,097	June 21	2939	633	110	2115
Eppe, Carl H., assignor to himself, C. L. Curtis, and J. A. Keller, New York, N. Y. Duplicate	759,251	May 10	1387	277	110	337
Epprecht, Gottlieb, Paterson, N. J. Apparatus for cooling or heating air	776,482	Dec. 27	4022	875	113	2942
Eppstein, George G., et al. (See McIntyre, David, assignor.)						
Erpstein, Wilhelm. (See Ritsert and Erpstein.)						
Erb, Albert D., Hubbard, Oreg. Sliding-jaw wrench	768,470	June 28	3694	796	110	2304
Erb, Elias C. (See Powlison and Erb.)						
Erb, Frederick H., Jr., Lafayette, Ind. Dog-collar	755,473	Mar. 22	4403	975	109	1009
Erb, Frederick H., Jr., Lafayette, Ind. Dog-collar	765,823	July 26	3574	824	111	882
Erb, Samuel, and W. E. Morell, Chemanus, Canada. Fire-extinguisher	766,232	Aug. 2	176	33	111	1080
Erb, William B., Chicago, Ill. Double-acting deep-well pump	768,694	June 28	4049	882	110	2879
Erben, Hermann F. T., Schenectady, N. Y., assignor to General Electric Company. Collector-ring and means for securing it into position	769,993	Sept. 13	1642	347	112	388
Erben, Joseph. (See Homolka and Erben.)						
Erbor, Andrew, Copley, Pa. Lubricator	760,439	May 24	3680	779	110	878
Erdelyi, John. (See Viola and Erdelyi.)						
Erdelyi, John, and L. Davis, New York, N. Y. Self-propelled sled	766,173	Aug. 2	35	6	111	1049
Erdmann, Emil M., Long Prairie, Minn. Stump-puller	764,231	July 5	661	134	111	147
Erdmann, William, and W. Kootz, assignors to Gem Hammock & Fly Net Company, Milwaukee, Wis. Fly-net.	777,946	Dec. 20	2959	650	113	2099
Erfurt, Max, Straupitz, near Hirschberg, Germany. Injector	778,122	Dec. 20	3301	725	113	2168
Erickson, Axel, and N. Larson, Skaneateles, Mich. Sled-runner attachment for bicycles.	764,442	July 5	1094	223	111	242
Erickson, Charles, Bremerton, Wash. Drilling-machine	751,062	Feb. 2	515	126	111	108
Erickson, Charles A., Chicago, Ill. Rail-joint support	772,610	Oct. 18	2980	630	112	1206
Erickson, Charles E., Chicago, Ill. Metallic sliding window	775,915	Nov. 29	4818	1021	113	1153
Erickson, Charles J. (See Lundquist and Erickson.)						
Erickson, Edward, South Boston, Mass. Welt-beater	764,569	July 12	1382	282	111	318
Erickson, Erick, et al. (See Chapman, William S., assignor.)						
Erickson, Erick A. (See Anderson and Erickson.)						
Erickson, Frank E., Erie, Pa. Combined track and shovel	771,134	Sept. 27	3849	811	112	915
Erickson, Frederick W., Boston, Mass. Outlet-bushing for junction-boxes.	750,352	Jan. 28	3592	778	108	851
Erickson, John. (See Lundquist and Erickson.)						
Erickson, John, Chicago, Ill., assignor to Strowger Automatic Telephone Exchange. Counter for registering calls for automatic telephone-exchanges	772,459	Oct. 18	2537	554	112	1543
Erickson, John A. (See Aspin and Erickson.)						
Erickson, Theodore, and J. J. Fagan, Charlevoix, Mich. Cigar-vending machine	758,588	Apr. 26	4742	1022	109	2416

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Ericson, Eric, assignor to C. A. and O. W. Hult, Stockholm, Sweden. Friction-gear.....	771,541	Oct. 4	646	143	112	1096
Ericson, Job E., San Francisco, Cal. Automatic flushing-tank.....	750,955	Feb. 2	332	79	108	1131
Ericson, John M., assignor of one-half to T. W. Jennings, Salt Lake City, Utah. Smoke-preventing furnace.....	772,092	Oct. 11	1775	394	112	1355
Ericson, John M., C. R. Berry, and L. W. Hoge, Salt Lake City, Utah. Adjustable spring.....	750,507	May 10	1890	380	110	448
Ericson, Victor, Chicago, Ill. Rotary engine.....	751,842	Feb. 9	1972	448	108	1495
Ericsson, Anders J., assignor to Actiebolaget Separator, Stockholm, Sweden. Centrifugal machine.....	773,489	Oct. 25	4758	1004	112	2052
Ericsson, Gustave E., Dubois, Pa. Metallic piston-packing.....	775,213	Nov. 15	3340	712	113	786
Ericsson, Lars M., assignor to Aktiebolaget L. M. Ericsson & Co., Stockholm, Sweden. Jack-field for telephones.....	753,563	Mar. 1	667	149	109	147
Ericsson, Lars M., assignor to Aktiebolaget L. M. Ericsson & Co., Stockholm, Sweden. Portable or table telephone instrument.....	753,563	Mar. 1	667	149	109	147
Ericsson, Lars M., assignor to Aktiebolaget L. M. Ericsson & Co., Stockholm, Sweden. Switch or ringing key for telephone switchboards.....	770,424	Sept. 20	2445	517	112	586
Erie City Iron Works. (See Ferrari and Whittemore, assignors.)						
Erikson, Sven. (See Dittenheimer and Erikson.)						
Erixon, John N., Concord, Ill. Fence-post.....	752,964	Feb. 23	4184	932	108	2023
Erk, Martin J., Binghamton, N. Y. Acetylene-gas generator.....	756,221	Apr. 5	57	13	109	1355
Eriksdson, Julius, New York, N. Y. Tuning-hammer.....	770,961	Sept. 27	3503	738	112	840
Eriksdson, Julius, New York, N. Y. Tuning-hammer.....	777,281	Dec. 13	1597	355	113	1796
Erlwein, Georg, assignor to Cyanid-Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Manufacture of cyanamid salts.....	757,185	Apr. 12	1946	455	109	1776
Ermentrout, William H., Reading, Pa. Wrench.....	749,544	Jan. 12	2060	437	108	482
Ernold, Edward, New York, N. Y. Envelop.....	772,031	Oct. 11	1643	368	112	1326
Ernsberger, Millard C. (See Tripp, Henry C., assignor.)						
Ernst, Joseph R. (See Nare and Ernst.)						
Ernst, Otto, Larchmont, N. Y. Electric signal system.....	760,976	May 24	4769	1015	110	1114
Ernst, Victor H., Jersey City, N. J. Spanner-wrench.....	761,281	June 7	545	108	110	1562
Ernst, William H., Marietta, Ohio, and A. Cupler, Jr., deceased, Titusville, Pa.; C. E. Mosher, administrator. Safety device for oil-well torpedo-shells.....	768,564	Aug. 23	4966	1088	111	2198
Ernst, William M., et al. (See Russell, William M., assignor.)						
Erick, Frank J., assignor of one-third to M. Mesmer, North Tonawanda, N. Y. Detonating signal for railway-trains.....	761,214	May 31	5260	1117	110	1288
Erskin, William. (See Taylor and Erskin.)						
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch.....	752,892	Feb. 23	4010	898	108	1984
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Unbroken-main-line switch.....	759,870	May 17	2597	543	110	618
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Unbroken-main-line switch.....	759,871	May 17	2599	544	110	619
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Railway-track structure.....	765,661	July 26	3537	747	111	815
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch.....	765,662	July 26	3539	747	111	815
Ervin, George M., Johnstown, Pa., assignor to Lorain Steel Company. Plate-fastening for railway-track structures.....	765,663	July 26	3540	748	111	815
Erwin, Charles W., and C. M. Whitney, Chicago, Ill. Receptacle.....	764,570	Aug. 12	1384	282	111	319
Erwin, Robert F., et al. (See Kime, Warren W. S., assignor.)						
Erwood, John, Chicago, Ill. Warehouse-door.....	756,609	Apr. 5	798	172	109	1510
Erwood, John, Chicago, Ill. Warehouse-door.....	766,761	Aug. 2	1272	271	111	1323
Erwood, John, Chicago, Ill. Warehouse-door.....	766,762	July 2	1274	271	111	1324
Erzig, Nicholas, Chicago, Ill. Earth-auger.....	768,117	Aug. 23	4076	858	111	2000
Eschenbach, Anthony, Dayton, assignor of one-half to O. Zimmerman, Newport, Ky. Addressing mechanism.....	770,276	Sept. 20	2171	452	112	524
Eschliman, Oliver E., et al. (See Karcher, Otto, assignor.)						
Escuder, Miguel, and A. Forest, Barcelona, Spain. Embroidering-machine.....	749,044	Jan. 5	987	209	108	280
Eshelman, Edward H., Crawfordsville, Ind. Reversing mechanism.....	774,887	Nov. 15	2554	549	113	604
Eshleman, John W., et al. (See Kray, John A., assignor.)						
Eskildson, Theodor. (See Magnuson and Eskildson.)						
Eskildson, Theodor, Astoria, assignor of one-half to A. Magnuson, New York, N. Y. Safety appliance and speed-controlling apparatus for elevators.....	767,980	Aug. 16	3596	761	111	1872
Esmond, Frederick J. (See Abbey and Esmond.)						
Esmonin, Francois C., Fall River, Mass. Flea-trap.....	765,420	July 19	3088	636	111	694
Esselen, Henry M. (See Folsom, F., assignor.)						
Esselius, Eric, Steubenville, Ohio. Shifting mechanism for conveying-tables.....	752,444	Feb. 16	3138	697	108	1773
Esselius, Eric, Steubenville, assignor to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Mule or push car.....	774,166	Nov. 8	1238	264	113	297
Esser, Christian, assignor of one-half to A. Pollak, Vienna, Austria-Hungary. Apparatus for the treatment of peat fiber for manufacturing half-stuff.....	771,202	Sept. 27	3977	840	112	941
Essex Electrical Company. (See Jacobson, Gustav E., assignor.)						
Essex Electrical Company. (See Jacobson and Anderson, assignors.)						
Essex, George B., Detroit, Mich. Lubricator.....	767,047	Aug. 9	1874	393	111	1478
Essig, Harry E., Canton, Ohio, assignor to Essig Pivot Window Company, Pittsburg, Pa. Window-sash pull.....	750,956	Feb. 2	334	79	108	1132
Essig, Harry E., Canton, Ohio, assignor to Essig Pivot Window Company, Pittsburg, Pa. Window.....	756,006	Mar. 29	5461	1205	109	1262
Essig, Harry E., Canton, assignor to Williams Pivot Sash Company, Cleveland, Ohio. Horizontally-pivoted window.....	763,471	June 28	3695	797	110	2304
Essig, Ozia A., Canton, Ohio. Window-curtain attachment.....	754,554	Mar. 15	2958	586	109	695
Essig, Ozia A., Canton, Ohio. Sash lock and lift.....	765,172	July 19	2565	536	111	531
Essig Pivot Window Company. (See Essig, Harry E., assignor.)						
Esson, Arthur C., New York, N. Y. Copy-holder.....	754,983	Mar. 22	3521	771	109	820
Estberg, Albert C., Waukesha, Wis. Vending and delivery machine.....	759,977	May 17	2804	587	110	666
Estep, Blair A. (See Burley, Harry S., assignor.)						
Estep, Blair A., Chicago, Ill., assignor to Search Light Manufacturing Company. Spring-extension support.....	752,212	Feb. 16	2676	593	108	1673

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Estep, Blair A., Chicago, Ill., assignor to Search Light Manufacturing Company. Spring suspension-support	773,134	Oct. 25	4009	850	112	1890
Estep, James, Tacoma, assignor of one-half to R. L. Bloom, Lakeview, Wash. Making butter	749,853	Jan. 19	2651	-----	108	627
Esterly, Willis M. (See Mannen and Esterly.)						
Estes, Albert L., Yellville, Ark. Rotary engine	774,056	Nov. 1	1041	223	113	265
Estes, William B., assignor of one-half to T. H. Sappington, Atlanta, Ga. Horse-collar	771,203	Sept. 27	3978	841	112	941
Estes, William B., assignor of seven-twelfths to E. G. Williams and C. Howell, Atlanta, Ga. Lacing-hook	774,719	Nov. 8	2377	492	113	522
Estey Organ Company. (See Haskell, William E., assignor.)						
Estienne, Alfred D., Marseilles, assignor to Anglo-French Ramie Machine Company, Limited, Paris, France. Decorticating-machine	753,055	Feb. 23	4355	968 969	108	2062
Etchegaray, Benito. (See Farrel and Etchegaray.)						
Etchison, John F., Gallegos, N. Mex. Ter. Colt or calf weaner	763,032	June 21	2856	617	110	2098
Etheridge, James Hamilton, Ohio. Caster	751,489	Feb. 9	1302	298	108	1354
Ethridge, Martin V. B., New York, assignor, by mesne assignments, to Empire Safety Tread Company, Brooklyn, N. Y. Step	771,772	Oct. 4	1081	242	112	1190
Etienne, Bruneau, Providence, R. I. Railway safety signal device	770,569	Sept. 20	2727	577	112	649
Etling, Daniel H. (See Gardner, Frank B., assignor.)						
Etnyre, Edward D., and W. A. Whitney, Oregon, Ill. Punch	750,024	Jan. 19	2985	639	108	699
Ette, Charles G., St. Louis, Mo. Brake-shoe and producing same	754,921	Mar. 15	3391	741	109	775
Ette, Charles G., St. Louis, Mo. Washer	759,599	May 10	3064	422	110	484
Ette, Charles G., St. Louis, Mo. Washer	769,731	Sept. 13	1133	244	112	275
Ette, Charles G., St. Louis, Mo. Boiler-stand	773,555	Nov. 1	46	10	113	14
Ette, Charles G., St. Louis, Mo. Washer	777,192	Dec. 13	1432	317	113	1760
Eter, Henry M., Marion, Pa. Pump-head	756,105	Mar. 29	5648	1247	109	1301
Etter, William H., Marietta, Ohio. Weather-strip	752,390	Feb. 16	3031	674	108	1751
Ettinger, Martin J., Philadelphia, Pa., assignor to Elliott-Fisher Company. Type-writing machine	760,186	May 17	3318	674	110	758
Ettler, John A., Beaumont, assignor of one-half to J. Sutherland, Dallas, Tex. Wall and floor brace	769,339	Sept. 6	401	93	112	87
Euer, David. (See Arnold, Jacob, assignor.)						
Euler, George M., St. Louis, Mo. Dough-kneading machine	773,380	Oct. 25	4522	957	112	2008
Euphrat, Theodore, Norwalk, assignor of three-fourths to Hurwood Manufacturing Company and G. J. Fischer, New Haven, Conn. Electric trolley	777,616	Dec. 13	2275	499	113	1942
Eustace, John H., assignor to J. Williamson, Chicago, Ill. Gas-generator	707,217	Aug. 9	2320	465	111	1553
Eustice, Daniel L., Galena, Ill. Machine for manufacturing cans	753,966	Mar. 8	1509	336 337	109	348
Eustis, John P., Newton, Mass. Means for mounting mirrors, pictures, &c., in metallic frames	753,967	Mar. 8	1512	337	109	349
Eustis, John P., Newton, Mass. Shower-bath	764,841	July 12	1993	898	111	441
Eustis, John P., Newton, Mass. Mirror-hanging device	775,008	Nov. 15	2882	615	113	681
Eustis, John P., Newtonville, Mass. Bath-tub seat	764,232	July 5	662	134	111	148
Evans, Alfred C., Norfolk, Va. Steam-boiler	761,462	May 31	5737	1223 1224	110	1345
Evans, Charles S., and H. Parker, Walden, N. Y. Folding rule	778,019	Dec. 20	3099	681	113	2127
Evans, David E., et al. (See Darley, John W., Jr., assignor.)						
Evans, David H. (See Taylor and Evans.)						
Evans, Edwin W., assignor of one-half to S. K. Lewis, Philadelphia, Pa. Rotary pump	773,316	Oct. 25	4385	927	112	1973
Evans, Elisha F., and T. J. Strange, Argyle, Ga. Rail-joint	758,055	Apr. 26	3699	801	109	2187
Evans, George B. (See Williams and Evans.)						
Evans, George B., and J. H. Williams, Dodgeville, Wis. Lock-nut	754,438	Mar. 15	2477	539	109	576
Evans, Harry T., New York, N. Y. Reeling	755,905	May 3	654	131	110	154
Evans, James, Harrisburg, Pa. Pin-retainer	757,729	Apr. 19	3045	664	109	2025
Evans, James E., Pittsburg, Pa. Metallic lathing	765,963	July 26	4121	880	111	938
Evans, Joseph B., Selma, Ala. Steam-turbine	755,474	Mar. 22	4404	975	109	1009
Evans, Joseph T., Alliance, Nebr. Railway-switch	752,668	Feb. 23	3576	796	108	1887
Evans, Josephine. (See Weisnek, Ignatz, assignor.)						
Evans, Lynden. (See Young, Henry M., assignor.)						
Evans, Martin S., Sulphur Springs, Tex. Tongue-support	775,811	Nov. 22	4612	977	113	1091
Evans, Mary L., Washington, D. C. Convertible bed	775,131	Nov. 15	3146	669	113	741
Evans, Owen F., New York, N. Y. Lacing-hook	773,789	Nov. 1	483	106	113	113
Evans, Quimby N., New York, N. Y. Air-moistening apparatus	772,347	Oct. 18	2305	506	112	1494
Evans & Son, S. W. (See Baldwin, Chalkley B., assignor.)						
Evans & Son, S. W. (See Gaskill, William H., assignor.)						
Evans' Sons, John. (See Evans and Knauf, assignors.)						
Evans, Thomas. (See Brown and Evans.)						
Evans, Thomas M. (See Moore, Horatio S., assignor.)						
Evans, William, and P. W. Knauf, Philadelphia, Pa., assignors of three-fourths to J. Evans' Sons. Variable-speed-transmission device	759,872	May 17	2600	544 545	110	619
Evans, William, and P. W. Knauf, Philadelphia, Pa., assignors of three-fourths to J. Evans' Sons. Power-transmission device	759,873	May 17	2602	545	110	619
Evans, William J., et al. (See Kirk, Edward C., assignor.)						
Evans, William J. (See Mann and Evans.)						
Evans, William W., Salt Lake City, Utah. Brush	756,222	Apr. 5	61	14	109	1356
Eveland, Samuel S., Philadelphia, Pa. Antifriction end-thrust device	755,287	Mar. 22	4051	898 899	109	934
Evensen, Anton, Chicago, Ill., assignor of one-half to C. R. Hannan, Council Bluffs, Iowa. Valve mechanism for explosive-engines	756,160	Mar. 29	5726	1265	109	1318
Evensen, Peter O., Chicago, Ill. Policeman's mace	752,593	Feb. 23	4012	899	108	1985
Everest, Augustine R., Lynn, Mass., assignor to General Electric Company. Transformer	750,525	Jan. 26	3915	849	108	919
Everest, Augustine R., Lynn, Mass., assignor to General Electric Company. Fan-motor	761,215	May 31	5363	1117 1118	110	1239
Everest, Laban J., assignor to S. D. Young, Grand Rapids, Mich. Show-case	767,305	Aug. 16	3343	708 709	111	1819
Everett, Charles J., New York, N. Y. Vaporizer for internal-combustion engines	768,436	Aug. 23	3719	989 990	111	2147
Everett, Daniel S., Macedon, N. Y. Dumping-wagon	750,492	Jan. 26	4755	816	108	886
Everett, Robert L., Scottsbluff, Nebr. Power-generating apparatus	757,289	Apr. 12	2138	468	109	1814
Everett, William S., et al. (See Entrioken, John C., assignor.)						
Everett, William S. (See Entrioken and Everett.)						
Everette, Willis E., Tacoma, Wash. Making cyanids and nitrates	754,647	Mar. 15	2877	-----	109	660
Everette, Willis E., Tacoma, Wash. Container for radium and allied compounds	773,281	Oct. 25	4327	-----	112	1962

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Everette, Willis E., Tacoma, Wash. Direct casting and hardening of metal for armor-plates, &c.	774,167	Nov. 8	1239	-----	113	297
Everitt, William, Ilkley, and T. Redman, Bolton, Bradford, England. Apparatus for purifying gas	768,792	Aug. 30	5447	1147	111	2323
Evers, Cyrus, <i>et al.</i> (See Carr, John J., assignor.)						
Evers, Ferdinand, Düsseldorf, Germany. Extracting juice from dried licorice-root	762,032	June 7	810	-----	110	1613
Evers, Robert, Förde, Germany. Denitrating plant	767,335	Aug. 9	2430	510 511	111	1597
Evers, William. (See Darling, Geyer, and Evers.)						
Evershed, Sydney, assignor to himself and Evershed and Vignoles, Limited, London, England. Electric soldering-iron	759,426	May 10	1734	351	110	413
Evershed and Vignoles. (See Evershed, Sydney, assignor.)						
Everson, John J., Newton, Mass. Machine for cleansing and separating road-making material	769,156 762,293	Sept. 6 June 14	34 1321	8, 9 282	112 110	10 1747
Evins, Frank E., Jr., Eddyville, Ky. Shoe-lace fastening	775,297	Nov. 22	3540	746	113	856
Evo, Laurence. (See Stouffer, Hiram A., assignor.)						
Ewald, Arno A., Leroy, Wis. Rotary motor	766,334	Aug. 2	390	83	111	1126
Ewald, Herman A., Leroy, Wis. Automatic steam-whistle	751,272	Feb. 2	895	212	108	1256
Ewald, Julius, Philadelphia, Pa. Garment-belt						
Ewalt, Samuel A. (See Osse and Ewalt.)						
Ewart, David, Ottawa, Canada. Metallic furring-clip	757,863	Apr. 19	3902	715	109	2081
Ewart, Hugo E., St. Louis, Mo. Currycomb	753,056	Feb. 23	4357	969	108	2062
Ewell, Frank M., Egypt, Wash. Vine-cutter	772,228	Oct. 11	3047	450	112	1413
Ewell, Herbert P., Rochester, Mich. Cement fence-post	760,111	May 17	3063	640 641	110	724
Ewen, Alexander, <i>et al.</i> (See Kellington, John, assignor.)						
Ewing, John H., Liverpool, England. Manifold-copier	778,647	Dec. 27	4339	948	113	2413
Ewing, Malcolm F., and G. H. Tomlinson, Chicago, Ill. Converting wood cellulose	763,472	June 23	3698	798	110	2305
Ewer, Thomas E., Marshfield, assignor of one-half to B. J. Koge, Milwaukee, Wis. Stump-puller	762,233 778,743	June 7 Dec. 27	1173 4491	251 983	110 113	1694 2446
Ewers, Orlando, Readstown, Wis. Fire-escape	769,257	Sept. 6	235	54, 55	112	51
Ewing, Lewis D., Akron, Ohio. Interiorly-ventilated fireproof wall						
Ewing, Thomas H., Jr. (See Ewing, William C., assignor.)						
Ewing, Thomas H., assignor of two-thirds to W. J. Stewart and W. J. Sharon, Wichita, Kans. Animal-poke	757,101	Apr. 12	1770	384	109	1735
Ewing, Thomas H., assignor of two-thirds to W. J. Stewart and W. J. Sharon, Wichita, Kans. Animal-poke	770,632	Sept. 20	2847	605	112	675
Ewing, William C., assignor to T. Ewing, Jr., Yonkers, N. Y. Apparatus for producing images by apertures	773,202	Oct. 25	4174	881	112	1927
Excelsior Manufacturing and Supply Co. (See Woods, Charles G., assignor.)						
Exline, Frank, assignor to Exline Motor and Pump Company, Geddes, S. D. Rotative motor	763,868	June 28	4450	969	110	2465
Exline, Marcus P., Dallas, Tex. Temporary binder	756,106	Mar. 29	5649	1247	109	1301
Exline, Marcus P. and E. Boyke, Dallas, Tex. Bank register and remittance-sheet	768,360	Aug. 23	4531	953	111	2099
Exline Motor and Pump Company. (See Exline, Frank, assignor.)						
Exterkamp, George J., Covington, Ky. Dumping-wagon	752,766	Feb. 23	3758	389	108	1928
Eyermann, Peter, Philadelphia, Pa., assignor to C. T. Schoen, New York, N. Y. Machine for rolling tires	748,594	Jan. 5	75	21	108	19
Eyler, John A., <i>et al.</i> (See Smiley, John B., assignor.)						
Eynon-Evans Manufacturing Company. (See Eynon, Thomas M., assignor.)						
Eynon, Thomas, Chicago, Ill. Milling-cutter	777,250	Dec. 13	1542	342	113	1784
Eynon, Thomas M., Philadelphia, Pa., assignor to Eynon-Evans Manufacturing Company. Condenser	763,169	June 21	3083	664	110	2149
Eynon, Thomas M., Philadelphia, Pa., assignor to Eynon-Evans Manufacturing Company. Condenser						
Eyres, Robert, Aurora, Nebr. Cotton-gin	765,463	July 19	3149	658	111	717
Eyster, Charles, Holcomb, Ill. Harvesting-machine	749,176	Jan. 12	1268	274	108	311
Ezzell, Azzeriah D., Clinton, N. C. Planter	769,471	Sept. 6	661	143	112	150
F. A. Hardy & Co. (See Bertolini, Vincent, assignor.)	764,525	July 5	1260	239	111	275
F. H. Sadler Company. (See Sadler, Louis E., assignor.)						
F. H. Smith Manufacturing Co. (See Smith and Sassaman, assignors.)						
F. J. Hamil Music Company. (See Finley, William H., assignor.)						
F. M. Watkins Company. (See Hecker, Hugo A., assignor.)						
F. S. Webster Company. (See Bedworth, John A., assignor.)						
F. S. Webster Company. (See Mendenhall, Elbert V., assignor.)						
F. S. M. Syndicate. (See Spear, Edwin H., assignor.)						
F. S. M. Syndicate. (See Spear and Moriarty, assignors.)						
Faas, Henry N., assignor to Fountain City Drill Company, La Crosse, Wis. Disk drill.	776,504	Dec. 6	59	15	113	1438
Faas, Henry N., and F. E. Marsh, assignors to Fountain City Drill Company, La Crosse, Wis. Grain-drill	776,505 778,407	Dec. 6 Dec. 27	61 3871	15 843	113 113	1438 2311
Faber, Charles A., Toledo, Ohio. Fountain-pen						
Faber du Faub, Adolph Jr., <i>et al.</i> (See Robinson, James W., assignor.)						
Faber, John P., assignor by mesne assignments, to Faber Sulky Co., Rochester, N. Y. Speed-wagon	743,545	Jan. 12	2061	428	108	483
Faber, John P., assignor, by mesne assignments, to Faber Sulky Co., Rochester, N. Y. Speed-wagon	753,680	Mar. 1	916	207	109	198
Faber Sulky Co. (See Faber, John P., assignor.)						
Fabian, William J., Evansville, Ill. Voucher-check	753,480	Mar. 1	480	119	109	105
Fabrik für Mechanische Hirnholzmosaik, Gesellschaft mit Beschränkter Haftung. (See Wehinger, Johann, assignor.)						
Face, George W., Jr. (See Boykin, Christopher C., assignor.)						
Fader, Silas, assignor to E. J. H. Pauley, Toronto, Canada. Knob attachment	758,743	May 3	336	67	110	83
Faessler, Charles A., Buffalo, N. Y. Centrifugal governor	768,273	Aug. 23	4377	919	111	2066
Faessler, John W., Moberly, Mo. Flue-expander	750,176	Jan. 19	3262	703	108	756
Faessler, John W., Moberly, Mo. Flue-expander	750,177	Jan. 19	3263	704	108	757
Faessler, John W., Moberly, Mo. Boiler-flue cutter	768,437	Aug. 23	4721	990	111	2147
Faessler, John W., Moberly, Mo. Polishing-wheel	709,306	Sept. 6	354	80	112	76
Faessler, John W., Moberly, Mo. Apparatus for boiler-flue work	709,310	Sept. 6	355	81	112	76
Faessler, John W., Moberly, Mo. Flue-cutter	770,082	Sept. 13	739	365	112	408
Fagan, James M., New York, N. Y. Blow-off mechanism	774,057	Nov. 1	1043	223	113	235
Fagan, John J. (See Erickson and Fagan.)						
Fagan, John J. (See Smith, Orson W., assignor.)						
Fagan, William, Abbott, Nebr. Hay-stacker	760,064	May 17	2968	619 620	110	704
Fagan, William A., San Francisco, Cal. Door-releaser	761,290	May 31	5423	1153	110	1272
Fagan, William A., San Francisco, Cal. Door opener or closer	777,193	Dec. 13	1434	317	113	1760

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Fagen, Hugh J. (See Flaherty, James F., assignor.)						
Fagerström, Ernst E. F., Sundbyberg, Sweden. Steam-turbine	754,439	Mar. 15	2478	539	109	576
Fagerström, Ernst E. F., Sundbyberg, Sweden. Detachable blade for steam-turbines	754,984	Mar. 22	3522	771	109	820
Fagot, Frank J., Lowell, Ill. Wheel	774,315	Nov. 8	1509	823	118	357
Fagrellius, Albert D., Chicago, Ill. Device for use in sharpening pencils	770,063	Sept. 13	1730	366	112	408
Faherty, Michael W., assignor of one-half to F. B. Jones, Memphis, Tenn. Cotton-seed huller	752,965	Feb. 23	4186	933	108	2023
Fahlbeck, Pontus E. (See Franzén, Frans A., assignor.)						
Fahnestock, Ernest B., New York, N. Y. Telephone-transmitter	750,835	Feb. 2	104	24	108	1079
Fahnestock, Ernest B., New York, N. Y. Microphone	771,135	Sept. 27	3850	811	112	916
Fahrig, Ernst, Philadelphia, Pa. Treating low-grade ores and tailings by electrolysis	756,223	Apr. 5	62	14	109	1356
Fahney, Daniel P., G. A. Newton, and F. F. Simmons, Springfield, Mo. Pipe-joint	751,273	Feb. 2	936	213	108	1256
Fahney, William H., Chicago, Ill. Means for converting faint vibrations into electrical energy	749,854	Jan. 19	2652	567	108	627
Fahrzeugfabrik Eisenach. (See Rothe, Ernst K., assignor.)						
Fahrzeugfabrik Eisenach. (See Schröder, Heinrich, assignor.)						
Fain, Edward C. (See Bryant and Fain.)						
Fair, George. (See Lamb, Dana W., assignor.)						
Fair, Richard, Moosup, and S. P. Davis, Danielson, Conn. Locomotive turn-table	752,539	Feb. 16	3305	736	108	1812
Fairall, Harry K. (See Hart and Fairall.)						
Fairbanks, Ernest H., Philadelphia, Pa. Insulator-support	775,812	Nov. 22	4613	978	113	1091
Fairbanks, James G., and G. L. Sauer, Marion, Ohio. Locomotive-crane	755,644	Mar. 23	4724	1051	109	1094
Fairbanks, James G., and G. L. Sauer, Marion, Ohio. Boom	774,240	Nov. 8	1370	392	113	336
Fairbanks, John A., Cambridge, Mass., assignor to H. R. Bradley, Bangor, Me. Recorder for bell-buoys	761,630	May 31	6039	1295 1296 1296	110	1412
Fairbanks, Leonard F., Hopkinton, Mass. Machine for upsetting wheel-tires	771,050	Sept. 27	3675	774 775	112	876
Fairbanks, Morse and Company. (See Bivert, Eugene, assignor.)						
Fairbanks, Morse & Company. (See Hobart, Franklin G., assignor.)						
Fairbanks, Robert N., London, England, assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Relieving-gear for track-scales	777,011	Dec. 6	1098	238 239	113	1670
Fairbanks, Robert N., London, England, assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Weighing-scale	777,012	Dec. 6	1100	239	113	1671
Fairbrother, Frederic A., Jr., Providence, R. I. Gem-setting	775,030	Nov. 15	2939	626	113	695
Fairchild, Frank H., assignor of one-half to J. S. Thrasher, Detroit, Mich. Musical instrument	766,087	July 26	4259	910	111	966
Fairchild, Frank J., assignor of one-half to F. Powell, Toledo, Ohio. Street-car fender	773,982	Nov. 1	808	170	113	196
Fairchild, Harry C., Passaic, N. J. Book-mark	759,427	May 10	1736	351	110	413
Fairchild, Nelson D., Olean, N. Y. Monkey-wrench	748,938	Jan. 5	746	162	108	170
Fairfield, Orlando W., San Francisco, Cal. Sawing-machine	767,397	Aug. 16	2564	539	111	1643
Fairhurst, William S., assignor of one-half to J. J. Riley, Brooklyn, N. Y. Unloading device for air-compressors	737,901	Apr. 19	3375	729	109	2098
Fairly, Angus, Laurnburg, N. C. Fertilizer-distributor	772,229	Oct. 11	2048	450	112	1414
Fairman, George B. (See Tottle and Fairman.)						
Fairmont Machine Company. (See Anderson, Gustave E., assignor.)						
Fairweather, Wallace. (See Morton, Gavin, assignor.)						
Fairweather, William B. (See Duffield and Fairweather.)						
Faisan, Leo P., Gelonda, Nev. Friction-tread for vehicle-tires	775,722	Nov. 22	4447	941	113	1056
Falcon Rubber Co. (See Longden, Charles E., assignor.)						
Falcone, Agazio, Florence, Italy. Electric-telegraph apparatus	753,690	Mar. 1	916	207 123 124 125 126 127	109	198
Falding, Frederic J., New York, N. Y. Roasting or desulfurizing furnace	756,485	Apr. 5	586	109	1466	
Falen, William M., Wakefield, Kans. Mail-sack holder	756,610	Apr. 5	796	176	109	1511
Fales, Lewis F. (See Barter, Frank, assignor.)						
Fales, Willard L. (See Blatz and Fales.)						
Falk Company. (See Falk, Herman W., assignor.)						
Falk, George, La Crosse, Wis. Attachment for palls	769,258	Sept. 6	239	55	112	52
Falk, Herman W., assignor to Falk Company, Milwaukee, Wis. Means for operating hydrocarbon-burners for metallurgical furnaces	757,606	Apr. 19	2798	612	109	1972
Falk, Leo, Baden, Switzerland. Air-cooled electric machine	771,468	Oct. 4	484	109 110	112	1061
Falk, Louis A. (See Bullard and Falk.)						
Falkenau-Sinclair Machine Company. (See Bramwell, Joseph W., assignor.)						
Falkenwald, Oscar, assignor of one-half to J. S. Williams, Baltimore, Md. Gaseous-fuel burner	757,395	Apr. 12	2368	515	109	1862
Falla, Ernest J., and P. F. Barrett, Hastings, England. Register device for printing-machines	777,849	Dec. 20	2746	605	113	2057
Faller, Automatic Telephone Exchange Company. (See Faller, Ernest A., assignor.)						
Faller, Ernest A., assignor of one-half to J. W. Chisholm, New York, N. Y. Signaling apparatus	757,090	Apr. 12	1638	356 357 357	109	1706
Faller, Ernest A., assignor of one-half to J. W. Chisholm, New York, N. Y. Semi-automatic telephone-exchange	757,091	Apr. 12	1646	357 358	109	1708
Faller, Ernest A., New York, N. Y., assignor to Faller Automatic Telephone Exchange Company. Signaling apparatus	762,695	June 14	2139	466	110	1922
Faller, Oskar. (See Seemen, Rühle, and Faller.)						
Fallows, Edward H. (See Leslie, Leon M., assignor.)						
Fallows, Edward H., executor. (See Powter, Nathaniel B.)						
Faltermayer, Harry, Philadelphia, Pa., assignor to Adams Top Cutting Machine Company, East Orange, N. J. Fabric-cutting machine	748,853	Jan. 5	566	129	108	127
Faltermayer, Harry, assignor of one-half to W. J. Caskey, Philadelphia, Pa. Light-controlling system	758,589	Apr. 26	4745	1023	109	2420
Falwell, L. Wray. (See Briggs and Falwell.)						
Fancher, Charles G., Springfield, Ill. Dial for computing-scales	773,135	Oct. 25	4011	850 851 851	112	1891
Fancher, Charles J., West Granby, Conn. Envelope-sealing machine	761,824	June 7	428	86, 87	110	1534
Fancher, James R. (See Spang, Henry W., assignor.)						
Fancher, Rosman L., Cincinnati, Ohio. Apparatus for scalding and washing fruits and vegetables	757,186	Apr. 12	1948	425 426 426	109	1776
Fankhauser, Arnold, A. Byser, Baden, Switzerland, and F. J. B. Knibiehler, Lörrach, Germany, assignors to Wegmann & Co., Baden, Switzerland. Apparatus for dyeing, &c.	775,621	Nov. 22	4249	895 896 896	113	1014
Fanning, Benjamin, Newark, N. J. Display-stand for sanitary fixtures	769,472	Sept. 6	662	143	112	151
Fanning, Charles E., assignor to Folding Baby Carriage Company, Davenport, Iowa. Folding vehicle	751,843	Feb. 9	1973	448 449	108	1496

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Fanning, John E., Norwich, Conn. Curtain-rod support.....	769,859	Sept. 13	1386	295	112	332
Fanning, William F., Chicago, Ill. Bottle-filling machine.....	763,601	June 28	3919	852	110	2351
Fannon, Robert P., Chicago, assignor, by mesne assignments, to D. Dunton, Carpenters- ville, Ill. Telephone-transmitter hood.....	759,428	May 10	1737	351 352	110	413
Fanta, Ferdinand, London, England. Filament attachment for electric glow-lamps.....	768,173	Aug. 23	4173	878	111	2021
Fanton, Sterling H., Danbury, Conn. Hat-dipping machine.....	767,806	Aug. 16	3347	709	111	1820
Farbenfabriken of Elberfeld Co. (See Berchellmann, Wilhelm, assignor.)						
Farbenfabriken of Elberfeld Co. (See Berendes, Rudolf, assignor.)						
Farbenfabriken of Elberfeld Co. (See Callsen, Jürgen, assignor.)						
Farbenfabriken of Elberfeld Co. (See Eichengrün and Braun, assignors.)						
Farbenfabriken of Elberfeld Co. (See Engelmann, Max, assignor.)						
Farbenfabriken of Elberfeld Co. (See Gentsch, Curt, assignor.)						
Farbenfabriken of Elberfeld Co. (See Hofmann, Fritz, assignor.)						
Farbenfabriken of Elberfeld Co. (See Kéler, Hermann von, assignor.)						
Farbenfabriken of Elberfeld Co. (See Kugel, Max, assignor.)						
Farbenfabriken of Elberfeld Co. (See Schmidt, Robert E., assignor.)						
Farbenfabriken of Elberfeld Co. (See Schmidt and Tust, assignors.)						
Farbenfabriken of Elberfeld Co. (See Witter, Hugo, assignor.)						
Farbenfabriken of Elberfeld Co. (See Wolman, Ludwig, assignor.)						
Farblederwerke S. Marx & Söhne. (See Dornauf, Georg, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Emmerich, Wilhelm, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Gullbransson, Gillis, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Hepp and Uhlenhuth, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Hepp and Wolpert, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Homolka and Bolzano, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Homolka and Erber, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Homolka and Schwan, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Liebrecht, Arthur, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Mathe, Ernst, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Merling and Eichwede, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Moest, Martin, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Overlach, Martin, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Ritscut and Epstein, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Schirmacher, Carl, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Schmidt, Albrecht, assignor.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Schmidt and Bethmann, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Schmidt and Müller, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Schmidt and Rhodius, assignors.)						
Farbwerke, vorm. Meister, Lucius & Brüning. (See Sobst, Otto, assignor.)						
Fargas-Oliva, Pedro, Barcelona, Spain. Manufacturing glue or size.....	768,274	Aug. 23	4978		111	2066
Fargo, Enoch J., et al. (See Penn, William E., assignor.)						
Fargo, Frank B., et al. (See Penn, William E., assignor.)						
Farish, Joseph F., et al. (See Dawes, Charles A., assignor.)						
Farley, James, Waukesha, Wis. Automatic lubricator.....	775,673	Nov. 22	4359	919	113	1037
Farley, James, Waukesha, Wis. Pneumatic sander.....	777,087	Dec. 13	1280	275	113	1721
Farley, John C., Ennis, assignor of one-third to H. Prince, Houston, Tex. Cotton, berry, or vegetable picking or dairy stool.....	759,809	May 10	2467	516	110	574
Farley, John W. (See Lanphier, Frederick W., assignor.)						
Farley, Joseph W. (See Peck and Farley.)						
Farley, Joseph W., East Pittsburg, Pa., assignor to Westinghouse Electric & Manu- facturing Company. Winding for electrical apparatus.....	776,653	Dec. 6	373	81	113	1511
Farley, Joseph W., East Pittsburg, Pa., assignor to Westinghouse Electric & Manu- facturing Company. Coil for electrical apparatus.....	776,654	Dec. 6	375	81	113	1511
Farley, Peter, Glenridge, N. J. Riveted joint.....	771,236	Oct. 4	30	6	112	967
Farmer, Albert J., assignor to Cannors Machine Co., San Francisco, Cal. Centrifugal washer for fish-dressing machines.....	751,388	Feb. 2	1135	258	108	1299
Farmer, Arthur J., Detroit, Mich. Device for applying liquids to the scalp.....	753,968	Mar. 8	1514	337	109	349
Farmer, Arthur J., Detroit, Mich. Dial.....	766,679	Aug. 2	1114	232	111	1289
Farmer, Charles H., New York, N. Y. Cutting-board.....	760,618	May 24	4096	858	110	958
Farmer, Frederick, assignor to M. J. Whittall, Worcester, Mass. Oiling device for looms.	751,063	Feb. 2	517	121	108	1173
Farmer, James, Barry, Ill. Draft-equalizer.....	763,966	Feb. 23	4187	933	108	2023
Farmer, John P., assignor to A. F. Flegel, Portland, Oreg. Atomizer.....	756,161	Mar. 29	5731	1266	109	1319
Farmer, John P. and S., assignors to A. F. Flegel, Portland, Oreg. Stamp-affixing ma- chine.....	778,744	Dec. 27	4492	983 984 985	113	2446
Farmer, Julius M., assignor of part to J. Vierthaler, J. Derfus, J. E. Matteson, E. L. Terrell, V. A. Gudex, D. P. Redd, C. S. Matteson, and C. T. H. Clifford, Milwaukee, Wis. Self-threading sewing-machine needle.....	752,213	Feb. 16	2678	593	108	1673
Farmer, Samuel. (See Farmer, John P. and S.)						
Farnam, Milan D. (See Austin and Farnam.)						
Farnes, Frank J., Seattle, Wash. Compressing and straining machine.....	772,230	Oct. 11	2050	450	112	1414
Farnham, Arthur C., et al. (See Waters, Frank J., assignor.)						
Farnham, Frank E., Providence, R. I. Cuff-button.....	769,732	Sept. 13	1135	244	112	275
Farnham, Neal, Chicago, Ill. Waterproofing and finishing the surface of stone, brick, or other analogous porous material.....	748,595	Jan. 5	76	33	108	19
Farnham, Schuyler E., assignor of one-fourth to R. W. Hindley, Racine, Wis. Address- ing-machine.....	766,233	Aug. 2	178	34 35	111	1081
Farnoff, Jay W., assignor of two-thirds to H. Koons, Buffalo, N. Y.; E. L. Koons and M. A. Reiman, executors of said H. Koons, deceased. Inflatable vehicle-tire.....	777,617	Dec. 13	3276	500	113	1942
Farnoff, Jay W., assignor of two-thirds to H. Koons, Buffalo, N. Y.; E. L. Koons and M. A. Reiman, executors of said H. Koons, deceased. Fastening for vehicle-tires.....	777,618	Dec. 13	3277	500	113	1943
Farnquist, Peter, Litchfield, Minn. Washing-machine.....	759,251	May 10	1390	278	110	337
Farnsworth, Arthur J., assignor to Railway Electrical Improvement Company, New York, N. Y. Transmission-gear.....	772,348	Oct. 18	2309	506	112	1495
Farnsworth, Arthur J., assignor to Railway Electrical Improvement Company, New York, N. Y. Power-transmission device.....	772,349	Oct. 18	2313	507	112	1496
Farnsworth, Arthur J., assignor to Railway Electrical Improvement Company, New York, N. Y. Variable-speed dynamo.....	777,194	Dec. 13	1436	318	113	1761
Farnsworth, George L. (See Sneed and Farnsworth.)						
Farnsworth, Henry T., Glade Spring, Va. Automatic pneumatic signal system.....	760,187	May 17	3219	674 675	110	758
Farnsworth, Henry T., Glade Spring, assignor of one-half to G. N. Werts, Abingdon, Va. Fluid-motive-power pump.....	761,366	May 31	5578	1188	110	1309

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Farnsworth, Philip, Schenectady, N. Y., assignor to General Electric Company. Electric railway	766,335	Aug. 2	392	83,84	111	1127
Farnum, William C., Arlington, Vt., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine	752,214	Feb. 16	2679	594	108	1673
Farnum, William C., Arlington, Vt., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine	752,215	Feb. 16	2683	594	108	1674
Faroux, Charles E., Levallois-Perret, France. Monorail traction	774,058	Nov. 1	1044	233 224	113	236
Farquhar, Mowbray G. (See Thorneycroft and Farquhar.)						
Farr, Charles W., Chicago, Ill. Sounding apparatus	751,623	Feb. 9	1552	353 851 852	108	1407
Farrand, Dudley, Newark, N. J., and P. C. Oscanyan, New York, N. Y. Elastic-fluid turbine	773,136	Oct. 25	4014	851 852	112	1891
Farrand, Hiram A., New York, N. Y. Apparatus for producing moving pictures	762,519	June 14	1773	379 380	110	1843
Farrand Organ Company. (See Angstman, Adam, assignor.)						
Farrand Organ Company. (See Courville, Joseph, assignor.)						
Farrand Organ Company. (See Courville and Draper, assignors.)						
Farrand Organ Company. (See Draper, Francis W., assignor.)						
Farrand Organ Company. (See Hintz, Otto F., assignor.)						
Farrand Organ Company. (See Whitehead, Aura E., assignor.)						
Farrand & Votey Organ Company. (See Courville, Joseph, assignor.)						
Farrand & Votey Organ Company. (See Courville, Joseph, assignor.) (Reissue.)						
Farrant, Frederick W., San Francisco, Cal. Glove	750,443	Jan. 26	3758	817	108	836
Farrar, James H., Dundee Lake, assignor to H. Doherty, Paterson, N. J. Swivel-loom	751,725	Feb. 9	1736	394	108	1444
Farrel, Guillermo, and B. Etcheagaray, San Luis Potosi, Mexico. Steam-generator	762,893	June 21	2549	553 554	110	2090
Farrell, Francis J., Cincinnati, Ohio. Scraper device for paint-mills	778,020	Dec. 20	3101	681	113	2127
Farrell, George, assignor to M. W. Carr & Company, West Somerville, Mass. Extensible belt or girder	758,240	Apr. 26	4044	878	109	2262
Farrell, Joseph G. (See Davis, Riley L., assignor.)						
Farrell, Michael, Chicago, Ill. Faucet	756,346	Apr. 5	313	64	109	1410
Farrell, Philip H., Flushing, N. Y. Stone-holder	774,383	Nov. 8	1627	349	113	383
Farrell, Stephen A. (See Tweed, John C., assignor.)						
Farron, Frank M. (See Lewis, Farven, and Smith.)						
Farrington, Charles O., Palestine, Tex. Vaginal irrigator	766,336	Aug. 2	396	84	111	1128
Farrington, Frank W., and G. C. Tucker, Massillon, Ohio. Stovepipe-ventilator	773,723	Nov. 1	362	80	113	86
Farwell, Fay O., assignor of one-half to Adams Company, Dubuque, Iowa. Variable-speed and reversing mechanism	775,467	Nov. 22	4303	909	113	1026
Farwell, George A., Boston, Mass., assignor of one-half to H. L. Winterer, Philadelphia, Pa. Pumping and dredging apparatus	775,267	Nov. 15	3471	733	113	823
Farwell, Scott M., Hanover, Ill., assignor of one-half to S. R. Jeffers, Lone Wolf, Okla. Ter. Washing-machine	756,347	Apr. 5	313	64, 65	109	1410
Faschian, Herman, assignor of one-half to P. Roppen, San Francisco, Cal. Folding or cabinet bed	756,162	Mar. 29	5732	1266	109	1319
Fashion Specialty Company. (See Triner, James M., assignor.)						
Fasoldt, Charles, Grand Rapids, Mich. Overalls	765,156	July 2	2544	531	111	567
Fassett, Francis K., assignor to L. Ehrlich, St. Louis, Mo. Pneumatic hammer	750,836	Feb. 12	107	25	108	1081
Fassett, Francis K., assignor to L. Ehrlich, St. Louis, Mo. Register	773,724	Nov. 1	363	81	113	86
Fassett, Francis K., assignor to S. G. Scarritt, St. Louis, Mo. Car-seat	775,528	Nov. 22	4022	849	113	905
Fatic, Henry, Middletown, Ind., assignor, by mesne assignments, to Swantz Company, Chicago, Ill. Adjustable wheel-flange. (Reissue.)	12,212	Apr. 12	2431	530 398 400	109	1876
Fauber, William H., Elgin, Ill. Folding bed	764,842	July 12	1941	899 898 400	111	441
Faucher, Jules, Lawrence, Mass. Runner for vehicles	750,957	Feb. 2	335	80	108	1132
Fauchet, Albert, Vienna, Austria-Hungary. Rock-drilling machine	748,712	Jan. 5	300	67	108	66
Faucou, Narcisse, Dijon, France. Hygienic night-stand	774,572	Nov. 8	1990	432	113	459
Faught, Jerry A., Emet, Ind. Ter. Shovel-pole	776,506	Dec. 6	62	15	113	1438
Faught, John E., Columbia City, Ind. Furniture-joint fastening	762,294	June 14	1322	282	110	1747
Faulder, Thomas, assignor to H. A. Moyer, Syracuse, N. Y. Dump-wagon	769,944	Sept. 13	1541	328	112	364
Faulhaber, Frederick A., Newark, N. J. Bow-holder for cases for musical instruments	749,433	Jan. 12	1810	380	108	423
Faulkner, Edward J. (See Rust and Faulkner.)						
Faulkner, Joseph A., Williamsville, Mo. Washboard	755,860	Mar. 29	5174	1145	109	1199
Faulkner, Joseph A., Williamsville, Mo. Railway-switch	762,158	June 7	1037	217 218	110	1664
Faure, Pierre P., Limoges, France. Decorticating machine	763,170	June 21	3085	864	110	2149
Faurote, Fay L., Ann Arbor, Mich. Electrical switch	759,600	May 10	2065	423	110	484
Faust, Bernard A., and J. A. Unger, Parkston, S. D. Buckling end-gate for wagons	768,739	Aug. 30	5354	1128	111	2302
Faust, Casper, Rhineland, Wis. Lock	752,148	Feb. 16	2560	569	108	1645
Faust, Casper, Rhineland, Wis. Means for securing screen or storm sashes to window-frames	769,259	Sept. 6	240	55, 56 162	112	52
Faust, Emily C., Kasson, Minn. Chart or pattern for crochet-work	748,939	Jan. 5	747	163	108	107
Faust, Jacob N., Chicago, Ill. Combined shoulder-braces and suspenders	773,282	Oct. 25	4328	914	112	1962
Faust, Peter, Brooklyn, N. Y. Cocoa-mill	753,120	Feb. 23	4482	998	108	2089
Favorite, William T., et al. (See Barton, Edward H., assignor.)						
Favre-Jacot, Georges, Le Locle, Switzerland. Stem winding and setting mechanism for watches	772,409	Oct. 18	2428	533	112	1521
Favre, Louis E., Cormoret, Switzerland. Watch	764,384	July 12	2139	442	111	485
Fawcett, William E., Swissvale, Pa. Adjustable curtain-pole	776,655	Dec. 6	376	82	113	1512
Fawell, Joseph, Pittsburg, Pa. Reversing-engine	766,498	Aug. 2	731	152	111	1200
Fawkes, Charles G., Denver, Colo. Tire-rim	776,047	Nov. 29	5094	1075	113	1217
Fawkes, Charles G., assignor to Fawkes Rubber Company, Denver, Colo. Mold for tires	770,896	Sept. 27	3374	712	112	809
Fawkes, Charles G., assignor to Fawkes Rubber Company, Denver, Colo. Tire	776,656	Dec. 6	377	82	113	1512
Fawkes Rubber Company. (See Fawkes, Charles G., assignor.)						
Fawkes, Wilbert C., Minneapolis, Minn. Washing-machine	756,224	Apr. 5	65	14	109	1356
Fawkes, Wilbert C., Minneapolis, Minn. Washing-machine	759,601	May 10	2067	423	110	485
Fawthrop, James H. (See Dennis and Fawthrop.)						
Fay, Charles E., and J. H. Hill, South Omaha, Nebr. Barrel-head fastening	777,887	Dec. 20	2832	632	113	2075
Fay, Charles N., assignor to Fay-Shoes Company, Chicago, Ill. Tabulating mechanism for type-writing machines	762,540	Feb. 16	3307	736	108	1812
Fay, Charles P., assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Breech-loading firearm	761,463	May 31	5739	1234	110	1346
Fay, George F., Seattle, Wash. Door or window securer	778,823	Dec. 27	4655	1017	113	2483
Fay, Irving H., Indio, assignor to F. Stebler, Riverside, Cal. Fruit-feeder	750,628	Jan. 26	4104	889	108	957

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Fay, John, Jersey City, N. J. Instrument for determining the position of cutters on sliding cutters-heads.....	750,629	Jan. 26	4105	889	108	957
Fay, Rimmon C., Philadelphia, Pa. Variable-speed-transmission device.....	765,173	July 19	2567	536	111	591
Fay, Roy A. (See Eaton and Fay.)						
Fay-Shoes Company. (See Fay, Charles N., assignor.)						
Fay-Shoes Company. (See Hochklassen, Henry, assignor.)						
Fearn, William E., Camden, N. J. Electric railway.....	760,325	May 17	3469	730	110	814
Fearn, Thomas J., New York, N. Y. Garment-holder.....	768,087	Aug. 23	3852	809	111	1949
Feathers, Sarah L., Prairie City, Iowa. Fruit-drier.....	768,438	Aug. 23	4732	990	111	2143
Featherstone, James W., Barker, N. Y. Acetylene-gas generator.....	773,860	Nov. 1	649	138	113	150
Fechheimer, S. Marcus, <i>et al.</i> (See Oertly, John, assignor.)						
Fechtenburg & Co., Wm. (See Jurado, Santos, assignor.)						
Feder, Emanuel, Cleveland, Ohio. Mechanism for actuating sliding window-sash.....	759,508	May 10	1891	380	110	448
Federal Marking Machine Company. (See Sheetz, William J., assignor.)						
Federal Trust Company. (See Gillette, King C., assignor.)						
Fee, Thomas, Brooklyn, N. Y. Pipe-hanger.....	753,969	Mar. 8	1515	337	109	349
Feeley, Matthew J. (See Michou, Fred, assignor.)						
Feely, William C., New York, N. Y. Head-rest for bedsteads.....	771,773	Oct. 4	1082	242	112	1190
Fearn, Joseph, Manchester, England. Re-turning machine for manufacturing shoes.....	771,975	Oct. 11	1571	341	112	1285
Fegert, Edward, assignor to Wagner Mfg. Co., Cedarfalls, Iowa. Scaffold-bracket hanger.....	761,156	May 31	5160	1095	110	1217
Fehr, Filip, Trenton, N. J. Train-signal.....	767,140	Aug. 9	3079	431	111	1522
Fehr, Edgar O., Orangeville, Ill. Dump-car elevator.....	771,899	Oct. 11	1360	309	112	1264
Fehr, William, Philadelphia, Pa. Heddle.....	748,713	Jan. 5	301	68	108	67
Fehr, William, Philadelphia, Pa. Producing heddles.....	749,723	Jan. 19	2410	509	108	574
Fehr, William, and J. Kaufmann, Philadelphia, Pa.; said Fehr assignor to Steel Heddle Manufacturing Company. Heddle-bar fastening.....	754,860	Mar. 15	3295	718	109	754
Feld, Alexander J., Raleigh, N. C. Cover for boxes or caddies.....	762,894	June 21	2552	554	110	2031
Feldberg, Isaac H. (See Hudec, Paul, and Siegel.)						
Feingold, Joseph, Frankfort-on-the-Main, Germany. Electromagnetic apparatus for operating reciprocating mechanisms.....	778,021	Dec. 20	3104	682	113	2128
Feldmaschinenbau G. Calberla, G. M. B. H. (See Paul and Hartlieb, assignors.)						
Felring, Andrew B., Esmond, N. D. Leveling-boiler for separators.....	776,016	Nov. 29	5040	1063	113	1204
Felbel, Jacob. (See Gabrielson, Carl, assignor.)						
Felbel, Jacob, New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	764,935	July 12	2140	442	111	485
Felbel, Jacob, New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	776,017	Nov. 29	5042	1064	113	1205
Feld, Walther, Hönningen-on-the-Rhine, Germany. Making hydrocyanic acid.....	764,443	July 5	1096	111	243	
Feldhamer, David, and N. Oelgiesser, New York, N. Y. Artificial marble.....	763,383	June 28	3523	110	2268	
Feldkamp, Frederick A., Newark, N. J., assignor to Electra Manufacturing Company. Producing electrodes for storage batteries.....	748,940	Jan. 5	749	108	170	
Feldkamp, Frederick A., Newark, N. J., assignor to Electra Manufacturing Company. Producing electrodes for storage batteries and electrode.....	749,855	Jan. 19	2653	567	108	627
Feldman, Ira, <i>et al.</i> (See Tower, William G., assignor.)						
Feldmeyer, Joseph, Würzburg, Germany. Smoothing-iron.....	763,384	June 28	3527	760	110	2268
Felker, James M. (See Harriman and Felker.)						
Felker, Melancthon O., Chicora, Pa. Whip-stock-loop connection.....	765,824	July 26	3875	825	111	883
Felker, Melancthon O., Chicora, Pa. Swaging-tool.....	765,825	July 26	3876	825	111	883
Felker, Melancthon O., Chicora, Pa. Means for uniting whip-sections.....	765,826	July 26	3877	825	111	883
Felker, Melancthon O., Chicora, Pa. Swaging-tool.....	765,827	July 26	3879	826	111	883
Felker, Melancthon O., Chicora, Pa. Whip-cracker connection.....	770,897	Sept. 27	3875	712	112	899
Fell, William S. (See Dupuis and Fell.)						
Feller, Joseph E., Brooklyn, N. Y. Electric signal.....	754,208	Mar. 8	1954	435	109	447
Fellheimer, Alfred, Chicago, Ill. Electrical conduit.....	772,350	Oct. 18	2316	507	112	1497
Fellman, Edward J. (See Romuender and Fellman.)						
Fellows, Hugh W., assignor of one-half to H. Cogswell, Los Angeles, Cal. Automatic feed for steam-boilers.....	756,948	Apr. 12	1460	323	109	1609
Fellows, Olin S. (See Hopkins and Fellows.)						
Fellows, Olin S., and A. E. Hopkins, Middletown, N. Y.; said Hopkins assignor to said Fellows. Controlling and separating apparatus.....	778,022	Dec. 20	3108	683	113	2128
Fells, Noah, New York, N. Y. Glass-cutter.....	778,023	Dec. 20	3114	685	113	2130
Felmlee, Samuel T., assignor of three-eighths to F. H. Wood, Chicago, Ill. Vehicle or other wheel.....	772,651	Oct. 18	2992	636	112	1631
Felsing, Conrad, Jr., Coepenick, Germany. Device for winding silk, cotton, or other materials on wire.....	767,267	Aug. 9	2312	484	111	1571
Felsing, Conrad, Jr., Coepenick, Germany. Machine for covering wire with rubber or the like.....	767,268	Aug. 9	2315	485	111	1572
Felt, Dorr E., Chicago, Ill. Calculating-machine.....	762,520	June 14	1775	380	110	1843
Felt, Dorr E., Chicago, Ill. Registering mechanism for calculating-machines.....	762,521	June 14	1786	382	110	1846
Felt, Dorr E., Chicago, Ill. Canceling mechanism for calculators.....	767,107	Aug. 9	2010	418	111	1507
Felt, Dorr E., assignor to Comptograph Company, Chicago, Ill. Calculating-machine.....	749,177	Jan. 12	1269	274	108	311
Felt, Willard O., New York, N. Y. Purifying gas.....	769,860	Sept. 13	1387	295	112	332
Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Frisch, Johannes, assignor.)						
Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Hardingham, George G. M., assignor.)						
Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Schleifenbaum and Schürer, assignors.)						
Felthousen, Harriet E., Jersey City, N. J. Cushion for douche-pans.....	756,007	Mar. 29	5463	1205	109	1262
Felton, Samuel M. (See Mansfield and Felton.)						
Feltus, Barton B., Mingary, South Australia, Australia. Wire-working tool.....	750,630	Jan. 26	4108	889	108	958
Feltus, Henry A., Minneapolis, Minn. Self-heating sad-iron.....	751,156	Feb. 2	683	157	108	1205
Fennimore, William C., Hancock's Bridge, N. J. Cap-cutting gage.....	770,800	Sept. 27	3172	612	112	764
Fenn, Edward J., New Decatur, Ala. Hitching-strap.....	749,736	Jan. 19	2411	509	108	574
Fenn, Emory W., New York, N. Y. Floor and ceiling support.....	766,609	Aug. 2	968	203	111	1256
Fenn, William B., Washington, Pa. Sectional molded vessel.....	755,223	Mar. 22	3935	871	109	900
Fenn, William B., Washington, Pa. Jar-closure.....	758,515	Apr. 26	4601	990	109	2389

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Fenn, William B., Washington, Pa. Jar-closure	759,168	May 3	1147	233	110	261
Fenn, William B., Washington, Pa. Sheet-glass-making apparatus	765,570	July 19	3839	701	111	757
Fenn, William B., Washington, Pa. Glass pressing and blowing machine	767,807	Aug. 16	3850	709	111	1820
Fenn, William B., Washington, Pa. Salt-cellar	768,439	Aug. 23	4725	991	111	2148
Fenn, William B., Washington, Pa. Sectional glass vessel	768,440	Aug. 23	4726	991	111	2148
Fennell, William J. (See Olsen and Fennell.) Jar-closure	769,600	Sept. 6	886	191	112	200
Fenner, George P., New London, Conn. Inking mechanism for printing-presses	749,546	Jan. 12	2062	428	108	483
Fenner, George P., New London, Conn. Delivery-track for printing-presses	756,008	Mar. 29	5464	1205	109	1262
Fenner, George P., New London, Conn. Adjusting wheel-track for type-beds of printing-presses	771,865	Oct. 11	1282	287	112	1248
Fenner, George P., New London, Conn. Sheet-transferring device for printing-presses	774,573	Nov. 8	1901	432	113	459
Fenner, George P., New London, Conn. Bed-motion for printing-presses	777,337	Dec. 13	1714	373	113	1823
Fenner, George E., and F. W. Trash, London, England. Pneumatic tire for vehicle-wheels	777,719	Dec. 20	2459	540	113	1907
Fenstermacher, Charles E., Lehighton, Pa. Nose-guard for eyeglasses	778,251	Dec. 27	3501	770	113	2221
Fenton, Thomas, Attleboro, Mass. Cuff-button	770,898	Sept. 27	3377	713	112	810
Fererro, Frank, St. Louis, Mo. Carpet-stretcher	766,816	Aug. 9	1429	299	111	1378
Ferguson, Arthur C., Brooklyn, N. Y. Electrical signal-transmitter	769,994	Sept. 13	1644	348	112	389
Ferguson, Arthur C., Brooklyn, N. Y. Electrical signal-transmitter	769,473	Sept. 6	664	143	112	151
Ferguson, Dougald R., Wilkensburg, and A. E. Maccoun, Braddock, Pa. Frictional brake device for hoists	767,742	Aug. 16	3222	679	111	1792
Ferguson, Fergus, Santa Rosa, Cal. Drawers-supporting attachment for suspenders	751,064	Feb. 2	519	121	108	1173
Ferguson, Fergus, Santa Rosa, Cal. Garment-supporter	763,271	June 21	3272	705	110	2190
Ferguson, Forrest, St. Louis, Mo. Necktie-securing device	757,730	Apr. 19	3046	664	109	2026
Ferguson, Frank A., Blanchard, Iowa. Two-speed reversing-gear	763,548	June 28	3833	829	110	2332
Ferguson, George, and J. W. Kissell, Long Island City, N. Y. Building-block	778,024	Dec. 20	3115	685	113	2130
Ferguson, George C., Fredericton, Canada. Shoe-lace fastener	750,526	Jan. 26	3916	849	108	919
Ferguson, J. A. (See Denton, Gilbert H., assignor.)						
Ferguson, J. B. (See Rosedale, Adolph, assignor.)						
Ferguson, Jay S., South Sharon, Pa. Wire-rod-cleaning machine	754,209	Mar. 8	1937	436	109	448
Ferguson, John A. (See Kidder, Frank E., assignor.)						
Ferguson, John A., Denver, Colo. Wall construction	767,398	Aug. 16	2565	539	111	1644
Ferguson, John A., Denver, Colo. Mold for building-blocks	769,601	Sept. 6	887	191	112	201
Ferguson, John A., Denver, Colo. Wall for buildings	771,816	Oct. 11	1179	263	112	1226
Ferguson, John A., Denver, Colo. Mold for building-blocks	772,032	Oct. 11	1644	368	112	1326
Ferguson, K. (See Kidder, Frank E., assignor.)						
Ferguson, Louis, et al. (See Elgen, Magnus P., assignor.)						
Ferguson, Mantion M., and G. L. Eason, Des Moines, Iowa. Band-fastener for cylindrical tanks	759,255	May 10	1391	278	110	338
Ferguson, Milford B. (See Merritt and Ferguson.)						
Ferguson, Noah, Lapaz, Ind. Railway-tie tamper	759,359	May 10	1611	324	110	384
Ferguson, Richard H., and L. N. Prevost, Baltimore, Md. Wire-stretcher	763,549	June 28	3835	830	110	2333
Ferguson, Robert B., Los Angeles, Cal. Spirit-level	756,949	Apr. 12	1463	323	109	1670
Ferguson, Sidney U., Perry, Okla. Ter. Hydrocarbon-lamp	770,425	Sept. 20	2447	517	112	586
Ferguson, Thomas B., Jr., Brooklyn, and E. R. Brush, New York, N. Y.; said Brush assignor to said Ferguson. Petroleum-burner	774,747	Nov. 15	2964	511	113	562
Ferguson, William, Chicago, Ill. Fence-post	761,291	May 31	5425	1153	110	1273
Ferguson, William S., Wilkensburg, Pa. Digging or dredging bucket	768,118	Aug. 23	4078	859	111	2001
Ferguson, William W. (See Stenger, Francis J., assignor.)						
Ferguson, Alan R., New York, N. Y. Electric fan	758,305	Apr. 26	4200	903	109	2299
Ferguson, Alan R., assignor to Electro-Mechanical Specialty Company, New York, N. Y. Office-desk telephone	758,304	Apr. 26	4197	903	109	2298
Ferguson, Alan R., assignor to Electro-Mechanical Specialty Company, New York, N. Y. Electric switch	758,306	Apr. 26	4202	904	109	2299
Ferguson, Constance T., New York, N. Y. Hat	758,536	Dec. 27	4112	896	113	2353
Ferland, Albert, Lawrence, Mass. Tenpin game	764,185	July 5	547	108	111	121
Fern, John and W. H., assignors of one-tenth to A. W. Ruehling, Scranton, Pa. Coal-separator	773,556	Nov. 1	47	10	113	15
Fern, William H. (See Fern, John and W. H.)						
Fernald, George H., Northeast, Pa. Trace-holder	775,132	Nov. 15	3149	669	113	742
Fernald, Granville, Washington, D. C., assignor to G. S. Fernald, St. Paul, Minn. Machine for cutting trenches through asphaltic pavements	755,645	Mar. 29	4726	1051	109	1095
Fernald, Gustavus S. (See Fernald, Granville, assignor.)						
Fernan, James, Huron, S. D. Attachment for grain-separators	772,312	Oct. 11	2233	487	112	1455
Fernandez, Andres, Pachuca, Mexico. Lining for subterranean passages	777,013	Dec. 6	1102	239	113	1671
Fernandez, Innocencio. (See Miniszewski, Joseph de, assignor.)						
Ferneau, Emma, Paulding, Ohio. Combined garment supporter and protector	759,256	May 10	1392	278	110	338
Fernelmont, Eugene P. M. de. (See Fernelmont, Leon H. C. de, assignor.)						
Fernelmont, Leon H. C. de, assignor of one-half to E. P. M. de Fernelmont, Philadelphia, Pa. Dental tooth-pin-pointing tool	774,838	Nov. 15	2557	550	113	605
Ferrall, Thomas L., Rome, N. Y., assignor of one-half to Rome Manufacturing Company. Handle for washbolters	774,720	Nov. 8	2278	492	113	522
Ferrall, Thomas R., Wakefield, assignor to Boston & Lockport Block Company, Boston, Mass. Block	774,870	Nov. 15	2624	564	113	620
Ferrand, Jean, Asnières, France. Paper-pulp	774,982	Nov. 15	2845	613	113	674
Ferrara, Mario, Brooklyn, N. Y. Door-hanging	772,611	Oct. 18	2822	630	112	1606
Ferrari, Carl A., and J. R. Whittemore, assignors to Erie City Iron Works, Erie, Pa.; Discharge-valve mechanism for steam-engines	750,105	Jan. 19	3135	673	108	730
Ferrel, John, deceased, Zanesville, Ohio; J. F. Reynolds, administrator. Vehicle-brake	751,274	Feb. 2	937	213	108	1256
Ferrell, Albert. (See Keller and Ferrell.)						
Ferrell, Albert. (See Keller, Ferrell, and McComas.)						
Ferrell, Joseph L., Philadelphia, Pa. Fireproofing wood	767,514	Aug. 16	2804	586	111	1698
Ferrell, Lena F., Independence, Kans. Pastry-tester	765,571	July 19	3341	701	111	758
Ferres, Jeffrey T., Anderson, Ind. Apparatus for corrugating paper	762,033	June 7	811	166	110	1613
Ferriell, James A., Newhaven, Ky. Cattle-guard	778,235	Dec. 27	3502	770	113	2231

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Ferrin, John. (See Smith and Ferrin.)						
Ferrin, John, Oakland, Cal. Stretcher	776,989	Nov. 29	5741	1215	113	1364
Ferris, Elmer C., Stamford, Conn., assignor to C. Rousseau, New York, N. Y. Automatic oiling device	768,038	Aug. 23	3863	809	111	1949
Ferris, Frank C., Columbus, Ohio. Mortar holding and discharging device	750,837	Feb. 2	113	25	108	1082
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Hanger and track therefor	753,481	Mar. 1	481	112	109	105
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Spring-hinge	757,607	Apr. 19	2808	612	109	1973
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Hay-rack construction	761,882	June 7	547	109	110	1562
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Husking-roll	765,233	July 19	2669	555	111	614
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Bob-sled	765,234	July 19	2670	555	111	614
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Broom-bridle	765,235	July 19	2671	555	111	615
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Wire-stretcher	767,336	Aug. 9	2433	511	111	1597
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Tackle-block	770,520	Sept. 20	2636	558	112	628
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Wire-stretcher	775,080	Nov. 15	3041	646	113	719
Ferris, Henry L. and H. J., assignors to Hunt, Helm, Ferris & Company, Harvard, Ill. Bob-sled	765,232	July 19	2666	554	111	613
Ferris, Howard J. (See Ferris, Henry L. and H. J.)						
Ferris, John H., Smith Center, Kans. Machine for measuring cloth, &c	778,861	Nov. 1	851	138	113	150
Ferris, Murray W., New York, N. Y. Garment-fastening	776,309	Nov. 29	5579	1183	113	1327
Ferris, Walter. (See Knox and Ferris.)						
Ferris, Walter, Philadelphia, Pa. Integrating apparatus for water-meters, &c	771,363	Oct. 4	289	63, 64	112	1023
Ferris, Walter, Milwaukee, Wis. Tumbler for gold-dredging machines	768,869	June 28	4454	969	110	2465
Ferris, Will H., Franklinville, N. Y. Combination-ruler	776,897	Dec. 6	875	188	113	1619
Ferry, Joseph D., McKeesport, Pa. Engine	773,490	Oct. 25	4761	1004	112	2053
Ferry, William M., Park City, Utah. Heating and ventilating apparatus	754,293	Mar. 8	2118	469	109	480
Fertilizer Bag Manufacturing Co. (See Flowers, Willis F., assignor.)						
Fesenfeld, Herman, Hoquiam, Wash. Marlinespike	748,714	Jan. 5	302	68	108	67
Fesenfeld, Herman, Hoquiam, Wash. Knockdown umbrella	750,178	Jan. 19	3264	704	108	757
Fesenfeld, Herman, Hoquiam, Wash. Barrel-tap	754,760	Mar. 15	3094	676	109	711
Fesenmeier, Michael L., Cumberland, Md. Pasteurizing	749,547	Jan. 12	2063	428	108	483
Fessenden, Anson D. (See Lancy and Smith, assignors.)						
Fessenden, Anson D. (See Smith, Charles W., assignor.)						
Fessenden, Howard A., assignor to Detroit Electric Signal Company, Detroit, Mich. Electric signal system	748,941	Jan. 5	752	163	108	171
Fessenden, Reginald A., Fort Monroe, Va., assignor to National Electric Signaling Company, Pittsburgh, Pa. Selective signaling	752,894	Feb. 23	4013	899	108	1985
Fessenden, Reginald A., Fort Monroe, Va., assignor to National Electric Signaling Company, Pittsburgh, Pa. Signaling by electromagnetic waves	753,864	Mar. 8	1302	293	109	301
Fessenden, Reginald A., Fort Monroe, Va., assignor to National Electric Signaling Company, Pittsburgh, Pa. Signaling by electromagnetic waves	754,058	Mar. 8	1673	372	109	385
Fessenden, Reginald A., assignor to National Electric Signaling Company, Pittsburgh, Pa. Signaling by electromagnetic waves	752,895	Feb. 23	4015	900	108	1985
Fessenden, Reginald A., Manteo, N. C., assignor to National Electric Signaling Company, Pittsburgh, Pa. Wireless signaling	753,863	Mar. 8	1300	292	109	300
Fessenden, Reginald A., Allegheny, assignor to National Electric Signaling Company, Pittsburgh, Pa. Apparatus for transmitting and receiving signals	777,014	Dec. 6	1104	240	113	1672
Fetterman, Morris. (See Klayman, Israel, assignor.)						
Petzer, William, Middletown, Ohio. Adjusting mechanism for grain-drill furrow-openers	752,618	Feb. 16	3481	776	108	1850
Petzer, William, Middletown, Ohio. Disk-scaper	756,107	Mar. 29	5651	1247	109	1302
Petzer, William, Middletown, Ohio. Grain-drill	762,813	June 14	2389	520	110	1974
Petzer, William, Middletown, Ohio. Controlling mechanism for fertilizer-dischargers	766,680	Aug. 2	1118	232	111	1289
Petzer, William, Middletown, Ohio. Gang press-wheel	776,123	Dec. 20	3902	725	113	2169
Feuerlein, Otto, Charlottenburg, Germany, assignor to Siemens & Halske Electric Company of America, Chicago, Ill. Cut-out or fuse for electric circuits	769,995	Sept. 13	1645	348	112	389
Feuerlöcher, Daniel J., Gratz, Austria-Hungary. Device for use in hydraulic engineering	777,619	Dec. 13	2278	500	113	1943
Feuerstein, Max, East Pittsburgh, Pa. Bottle-washing apparatus	769,733	Sept. 13	1137	245	112	276
Feust, Sigmund, New York, N. Y. Pipe-joint for air-brake connections	775,709	Nov. 23	4530	961	113	1075
Feyal, Leon, assignor to Transparent Cellulose Products Company, Newark, N. J. Making tubular articles	759,978	May 17	2808	.....	110	667
Fewget, George W., assignor of two-fifths to I. E. Smith, Goldfield, Colo. Nut-lock	776,587	Dec. 27	4114	896	113	2364
Fewings, Frederick J., Duluth, Minn. Car or engine replacer	757,608	Apr. 19	2804	613	109	1973
Fewkes, Ernest E., assignor of one-half to F. W. Cole, Newton, Mass. Static electric machine	755,367	Mar. 22	4209	932	109	969
Fey, Lincoln H., Northfield, Minn. Sparking apparatus for explosion-engines	752,832	Feb. 23	3803	873	108	1957
Fiala, Bert, and C. Goetz, Dayton, Ohio. File-case for account-books	777,720	Dec. 20	2460	541	113	1998
Fichet, Eugene, Brussels, Belgium. Lining for beds and banks of rivers or the like	768,171	June 21	3087	665	110	2149
Fichet, Eugene, Brussels, Belgium. Apparatus for applying bed and bank linings under water	776,938	Dec. 6	877	188	113	1620
Fickinger, Presly J., and S. J. Blake, Conneaut, Ohio. Bucket	777,500	Dec. 13	2026	447	113	1801
Fiddes, James, Aberdeen, Scotland. Automatic fire-extinguishing apparatus	777,888	Dec. 20	2833	622	113	2075
Fiddes, Walter W., Bristol, assignor of one-half to J. G. W. Aldridge, Westminster, England. Gas-retort charger and discharger	756,225	Apr. 5	67	15	109	1857
Fidell, Edwin, Jersey City, N. J. Conveying and delivering means for packaging-machines	766,234	Aug. 2	181	35, 36	111	1081
Fidjeland, Terje A., Fostvedt in Iveland, near Christiansand S., Norway. Stream-motor	750,025	Jan. 19	2986	639	108	700
Fieberg, Frank, Akron, Ohio. Means for securing air-blast devices to furnaces	751,389	Feb. 29	1396	258	108	1299
Fiedler, Lothar, Stoke Newington, England. Secondary battery	770,277	Sept. 20	2179	454	112	526
Fiego, Alexander J. R. (See Pratt and Fiego.)						
Fiego, Alexander J. R., Lynn, Mass., assignor to General Electric Company. Multiple-rate meter	755,757	Mar. 29	4974	1106	109	1150
Fiel, Isaac. (See Westwood, Amos, assignor.)						
Field, Albert D., Waterbury, Conn. Vulcanizing india-rubber boots or shoes	768,550	June 28	3886	890	110	2338
Field, Asa H., et al. (See Mitchell, William H., assignor.)						
Field, Charles N., Waterbury, Conn. Stereotype-block	748,596	Jan. 5	77	21	108	19

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Field, David D., Stockbridge, Mass. Bank check, draft, &c	756,611	Apr. 5	797	173	109	1511
Field, Edward, London, England. Locomotive-engine	753,057	Feb. 23	4358	969 970	108	2062
Field, Edwin F., Lewiston, Me. Boiler-feeding mechanism	772,410	Oct. 18	2429	533	112	1521
Field, Frederick F., Providence, R. I. Faucet-valve	757,731	Apr. 19	3047	664	109	2026
Field, Jesse A., Dunkirk, N. Y. Brake	752,967	Feb. 23	4189	933 934	108	2024
Field, Jesse A., Dunkirk, N. Y. Brake	771,976	Oct. 11	1516	341 342 343	112	1295
Field, Jesse A., Dunkirk, N. Y. Braking system for railway-trains	772,460	Oct. 18	2530	555 556 557	112	1544
Field, John F., Chicago, Ill. School-desk	750,527	Jan. 26	3917	849	108	919
Field, Luther, Philadelphia, Pa. Dumping-wagon	761,464	May 31	5740	1221 1225	110	1346
Field, Marcellus S., Boston, Mass. Post-office furniture	753,865	Mar. 8	1303	293	109	301
Field, Marcellus S., Boston, Mass. Signal for letter-drops	764,253	July 5	663	136	111	148
Field, Millard F., assignor to J. Clarke, trustee, Boston, Mass. Warp-drawing machine	755,861	Mar. 29	5176	1145 1146	109	1199
Field, Samuel F., assignor of one-half to J. B. Boring, Anderson, Ind. Pump-operating mechanism	751,624	Feb. 9	1554	354	108	1407
Field, Stephen D., Stockbridge, Mass. Multiplex telegraphy	755,646	Mar. 29	4728	1051 1052	109	1095
Field, Stephen D., Stockbridge, Mass. Multiplex telegraphy	755,647	Mar. 29	4724	1053	109	1096
Field, Squire, Elizabethtown, Ind. Fence-post	760,119	May 17	3065	841	110	724
Fielder, Zachariah, Hannibal, Mo. Machine for molding cement blocks	773,137	Oct. 25	4021	852	112	1893
Fieldhouse, Alfred, Paterson, N. J. Umbrella	750,631	Jan. 26	4109	890	108	958
Fielding, Philip H., New York, N. Y. Attachment-plug	752,833	Feb. 23	3895	873	108	1957
Fielding, Philip H., New York, N. Y. Electrical receptacle	752,834	Feb. 23	3897	873	108	1957
Fielding, Philip H., New York, N. Y. Electrical appliance	761,465	May 31	5742	1225	110	1346
Fielding, Philip H., New York, N. Y. Electric cut-out	761,466	May 31	5744	1225	110	1347
Fielding, Philip H., New York, N. Y. Electrical connector	770,054	Sept. 13	1732	366	112	406
Fielding, Philip H., New York, N. Y. Receptacle	773,725	Nov. 1	367	81	113	87
Fields, Alpheus, Gilmerton, Va. Bedstead	773,381	Oct. 25	4525	958	112	2003
Fields, Moses M., Lockney, Tex., assignor of two-thirds to J. W. Edwards and W. M. Winn, of Texas. Producing pictures	765,275	July 19	2748	573	111	632
Figuccia, Pietro, assignor of one-half to L. M. Rossi, Boston, Mass. Cell for storage batteries	770,358	Sept. 20	2335	492	112	562
Filbrun, George W., Dayton, Ohio. Non-refillable bottle	762,992	June 21	2726	592	110	2070
Filion, Joseph, assignor of forty one-hundredths to D. Sleeth, Montreal, Canada. Car-vestibule door and trap	776,507	Dec. 6	63	16	113	1439
Filler, Francis M., assignor of one-half to C. K. Pering, St. Joseph, Mo. Copy-holder	751,490	Feb. 9	1303	298	108	1354
Filley, William S., Montpelier, Ohio. Vending-machine	762,895	June 21	2533	554 555	110	2031
Fillman, John E., and W. Davis, Meno, Okla. Ter. Coupling for doubletrees	755,475	Mar. 22	4405	976	109	1009
Fillman, John E., and W. Davis, Meno, Okla. Ter. Windmill	762,159	June 7	1039	218	110	1664
Fillman, John E., and W. Davis, Meno, Okla. Ter.; said Fillman assignor to said Davis. Tire-bolting machine	753,130	Feb. 23	4483	998	108	2090
Filmore, Millard A., Blaine, Wash. Automatic brake	774,913	Nov. 15	2707	581	113	639
Filor, Charles F., assignor to Perfection Blind and Lock Stitch Sewing Machine Company, Trenton, N. J. Blindstitching sewing-machine	774,721	Nov. 8	2279	493 494	113	522
Filor, Charles F., assignor to Perfection Blind and Lock Stitch Sewing Machine Company, Trenton, N. J. Blindstitching sewing-machine	774,722	Nov. 8	2284	494 495	113	523
Filor, Charles F., assignor to Perfection Blind and Lock Stitch Sewing Machine Company, Trenton, N. J. Sewing-machine for blindstitching	774,723	Nov. 8	2288	496 497 498	113	524
Filskov, Lorens C. (See Rademacher and Boll, assignors.)						
Filson, Hiram G., New Cumberland, W. Va. Shade-bracket holder	772,561	Oct. 18	2726	599	112	1585
Filteau, Victor, assignor of three-fifths to W. B. Chapman and L. Galibert, Montreal, Canada. Rotary engine	773,408	Dec. 27	3872	844	113	2311
Finch, Abram F., Boone, Iowa. Mail-crane	758,830	May 3	499	100	110	120
Finch, Frederick A., St. Louis, Mo. Cane	764,997	July 12	2242	463	111	506
Finch, Herbert I. (See Meston and Finch.)						
Finch, John W., Anguilla, Miss. Clothes-line pin	762,160	June 7	1041	219	110	1664
Finch, Robert C. (See Crapp and Finch.)						
Finch, Stanley W., Washington, D. C. Price-scale	774,417	Nov. 8	1669	361	113	305
Finch, Thomas C., Madisonville, assignor to Automatic Printing Machine Company, Cincinnati, Ohio. Hand printing-machine	771,900	Oct. 11	1363	310	112	1264
Finchum, Isaiah H., assignor of forty-eight one-hundredths to C. L. Flynn, Indianapolis, Ind. Heating or cooling device for beds	773,138	Oct. 25	4022	853	112	1893
Fink, Anthony (See Vogel and Fink.)						
Fink, Eugene, Wenham, Mass. Bootjack	777,015	Dec. 6	1110	241	113	1673
Findeisen, Frederick, Chicago, Ill. Flushing-tank	758,307	Apr. 26	4204	904	109	2300
Findly, William R., Seward, Pa. Switch	778,188	Dec. 20	3416	750	113	2193
Fine, Mahlon H., Avoca, Pa. Bedspread	768,119	Aug. 23	4082	850	111	2002
Finger, Alfred P., Jacobs Fork, N. C. Shingle-machine	732,053	Feb. 16	2389	534	108	1607
Fink, Frank, Pittsburgh, Pa. Wagon-brake	772,652	Oct. 18	2803	636	112	1622
Fingoust, Vaclav, Clarks Mills, Wis. Wagon-brake	758,308	Apr. 26	4206	904	109	2300
Fink, Andrew J., Jr., assignor of two-thirds to T. C. Seidel and L. A. Rehr, Reading, Pa. Gage-cock	774,510	Nov. 8	1871	406	113	434
Fink, Ferdinand, Newark, N. J. Beer-racker	762,626	June 14	1998	432	110	1891
Fink, Ferdinand, Newark, N. J. Fluid-pressure motor	762,627	June 14	2001	433	110	1891
Fink, George E., et al. (See De Tray, Floyd W., assignor.)						
Fink, Henry G. G. (See Gruner and Fink, assignors.)						
Fink, Jacob F. (See Klenk and Fink.)						
Fink, Joseph H., Kansas City, Mo. Vapor-burning furnace	750,106	Jan. 19	3137	674 675 676	108	731
Fink, Joseph H., Kansas City, Mo., and R. Andlauer, Kansas City, Kans.; said Fink assignor of three-eighths to said Andlauer, H. Chick, and A. L. Clark, Kansas City, Mo. Horseshoe attachment	759,810	May 10	2469	517	110	574
Fink, Joseph H., Kansas City, Mo., and R. Andlauer, Kansas City, Kans.; said Fink assignor of three-eighths to said Andlauer, H. Chick, and A. L. Clark, Kansas City, Mo. Horseshoe attachment	770,359	Sept. 20	2336	492	112	563

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Fink, Karl. (See Wieser, Joseph, assignor.)						
Fink, William C. (See Gruner and Fink.)						
Finke, F. H. (See Sheldon, Lainer A., assignor.)						
Finkelson, Raymond, Brooklyn, N. Y. Compass and level attachment for vehicles.	764,444	July 5	1099	223	111	243
Finkle, Henry J., et al. (See Dunn, Frederick W., assignor.)						
Finlay, Forrest, Newtown, New South Wales, Australia. Tuck accessory for sewing-machines.	771,003	Sept. 27	3579	753	112	857
Finlay, Thomas P., New York, N. Y. Structural beam or arch.	768,594	Aug. 30	5062	1062	111	2238
Finlayson, Alexander W., assignor of one-half to C. Schweikart, Detroit, Mich. Water-heater or steam-generator.	770,055	Sept. 13	1734	366 367	112	408
Finley, Alexander W., assignor of two-thirds to R. F. May, Detroit, Mich., and C. E. Sutton, Toledo, Ohio. Car-ventilator.	766,992	Aug. 9	1774	372	111	1455
Finley, Henry C., Chicago, Ill. Delivery or shipping receptacle.	756,612	Apr. 5	798	173	109	1511
Finley, Henry C., Chicago, Ill. Shipping-package.	756,613	Apr. 5	799	173	109	1512
Finley, Henry L. (See Baughn, Samuel C., Jr., assignor.)						
Finley, Henry L. and S. C. Baughn, Jr., Bertrand, Mo.; said Baughn assignor to said Finley, Nut-lock.	774,418	Nov. 8	1692	362	113	396
Finley, James H., assignor to himself, R. C. Miller, and J. J. Floyd, Norristown, Pa. Railway safety appliance.	765,880	July 19	2956	618 619	111	676
Finley, John P., Vinton, La. Steam-cylinder.	772,310	Nov. 29	5581	1183	113	1327
Finley, William H. (See Lindsey and Finley.)						
Finley, William H. (See Robinson, Eugene M., assignor.)						
Finley, William H., assignor of one-half to F. J. Hamill Music Company, Chicago, Ill. Music-transposition chart.	763,870	June 28	4455	969	110	2465
Finn, John, Montgomery, Miss., assignor of one-half to E. A. Guilfoyle, Louisville, Ky. Track-leveler.	750,353	Jan. 26	3594	779	108	851
Finnegan, Francis J. (See Swan, Skillings, and Finnegan.)						
Finnegan, Francis L., Philadelphia, Pa. Protective valve-coupling for gas-meters.	775,448	Nov. 22	4306	909	113	1027
Finnegan, John, Philadelphia, Pa., assignor to Philadelphia Hardware and Malleable Iron Works. Hot-air register.	755,476	Mar. 23	4907	976	109	1009
Finney, James J., Milwaukee, Wis. Automatic brake system.	770,717	Sept. 20	3005	638 639 640	112	710
Finnigan, George P., Greene, N. Y. Nut-lock.	762,295	June 14	1312	470	110	1477
Finnigan, George P., Greene, N. Y. Electric automatic block-signal and safety system.	772,278	Oct. 11	2152	471	112	1349
Firestone Tire & Rubber Company. (See Ludington, George A., assignor.)						
Firestone, Truman L., Akron, Ohio. Machine for heading insulators.	750,429	May 10	1738	332	110	413
Firm, Joseph L., Chicago, Ill. Multicolor-printing machine.	732,596	Feb. 23	4018	900	108	1986
Firma G. Roth. (See Dahmen, Hans von, assignor.)						
Firstbrook, William A., Toronto, Canada. Crosscut table-saw.	775,916	Nov. 29	4820	1092	113	1153
Firth Sterling Steel Company. (See Wheeler and McKenna, assignors.)						
Fischer, Charles H., Cincinnati, Ohio. Circuit-interrupter for jump-spark coils.	762,993	June 21	2727	592	110	2070
Fischer, Christian A., Grand Forks, N. D. Car-replacer.	757,902	Apr. 19	3377	730	109	2098
Fischer, Emil, Berlin, assignor to Firm of E. Merck, Darmstadt, Germany. Making dialkylbarbituric acids.	770,743	Sept. 27	3053		112	738
Fischer, Emil, Berlin, and J. von Mering, Halle-on-the-Saale, assignors to Firm of E. Merck, Darmstadt, Germany. Ureide of dialkyl-acetic acid and making same.	773,251	Oct. 25	4266		112	1948
Fischer, Florean I., New York, N. Y. Disinfecting apparatus for barbers' implements.	768,848	Aug. 30	5579	1171 1172	111	2352
Fischer, Fred F., Pittsburg, Pa. Apparatus for grinding or polishing glass.	749,961	Jan. 19	2858	611	108	672
Fischer, George F., Rochester, N. Y. Heel attachment for boots or shoes.	769,157	Sept. 6	37	9, 10	112	61
Fischer, George F., assignor to T. J. Bull and H. D. Schaad, New York, N. Y. Electric lamp.	772,377	Oct. 18	3337	727	112	1718
Fischer, Harry S., et al. (See Nilson, Lars G., assignor.)						
Fischer, Joseph J., assignor of one-half to E. E. Chard, Belleplaine, Minn. Wind-motor.	764,571	July 12	1385	282 283	111	319
Fischer, Max. (See Fischer, Sarah and M.)						
Fischer, Robert, assignor to C. P. Goldsmith & Co., New York, N. Y. Jewelry-fastening device.	772,711	Oct. 18	3028	664	112	1651
Fischer, Sarah and M., New York, N. Y.; said M. Fischer assignor to said Sarah Fischer. Douche-commode.	777,195	Dec. 13	1440	318	113	1762
Fischer, Siegfried M., et al. (See Nilson, Lars G., assignor.)						
Fischer, Walter C. (See Thorpe and Fischer.)						
Fish, Frank H. (See Shepard and Fish.)						
Fish, George C., and W. F. Rainey, Pittsfield, Mass. Headlight for locomotives or street-cars.	763,272	June 21	3274	705	110	2190
Fish, James E. (See Bender and Fish.)						
Fish, Walter C. (See Stevens and Fish.)						
Fish, Warren E., Racine, Wis. Tree-tapping tool.	761,367	May 31	5580	1188	110	1309
Fish, William H. (See Cockell and Fish.)						
Fishburn, William H., Denver, Colo. Holding device for window-screens.	759,849	May 10	2540	532	110	590
Fisbel, Henry W., New York, N. Y. Clasp.	757,032	Apr. 12	1956	358	109	1710
Fisher, Adam E., Hannibal, Mo. Checking or unchecking device.	749,490	Jan. 12	1633	401	108	454
Fisher, Alexander D. (See Parkin, George E. B., assignor.)						
Fisher, Alva J., Evanston, Ill. Cooling device for internal-combustion engines.	760,531	May 24	3862	819 820	110	921
Fisher, Alvin L., New York, N. Y. Swaging or fitting dental plates.	763,385	June 25	3529	700	110	2268
Fisher, Charles, Phelps, N. Y. Telescopic measuring-pail.	750,632	Jan. 26	4110	890	108	958
Fisher, Charles, assignor of one-half to V. L. Swain, Stillwater, Minn. Engine.	732,056	Feb. 16	2308	534	108	1608
Fisher, Charles, assignor to Northern Tissue Paper Mills, Milwaukee, Wis. Roll-paper fixture.	771,564	Oct. 4	292	64	112	1023
Fisher, Charles A., Chicago, Ill. Woven-wire fabric.	771,566	Oct. 11	1233	288	113	1248
Fisher, Charles A., Chicago, Ill. Mattress.	771,867	Oct. 11	1234	288	112	1248
Fisher, Charles A., Chicago, Ill. Cushion-forming mechanism.	775,966	Nov. 29	4938	1043	113	1180
Fisher, Charles J., assignor to Fisher Slack Adjuster and Railway Equipment Company, Murphysboro, Ill. Railway-brake apparatus.	759,687	May 10	2226	459	110	520
Fisher, Daniel, Oil City, assignor to H. H. Fisher, Swissvale, Pa. Hose pipe or nozzle.	769,602	Sept. 6	888	191	112	201
Fisher, Ebenezer, Philadelphia, Pa., assignor to Fisher Wrench Company, Egg Harbor, N. J. Wrench.	773,993	Nov. 1	869	170	113	186
Fisher, Frank A., assignor of one-half to J. Hanley, Virden, Ill. Powder-can.	751,157	Feb. 2	684	157	108	1205
Fisher, Frank L., Cumberland, Md. Combined brake and mud-guard.	763,871	June 28	4457	970	110	2466
Fisher, Frank M. and G. Little Sioux, Iowa. Lantern attachment for vehicles.	766,028	July 25	4260	910	111	966
Fisher, Frederick C., Bristol, England. Electrical apparatus for therapeutic purposes.	755,121	Mar. 22	3750	824	109	872
Fisher, George. (See Fisher, Frank M. and G.)						
Fisher, George F., North Tonawanda, N. Y. Building construction.	755,122	Mar. 22	3751	824	109	872

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Fisher, George F., North Tonawanda, N. Y. Press for molding composition blocks	770,360	Sept. 20	2339	492 493	112	564
Fisher, George P., Jr., trustee. (See Fisk, Joshua T., assignor.)						
Fisher, Henry A., Roslindale, Mass. Foldable blank for forming picture-frames	776,311	Nov. 29	5582	1183	113	1337
Fisher, Henry J., London, England. Driving mechanism for motor-cars	758,634	May 3	57	11, 12	110	17
Fisher, Herbert H. (See Fisher, Daniel, assignor.)						
Fisher, Jacob, and A. Corrodi, Columbus, Ohio. Horseshoe	757,445	Apr. 19	2467	539	109	1900
Fisher, James B., St. Louis, Mo. Curtain-shade-locking device	776,048	Nov. 29	5095	1076	113	1217
Fisher, John, St. Paul, Minn., assignor of one-half to Reynolds Manufacturing Company, West Toledo, Ohio. Martingale-ring	755,862	Mar. 29	5179	1146	109	1199
Fisher, John E., New York, N. Y. Air-pump	758,516	Apr. 26	4602	991	109	2389
Fisher, John F., assignor of one-half to E. Baugh, Brookport, Ill. Rudder-blade for steam vessels	772,794	Oct. 18	3189	694	112	1684
Fisher, John O., Mexico, Ind. Construction of buildings	766,943	Aug. 9	1692	354	111	1438
Fisher, Michel J., Utica, N. Y. Fabric-marking machine	748,854	Jan. 5	569	180	108	138
Fisher, Nathan, assignor of two-thirds to G. W. Meyers and E. S. McClelland, Decatur, Ill. Badge or button	768,120	Aug. 23	4083	859	111	2002
Fisher, Orr C., Delphos, Iowa. Automatic whistle-operating mechanism	759,257	May 10	1394	279	110	338
Fisher, Otto. (See Pressel and Fisher.)						
Fisher, Ozias L. (See Holston and Fisher.)						
Fisher, Ozias L., Whitepine, and W. W. Holston, Morristown, Tenn. Rail-joint	756,226	Apr. 5	69	15	109	1357
Fisher, Ozias L., Whitepine, and W. W. Holston, Morristown, Tenn. Non-refillable bottle	766,174	Aug. 2	36	6	111	1050
Fisher, Philip E., Spokane, Wash. Water-conducting pipe or the like	774,384	Nov. 8	1629	349	113	383
Fisher, Philip E., Spokane, Wash. Pipe-coupling	750,444	Jan. 26	3739	817	108	887
Fisher, Samuel, and A. Sanders, Butler, Pa. Trolley	770,744	Sept. 27	3054	649	112	738
Fisher Slack Adjuster and Railway Equipment Company. (See Fisher, Charles J., assignor.)						
Fisher, Theophilus I., New York, N. Y. Copy-pad moistener	776,648	Dec. 27	4340	948	113	2413
Fisher, Thomas W., Helena, Mont. Screw-driver	768,441	Aug. 23	4726	991	111	2148
Fiske, Henry G., New York to Russell Manufacturing Company, Middletown, Conn. Loom for weaving cartridge-belt fabrics	767,102	Apr. 12	1772	385	109	1736
Fisher, William C., assignor to Russell Manufacturing Company, Middletown, Conn. Cartridge-belt	764,803	July 12	1856	382	111	421
Fisher, William C., assignor to Russell Manufacturing Company, Middletown, Conn. Voven cartridge-belt	773,066	Oct. 25	3799	811	112	1899
Fisher, William E., Seattle, Wash. Wire-mattress coiler	758,744	May 3	337	67	110	83
Fisher, William H. (See Palmer, Richard P., assignor.)						
Fisher, Willis H., Oklahoma, Okla. Ter. Hydraulic press for molding artificial stone or the like	751,904	Feb. 9	2090	472 473	108	1524
Fisher Wrench Company. (See Fisher, Ebenezer, assignor.)						
Fisher, Henry, Cincinnati, Ohio. Pipe-clamp	769,994	June 21	2729	592	110	2070
Fisk, Cassius M., Napoleon, Ohio. Electric heater	771,424	Oct. 4	420	94	112	1046
Fisk, Charles H., Richmond, Ind., assignor to Fisk & Jay. Lawn-shears	756,227	Apr. 5	70	16	109	1357
Fisk & Jay. (See Fisk, Charles H., assignor.)						
Fisk, Joshua T., Adrian, Mich., assignor to G. P. Fisher, Jr., trustee, Chicago, Ill. Automatic selecting apparatus and system	763,972	July 5	77	12 13 14	111	24
Fisk, Pliny H., Clay, Iowa. Electrical telephone apparatus	757,609	Apr. 19	2807	618 619 615	109	1974
Fiske, Henry A., Newton, assignor, by mesne assignments, to Eastern Fire Protection Company. Alarm-valve	767,337	Aug. 9	2435	511	111	1597
Fiske, Henry G., New York to Y. assignor, by mesne assignments, to Morton Trust Company, trustee. Multiple-tube pneumatic tire	750,633	Jan. 26	4112	890	108	958
Fiske, Henry G., New York, N. Y., assignor, by mesne assignments, to Morton Trust Company, trustee. Tire	750,838	Feb. 2	114	26	108	1082
Fiske, Henry G., New York, N. Y., assignor, by mesne assignments, to Morton Trust Company, trustee. Tire	754,648	Mar. 15	2878	628	109	661
Fiske, Henry G., New York, N. Y., assignor, by mesne assignments, to Morton Trust Company, trustee. Solid elastic tire with fastening-strips	773,633	Nov. 1	191	42	113	47
Fiske, John T. (See Mills and Fiske.)						
Fitch, Elbert L., Highland Mills, N. Y. Alarm device	763,386	June 28	3530	761	110	2268
Fitch, Eugene, Astoria, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Adding-machine	766,142	July 26	4483	960 961	111	1015
Fitch, John H., Ludington, Mich. Street-car switch mechanism	777,889	Dec. 20	2825	613	113	2075
Fitch, Thomas W., Jr., Sewickley, Pa. Coal-pit structure	757,732	Apr. 19	3048	664 665 473	109	2026
Fite, Jeremiah T., Childress, Tex. Piston-travel regulator	751,905	Feb. 9	2093	474	108	1525
Fitler, Harry G., Philadelphia, Pa., assignor to Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire	764,936	July 12	2143	443	111	486
Fitton, John R., assignor to Crompton-Thayer Loom Company, Worcester, Mass. Loom	767,218	Aug. 9	2235	466	111	1554
Fitts, Norman V., assignor to Colorado Iron Works Company, Denver, Colo. Worm-gear-operated slag-pot construction	752,635	Feb. 16	3518	783	108	1857
Fitz, Amos G., Auburn, Me. Last	755,285	Mar. 22	4052	899	109	934
Fitz, Amos G., Auburn, Me. Boot-tree	764,285	July 5	752	154	111	166
Fitz Gerald, James L., Newport, R. I. Gasoline-motor	756,011	Mar. 29	5468	1206	109	1263
Fitz Gerald, James L., Newport, R. I. Speed-controller for motor-vehicles	770,521	Sept. 20	2638	558 559	112	628
Fitz Gerald, Richard E., et al. (See Delaney, Michael G., assignor.)						
Fitz, Howard W. (See Brown, Daniel T., assignor.)						
Fitzgerald, John B., Portage, Pa. Non-refillable bottle	759,509	May 10	1895	381	110	449
Fitzgerald, John E., Providence, R. I. Finger-ring	766,435	Aug. 2	580	123	111	1167
Fitzgerald, John H. W., Bedford Park, England. Tire for vehicles	769,069	Aug. 30	6018	1261	111	2451
Fitzgerald, John P. (See Caspar, Charles H., assignor.)						
Fitzgerald, Milam M., San Antonio, Tex. Railway-switch	765,572	July 19	3342	702	111	768
Fitzgerald, Richard. (See Hibbard, Maury W., assignor.)						
Fitzpatrick, James, Peekskill, N. Y. Bottle	769,894	Sept. 13	1438	308	112	342
Fitzpatrick, Kerien, et al. (See Yoe, Philip, assignor.)						
Fitzpatrick, W. H., et al. (See McCarthy, Albert, assignor.)						
Fitzsimmons, John F., Hillsdale, Mich. Inkstand	768,174	Aug. 23	4175	878	111	2021
Fitzsimmons, Thomas F., New York, N. Y. Gas-holder	767,475	Aug. 16	2716	570	111	1678
Fiveash, Zian E., Heckla, Miss. Rail-joint	758,906	May 3	655	131	110	154
Fjeld, Nels A., Joice, Iowa. Fence-post	772,735	Oct. 18	3190	694	112	1684
Fjeld, Oluf O., Mayville, N. D. Draft-equalizer	769,661	Sept. 13	1388	296	112	332

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Flachsbart, Martin, Boody, Ill. Apparatus for displaying maps, charts, &c.	765,464	July 19	3151	659	111	717
Flagler, Claude, assignor to Quaker Shade Roller Company, Bay City, Mich. Spear for shade-rollers	749,780	Jan. 19	2522	536	108	599
Flagler, Claude, assignor to Quaker Shade Roller Company, Bay City, Mich. Machine for ferruling shade-rollers	759,360	May 10	1612	324 325	110	385
Flagler, Emory, Lockport, N. Y., assignor of one-half to R. E. Flagler, Wilmington, Del. Hanger	754,367	Mar. 8	2299	502	109	519
Flagler, Roy E. (See Flagler, Emory, assignor.)						
Flaherty, James F., assignor of one-half to H. J. Fagen, Philadelphia, Pa. Carboy-inclinator	772,461	Oct. 18	2538	557	112	1545
Flameless Gas Light Company. (See Hooker, William, assignor.)						
Flanagan, John J., Cleveland, Ohio. Non-refillable-bottle attachment	750,050	Jan. 19	3030	649	108	708
Flanagan, Joseph F. (See Lovell, Thomas D., assignor.)						
Flanagan, Joseph F., et al. (See Mellett, Lemuel, assignor.)						
Flander, Irvin D., et al. (See Amsden, Thomas G., assignor.)						
Flauder, Willie J., et al. (See Amsden, Thomas G., assignor.)						
Flaunders, Freeman B., Seattle, Wash., and C. J. Carlson, Thornton, Ill. Automatic air-brake for railways	761,216	May 31	5264	1118	110	1239
Flaunders, Louis H., Wilkesburg, Pa., assignor to Westinghouse Machine Company. Secondary battery	757,446	Apr. 19	2468	540	109	1900
Flaney, Thomas, and N. Whitehill, assignors to Hennepin County Barrel Co., Minneapolis, Minn. Machine for tightening the bilge-hoops upon barrels	756,783	Apr. 5	1133	248 249	109	1585
Flaney, Thomas, and N. Whitehill, assignors to Hennepin County Barrel Co., Minneapolis, Minn. Machine for tightening the head-hoops upon barrels	756,784	Apr. 5	1135	249	100	1588
Flanick, Harry L., Burgetstown, Pa. Barrel-closer	763,172	June 21	3087	665	110	2150
Flannery, Michael H., Brooklyn, N. Y. Elevating and dumping platform	766,817	Aug. 9	1430	299	111	1378
Flannigan, Edward, assignor of one-half to C. T. Noland, St. Louis, Mo. Gas-stove	758,433	Apr. 26	4447	956	109	2353
Flather, Mark, Nashua, N. H. Planer	771,817	Oct. 11	1180	263	112	1226
Flavell, Thomas B., and G. W. Dykman, Yonkers, N. Y. Felting	762,334	June 7	1175	252	110	1695
Flavell, Thomas B., and G. W. Dykman, Yonkers, N. Y. Apparatus for felting	763,273	June 21	3275	706	110	2191
Fleckenstein, Leonard S., Easton, Md. Crane	757,290	Jan. 12	2141	468	109	1815
Fleeger, Austin, Chicora, Pa. Meter	777,781	Dec. 20	2580	571	113	2024
Fleegle, Irvin B., Daley, Pa. Adjustable flue-collar	751,065	Feb. 2	821	121	108	1174
Fiegel, A. F. (See Farmer, John P., assignor.)						
Fiegel, A. F. (See Farmer, John P. and S., assignors.)						
Fiegle, Martin, Minneapolis, Minn. Fish-hook	756,009	Mar. 29	5465	1206	109	1263
Fleischman, Charles, Brooklyn, N. Y. Railway-car	768,896	Aug. 30	5672	1192	111	2374
Fleischmann, Christian, Bloomfield, N. J. Electric motor	752,391	Feb. 16	3032	675	108	1751
Fleischmann, Rudolph G., Philadelphia, Pa. Vise	774,574	Nov. 8	1992	433	113	459
Fleming, Albert E. (See Fulton, Jacob I., assignor.)						
Fleming, Allison H., Fairmont, W. Va. Razor stropper	777,667	Dec. 20	2373	521	113	1979
Fleming, Andrew, Brooklyn, N. Y. Adjustable support	756,486	Apr. 5	590	127	109	1466
Fleming, Arthur H., Louisburg, N. C. Dental articulator	766,235	Aug. 2	184	36	111	1082
Fleming, Charles F., San Jose, Cal. Fruit-processing device	765,381	July 19	2958	619	111	676
Fleming, Edward E., Washington county, Md. Envelop-stamping machine	767,369	Aug. 9	2316	485	111	1572
Fleming, Hugh N., Erie, Pa. Mail carrier and deliverer	759,979	May 17	2809	587	110	667
Fleming, Ira and R. C., Storm Lake, Iowa. Milk-pail protector	758,831	May 3	501	100	110	121
Fleming, James R., Scranton, Pa. Car-axle lubricator	752,897	Feb. 23	4020	900	108	1986
Fleming, James R., Scranton, Pa. End-supporting bracket	765,382	July 19	2959	619	111	676
Fleming, John A., assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Device for wireless telegraphy	758,004	Apr. 19	3564	772	109	2140
Fleming, John A., assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Apparatus employed in wireless telegraphy	758,005	Apr. 19	3570	773	109	2141
Fleming, John C., New York, N. Y. Refining oil	749,925	Jan. 19	2802	597	108	660
Fleming, John C., Summit, N. J. Food product	761,666	June 7	79	158	110	1453
Fleming, Lamar E., et al. (See Pope, Frederick B., assignor.)						
Fleming, Richard, Lynn, Mass., assignor to General Electric Company. Electric-arc lamp	769,996	Sept. 13	1646	348	112	389
Fleming, Robert J., Traverse City, Mich. Veterinary-surgeon's float	769,340	Sept. 6	402	93	112	87
Fleming, Roy C. (See Fleming, Ira and R. C.)						
Fleming, Thomas. (See Carroll and Fleming.)						
Fleming, Thomas, assignor of one-half to F. C. Carroll, Cleveland, Ohio. Transfer-truck	768,275	Aug. 23	4379	919	111	2066
Fleming, William R., Harrisburg, Pa. Crank disk and pin for steam-engines	767,877	Aug. 16	3502	740	111	1851
Fleming, William S. S., Bemidji, Minn. Safe	749,283	Jan. 12	1505	320	108	362
Flesch, Julius A., Chicago, Ill. Sales-counter	774,511	Nov. 8	1872	407	113	495
Fleshman, James B., et al. (See Weyers, Frank S., assignor.)						
Fleishutz, Hermann D., Condersport, Pa. Printing-press grip-finger	755,863	Mar. 29	5180	1147	109	1200
Fletcher, Addison C., New York, N. Y. Nut-lock	748,942	Jan. 5	753	163	108	171
Fletcher, Addison C., New York, N. Y. Nut-lock	756,010	Mar. 29	5466	1206	109	1263
Fletcher, David A., and M. J. Frambach, Hartley, Iowa. Windmill	776,781	Dec. 6	628	138	113	1564
Fletcher, Elizabeth L., Norwich, Conn. Apparatus for steaming and pressing fabrics	773,067	Oct. 25	3799	811	112	1839
Fletcher, Francis J., London, England. Apparatus for filling bottles or other vessels with liquids	772,033	Oct. 11	1646	369	112	1326
Fletcher, Frederick A., Springfield, Ill., assignor, by mesne assignments, to Armstrong Oil Company. Car-axle lubricator	773,557	Nov. 1	49	10	113	15
Fletcher, James R., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Latch	771,542	Oct. 4	648	144	112	1097
Fletcher, James R., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Door stop or holder	777,408	Dec. 13	1848	408	113	1852
Fletcher, James S., and D. H. Waters, Chicago, Ill. Trolley-wheel	758,355	Apr. 26	4292	922	109	2318
Fletcher, John R., Dayton, Ohio. Insulation-rack	770,278	Sept. 20	2150	454	112	527
Fletcher, John W., assignor of one-half to N. Newman, Chicago, Ill. Combined square, bevel, leveling and plumbing instrument	768,740	Aug. 30	5355	1128	111	2303
Fletcher, Mordecai H., Cincinnati, Ohio. Box for containing tooth-powder	758,309	Apr. 26	4207	905	109	2300
Fletcher, Nathan W. (See Anderson and Fletcher.)						
Fletcher, Nathan W., Batavia, Ill. Grinding or polishing tool	765,421	July 19	3039	636	111	694
Fletcher, Nathan W., Batavia, Ill. Rotary motor	770,522	Sept. 20	3640	559	112	629
Fletcher, Nathan W., Chicago Heights, assignor to Turbine Motor Tool Company, Chicago, Ill. Turbine-motor	777,850	Dec. 20	2749	605	113	2058
Fletcher, Orland C., Chicago, Ill. Shower-bath hose	759,874	May 17	2604	545	110	620
Fletcher, Peter, Midland, Canada. Sleigh	770,745	Sept. 27	3055	650	112	739
Fletcher, Peter, Midland, Canada. Wagon-gear	770,746	Sept. 27	3057	650	112	739
Fletcher, William M., Wallasey, England. Packing-ring for pistons	765,432	July 19	3044	637	111	695
Fletcher, Wils, Clinton, La. Plow	759,086	May 3	988	200	110	224

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Flewelling, Willard M., Santa Rosa, Cal. Vehicle-brake	778,124	Dec. 20	3305	725	113	2170
Flexible Metal Manufacturing Company. (See Mitchell, Winfield J. and J. R., assignors.)						
Flexible Shaft & Tool Co. (See Shafer, Riley A., assignor.)						
Flexner, Isidor, assignor to Pittsburgh Crushed Steel Company, Limited, Pittsburgh, Pa. Apparatus for feeding abrasive material to grinding-machines.	748,855	Jan. 5	571	130	108	128
Flichtner, Stanwood E., Englewood, N. J., assignor to Cooper Hewitt Electric Company. Starting gas or vapor electric devices.	765,465	July 19	3152	659	111	717
Flichtner, Stanwood E., Englewood, N. J., assignor to Cooper Hewitt Electric Company. Starting system for gas or vapor electric devices.	765,466	July 19	3156	660	111	718
Flichtner, Stanwood E., Englewood, N. J., assignor to Cooper Hewitt Electric Company. Starting means for gas or vapor electric devices.	765,617	July 19	3422	721	111	776
Fliegel, Josef, Mallnitz, Germany. Apparatus for heating liquids, especially milk.	749,926	Jan. 19	2803	598	108	661
Flint, Carl J. H., Hoboken, N. J. Propeller-ship.	751,158	Feb. 2	685	138	108	1205
Flinn, Benjamin B., Olivebranch, Miss. Plow attachment.	762,814	June 14	2392	521	110	1975
Flinn, Richard J., assignor of two-thirds to T. F. Flinn and G. P. Aborn, Boston, Mass. Mercurial regulator.	759,258	May 10	1395	279	110	339
Flinn, Thomas F., Easton, Pa. Rotary conveying apparatus.	761,667	Sept. 7	79	13, 14	110	1455
Flinner, John, Jarbalo, Kans. Gate.	769,997	Sept. 13	1648	349	112	390
Flint, Albert E., et al. (See Couch, Charles A., assignor.)						
Flint, Alonzo T., and I. Whitney, Oskaloosa, Iowa. Mine trap-door and operating mechanism therefor.	762,696	June 14	2146	467	110	1923
Flint, Charles F. V., Frederiksberg, Denmark. Wash apparatus.	755,477	Mar. 22	4408	977	109	1010
Flint, Charles H., et al. (See Caron, F. M., assignor.)						
Flint, Nathan E. (See Taylor and Flint.)						
Flint, Stanley B., New York, N. Y. Tile.	751,275	Feb. 2	940	214	108	1257
Flint, William S. (See Harrah and Flint.)						
Flo, Iver I. (See Logan and Flo.)						
Floerke, Frank, New York, N. Y. Machine for boring holes in the keys of piano-actions.	753,058	Feb. 23	4302	971	108	2064
Floor, Carl, Berlin, Germany. Gas-compressor.	767,219	Aug. 9	2238	466	111	1554
Flood, Harry J., Chicago, Ill. Mold for brick-machines.	749,781	Jan. 19	2523	536	108	599
Flood, Harry J., Chicago, Ill. Attachment for machines for compressing material into form.	759,259	May 10	1397	280	110	339
Flood, Harry J., Chicago, Ill. Brick-machine.	778,483	Dec. 27	4026	870	113	2343
Flood, Patrick, Albany, N. Y. Emergency-brake for street-railway cars.	758,131	Apr. 26	3842	834	109	2220
Flora, Earnest, assignor of one-half to C. W. Dorman, Eddyville, Ky. Railway cross-tie and clamp.	767,878	Aug. 16	3503	741	111	1852
Flora, Ellsworth E. (See Northcott and Flora.)						
Flora, Ellsworth E., assignor to T. J. Lovett, Chicago, Ill. Oil-stove.	755,864	Mar. 29	5181	1147	109	1200
Flora, Ellsworth E., assignor to W. P. Healy, Chicago, Ill. Machine for making box-blanks.	776,682	Nov. 22	4251	896	113	1015
Florance, William D., Dallas, Tex. Upsetting-machine.	751,491	Feb. 9	1304	298	108	1354
Flora, William D., Dallas, Tex. Upsetting-machine.						
Flores, Charles E., Battlet Creek, Nebr. Fastening for carriage-curtains or the like.	775,649	Dec. 27	4342	948	113	2414
Flory, Samuel. (See Werner and Flory.)						
Flournoy, James P., Jr. (See Buckelew and Flournoy.)						
Flower, Archibald D. (See Kilbourn Washington H., assignor.)						
Flowers, Willis F., Scranton, Pa. Bag.	775,268	Nov. 15	3473	733	113	824
Flowers, Willis F., assignor to Fertilizer Bag Manufacturing Co., Scranton, Pa. Odor-proof bag.	757,610	Apr. 19	2817	615	109	1975
Flowers, Zachary T., Olmstead, Ky. Fire-signal.	761,368	May 31	5582	1189	110	1309
Floyd, Byron B., Philadelphia, Pa., assignor to Philadelphia Amusement Company. Toboggan-slide.	749,130	Jan. 5	1161	246	108	269
Floyd, Byron B., Atlantic City, N. J., assignor to Philadelphia Amusement Company. Gravity-railway.	766,105	July 26	4413	944	111	999
Floyd, George G., assignor to American Steel Foundries, St. Louis, Mo. Car-truck bolster.	775,559	Nov. 22	4125	867	113	986
Floyd, George G., assignor to American Steel Foundries, St. Louis, Mo. Car-truck bolster.	776,899	Dec. 6	879	189	113	1620
Floyd, George G., assignor to American Steel Foundries, St. Louis, Mo. Body-bolster.	777,721	Dec. 20	2462	542	113	1998
Floyd, George G., and C. H. Howard, assignors to American Steel-Body Double-Bolster Co., St. Louis, Mo. Car body-bolster.	753,289	Mar. 22	4054	899	109	935
Floyd, George G., and C. H. Howard, assignors to American Steel-Body Double-Bolster Co., St. Louis, Mo. Car body-bolster.	753,290	Mar. 22	4055	899	109	935
Floyd, John J., et al. (See Finley, James H., assignor.)						
Flugstad, John M. and P. M., Corvallis, Mont. Acetylene-gas generator.	753,691	Mar. 1	918	208	109	198
Flugstad, Peter M. (See Flugstad, John M. and P. M.)						
Flutie, Fareedie A., Washington, D. C. House-gown.	753,131	Feb. 23	4485	968	108	2090
Flygare, Christine J. T., Minneapolis, Minn. Baking apparatus.	755,123	Mar. 22	3753	825	109	872
Flynn, Charles L. (See Finchum, Isaiah H., assignor.)						
Flynn, Dennis J. (See Flynn, Michael J. and D. J.)						
Flynn, Meade R., Danville, Va. Hand-stamp.	750,430	May 10	1741	352	110	414
Flynn, Michael J., New York, N. Y., and D. J. Flynn, Hartford, Conn. Bottle.	763,973	July 5	91	14	111	29
Flynn, T. M. (See Lyons, John C., assignor.)						
Fogal, Henry, Kansas City, Mo., and L. W. Page, administratrix. Tinner's mandrel.	776,733	Dec. 6	546	120	113	1547
Flyte, Joseph A., Sioux Falls, S. D. Leveling mechanism for vehicles.	754,985	Mar. 22	3523	771	109	820
Foerster, Emil C. (See Brun, Camille and G., assignors.)						
Foerster, George E. (See Hofmann, Louis, assignor.)						
Foerster, Norbert. (See Carey, Daniel J., assignor.)						
Fogal, William T., Emsworth, Pa. Pasteurizer.	756,012	Mar. 29	5469	1207	109	1263
Fogarty, James H., New York, N. Y. Sectional wheel for power transmission.	752,898	Feb. 23	4022	901	108	1986
Fogarty, John C., assignor of one-half to Maxwell Mfg. Co., New Hartford, N. Y. Feed mechanism for sewing-machines.	767,391	Aug. 16	3600	761	111	1873
Fogel, Rube R., New York, and W. Bourke, Brooklyn, N. Y. Button.	749,856	Jan. 19	2056	567	108	628
Fogg, Charles F., assignor of one-half to C. L. Rowland, New York, N. Y. Fluid-motor.	771,004	Sept. 27	3581	754	112	857
Foglesong, Charles, St. Paul, Minn. Electric blanket.	750,179	Jan. 19	3266	704	108	757
Foglesong, Ida J., St. Paul, Minn. Horse-blanket.	754,294	Mar. 8	2120	470	109	481
Foglesong, Washington, Dayton, Ohio. Coal-mining machine.	755,291	Mar. 22	4057	900	109	485
Fogliano, Domenico, New York, N. Y. Corset.	757,291	Apr. 12	2143	469	109	1816
Fogus, Louise, San Francisco, Cal. Self-adjusting waist.	762,581	June 14	1910	412	110	1871

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Folding Baby Carriage Company. (See Fanning, Charles E., assignor.)						
Foley, Daniel T., Philadelphia, Pa. Carpet-fastening	761,467	May 31	5746	1296	110	1347
Foley, Daniel T., assignor of one-half to W. McNeice, Philadelphia, Pa. Truss.	752,445	Feb. 16	3140	698	108	1774
Foley, James S., West Bromwich, England. Motor sparking plug.	749,045	Jan. 5	990	210	108	230
Foley, Patrick F., New York, N. Y. Elevator	759,087	May 3	989	201	110	224
Foley, Peter H., Boston, Mass. Leg-rest for banjos, &c.	752,664	Feb. 23	3578	797	108	1887
Foley, William C., Chicago, Ill. Drawer-lock for sewing-machine stands.	766,436	Aug. 2	581	123	111	1167
Foley, William H., Mapleton, Ill. Miner's pick.	774,749	Nov. 15	2369	511	113	504
Folger, Harry S. (See Kern and Johnson, assignors.)						
Folger, Harry S., Chicago, Ill. Type-holder.	748,715	Jan. 5	304	68	108	67
Folger, Harry S., Chicago, Ill. Type-holder.	766,337	Aug. 2	398	84	111	1128
Folger, Henry C., West Somerville, assignor to American Coil Company, Boston, Mass.	762,034	June 7	815	167	110	1614
Folger, Henry C., West Somerville, assignor to American Coil Company, Boston, Mass.						
Ignition apparatus for gas-engines or the like	768,793	Aug. 30	5449	1148	111	2324
Follinsbee, Harrison D. (See Smith, William R., assignor.)						
Folk, Richard F., and D. O. Teats, Montpelier, Ohio. Miter-box	768,361	Aug. 23	4533	954	111	2099
Folkers Saw Filing Machine Co. (See Schell, Maximilian P., assignor.)						
Follett, Wilbur I., Mendham, N. J. Time-stamp.	777,900	Dec. 20	2836	623	113	2076
Follett, Wilbur I., Mendham, N. J. Time-stamp.	777,991	Dec. 20	2838	624	113	2076
Follette, Julia B. (See Gardner, Fulton, assignor.)						
Follin, Paul J. (See Bredannaz and Follin.)						
Folmer & Schwing Manufacturing Company. (See Folmer, William F., assignor.)						
Folmer, William F., New York, N. Y. Magazine film-holder.	762,035	June 7	816	167	110	1614
Folmer, William F., New York, N. Y. Focal-plane shutter	763,173	June 21	3098	665	110	2150
Folmer, William F., New York, N. Y. Plate-holder	773,382	Oct. 25	4526	958	112	2004
Folmer, William F., New York, N. Y., assignor to Folmer & Schwing Manufacturing Company, of New York. Camera	756,614	Apr. 5	801	174	109	1512
Folmer, William F., and A. M. Lawrence, New York, N. Y. Stereoscope	749,046	Jan. 5	991	210	108	230
Folsom, George F., Rosindale, assignor to H. M. Esselen, Boston, Mass. Snow-guard.	752,216	Feb. 16	2987	594	108	1676
Folsom, Henry W., Lowell, Mass., assignor, by mesne assignments, to McMichael & Wildman Manufacturing Company, Norristown, Pa. Fabric-slitting device for knitting-machines	770,633	Sept. 20	2849	605	112	675
Folsom, Mary H. (See Folsom, William and M. H.)						
Folsom, William and M. H., Elk, Pa. Post-office box	770,747	Sept. 27	3659	650	112	740
Folstrup, C. Walter. (See Richardson, Warren, assignor.)						
Foltz, Irving E., Rockford, Ill. Shaving-mug.	754,761	Mar. 15	3096	676	109	712
Foltz, Silas M., Rawson, Ohio. Portable derrick	776,657	Dec. 6	378	82	113	1512
Fomm, Hans, Leipzig-Reudnitz, Germany. Color-printing press.	773,009	Oct. 25	3908	789	112	1795
Fomm, Hans, Leipzig-Reudnitz, Germany. Color printing and stamping press	777,792	Dec. 20	2463	781	113	1998
Fonda, Isaac L., Beverly, Mass. Non-refillable bottle	761,292	May 31	5426	1153	110	1273
Fontaine, Patrick H., Bethel Hill, N. C. Shock-binder	749,047	Jan. 5	994	210	108	231
Fontaine, Herman A., assignor of four-ninths to J. H. Crouse, Auburn, N. Y. Horse-collar	778,184	Dec. 20	3417	750	113	2193
Font, Arturo, New York, N. Y. Lacing-eyelot	762,038	June 7	820	168	110	1615
Font, Arturo, New York, N. Y.	762,037	June 7	821	168	110	1615
Font, Arturo, New York, N. Y. Toy bank	771,051	Sept. 27	3677	775	112	876
Fooks, Charles J., Ealing, England. Casement-stay for windows.	762,295	June 14	1325	283	110	1748
Foos Gas Engine Company. (See Credlebaugh and Sonander, assignors.)						
Foos Gas Engine Company. (See Sonander, Andrew, assignor.)						
Foos Manufacturing Company. (See Adelsperger, Dow L., assignor.)						
Foos Manufacturing Company. (See Deards, Copenhagen, and Adelsperger, assignors.)						
Foot, William H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush-holder for electrical machines	753,866	Mar. 8	1305	293 294	109	302
Foot, William H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Direct-current generator	758,635	May 3	60	12	110	18
Foote, Arthur D., Grass Valley, Cal. Gravity-tramway block	769,998	Sept. 13	1649	349	112	390
Foote, Charles E. and C. T. Nunda, N. Y. Mixing-machine.	749,962	Jan. 19	2860	611	108	672
Foote, Charles G., Denver, Colo., assignor to T. Carroll, Anaheim, Cal. Dumping apparatus.	749,139	Jan. 5	1190	254 255	108	276
Foote, Chester T. (See Foote, Charles E. and C. T.)						
Foote, Franklin S., assignor of two-thirds to W. G. La Rue and H. Grotophorst, Baraboo, Wis. Box.	767,879	Aug. 16	3504	741	111	1532
Foote, Hubert T., New Rochelle, N. Y. Vaginal syringe	766,106	July 26	4415	945	111	999
Foote, James H., Cincinnati, Ohio. Weather-strip	752,767	Feb. 23	3759	839	108	1928
Foote, John H., assignor one-half to H. S. McLeod, Troy, N. Y. Boiler-furnace.	753,059	Feb. 23	4364	973	108	2064
Foote, Lewis, Chicago, Ill. See Koch	771,619	Oct. 4	778	175	112	1127
Foote, Theodore M., New York, N. Y. Oscillating motor	775,560	Nov. 22	4126	867	113	987
Foran, Milton, Salt Lake City, Utah. Cheese-cutting machine	769,999	Sept. 13	1650	349 350	112	390
Forbes, Andrew, Philadelphia, Pa. Wrapper for bottles.	759,602	May 10	2069	423	110	485
Forbes, Andrew, Philadelphia, Pa. Filter	767,808	Aug. 16	3355	710	111	1821
Forbes, John H., assignor of one-sixteenth to J. N. Ramsey, Cincinnati, Ohio. Metal casting	777,338	Dec. 13	1715	380	113	1823
Forbes, John M., assignor of one-half to M. Mendelson, Los Angeles, Cal. Combination piece of furniture	774,136	Nov. 1	1182	252	113	268
Forbes, John S., Philadelphia, Pa. Apparatus for heating and sterilizing	750,737	Jan. 26	4395	947	108	1022
Forbes, John S., Philadelphia, Pa. Apparatus for evaporating or distilling	760,440	May 24	3681	779	110	878
Forbes, Joseph W. (See Cox and Forbes.)						
Forbes, Robert, Downieville, Cal. Trunk-strap.	749,782	Jan. 19	2826	587	108	599
Forbes, Thomas C., Minneapolis, Minn. Device for steadying ships	769,693	Sept. 13	1065	229	112	260
Forbes, William C., Elsternwick, Victoria, Australia. Distance-recorder for ships	749,927	Jan. 19	2804	598	108	661
Force, Charles, Chicago, Ill. Refuse-crematory	774,871	Nov. 15	2026	564	113	621
Force, Horace W., Newburgh, N. Y. Slide-carrier for stereopticons, magic lanterns, or the like	749,048	Jan. 5	996	210	108	232
Force, John J., Elizabeth, N. J. Coin-controlled apparatus for heavy currents.	771,543	Oct. 4	649	141	112	1067
Force, William A., New York, N. Y. Hand-stamp	763,551	June 28	3837	831	110	2333
Fork, Joseph H. M., Taos, Mo. Cattle-dehorning implement	777,668	Dec. 20	2374	521	113	1979
Fork, Carl, Hanover, Germany. Baking-mold	750,445	Jan. 26	3760	817	108	887
Fork, Carl, assignor to Hanneversche Cakesfabrik H. Bahlsen, Hanover, Germany.	754,131	Mar. 8	1814	403 404	109	417
Contrivance for making hollow pastry or rolls.						

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Ford, Adelbert L., Prescott, Kans. Crate	771,724	Oct. 4	983	220	112	1169
Ford, Ambrose C., and R. T. Moseley, Cliftonforge, Va. Bottle-washer	772,796	Oct. 18	3191	695	112	1685
Ford, Andrew F., assignor of one-half to W. Schluting, Colfax, Wash. Rotary engine	753,790	Mar. 1	1143	257	109	246
Ford, Charles A., Madison, Ind. Can-opener	749,548	Jan. 12	2064	429	108	484
Ford, Charles G., Roseville, Ohio. Rail-joint	773,538	Nov. 1	50	10	113	15
Ford, Darden, Homer, La. Sliding chord-bar for autoharps	753,867	Mar. 8	1806	294	109	302
Ford, David L., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Automatic ribbon-reverse for type-writers	777,282	Dec. 13	1599	355	113	1796
Ford, Eugene, Wilmington, Del. Electric igniter for gas-engines	764,998	July 12	2243	463	111	506
Ford, Echebert T., assignor to P. H. Murphy, St. Louis, Mo. Engine	759,510	May 10	1896	381	110	449
Ford, Echebert T., assignor to P. H. Murphy, St. Louis, Mo. Lighting system for locomotives	759,511	May 10	1899	381	110	450
Ford, George R., and B. F. Allen, St. Louis, Mo.; said Allen assignor to said Ford. Roll-grinding apparatus	750,528	Jan. 26	3918	850	108	920
Ford, George R., and B. F. Allen, St. Louis, Mo.; said Allen assignor to said Ford. Roll-grinding apparatus	750,529	Jan. 26	3922	850	108	920
Ford, George R., and B. F. Allen, St. Louis, Mo.; said Allen assignor to said Ford. Roll-grinding apparatus	750,530	Jan. 26	3925	851	108	921
Ford, George R., and B. F. Allen, St. Louis, Mo.; said Allen assignor to said Ford. Roll-grinding apparatus	750,531	Jan. 26	3927	852	108	921
Ford, George T. (See Drury, William H., assignor.)						
Ford, Harriet F., Osterville, Mass. Ironing-table	761,468	May 31	5747	1226	110	1347
Ford, Henry, Detroit, Mich. Chain adjustment for motor-vehicles	769,734	Sept. 13	1138	245	112	276
Ford, Henry, Detroit, Mich. Muffler	773,934	Nov. 1	813	170	113	187
Ford, James, Johnstown, Pa. Railway-frog	763,872	June 28	4458	970	110	2466
Ford, James D., Somerset, Ohio. Dental appliance	767,743	Aug. 16	3224	679	111	1792
Ford, James D., Somerset, Ohio. Gold-leaf condenser	767,744	Aug. 16	3225	680	111	1793
Ford, James S., (See Larned and Ford.)						
Ford, James S., Chicago, Ill., assignor to American Telephone and Telegraph Company. Wire-connector	748,716	Jan. 5	305	68	108	67
Ford, James S., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange apparatus	768,039	Aug. 23	3865	810	111	1950
Ford, John P. (See McVeety, Charles, assignor.)						
Ford, Joseph, Cromwell, New Zealand. Perambulator	752,287	Feb. 16	2331	628	108	1708
Ford, R. G., et al. (See Cornish, Harry B., assignor.)						
Ford, Samuel M., Flora, Ill. Harrow	769,260	Sept. 6	242	56	112	52
Ford-Smith, William D., and T. Coventry, Salford, England. Clutch mechanism	757,605	Apr. 19	3198	695	109	2060
Ford, Thomas P., New York, N. Y. Controlling device for maintaining steady pressure	757,903	Apr. 19	3378	730	109	2099
Ford, W. E., et al. (See Cornish, Harry B., assignor.)						
Forde, Thomas J., assignor of two-thirds to F. S. Turner and C. B. Gladding, Geneva, Ohio. Razor-strop dresser	753,060	Feb. 23	4366	972	108	2065
Forde, Thomas J., assignor of two-thirds to F. S. Turner and C. B. Gladding, Geneva, Ohio. Razor-strop dresser	753,196	Feb. 23	4607	1026	108	2119
Forde, James R., River Falls, Wis. Dust-pan	772,093	Oct. 11	1776	395	112	1355
Forder, Percy, Wolverhampton, England. Front light for hansom-cabs	765,467	July 19	3158	661	111	718
Fordyce, Edmond A., Boston, Mass., assignor, by mesne assignments, to Lamson Consolidated Store Service Company, Newark, N. J. Pneumatic-despatch tube apparatus	777,723	Dec. 20	2464	543	113	1998
Foreman, Samuel E., and R. T. Lightfoot, Paducah, Ky. Water-filter	754,296	Mar. 8	2122	470	109	481
Forest, Antonio. (See Escudor and Forest.)						
Forest City Electric Company. (See Wherry, William H., assignor.)						
Forger, William, New York, N. Y. Cleaning white leather goods	776,830	Dec. 6	744	-----	113	1590
Forman, Archibald C. (See Hendrickson, James G., assignor.)						
Fornaci, Horace. (See Frugoli and Fornaci.)						
Fornander, Alfred, New York, N. Y. Folding safety-razor	756,615	Apr. 5	806	174	109	1513
Fornander, Alfred, New York, N. Y. Beater or movement apparatus	775,813	Nov. 22	4615	978	113	1092
Fornander, Alfred, New York, N. Y., assignor to Carpet Yarn Printing Company. Apparatus for coloring yarns	750,758	Jan. 26	4389	947	108	1022
Fornander, Alfred, assignor of one-half to A. Schulte, New York, N. Y. Windmill	756,616	Apr. 5	807	174	109	1513
Fornander, Alfred, assignor of one-half to A. Schulte, New York, N. Y. Windmill	774,168	Nov. 8	1241	265	113	297
Forney, Charles, et al. (See Rote, Charles V., assignor.)						
Forney, John A., Reading, Pa. Pick for musical instruments	756,348	Apr. 5	815	65	109	1410
Forney, John A., New York, N. Y. Coffee-range	763,473	June 28	3700	798	110	2305
Forquer, Charles. (See McCann, James P., assignor.)						
Forquignon, Emil, New York, N. Y. Dental tool	778,650	Dec. 27	4843	948	113	2414
Forrer, Joseph D. (See Garrett and Forrer.)						
Forrest, James, Spokane, Wash. Device for cleaning bottoms of ships	769,434	Sept. 6	573	127	112	131
Forrest, William J., Jr., Kenosha, Wis. Electrical indicator	770,230	Sept. 13	2061	434	112	479
Forrester, Alexander, Cleveland, Ohio. Floorproof construction for floors, ceilings, &c.	774,512	Nov. 8	1874	407	113	435
Forrester, Eli T., Deadwood, S. D. Artificial hand	759,169	May 3	1149	233	110	261
Forrester, Lindsey F., Foxboro, Mass. Trolley	769,070	Aug. 30	6019	1261	111	2451
Forry, Franklin S., Myerstown, Pa. Stop-motion for knitting-machines	778,538	Dec. 27	4115	896	113	2364
Forsans, Pierre. (See Monbeig and Forsans.)						
Forsbeck, Filip A., Milwaukee, Wis. Safety-pin	777,409	Dec. 13	1850	409	113	1852
Forsberg, Fredrik, Sandviken, Sweden. Manufacture of iron or steel wire	769,603	Sept. 6	890	192	112	201
Forsberg, Gustave W., Washington, D. C. Plug-tobacco press	763,744	June 28	4207	1917	110	2414
Forsberg, John C., La Crosse, Wis. Window-shade hanger	753,868	Mar. 8	1309	224	109	303
Forse, Samuel B., Pittsburg, Pa. Lubricator	776,900	Dec. 6	879	190	113	1620
Forshee, Bird L., Hartford, N. Y. Curtain-bracket	770,056	Sept. 13	1736	367	112	409
Forsheim, Joseph, assignor to American Wheel Company, New York, N. Y. Game apparatus	776,312	Nov. 29	5584	1184	113	1328
Forstlund, Noble G., Cherokee, Iowa. Wrench	749,668	Jan. 12	2275	480	108	528
Forst, Moritz, New York, N. Y. Twine-cutter	758,632	May 3	502	100	110	121
Forster, Ferdinand E., New York, N. Y. Chum-delivering apparatus	758,494	Apr. 26	4448	957	109	2353
Forster, Frank E. (See Roseau, William H. de, assignor.)						
Forster, John, St. Helens, England. Machine for making glass bottles, &c	767,515	Aug. 16	2806	586	111	1699
Forster, John J. (See Waldo, James C., assignor.)						
Forster, John W. L. (See McCollum, James H. K., assignor.)						
Forster, Thomas W., assignor of one-half to Buhl Stamping Company, Detroit, Mich. Handle for vessels	758,590	Apr. 26	4752	1023	109	2422

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Forsyth, George H. (See Chaffee, Frank W., assignor.)						
Forsyth, George H., Chicago, Ill. Draft-rigging mechanism	765,964	July 26	4123	881	111	938
Forsyth, George H., Chicago, Ill. Draft-rigging mechanism	766,610	Aug. 2	969	928	111	1257
Forsyth, George H., Chicago, Ill. Draw-bar guiding and resistance mechanism	772,653	Oct. 18	2994	637	112	1622
Forsyth, George H., assignor to Curtain Supply Company, Chicago, Ill. Curtain-fixture.	762,397	June 14	1504	328	110	1785
Forsyth, Henry H., Chicago, Ill. Shade or curtain holder	766,681	Aug. 2	1120	233	111	1290
Forsyth, Henry H., Chicago, Ill. Curtain or shade holder	766,682	Aug. 2	1123	233	111	1291
Forsyth, Henry H., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture.	777,724	Dec. 20	2467	543	113	1909
Forsyth, William H., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture.	769,895	Sept. 13	1440	308	112	342
Forsythe, E. L. <i>et al.</i> (See Carden, Luther W., assignor.)						
Forsythe, J. M. <i>et al.</i> (See Carden, Luther W., assignor.)						
Forsythe, William, Tama, Iowa. Vending-machine	751,276	Feb. 2	942	214	108	1257
Fort, Guy E. (See Warren, Albert P., assignor.)						
Fort, Joseph, Wellston, Ohio. Bit-stock	754,295	Mar. 8	2121	470	109	481
Fort Wayne Foundry and Machine Company. (See Seibt and Cook, assignors.)						
Forter-Miller Engineering Company. (See Forter, Samuel, assignor.)						
Forter, Samuel, Pittsburg, Pa., assignor to Forter-Miller Engineering Company. Feeding device for gas-producers, furnaces, or the like	767,399	Aug. 16	2508	1540	111	1644
Forter, Samuel, Pittsburg, Pa., assignor to Forter-Miller Engineering Company. Furnace-charging apparatus	773,634	Nov. 1	193	42, 43	113	47
Fortescue, Charles L. (See Peck and Fortescue.)						
Fortescue, Charles L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulation for transformer-coils	761,039	May 24	4924	1043	110	1146
Fortin, Jules H. A., Raismes, France. Lubricator	771,052	Sept. 27	3678	776	112	877
Fortney, Frank G., Monroeville, Ind. Creaming-can	748,598	Jan. 5	80	21	108	19
Forton, Dwight E., Ewart, Mich. Tile-machine	749,669	Jan. 12	2276	480	108	529
Fortun, Ricardo, and E. Semprun, Madrid, Spain. Electric accumulator	759,431	May 10	1742	353	110	415
Fortun, Ricardo, and E. Semprun, Madrid, Spain. Solder for aluminium or aluminium alloys	778,025	Dec. 20	3116		113	2130
Forwood, Francis A. (See Webb, Edward D., assignor.)						
Forwood, Lorin C., Decatur, Ill. Apparatus for grinding or polishing metals	749,179	Jan. 12	1282	276	108	314
Fosdick, Eugene H., Los Angeles, Cal. Blowpipe	773,203	Oct. 25	4177	851	112	1928
Fosdick, Lloyd E., Liberty, Ind. Undertaker's cooling-board	776,313	Nov. 29	5585	1184	113	1328
Foshee, Mason, Chapman, Ala. Conveyor	753,482	Mar. 1	482	113	109	106
Foshee, Mason, Chapman, Ala. Bolt-sawing machine	764,717	July 12	1691	346	111	385
Foshee, Mason, Chapman, Ala. Sawing device	767,048	Aug. 9	1875	393	111	1478
Foshee, Mason, Chapman, Ala. Bolster for dumping-cars	770,899	Sept. 27	3378	713	112	810
Foss, John J., Glenville, assignor by mesne assignments, to Boley Wire Fence Company, Sandusky, Ohio. Wire-fence-weaving machine	750,389	Feb. 2	117	26, 27	108	1083
Fosselman, Charles S., Hartford, Conn. Rule	762,474	June 14	1692	365	110	1825
Fosselman, Otto C., Chicago, Ill. Counterbalanced stairway or ladder	772,094	Oct. 11	1777	395	112	1355
Fosston Wind Stacker Company. (See Larson, Ole L., assignor.)						
Foster, Albert R., <i>et al.</i> (See Barrett and Hickerson, assignors.)						
Foster, Alfred W., assignor to Foster Brush Manufacturing Company, Washington, D. C. Nap-restoring device	753,970	Mar. 8	1516	338	109	349
Foster Bros. Mfg. Co. (See Foster, William S., assignor.)						
Foster Brush Manufacturing Company. (See Foster, Alfred W., assignor.)						
Foster, Charles E., Washington, D. C., assignor to W. P. Simpson, Overbrook, Pa. Lawn-mower	751,844	Feb. 9	1976	449	108	1497
Foster, Charles E., Washington, D. C., assignor to W. P. Simpson, Philadelphia, Pa. Lawn-mower	752,665	Feb. 23	3579	797	108	1888
Foster, Charles G., North English, Iowa. Window-curtain fixture	751,906	Feb. 9	2096	474	108	1526
Foster, Charles H., Omaha, Neb. Hot-air register	773,068	Oct. 25	3800	812	112	1840
Foster, Clair, Douglaston, N. Y. Scaffold	763,274	June 21	3277	706	110	2191
Foster, Clair, Douglaston, N. Y. Erecting scaffolds	763,375	June 21	3279	707	110	2191
Foster, David L. (See Huber and Foster.)						
Foster, Ernest H., New York, N. Y. Hydraulic ram	767,516	Aug. 16	2808	587	111	1699
Foster, Finley M., New York, N. Y. Vehicle axle	771,053	Sept. 27	3682	776	112	877
Foster, George M., assignor of one-third to H. E. Parker, Manchester, N. H. Picking mechanism for looms	772,506	Oct. 18	2630	578	112	1564
Foster, George W., Westfield, Mass. Yarn-package	766,175	Aug. 2	87	7	111	1050
Foster, George W., Westfield, Mass. Mechanical movement	766,878	Aug. 9	1559	336	111	1406
Foster, George W., Westfield, Mass. Spinning and twisting machine	768,442	Aug. 23	4729	992	111	2149
Foster, Isaac M., West Covington, Ky. Clutch for variable-speed counter-shafts	770,057	Sept. 13	1737	367	112	409
Foster, J. W., <i>et al.</i> (See Holiday, Henry C., assignor.)						
Foster, James A., Binghamton, N. Y. Bottle	752,335	Feb. 16	2925	652	108	1735
Foster, James A., Binghamton, N. Y. Non-refillable bottle	762,475	June 14	1694	365	110	1825
Foster, James P., London, Ohio. Loading device	766,029	July 26	4261	911	111	966
Foster, Jed S., Westfield, N. J., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Suspension device for two-rope buckets	749,784	Jan. 19	2528	537	108	600
Foster, John H. (See Sharpe, Alfred H. B., assignor.)						
Foster, John H., Fall River, Mass. Weft-fork	760,860	May 24	4542	969	110	1066
Foster, John H., Fall River, Mass. Warp stop-motion for looms	774,316	Nov. 8	1510	324	113	357
Foster, John J. (See Powers, Walter J., assignor.)						
Foster, John R., Chicago, Ill. Copy-holding device	749,738	Jan. 19	2527	537	108	600
Foster, Joseph, Brooklyn, N. Y. Water-heater	759,693	May 10	2070	424	110	485
Foster Machine Company. (See McKean, John O., assignor.)						
Foster, Marion J., assignor of one-half to J. H. Belknap, Hillside, Colo. Baling-press	772,929	Oct. 25	3458	749	112	1762
Foster, Nathaniel L., trustee. (See Ellis, Carleton, assignor.)						
Foster, Rolon E., East Boston, Mass., assignor, by mesne assignments, to Foster Rubber Company, Kennebunk, Me. Rubber tread. (Reissue.)	12,219	May 17	3615	763	110	847
Foster, Rolon E., Boston, Mass., assignor to Foster Rubber Company, Kennebunk, Me. Making rubber heels	777,653	Dec. 13	2350	517	113	1958
Foster Rubber Company. (See Foster, Rolon E., assignor.)						
Foster Rubber Company. (See Foster, Rolon E., assignor.) (Reissue.)						
Foster, Theodore W., Providence, R. I. Locket	752,336	Feb. 16	2927	653	108	1729

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Foster, Thomas J. (See Nelson, Stewart, and Foster.)						
Foster, William B., Newark, N. J. Car vestibule and step	777,283	Dec. 13	1601	1355 1356	113	1797
Foster, William P., Jacumba Springs, Cal. Convertible wrench and vise	770,058	Sept. 13	1738	367	112	409
Foster, William S., assignor to Foster Bros. Mfg. Co., Utica, N. Y. Crib-bed	766,236	Aug. 2	185	36	111	1082
Foucher, Bulb and Bottle Company. (See Doane, Samuel E., assignor.)						
Foucher, John W., Ryan, assignor of two-thirds to H. B. and C. A. Hutchison, Herndon, Va. Electrical alarm for telephone call-bells	774,059	Nov. 1	1045	294	113	236
Foulds, Alfred J. and H. A., Philadelphia, Pa. Machine for spinning and winding yarn	776,128	Nov. 29	5247	1108	113	1251
Foulds, Alfred J. and H. A., Philadelphia, Pa. Machine for spinning and winding yarn	776,129	Nov. 29	5250	1109	113	1252
Foulds, Henry A. (See Foulds, Alfred J. and H. A.)						
Foulds, William C., et al. (See Meyer, Robert, assignor.) (Reissue.)						
Fountain, John T., Richmond, Ind. Garden-plov	771,901	Oct. 11	1364	310	112	1264
Foulkes, Joseph E., Crawfordsville, Ind. Shovel-handle-bending machine	766,176	Aug. 2	38	7	111	1050
Foulkes, William H., Rochester, N. Y. Lantern	778,651	Dec. 27	4344	949	113	2414
Foulkes, Charles E., Covington, Ky. Race-track barrier	754,986	Mar. 22	3525	772	109	821
Fountain City Drill Company. (See Faas, Henry N., assignor.)						
Fountain City Drill Company. (See Faas and Marsh, assignors.)						
Fountain City Drill Company. (See Marsh, Frank E., assignor.)						
Fountain, John, Jr., Elizabeth, N. J. Universal floor-box for the distribution of electric wires	760,326	May 17	3471	730	110	815
Fournier, Eugene, Paris, France. Vaporizing apparatus	760,784	May 24	4393	934	110	1035
Fournier, Frederick, Pontiac, Mich. Weather-strip	749,597	Jan. 19	2729	584	108	645
Fournier, Gaston, Paris, France. Folding binocular	759,170	May 3	1150	234	110	262
Foust, Charles W., Los Angeles, Cal. Clapboard-marking gage	758,758	Mar. 29	4976	1107	109	1150
Foust, Thaddeus A., and W. A. Hunter, Pittsburg, Pa. Window-screen	760,390	May 17	3581	755 756	110	899
Fowle, Charles L., assignor to Dowagiac Manufacturing Company, Dowagiac, Mich. Multiple evenor	759,361	May 10	1615	325	110	385
Fowler, Charles S., and F. C. Wetzler, Toledo, Ohio. Mop-wringer	750,534	Jan. 26	3566	779	108	852
Fowler, Charles V., Los Angeles, Cal. Apparatus for raising or lowering heavy bodies	749,898	Jan. 19	2730	584 585	108	645
Fowler, Edwin. (See Palmer, Herbert R., assignor.)						
Fowler, Frank D., et al. (See Heep, Louis B., assignor.)						
Fowler, John H., Mount Union, Pa. Folding box	765,174	July 19	2569	537	111	592
Fowler, John H., Mount Union, Pa. Picture-hanger	769,794	Sept. 13	1241	267	112	298
Fowler, Joseph C., Baltimore, Md., assignor to Castotype Machine Company, Chicago, Ill. Type casting and setting machine	765,965	July 26	4129	882 883	111	940
Fowler, Joseph C. and Joseph C., Jr., Baltimore, Md., assignors to Castotype Machine Company, Chicago, Ill. Type casting and setting machine	768,565	Aug. 23	4967	1039 1040 1041 1042	111	2198
Fowler, Joshua P., Philadelphia, Pa. Automatic railway-gate	758,518	Apr. 26	4605	991	109	2389
Fowler, Robert H., T. Benstead, and A. Pepper, Leeds, England. Mechanically-worked plov	764,445	July 5	1100	223	111	243
Fowler, Willie G., Winnipeg, Canada. Corner guard or protector for trunks	774,575	Nov. 8	1993	433	113	460
Fowler, William A., Salisbury, N. C. Box-motion for looms	777,196	Dec. 13	1442	318 319	113	1762
Fowler, William F., and E. A. King, assignors of one-third to C. H. Krippendorf, Cincinnati, Ohio. Lasting shoes	777,197	Dec. 13	1445	319	113	1762
Fowler, William W., Millersburg, Ohio. Railway-tie	777,782	Dec. 20	2582	571	113	2024
Fox, Albert B., Brazil, N. D. Stove	750,355	Jan. 26	3597	780	108	852
Fox, Alfred, et al. (See Wiesman, Lester A., assignor.)						
Fox, Charles K. (See Webster, Harold A., assignor.)						
Fox, Christopher C., Higginsville, Mo. Well-drill	750,840	Feb. 2	121	28	108	1084
Fox, Clarence A., Chicago, Ill. Hand-stamp	768,873	June 28	4489	970 971	110	2466
Fox, Frances M., Chicago, Ill. Advertising device and cigar-cutter	762,815	June 14	2938	521	110	1975
Fox, Fred E., Kinsley, Kans. Header	774,000	Nov. 1	1049	224	113	237
Fox, George E., Pittsburg, Pa. Wrench	753,869	Mar. 8	1310	205	109	303
Fox, Harry H., Baltimore, Md., assignor, by mesne assignments, to Philadelphia Arms Company, Philadelphia, Pa. Breech-loading breakdown gun	767,557	Aug. 16	2991	604	111	1718
Fox, Henry C., Louisville, Ky. Saddle	754,987	Mar. 22	3526	772	109	821
Fox, Henry H., Newburgh, N. Y. Weighing-scoop	748,856	Jan. 5	572	130	108	129
Fox, Ira R., Brooklyn, N. Y. Campaign-horn	772,411	Oct. 18	2431	533	112	1532
Fox, Ivan, Lansdowne, Pa. Bow-spring	755,124	Mar. 22	3753	825	109	872
Fox, Ivan, Lansdowne, Pa. Eyeglasses	756,228	Apr. 5	72	16	109	1358
Fox, Ivan, Philadelphia, Pa. Spectacle-frame	767,809	Aug. 16	3357	710	111	1822
Fox, James C., Battersea, assignor to Morgan Crucible Company, Limited, London, England. Muffle	771,054	Sept. 27	3684	776	112	877
Fox, James C., Battersea, assignor to Morgan Crucible Company, Limited, London, England. Cupel	765,738	July 26	3679	785	111	842
Fox, James E., assignor to Collingwood Brick Company, Toledo, Ohio. Brick-mold-washing machine	777,725	Dec. 20	2469	544	113	2000
Fox, James H., Bowen, Mont. Derrick	777,620	Dec. 13	2279	500	113	1943
Fox, John H., assignor to G. M. Potter, Cleveland, Ohio. Repeating torpedo-cane	774,660	Nov. 8	2134	469	113	491
Fox, Joseph M., Peekskill, N. Y. Water-heater	773,635	Nov. 1	135	43	113	48
Fox Machine Company. (See Fox and Barrett, assignors.)	760,327	Nov. 1	655	138	113	152
Fox, Peter, Chicago, Ill. Apparatus for heating ovens or other compartments	773,862	May 17	655	138	113	152
Fox, Robert, New Rochelle, assignor to Saks & Company, New York, N. Y. Convertible tourist and automobile cap	763,602	June 23	3921	853	110	2351
Fox, Robert, New Rochelle, assignor to Saks & Company, New York, N. Y. Combined tourist and automobile cap	763,276	Aug. 23	4380	920	111	2067
Fox, Robert, New Rochelle, assignor to Saks & Company, New York, N. Y. Trousers-protector	770,000	Sept. 13	1633	350	112	391
Fox, Robert, New Rochelle, assignor to Saks & Company, New York, N. Y. Automobile-coat	770,457	Sept. 20	2503	531	112	598
Fox, Robert, New Rochelle, assignor to Saks & Company, New York, N. Y. Dress-protector	770,458	Sept. 20	2504	531	112	599
Fox Tank and Valve Company. (See Ascher, Edward K., assignor.)						
Fox, Thomas J., Memphis, Tenn. Hitching-post	753,971	Mar. 8	1517	338	109	330
Fox, Thomas S., Brooklyn, N. Y. Printing-film	761,668	June 7	82	14	110	1455
Fox, Thomas S., Brooklyn, N. Y. Artist's palette and attachments	765,396	July 19	2879	601	111	660

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Fox Typewriter Co. (See Fox, William R., assignor.)						
Fox Typewriter Company. (See Fox and Barrett, assignors.)						
Fox, William R., assignor, by mesne assignments, to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash-cord guide	763,474	June 28	3701	798	110	2305
Fox, William R., assignor to Fox Typewriter Co., Grand Rapids, Mich. Type-writer	777,892	Dec. 20	2841	624	113	2077
Fox, William R., and G. J. Barrett, assignors to Fox Machine Company, Grand Rapids, Mich. Type-writing machine	771,620	Oct. 4	791	175	112	1128
Fox, William R., and G. J. Barrett, assignors, by mesne assignments, to Fox Typewriter Company, Limited, Grand Rapids, Mich. Carriage-feed mechanism for type-writers	775,269	Nov. 15	3475	734	113	824
Fox, William R., and G. J. Barrett, assignors to Fox Typewriter Co., Ltd., Grand Rapids, Mich. Scale and pointer mechanism for type-writer machines	775,270	Nov. 15	3480	735	113	826
Foy, Alphonse L., assignor of one-half to G. Wolfe, New York, N. Y. Envelop	765,337	July 19	2881	601	111	666
Foy, George P., deceased, Homestead, Pa.; L. Foy, administratrix, assignor of one-half to A. Neill, Pittsburgh, Pa. Machine for handling ingots or like pieces under the hammer	749,049	Jan. 5	1000	212	108	232
Foy, Lizzie, administratrix. (See Foy, George P.)						
Foyer, Melvin J., assignor, by mesne assignments, to Bostedo Pneumatic Tube Company, Chicago, Ill. Pneumatic conveyer	750,356	Jan. 26	3598	780	108	852
Foyer, Melvin J., assignor to American Bank Service Company, Chicago, Ill. Copying-press	769,795	Sept. 13	1242	267	112	298
Foyer, Melvin J., assignor to American Bank Service Company, Chicago, Ill. Copying-press	769,821	Sept. 13	1306	278	112	315
Fraentzel, Frederick C., et al. (See Moersch, Ernst G., assignor.)						
Frahm, Hermann, Hamburg, Germany. Measuring the revolutions of rotating shafts	759,512	May 10	1901	382	110	450
Frahm, Hermann, Hamburg, Germany. Apparatus for measuring the revolutions of rotating shafts	759,513	May 10	1902	382	110	451
Frahm, Edward T., Lancaster, Pa. Padlock	768,741	Aug. 30	5357	1128	111	2308
Fraiser, John, Columbia, Va. Acetylene-gas generator	764,446	July 5	1100	223	111	244
Fraizer, Bronson, Decatur, Ill. Hinge-gage	758,636	May 3	62	12	110	19
Fraley, George B., Philadelphia, Pa. Apparatus for vaporizing and regulating liquefied gases	774,169	Nov. 8	1243	265	113	298
Fraley, George B., assignor to E. S. Galbraith, Philadelphia, Pa. Apparatus for producing motive power from liquid gas	756,785	Apr. 5	1137	250	109	1587
Fraley, Samuel P., Chicago, Ill. Broom-binding machine	757,103	Apr. 12	1773	385	109	1736
Frambach, Mathew J. (See Fletcher and Frambach.)						
Främbach and Freudenberg. (See Kuthe, Eugen, assignor.)						
Frankburg, Henry A., Chicago, Ill. Incandescent electric lamp socket	748,599	Jan. 5	81	22	108	20
Frankton, William H., Topeka, Kans. Hammock-swing	766,818	Aug. 9	1432	299	111	1378
France, David, Hawley, Minn. Car-starter	750,958	Feb. 2	336	80	108	1132
France, Frank, Fargo, N. D. Branding-iron	769,735	Sept. 13	1140	246	112	276
France, Richard E., Greensboro, N. C. Bedclothes-fastener	777,016	Dec. 8	1111	241	113	1674
Francis, Joseph F., Paris, France. Reinforce	767,328	Aug. 16	3622	762	111	1873
Francis, Allan E., Cleveland, Ohio. Engraving-machine	765,770	July 26	3763	801	111	858
Francis, Barbara J., New York, N. Y. Apparatus for diagnosis	761,369	May 31	5583	1189	110	1309
Francis, Charles E. (See Buehler, Edward J., assignor.)						
Francis, George S., and B. B. Ryan, Havre, Mont. Gate-fastener	752,217	Feb. 16	2688	595	108	1676
Francis, William, Philadelphia, assignor of three-fifths to F. Morton, F. Schommer, and T. Morrow, Manayunk, Philadelphia, Pa. Willow	759,362	May 10	1617	326	110	386
Francis, William, F. L. Morton, and W. Spink, Philadelphia, Pa. Feeding device	761,040	May 24	4926	1044	110	1146
Francisco, Fred C., Cuyahoga Falls, Ohio. Rotary engine	776,658	Dec. 6	381	83	113	1518
Frankce, Carl, Schöneberg, assignor to H. Heimann, Berlin, Germany. Machine for making accumulator-plates	771,055	Sept. 27	3686	777	112	878
Francois, Albert, Liege, Belgium. Apparatus for sinking cleaving-wedges	774,872	Nov. 15	2627	564	113	621
Francois, John B. (See Going, Martin B., assignor.)						
Franovich, Auguste, Coney Island, N. Y. Moving platform	766,107	July 26	4416	945	111	999
Frank, Jakob, Garwood, Tex. Cotton-picker's truck	764,447	July 5	1102	224	111	244
Frankart, Valentine B., Boundbrook, N. J. Measuring device	732,446	Feb. 16	3141	698	108	1774
Frank, Adolph, Charlottenburg, Germany. Making ammonia	776,814	Nov. 29	5386	1113	113	1828
Frank, Albert, Charlottenburg, Germany. Producing salts of hydrosulfurous acid	777,609	Dec. 20	2374	522	113	1979
Frank, Alice, New York, N. Y. Nursing appliance	773,252	Oct. 25	4269	902	112	1948
Frank, Charles, assignor of one-half to D. Neuman, Albany, Ga. Coffee-pot	770,426	Sept. 20	2448	518	112	586
Frank, Edward H., and H. E. Storer, Centralia, Ill. Torpedo-fork	753,692	Mar. 1	921	208	109	199
Frank, Edwin E., Hastings, Minn. Sawing apparatus	765,771	July 26	3765	801	111	859
Frank H. Fley & Company. (See Britton, Tob, assignor.)						
Frank, Harry A., Waterloo, Iowa. Pin-ticket	766,993	Aug. 9	1776	373	111	1455
Frank, Jacob H., et al. (See Dunn, Frederick W., assignor.)						
Frank, John J., Schenectady, N. Y., assignor to General Electric Company. Reactance-coil	762,697	June 14	2150	467	110	1924
Frank, John J., Schenectady, N. Y., assignor to General Electric Company. Reactance-coil	771,237	Oct. 4	31	6	112	968
Frank, John J., Schenectady, N. Y., assignor to General Electric Company. Multiphase transformer	771,238	Oct. 4	32	7	112	968
Frank, John J., Schenectady, N. Y., assignor to General Electric Company. Machine for winding coils	771,902	Oct. 11	1366	1310	112	1265
Frank, John P., Danville, Ky. Skid	750,446	Jan. 26	3760	817	108	827
Frank, Louis A., Chicago, Ill. Lock	757,733	Apr. 19	3050	665	109	2027
Frank Mossberg Company. (See Mossberg, Frank, assignor.)						
Frank, Oskar, assignor to L. J. Lennox and Michigan Storage Battery Co., Detroit, Mich. Battery-plate	749,785	Jan. 19	2530	537	108	601
Frank, Oskar, assignor to L. J. Lennox and Michigan Storage Battery Co., Detroit, Mich. Preparing electrodes for storage battery cells	753,883	Mar. 1	299	109	68	
Frank, William H., Burkesville, Ky. Cheese-gage	762,161	June 7	1041	219	110	1665
Frank, William H., Burkesville, Ky. Cheese-gage	770,059	Sept. 13	1740	366	112	410
Frank Wood Manufacturing Company. (See Hesse, Paul, assignor.)						
Frank, Theodore, Berlin, Germany. 1-iron bearer for concrete structures	749,967	Jan. 19	2916	622	108	635
Frankel, Harry, New York, N. Y. Electric testing clip	775,284	Nov. 15	3508	739	113	831
Frankenberg, Frank H., Pueblo, Colo. Ore-washer	764,448	July 5	1103	224	111	244
Frankenberger, Frederick G., assignor to Landon-Sharp Machine Co., Chicago, Ill. Tobacco-stripping machine	776,018	Nov. 29	5045	1064	113	1206

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Frankenthaler, Joseph. (See Rickenmann, Otto, assignor.)						
Franklin, Benjamin, Jr., and N. E. Sage, St. Louis, Mo. Non-erasable check.	778,026	Dec. 20	3117	685	113	2130
Franklin, James C., and C. M. Buce, Brags, Ind. Ter. Insect-exterminator.	777,088	Dec. 13	1252	275	113	1721
Franklin, Jefferson D., Mount Dora, Fla. Nut-lock.	763,874	June 28	4463	971	110	2467
Franklin, Jonathan H., assignor of one-half to G. W. Sewell, Sioux City, Iowa. Clair	771,621	Oct. 4	794	177	112	1139
Franklin, John, Norwood, Ohio. Antivibratory gas-burner.	777,501	Dec. 13	2028	447	113	1831
Franklin, Kalman, Fort Wayne, Ind. Paper-pad holder.	756,013	Mar. 29	5471	1207	109	1264
Franklin Rolling Mill and Foundry Company. (See Haskell, Broderick, assignor.)						
Franklin, William S., South Bethlehem, assignor of one-half to F. Conlin, Bethlehem, Pa. Electrically treating materials.	775,031	Nov. 15	2940	627	113	695
Franklow, George D., Leesville, S. C. Plow.	760,188	May 17	3222	676	110	759
Frantz, Charles T. (See Joy and Frantz.)						
Frantz, Charles T., Chicago, Ill. Coin-operated vending-machine.	773,726	Nov. 1	369	82	113	87
Frantz, Ezra A., et al. (See Eddleman, Dudley E., assignor.)						
Frantz, Hiram A., Cherryville, Pa. Liquid-fuel burner.	766,819	Aug. 9	1433	300	111	1379
Frantz, Thomas U. (See McCauley and Frantz.)						
Frantz, Ferdinand, assignor to Non Refillable Bottle Company, San Francisco, Cal. Non-refillable bottle.	768,794	Aug. 30	5452	1148	111	2324
Franz, Robert S., Etna, Pa. Furnace.	750,759	Jan. 26	4394	948	108	1023
Franzen, Frans A., assignor of one-half to P. E. Fahlbeck, Lund, Sweden. Rotary engine.	755,759	Mar. 29	4977	1107	109	1150
Frary, George S., Cleveland, Ohio. Attachment for sled-runners.	765,966	July 26	4135	883	111	941
Frasch, Hans A., New York, N. Y. Recovering nickel hydroxid.	763,053	June 21	2856	111	110	2098
Frasch, Hans A., New York, N. Y. Recovering nickel oxid and ammonia.	773,636	Nov. 1	196	43	113	48
Fraser, Angus B. (See Fraser, Warren F., assignor.)						
Fraser, Arthur C., et al. (See Lovell, Charles W., assignor.)						
Fraser, David B., New York, N. Y. Gas-burner.	776,659	Dec. 6	383	83	113	1513
Fraser, Edwin, and E. J. Hoyt, New York, N. Y. Oil-burning apparatus.	756,865	Mar. 29	5184	1147	109	1201
Fraser, Ethelbert M., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Driving-gearing for elevators.	762,698	June 14	2152	468	110	1924
Fraser, George, Topeka, Kans. Machine for making brake-shoe-key blanks.	777,893	Dec. 20	2543	625	113	2077
Fraser, George, Topeka, Kans. Manufacturing brake-shoe keys.	777,947	Dec. 20	2960	1651	113	2099
Fraser, George H., et al. (See Lovell, Charles W., assignor.)						
Fraser, George H., et al. (See McElroy, William, assignor.)						
Fraser, George H., Brooklyn, N. Y. Safety device for vehicles or other apparatus.	772,654	Oct. 18	2896	637	112	1622
Fraser, George H., Brooklyn, N. Y., and J. N. Weekly, Jersey City, N. J., said Weekly assignor to said Fraser. Car-fender.	768,040	Aug. 23	3869	811	111	1950
Fraser, Isaac A., Providence, R. I. Steam-blower.	749,050	Jan. 5	1005	212	108	233
Fraser, James W., Milburn, Scotland. Apparatus for producing sand or other molds.	766,688	Aug. 2	1126	234	111	1291
Fraser, John, and A. G. Mather, Milwaukee, Wis. Driving mechanism for sieve bolting-machines.	756,950	Apr. 12	1465	394	109	1670
Fraser, John, and A. G. Mather, Milwaukee, Wis. Sieve bolting-machine.	758,907	May 3	656	132	110	1555
Fraser, Joseph W., Ottawa, Canada. Cribwork or the like.	751,492	Feb. 9	1305	299	108	1355
Fraser, Peter, Germiston, Transvaal. Steam-trap.	768,595	Aug. 30	5063	1063	111	2239
Fraser, Warren F., Dorchester, Mass., assignor of one-half to A. B. Fraser, Amherst, Canada. Machine for separating feeding, and driving headless pointed pins.	778,484	Dec. 27	4032	877	113	2344
Fraye, Lee A., assignor, by mesne assignments, to Oscar Lear Automobile Company, Columbus, Ohio. Transmission-gear.	756,349	Apr. 5	316	65	109	1411
Frayne, Frank. (See Brower, George W., assignor.)						
Frazee, Arthur M., Hebron, Ohio. Track-oiling device.	756,617	Apr. 5	810	175	109	1514
Frazee, Cassius F., Portland, Ore. Combined jointer and raker-gage for saws.	751,390	Feb. 2	1138	259	108	1330
Frazee, Jackson F., and H. V. Whitcomb, San Francisco, Cal. Exercising-machine.	763,475	June 28	3708	708	110	2305
Frazee, Lorenzo D., Toronto, Canada. Portable hoisting apparatus.	761,157	May 31	5161	1095	110	1217
Frazier, Anne E. W., Washington, D. C. Amusement-railway.	771,056	Sept. 27	3688	777	112	878
Frazier & Geyer Company. (See Van Valer, De Witt C., assignor.)						
Frazier, Richard P., Shawnee, Okla. Ter. Oil-can.	777,670	Dec. 20	2376	592	113	1979
Frazier, Walter L., National City, Cal. Combined lock and latch.	769,213	Sept. 6	135	33	112	31
Frazier, William, Sherrett, Pa. Railway-tie.	768,448	Aug. 23	4730	992	111	2149
Frazier, William G., et al. (See Stone, Harry W., assignor.)						
Frazier, Edward S., Aurora, Ill. Sulky.	762,088	June 7	822	168	110	1615
Frazier, George W., Alamogordo, N. Mex. Ter. Sander for locomotives.	756,688	May 10	2230	460	110	520
Frazier, John P., et al. (See Inman, Edward R., assignor.)						
Frazier, Perry, Dubois, Nebr. Breech-loading firearm.	753,384	Mar. 1	301	67, 68	109	68
Freadreazea, Fread, Louisville, Ky. Attachment for cars.	758,519	Apr. 26	4607	992	109	2399
Freas, Thomas B., Chicago, Ill. Centrifugal machine.	778,355	Dec. 27	3756	919	113	2384
Freas, William J., et al. (See Viny, Eli, assignor.)						
Frees, George B. (See Kling, John C., assignor.)						
Freasier, Joseph L., St. Louis, Mo. Dust-proof axle.	759,088	May 3	990	201	110	225
Frechling, Mary F., Hamilton, Ohio. Fireplace.	773,863	Nov. 1	656	139	113	152
Fred. M. Prescott Steam Pump Company. (See Prescott, Frederick M., assignor.)						
Fred, Mason K., Pleasanton, Tex. Automatic fire-alarm.	754,555	Mar. 15	2701	587	109	625
Freden, Frank, Taylors Falls, Minn. Combined grain thresher and separator.	757,904	Apr. 19	3381	731	109	2100
Freden, Frank, Taylors Falls, Minn. Grain-screen.	757,905	Apr. 19	3385	732	109	2100
Fredenburgh, George A., Pawtucket, R. I. Twisting-head for thread-dressing machines.	756,467	Apr. 5	592	733	109	1467
Fredenburgh, George A., Pawtucket, R. I. Thread-dressing machine.	753,520	Apr. 26	4609	992	109	2390
Fredenburgh, George A., Pawtucket, R. I. Twisting-head.	760,619	May 24	4037	598	110	958
Fredenburgh, George A., Pawtucket, R. I. Thread-immersing device for thread-dressing machines.	767,639	Aug. 16	3055	698	111	1754
Fredenburgh, George A., Pawtucket, R. I. Thread-dressing machine.	767,640	Aug. 16	3057	698	111	1755
Fredenburgh, George A., Pawtucket, R. I. Thread-dressing machine.	771,136	Sept. 27	3852	812	112	916
Fredenburgh, George A., Pawtucket, R. I. Thread-dressing machine.	772,562	Oct. 18	2727	599	112	1589
Frederic, Herbert F., Bath, Me. Corking-machine.	777,502	Dec. 13	2031	449	113	1891
Frederick, Charles W. H., Melrose, Mass. Car-seat.	751,277	Feb. 2	945	215	108	1258
Frederick Stearns & Company. (See Stearns, Frederick K., assignor.)						
Fredericks, George E., Hamler, Ohio. Horse-cleaner.	749,727	Jan. 19	2412	509	108	574
Fredericks, George E., Hamler, Ohio. Horse-cleaner.	761,952	June 7	670	136	110	1586
Fredericks, William, Philadelphia, Pa. Draft-producing apparatus.	705,967	July 26	4136	883	111	941

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Fredrick, John E., Kokomo, Ind. Machine for making wire fences.....	772,231	Oct. 11	2051	451 452 1005 1006 1007 1008	112	1414
Fredrick, John E., assignor to Kokomo Steel & Wire Company, Kokomo, Ind. Machine for making ornamental fence.....	773,491	Oct. 25	4768	1005 1006 1007 1008	112	2055
Frederickson, Amandus, <i>et al.</i> (See Good, Thomas L., assignor.)						
Free, Albert T. (See Ritchel, Charles F., assignor.)						
Free, Edward E. (See Mosher and Free.)						
Free, William C., Chicago, Ill. Sewing-machine cabinet.....	755,292	Mar. 22	4059	900	109	986
Free, William C., Chicago, Ill. Sewing-machine cabinet.....	759,363	May 10	1618	1326 1327	110	386
Freed, George F., assignor to Duff Manufacturing Company, Allegheny, Pa. Pipe-forcing jack.....	750,950	Feb. 2	337	80	108	1133
Freed, Matthew M. (See Eastmore, Thomas, assignor.)						
Freed, Matthew M. (See Eastmore and Freed.)						
Freedlander, Benjamin, Buffalo, N. Y. Hook and eye.....	778,574	Dec. 27	4186	913	113	2377
Freedman, William H., Burlington, Vt. Automatic brush-adjuster.....	771,868	Oct. 11	1285	1280 1290	112	1248
Freel, James, Ladysmith, Canada. Antiseptic attachment for telephone-mouthpieces.....	762,039	June 7	824	169	110	1616
Freeland, Buckner F., Middlebury, Ind. Wagon-body.....	759,364	May 10	1619	327	110	386
Freeland, George B. (See Crafts, George E., assignor.)						
Freeland, Gus, Denver, Colo. Ratchet-wrench.....	755,569	Mar. 22	4565	1015	109	1044
Freeland, William H., Ducktown, Tenn. Furnace-charger.....	768,596	Aug. 30	5668	1063	111	2329
Freeman, Clarence E., Chicago, Ill. Apparatus for utilizing electrical oscillations for signaling purposes.....	773,069	Oct. 25	3808	812	112	1840
Freeman, Clarence R. (See Breck and Freeman.)						
Freeman, Delos, and H. Karr, Celina, Ohio. Riding attachment for plows.....	773,559	Nov. 1	51	11	113	15
Freeman, Dobbin Fireproofing Company. (See Dobbin, Clarence E., assignor.)						
Freeman, Dobbin Fireproofing Company. (See Nicholson, James H., assignor.)						
Freeman, Ernest B., Middleport, N. Y. Spraying device.....	765,134	July 12	2490	521	111	557
Freeman, George B., Racine, Wis. Crank-plate for bolster-springs.....	760,977	May 24	4771	1015	110	1115
Freeman, George W., Woburn, Mass. Assignor of one-half to F. Hall, Ridgefield, N. J. Hemstitching attachment for sewing-machines.....	777,621	Dec. 13	2280	501	113	1943
Freeman, Henry W., Laurel, Miss. Railway cattle-guard.....	770,361	Sept. 20	2341	493	112	564
Freeman, Horace C., Whitebear, Minn. Road-bed.....	771,365	Oct. 4	294	64	112	1024
Freeman, James D., assignor of one-third to C. C. Weber, Kalamazoo, Mich. Tobacco-pipe.....	768,444	Aug. 23	4732	992	111	2149
Freeman, Joseph W., Cleveland, Ohio. Grave-vault.....	765,866	Mar. 29	5186	1149	109	1201
Freeman, Nathan. (See Reynolds, Stephen G., assignor.)						
Freeman, Reuben, New York, N. Y. Game set.....	768,849	Aug. 30	5581	1172	111	2853
Freeman, William, assignor to Harris Suspender Company, New York, N. Y. Suspenders.....	775,749	Nov. 22	4495	952	113	1067
Freer, Harry H., and C. H. Linabury, Pontiac, Mich. Combined mud and wringer.....	774,468	Nov. 8	1783	385	113	414
Freericks, Arthur H., Cincinnati, Ohio. Hot-water heating apparatus for buildings.....	777,594	Dec. 20	2645	625	113	2078
Freese, Bernhard, Delmenhorst, Germany. Electrical contact means for ships' compasses.....	762,040	June 7	825	169	110	1616
Freese, Frank G., Philadelphia, Pa. Gas-heater.....	756,108	Mar. 29	5652	1247	109	1302
Frei, Emil, Allegheny, Pa. Pump.....	778,027	Dec. 20	3117	685	113	2130
Freilberg, Harry E., Dexter, Iowa. Belt-guide.....	751,625	Feb. 9	1556	354	108	1408
Freid, Calvin T., West Orange, N. J., assignor to Freid Engineering Company. Separator.....	775,004	Nov. 15	2883	616	113	661
Freid Engineering Company. (See Freid, Calvin T., assignor.)						
Fremaux, Louis. (See Crepy and Fremaux.)						
French, Alfonso C., Daingerfield, Tex. Clothes-pin.....	775,561	Nov. 22	4129	868	113	987
French, Frank M., Marshall, Mich. Railway-tie.....	766,338	Oct. 2	399	84	111	1129
French, George F., Manchester, England. Cord guiding and gripping device for Venetian blinds.....	764,047	July 5	266	49	111	61
French, James W. (See Edgar, William K., assignor.)						
French, Jerome H., Boston, Mass. Trunnion for shutters or the like.....	767,558	Aug. 16	2892	605	111	1719
French, John B., St. Louis, Mo. Holdback and shaft-protector.....	765,468	July 19	3163	661	111	720
French, Leroy W., and C. E. Decker, Holton, Kans. Pad-holder.....	753,653	Mar. 1	922	209	106	199
French, Leroy W., and C. E. Decker, Holton, Kans. Pad-holder.....	774,661	Nov. 8	2145	469	113	491
French, Mary L. (See Barker, John F., assignor.)						
French, Ralph E. (See Baker and French.)						
French, Walter L., <i>et al.</i> (See Maxon, Carl W., assignor.)						
French, Warren. (See McNulty, O'Brien, and French.)						
Frenning, John E., Belmont, assignor to S. M. Howes Company, Boston, Mass. Damper.....	753,870	Mar. 8	1311	295	109	303
Frenot, Louis D., Newark, N. J. Safety nut-lock.....	752,057	Feb. 16	2395	535	108	1608
Frenzel, John A., Wausau, Wis. Cutting-machine.....	758,637	May 3	63	13	110	19
Ferking, Henry D., Palmer, Kans. Feed-roller for grain-drills.....	771,137	Sept. 27	3855	813	112	916
Ferrot, Charles, Reims, France, assignor to J. H. Haworth and W. S. Watson, Lowell, Mass. Machine for making paper tubes.....	749,051	Jan. 5	1006	212 213	108	234
Feschl, Alfred, Chicago, Ill. Button-support for tufting-machines.....	753,132	Feb. 23	4486	999	108	2090
Fesh, Henry, assignor to Emergency Car Brake Company, Cumberland, Md. Brake-shoe.....	766,437	Aug. 2	582	123	111	1167
Feshour, Henry C. (See Bulkley, Frank M., assignor.)						
Fetts, George H., Springfield, Mass. Electric railway.....	757,906	Apr. 19	3387	733	109	2101
Fetts, George H., Springfield, Mass. Electrically-operated railway-track switch.....	753,539	Nov. 22	4024	849	113	965
Fetz, Levi, Grimsby, Canada. Wire fence.....	767,559	Aug. 16	2893	605	111	1719
Feund, Frederick S., <i>et al.</i> (See Scott, William H., assignor.)						
Feund, Jacob. (See Turner, Harry G., assignor.)						
Feund, Paul W., <i>et al.</i> (See Baker, Sidney J., assignor.)						
Few, James H. (See Anderson, John S., assignor.)						
Fey, Augustus W., Fall River, Mass. Counter-fixture.....	774,170	Nov. 8	1246	265	113	298
Fey, Frederick, <i>et al.</i> (See Gross, Peter J., assignor.)						
Fey, Frederick W., assignor to T. Shepard and G. Fey, Boston, Mass. Wrench.....	759,260	May 10	1400	280	110	340
Fey, George, <i>et al.</i> (See Fey, Frederick W., assignor.)						
Fey, Henry B., Minneapolis, Minn. Draft mechanism for logging-sleds.....	775,900	Nov. 22	4776	1011 1012	113	1126
Feylsleben, Gustave, San Diego, Cal. Meat-press.....	754,297	Mar. 8	2123	471	109	482
Frick, Charles W. (See Griffen and Frick.)						
Frick, David A., Ottawa, Ohio. Nut-lock.....	770,362	Sept. 20	2343	493	112	564
Frick, Robert S. (See Batson, William G., assignor.)						
Fricke, Charles, San Francisco, Cal. Jar-closure.....	770,060	Sept. 13	1742	368	112	410
Fricke, William F., Mount Sterling, Ill. Steam-condenser.....	749,549	Jan. 12	2065	429	108	484
Friedberg, William, New York, N. Y. Alarm device.....	755,125	Mar. 22	3755	825	109	872

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Friede, Samuel M., Chicago, Ill. Device for pressing trousers	763,041	June 7	826	189	110	1616
Friedland, Max, Kansas City, Mo. Rocking-chair with air apparatus	757,447	Apr. 19	2469	540	109	1900
Friedlander, Jake, Grand Forks, N. D. Means for heating and ventilating buildings	761,953	June 7	674	136	110	1587
Friedlander, Robert, Chicago, Ill. Shade for X-ray tubes	765,469	July 19	3164	661	111	720
Friedlander, Robert, Chicago, Ill. Electric therapeutic apparatus	765,470	July 19	3165	661	111	720
Friedlander, Robert, Chicago, Ill. X-ray tube	777,503	Dec. 13	3032	448	113	1892
Friedman, Aron, Chicago, Ill. Combined match-safe and cigar-cutter	771,977	Oct. 11	1538	943	112	1399
Friedman Automobile Company. (See Robinson, Walter W., assignor.)						
Friedman, Goste, Jamestown, N. Y. Attachment for umbrellas or parasols	765,310	July 19	2819	587	111	647
Friedman, Samuel, New York, N. Y. Signal system	765,311	July 19	2821	587	111	647
Friedman, Signund, Paterson, N. J. Machinist's combination-tool	764,397	July 12	3144	443	111	487
Friedmann, Alfred, Shreveport, La. Bottle	753,564	Mar. 1	665	150	109	147
Friedmann, Max, and R. Knoller, Vienna, Austria-Hungary. Vapor-burner	773,383	Oct. 25	4528	958	112	2004
Friedrich, Alfred V. (See Smith, Andrew, assignor.)						
Friedt, David M., Seville, Ohio. Currycomb	749,052	Jan. 5	1016	214	108	235
Friel, John F. (See Stockman and Friel.)						
Friend, George J., Kingsley, Oreg. Bolster attachment	748,600	Jan. 5	82	22	108	20
Friend, George J. and E. L. Bolton, Kingsley, Oreg. Harvester-reel	738,241	Apr. 26	4045	878	109	2293
Friend, Roger B., Oakland, Cal. Toilet-paper holder	760,113	May 17	3065	641	110	734
Friend, Roger B., Oakland, assignor to Interlock Paper Company, San Francisco, Cal. Machine for handling material	756,951	Apr. 12	1466	324	109	1671
Friend, Roger B., Oakland, assignor to Interlock Paper Company, San Francisco, Cal. Machine for folding material	758,962	May 3	761	152	110	176
Fries, John W., Winston-Salem, N. C. Apparatus for oxidizing and drying textile material	757,104	Apr. 12	1780	390	109	1737
Fries, John W., Winston-Salem, N. C. Steaming and drying machine for textile fabrics	759,980	May 17	2812	588	110	668
Fries, John W., Winston-Salem, N. C. Apparatus for humidifying and cleansing air	772,655	Oct. 18	2898	637	112	1623
Fries, John W., Winston-Salem, N. C. Machine for dyeing &c.	778,296	Dec. 27	3504	771	113	2232
Friesdorf, Eduard, Düren, Germany. Apparatus for separating oil and grease from water	757,448	Apr. 19	2471	540	109	1900
Friesse, Frank J., and J. E. Gilbert, assignors of two-thirds to E. A. More, St. Louis, Mo. Mold for making brass castings	772,712	Oct. 18	3030	443	112	1651
Friedstedt, Luther P., Chicago, Ill. Reel-spilling	756,618	Apr. 5	811	176	110	1514
Friedstedt, Luther P., Chicago, Ill. Raising subterranean rivers	758,042	June 7	828	170	110	1616
Friez, Julien P., Baltimore, Md. Rain-page	756,109	Mar. 29	5653	1248	109	1302
Friez, Julien P., Baltimore, Md. Automatic water-stage recorder	776,315	Nov. 29	5587	1184	113	1328
Frik, Otto. (See Hodgkinson and Frik.)						
Frike, Thomas E., Coatsburg, Ill. Water-power motor or engine	759,604	May 10	2072	424	110	486
Frink, Arthur H. and C. H. Lister, St. Paul, Minn. Ruler	759,261	May 10	1402	280	110	340
Frink, Melvin L., St. Louis, Mo., assignor to J. D. Nifong, East St. Louis, Ill. Advertising or picture-exhibiting apparatus	760,684	Aug. 2	1128	234	111	1292
Frisbee, Daniel D., Detroit, Mich. Apparatus for oiling fellies	778,834	Dec. 27	4656	1018	113	2484
Frisbie, Hamlin F., Cincinnati, Ohio. Direct-acting pump	760,237	Aug. 2	187	36	111	1082
Frisch, Johannes, assignor to Felten & Guilleaume Carlsberg Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Electric cable	759,981	May 17	2814	589	110	669
Friskey, Arthur W. (See Lorenz, August H., assignor.)						
Friskey, Arthur W., Chicago, Ill. Binder-frame	760,328	May 17	1875	721	110	815
Friswell, Frank H., assignor to Russell Manufacturing Co., Middletown, Conn. Card-bridge-belt	764,804	July 12	3457	982	111	422
Fritch, Edmund D., Chicago, Ill. Ticket-case	762,162	June 7	1043	219	110	1665
Fritchey, Frank. (See Boring and Fritchey.)						
Fritchle, Oliver P., Denver, Colo. Connector for electrochemical apparatus	768,175	Aug. 23	4179	878	111	2022
Fritsch, Frank M. (See Fritsch, Lewis A. and F. M.)						
Fritsch, Lewis A., Cincinnati, and F. M. Fritsch, Circleville, Ohio. Clasp for hose-supporters	776,229	Nov. 29	5457	1155	113	1900
Fritsch, Hermann, Berlin, Germany. Fish-transport wagon	771,469	Oct. 4	487	110	112	1062
Fritzsche, Max, Carlstadt, N. J., assignor to R. Mayer & Co., New York, N. Y. Bronzing-machine	756,786	Apr. 5	1139	251	109	1588
Fritz, Andy, Portland, Oreg. Driving-belt	768,356	Apr. 26	4293	922	109	2318
Fritz, Friedrich, Trieste, Austria-Hungary. Tooth-brush with washing device	757,907	Apr. 19	3839	734	109	2101
Fritz, Johannes C. G., New York, N. Y. Window-cleaner	756,229	Apr. 5	74	16	109	1358
Fritz, Louis, and W. W. Dryden, assignors of one-third to G. Schmidt, Philadelphia, Pa. Combined moistening and sealing device for envelopes or the like	764,988	Mar. 22	3628	772	109	821
Fritz, William G., Cleveland, Ohio. Rotary engine	760,441	May 24	3684	779	109	879
Fritze, Henry L., Jersey City, N. J. Third-rail insulator	762,297	June 14	1326	283	110	1748
Fritzsche, Hugo, Leipzig, Germany. Roll-film for photographic purposes	762,816	June 14	2294	521	110	1975
Fritzsche, Hugo, Leipzig, Germany. Roll-film	767,880	Aug. 16	3505	741	111	1832
Fritzsche, Hugo, Leipzig, Germany. Film-spool for photographic cameras	774,061	Nov. 1	1050	225	113	237
Fritz, Clyde N., Baltimore, Md. Fly	765,703	July 26	361	78	111	830
Frizell, Henry, Grassrange, Mont. Shepherd's crook	752,058	Feb. 16	2295	535	108	1608
Frizzell, Marquis L. (See Lord, Joseph, assignor.)						
Frizzell, Robert H., Star Lineworks, Ky. Switch and foot guard	763,974	July 5	92	14	111	29
Frogratt, Wesley E. L., Crossplains, Wis. Strap-loop for neck-yokes	776,557	Dec. 6	238	53	113	1482
Frohlich, Edward, et al. (See Gould, Walter E., assignor.)						
Frohnor, John F. (See McMahon, Joseph F., assignor.)						
Frohofer, George. (See Curtiss, Edgar W., assignor.)						
Frost, Arthur B., Cleveland, Ohio, H. L. Frost and A. Robertson, Welland, Canada. Barbed wire for fences	777,622	Dec. 13	2282	501	113	1944
Frost, Charles W., Waterville, Me., assignor to Draper Company, Hopedale, Mass. Self-threading loom-shuttle	768,218	Aug. 23	4264	896	111	2040
Frost Concrete Stone Company. (See Frost, Robert T., assignor.)						
Frost, George, Jr., Paterson, N. J. Machine for making banding	759,089	May 3	991	201	110	225
Frost, George W., Columbus, Ohio. Storage-battery grid	757,396	Apr. 12	2370	516	109	1862
Frost, Harry L. (See Frost and Robertson.)						
Frost, Harry W., Detroit, Mich., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway-car bolster. (Reissue.)	12,291	Nov. 29	5922	1249	113	1406
Frost, Harvey N. (See Key, William C., assignor.)						
Frost, Horace B. (See Nolan, Martin S., assignor.)						
Frost, Horace L., Bristol, Tenn. Water-elevating apparatus	751,626	Feb. 9	1558	254	108	1408
Frost, Leonard L., Highland, Kans. Tally device	757,908	Apr. 19	3890	734	109	2101

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Frost, Lorenzo S., Cambridge, Mass. Water-heating attachment	773,864	Nov. 1	657	139	113	152
Frost, Robert T., Dows, Iowa. Building-block	757,033	Apr. 12	1657	598	109	1711
Frost, Robert T., assignor to Frost Concrete Stone Company, Dows, Iowa. Machine for forming concrete building-blocks	772,563	Oct. 18	2759	359	112	1586
Frost, Samuel, East Liverpool, Ohio. Dish	771,138	Sept. 27	3856	813 814	112	917
Frost, Samuel H., Franklin, Mass. Thill-tug	750,841	Feb. 2	122	28	108	1084
Frost Wire Fence Co. (See Shaw, Sterl G., assignor.)						
Frost Wire Fence Company, (See Hanson, Charles H., assignor.)						
Frothingham, Daniel D., Salem, Mass. Punching-machine	766,030	July 26	4262	911 912	111	967
Frothingham, Samuel T. (See Wood, Edward C. and C. B., assignors.)						
Frotscher, Oscar, Philadelphia, Pa. Window	749,608	Jan. 12	2154	451	108	504
Frotscher, Oscar, Philadelphia, Pa. Window	762,896	June 21	2556	555 556	110	2031
Froussard, Albert, St. Louis, Mo. Safety appliance for elevators	762,398	June 14	1506	329	110	1785
Frova & Co., Umberto. (See Sella, Carlo, assignor.)						
Fruehauf, William F., New York, N. Y. Thermometer	769,474	Sept. 6	668	144	112	152
Frugoli, John P. and J., and H. Fornaci, Philadelphia, Pa. Hat-die	766,879	Aug. 9	1561	327 328	111	1406
Frugoli, Joseph. (See Frugoli and Fornaci.)						
Frühling, Otto, Brunswick, Germany. Dredging apparatus	776,049	Nov. 29	5096	1076 1077	113	1218
Frühling, Otto, Brunswick, Germany. Dredging device	776,050	Nov. 29	5099	1078 1079	113	1218
Frühling, Otto, Brunswick, Germany. Adjustable dredger-head for suction-dredges	776,051	Nov. 29	5102	1079	113	1218
Fry, Absalom F. (See Graves and Fry.)						
Fry, Albert Y., Gallatin, Tenn. Gate	765,072	July 12	2391	498	111	535
Fry, David M., assignor of one-half to E. B. Zimmerman, Ulysses, Neb. Wire-stretcher	750,273	Jan. 26	3445	743	108	816
Fry, David M., assignor of one-half to E. B. Zimmerman, Ulysses, Neb. Three-wheeled riding-lister	760,442	May 24	3685	780	110	879
Fry, Ernest T., Mount Jackson, Va. Window-shade adjuster	777,671	Dec. 20	2377	522	113	1980
Fry, George, Berwick-upon-Tweed, England. Production of resinous substances	754,298	Mar. 8	2124		109	482
Fry, George A. (See Rogers and Fry.)						
Fry, Henry B. (See Tilsen, Stephen, assignor.)						
Fryar, Byron S., Sumner, Wash. Refrigerator-box	766,994	Aug. 9	1777	873	111	1455
Frydman, Jules, Paris, France. Apparatus for registering monetary transactions	764,449	July 5	1106	224 225	111	245
Frydman, Jules, and L. Chambon, Paris, France. Composing-disk for cash-registers or adding-machines	765,573	July 19	3343	702 703	111	758
Frye, Charles O., Joliet, Mo. Blasting	770,459	Sept. 20	2504	708	112	509
Frye, James, Toronto, Canada. Broiler	757,864	Apr. 19	3303	715	109	2082
Frye, James, Toronto, Canada. Window	757,865	Apr. 19	3303	716	109	2082
Fryer, George G., Syracuse, N. Y. Tile	749,786	Jan. 19	2531	538	108	601
Fryer, William J., New York, N. Y. Street-lamp	754,989	Mar. 22	3529	772	109	822
Frykman, Oscar M., St. Paul, Minn. Telephone apparatus	778,409	Dec. 27	3876	845	113	2312
Fuchs, Paul, Berlin, assignor to Treude and Metz, Laasphe, Westphalia, Germany. Mechanism for walking dolls or other toy figures going on rolls	754,861	Mar. 15	3297	718	109	755
Fuchs, Rudolf, Meiningen, Germany. Portable folding seat	774,873	Nov. 15	2629	565	113	621
Fudge, Charles B., assignor of one-half to J. M. Fudge, Muncie, Ind. Nut-lock	771,139	Sept. 27	3857	814	112	917
Fudge, John M. (See Fudge, Charles B., assignor.)						
Fuel Economist Company of America. (See Burpee, George H., assignor.)						
Fuel Oil Power Company. (See Ostergren, Oscar P., assignor.)						
Fuel Oil Power Company. (See Ostergren, Oscar P., assignor.) (Reissue.)						
Fueller, Charles. (See Hosler and Fueller.)						
Fueller, Charles M., et al. (See Guionneau, Abel, assignor.)						
Fugazzi, John F., Cincinnati, Ohio. Vegetable-washer	758,056	Apr. 26	3620	801	109	2187
Fugazzi, John F., Cincinnati, Ohio. Temperature shipping-car	765,772	July 26	3766	802	111	859
Fuhrberg, Andrew. (See Baermann, Robert, assignor.)						
Fukala, Vincenz, Vienna, Austria-Hungary. Artificial eye	762,298	June 14	1826	283	110	1748
Fulford, Elijah D., Utica, N. Y., assignor of one-half to J. H. Webster and P. North, Cleveland, Ohio. Single-trigger mechanism for firearms	749,687	Jan. 12	2309	487	108	535
Fulford, Elijah D., Utica, N. Y., assignor of one-half to J. H. Webster and P. North, Cleveland, Ohio. Single trigger for firearms	751,979	Feb. 9	2266	507 508	108	1561
Fulghum, Elisha J., Traverse City, Mich. Making floor-boards	753,791	Mar. 1	1145	259	109	246
Fulghum, Elisha J., assignor of one-half to Traverse City Iron Works, Traverse City, Mich. Machine for trimming and matching the ends of flooring	749,550	Jan. 12	2067	429	108	484
Fulghum, Jesse P., Richmond, Ind. Corner-fastening for metallic bedsteads	773,283	Oct. 25	4329	914	112	1962
Fulghum, Thomas E., assignor of one-half to A. A. Miller, Grand Junction, Colo. Purifying water	776,508	Dec. 6	65	15	113	1439
Fulkerson, George W., Hagerstown, Ind. Gas or gasoline engine	753,483	Mar. 1	485	113 114	109	106
Fullagar, Hugh P., Newcastle-upon-Tyne, England. Cooling means for gas-turbines	777,281	Dec. 13	1543	343	113	1784
Fullagar, Hugh P., Newcastle-upon-Tyne, England. Apparatus for governing engines	778,125	Dec. 20	3906	726	113	2170
Fullard, William, Philadelphia, Pa., assignor to Power Steel Plate Press Company. Printing-press	763,552	June 28	3838	831	110	2334
Fullenlove, Horatio S. (See Fullenlove, McClelland, assignor.)						
Fullenlove, McClelland, assignor of one-half to H. S. Fullenlove, Louisville, Ky. Spirit-level	773,284	Oct. 25	4331	915	112	1962
Fuller, Albert F., Newark, N. J., assignor to J. E. Mergott Company. Match or other box	750,447	Jan. 26	3761	818	108	887
Fuller, Arthur E., Danvers, Mass. Lawn-edge trimmer	758,310	Apr. 26	4208	905	109	2301
Fuller, Charles E., Maple City, Kans. Ax	776,734	Dec. 6	549	120	113	1548
Fuller, Charles T., Olean, N. Y. Gas-burner	753,871	Mar. 8	1312	295	109	803
Fuller, Charles T., Olean, N. Y. Extensible burner attachment and shade-support	759,689	May 10	2221	450	110	521
Fuller, Charles W. (See Kimball, Earle F., assignor.)						
Fuller, Edgar L., Everett, Mass. Bed	777,284	Dec. 13	1602	355	113	1797
Fuller, Frank L., and C. S. Banghart, New York, N. Y. Railway-signal	778,356	Dec. 27	3759	819	113	2285
Fuller, Frederick P., New York, and J. J. Walsh, Yonkers, N. Y. Ground connection for electric conductors	758,057	Apr. 26	3626	802	109	2187
Fuller, Gains C., Orosco, Mich. Folding bed	762,699	June 14	1952	469	110	1925
Fuller, George. (See Nind and Strasburger, assignors.)						
Fuller, George, Washington, D. C. Oil-burning branding implement	754,862	Mar. 15	3297	718	109	755
Fuller, Horace W. (See Hubbell, Harry C., assignor.)						
Fuller, James T., Calvert, Tex., assignor to J. F. Workum, Englewood, N. J. Cotton-press	765,664	July 26	3541	748	111	815

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Fuller, James W., Jr., Catasauqua, Pa. Chill	749,928	Jan. 19	2806	599	108	662
Furber, Jesse W., Weyland, N. Y. Valve	779,901	Dec. 6	880	190	113	1621
Fuller, John J., Westfield, Mass. Signal device	763,603	June 28	3922	853	110	2352
Fuller, Julius V., Jersey City, N. J. Toy carousel	773,860	Nov. 1	52	11	113	16
Fuller, Lynn C. (See Young and Fuller.)						
Fuller, Percy W., Dorchester, Mass. Hydraulic press	760,978	Nov. 24	4772	1015	110	1115
Fuller, Samuel D., assignor to Acme Supply Co., Chicago, Ill. Vestibule-diaphragm for cars	777,985	Dec. 13	1605	956	113	1797
Fuller, Solomon, Danvers, Mass. Wheel-weeder	766,031	July 26	4265	912	111	967
Fuller, Solomon, Danvers, Mass. Wheel hoe or weed-r	773,070	Oct. 25	3810	812	112	1842
Fuller, Thomas P., South Glens Falls, N. Y. Combined dust-pan and broom-holder	760,391	May 17	3583	756	110	839
Fuller, Vivian B., Indianapolis, Ind. Automatic winding door-bell	755,563	Mar. 22	4563	1015	109	1044
Fulmer, William H., Abbeville, La. Checkrein	749,929	Jan. 19	2807	599	108	662
Fullman, James M. G., Pittsburg, Pa. Apparatus for copying drawings	771,774	Oct. 4	1085	243	112	1191
Fullman, James M. G., Pittsburg, Pa. Apparatus for copying drawings, &c	771,775	Oct. 4	1087	243	112	1191
Fulmer, Smith. (See Johnson, William S., assignor.)	771,776	Oct. 4	1088	244	112	1191
Fulton, Creed M., et al. (See Morris, John O., assignor.)						
Fulton, Fred B., Anacortes, assignor of one-half to Letson & Burpee, Fairhaven, Wash., and Vancouver, Canada. Can-filling machine	750,760	Jan. 26	4395	948	108	1024
Fulton, Jacob I., Taylorville, assignor of one-half to A. E. Fleming, El Paso, Ill. Grain-elevator	771,470	Oct. 4	488	110	112	1062
Fulton, James W., Pomona, Cal. Frost-preventer	762,476	June 14	1696	365	110	1826
Fulton, Louis B., assignor to Chaplin-Fulton Manufacturing Company, Pittsburg, Pa. Feed-water regulator	770,634	Sept. 20	2851	606	112	676
Fulton, Louis B., assignor to Chaplin-Fulton Manufacturing Company, Pittsburg, Pa. Feed-water regulator	770,635	Sept. 20	2853	606	112	677
Fulton, Otto, Chiswick, and W. M. Gillard, Twickenham, England. Photograph on linen and making same	773,384	Oct. 25	4331	958	112	2005
Fulton, Samuel M., Pomona, Cal. Pump-head	771,005	Sept. 27	3582	755	112	858
Fulton, Samuel M., Pomona, Cal. Pump	772,880	Oct. 18	8344	728	112	1719
Fulton, Thomas E. (See Carson, William L., assignor.)						
Fulton, Weston M., Knoxville, Tenn. Storage tank or receptacle	754,132	Mar. 8	1815	404	109	417
Fulton, Weston M., Knoxville, Tenn. Thermosensitive device	760,443	May 24	3688	790	110	880
Fulton, Weston M., Knoxville, Tenn. Receptacle for liquids	762,299	June 14	1327	284	110	1748
Fulton, Weston M., Knoxville, Tenn. Oil-can	762,300	June 14	1329	284	110	1749
Fulton, Weston M., Knoxville, Tenn. Motor	764,572	July 12	1387	283	111	318
Fulton, Weston M., Knoxville, Tenn. Thermosensitive device	766,820	Aug. 9	1434	300	111	1379
Fulton, Weston M., Knoxville, Tenn. Air-brake	767,476	Aug. 16	2718	871	111	1679
Fulton, Weston M., Knoxville, Tenn. Tension device for scales, pressure-gages, &c	772,034	Oct. 11	1648	370	112	1327
Fulton, Weston M., Knoxville, Tenn. Thermal motor	772,035	Oct. 11	1652	370	112	1327
Fulton, Weston M., Knoxville, Tenn. Winding mechanism for clocks	778,237	Dec. 27	3506	771	113	2233
Fulton, William H., Albany, N. Y. Cuff-holder	768,742	Aug. 30	5361	1129	111	2304
Fulton, William T., assignor of one-half to G. W. Wilson, Winslow, Ark. Mail-bag catching and delivering device	759,992	May 17	2816	589	110	669
Fulfs, Nelson H., Ada, Ohio. Automatic rope-clamper	769,475	Sept. 6	669	144	112	152
Funck, Jacob F., assignor of one-half to P. Funck, Rochester, N. Y. Vulcanizer	751,493	Feb. 9	1307	299	108	1355
Funck, Philipp. (See Funck, Jacob F., assignor.)						
Funk, Charles M., Sedalia, Mo. Stringed musical instrument	766,339	Aug. 2	401	85	111	1129
Funk, Emma W., Duluth, Minn. Dock-railway construction	768,743	Aug. 30	5361	1129	111	2304
Funk, George H. (See Stickler, Oliver E., assignor.)						
Funk, Henry, Pana, Ill. Grain-drill	748,717	Jan. 5	306	69	108	68
Funk, Richard W., New York, N. Y., assignor to Hudson Machine and Pneumatic Tool Co., Jersey City, N. J. Motor	751,980	Feb. 9	2269	508	108	1562
Funk, Richard W., New York, N. Y., assignor to Hudson Machine and Pneumatic Tool Co., Jersey City, N. J. Pneumatic tool	760,329	May 17	3476	732	110	816
Funk, Richard W., New York, N. Y., assignor to Hudson Machine and Pneumatic Tool Co., Jersey City, N. J. Pneumatic tool	778,310	Dec. 27	3664	800	113	2266
Funk, William J., Enterprise, Oreg. Goods-display cabinet	752,541	Feb. 16	3310	737	108	1813
Funke, Herman A., Elizabethtown, N. Mex. Ter. Dredge attachment	759,690	May 10	2232	460	110	521
Funke, Robert C., Philadelphia, Pa. Hammock	773,317	Oct. 25	4386	927	112	1973
Funkhouser, Orin, New Brighton, Pa. Trolley	766,177	Aug. 2	41	8	111	1050
Funkner, Henry, Jansen, Nebr. Corn-cultivator	778,652	Dec. 27	4346	949	113	2414
Fuqua, William H., Roswell, N. Mex. Ter. Gate	773,385	Oct. 25	4334	950	112	2006
Furber, William H., Roswell, N. Mex. Ter. Pole-holder	773,386	Oct. 25	4335	959	112	2006
Furbay, George E. (See Wortman, George B., assignor.)						
Furburshaw, George C., Washington, D. C. Banjo	754,059	Mar. 8	1675	372	109	385
Furbish, Zachry T., assignor to North Brothers Manufacturing Company, Philadelphia, Pa. Reversible screw-driver	750,182	Jan. 19	3271	705	108	758
Furbish, Zachry T., assignor to North Brothers Manufacturing Company, Philadelphia, Pa. Ratchet-tool	750,183	Jan. 19	3272	705	108	759
Furgason, James, Montour Falls, N. Y. Trolley-pole	760,330	May 17	3479	732	110	816
Furgason, Richard F. (See Maurice, John, assignor.)						
Furlow, Floyd C., Philadelphia, Pa. Lubricating stuffing-box	760,686	May 24	4148	899	110	990
Furman, Charles M., Jr., Philadelphia, Pa. Calculating-machine	770,061	Sept. 13	1743	369	112	410
Furman, Samuel A., Potter, N. Y. Grain-separator	763,875	June 28	4464	972	110	2467
Furminger, Henry S., Milledgeville, assignor of one-half to W. H. Miller, Springfield, Mass. Magnetic shuttle-motion for loom	773,010	Oct. 25	3609	781	112	1795
Furniss, Thomas A., Canonsburg, Pa. Trolley-wire clamp and feed-wire support	776,735	Dec. 6	530	120	113	1548
Furr, Henry B., Dayton, Ill. Rolling-disk cultivator	769,822	Sept. 13	1310	280	112	315
Furru, Ole O., assignor of one-half to E. Cronstedt, St. Paul, Minn. Transmission-gear	764,573	July 12	1390	283	111	320
Furst, Frank, New York, N. Y. Fruit-press	735,126	Mar. 22	3736	825	109	873
Furst, Peter, Anderson, Ind. Vehicle-longue	769,604	Sept. 6	890	192	112	202
Furst, Peter, Anderson, Ind. Neck-yoke ring	776,130	Nov. 29	5252	1109	113	1233
Furst, Richard C., Burlington, N. J. Hammock	751,907	Feb. 9	2098	474	108	1526
Fusner, Jesse L., assignor to P. Wall, Allegheny, Pa. Can-spout	762,817	June 14	2396	522	110	1976
Fussenecker, Ernst. (See Julius and Fussenecker.)						
Fuston, Sumner, Murfreesboro, Tenn. Brooder	752,542	Feb. 16	3313	737	108	1814

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Fusz, Paul A., <i>et al.</i> (See Klein, John, assignor.)						
Fusz, Paul A. (See Klein and McClure, assignors.)						
Fyfe, John C., and V. Odquist, Chicago, Ill. Releasing device for the plate-holders of magazine-cameras	749,284	Jan. 12	1506	321	108	362
Fynn, Valère A., Bradford, England. Alternate-current motor	777,198	Dec. 13	1446	330	113	1763
Fyrberg, Andrew, Worcester, Mass. Firearm	754,210	Mar. 8	1961	436	109	448
G. A. Gray Company. (See Gray, George A., assignor.)						
G. A. Kelly Flow Company. (See Kelly, George A., assignor.)						
Ga Nung, Howard D., Cleveland, Ohio. Hoisting and conveying apparatus	776,230	Nov. 29	5458	1155	113	1301
Gable, James C., Lancaster, Pa. Tobacco-smoking pipe	777,948	Dec. 20	2962	651	113	2099
Gable, Martin N., Flint, Mich. Hat-holder	750,634	Jan. 26	4114	891	108	959
Gabler, Paul, Leipzig-Gohlis, Germany. Phonograph	758,521	Apr. 26	4612	993	109	2391
Gabriel, Antony, Cincinnati, Ohio, and J. Stubbers, Covington, Ky. assignors to Incandescent Light and Stove Company, Cincinnati, Ohio. Mantle-holder for gas-burners	777,199	Dec. 13	1448	320	113	1763
Gabriel, Charles, Chicago, Ill. Flue-cutter	769,158	Sept. 6	39	10	112	11
Gabrielsky, Richard, Jersey City, N. J. Machine for applying tips to cigarettes	771,870	Oct. 11	1298	292	112	1251
Gabrielsky, Richard, assignor of one-half to J. Werner, Jersey City, N. J. Machine for applying tips to cigarettes	771,869	Oct. 11	1290	290	112	1249
Gabrielson, Arnold, assignor of one-fourth to O. H. Lee, Milwaukee, Wis. Electric battery	778,653	Dec. 27	4348	950	113	2415
Gabrielson, Carl, Worcester, Mass., assignor to L. C. Smith and Bros. Typewriter Company, Syracuse, N. Y. Type-writing machine	750,374	Jan. 26	3446	744	108	817
Gabrielson, Carl, Worcester, Mass., assignor to L. C. Smith and Bros. Typewriter Company, Syracuse, N. Y. Type-writing machine	753,972	Mar. 8	1518	338	109	350
Gabrielson, Carl, Greenville, N. J., assignor to J. Felbel, New York, N. Y. Type-writing machine	754,922	Mar. 15	3393	741	109	775
Gadd, Ceceratus C., Uniontown, Pa. Gas-conduit construction	762,700	June 14	2159	469	110	1925
Gadd, William, Manchester, England. Valve-gear	777,672	Dec. 20	2379	522	113	1980
Gadfield, Charles E., Wellington, Ohio. Boring-machine	757,734	Apr. 19	3063	666	109	2027
Gaebler, Charles, Poughkeepsie, N. Y. Hot-water boiler	760,734	May 24	4207	913	110	1013
Gaetke, Herman J., Philadelphia, Pa. Animal-trap	768,396	Aug. 30	5735	1309	111	2394
Gaertner, Franz W., St. Petersburg, Russia. Manufacture of peat blocks	768,445	Aug. 23	4733		111	2150
Gaffner, Charles H., <i>et al.</i> (See Bartlett, Frank, assignor.)						
Gaffner, Charles H. (See Parker, George L., assignor.)						
Gage, Benjamin E., Chicago, Ill. Making prints from natural objects	764,938	July 12	2145	444	111	487
Gage, Daniel W., Cambridge, Mass. Safety-razor	765,885	Dec. 26	3982	849	111	907
Gage, Edwin L., and E. D. McEliss, assignors to A. Kratt, Toledo, Ohio. Music-leaf turner	777,900	Dec. 13	1449	321	113	1763
Gage, Frank E., Dayton, Ohio, assignor to Veneer Barrel Machine Co., Chicago, Ill. Barrel	754,923	Mar. 15	3396	742	109	776
Gage, John O., New York, N. Y. Canopy-support	752,543	Feb. 16	3315	738	108	1814
Gage, John W., Chicago, Ill., assignor of one-half to J. P. Wiens, Milwaukee, Wis. Grating implement	751,159	Feb. 2	687	158	108	1206
Gage, Will V., Omaha, Nebr. Wrench	776,459	Nov. 29	5879	1242	113	1396
Gager, John S., assignor to Leader Manufacturing Company, Hartford, Conn. Garment-hanger	768,446	Aug. 23	4734	992	111	2150
Gagnon, Thomas, <i>et al.</i> (See Bernier, Arthur, assignor.)						
Gaiffe, Georges E., Paris, France. Controller for electrical transformers	765,236	July 19	2672	556	111	615
Gaines, Ambrose P., Bessemer, Ala. Hot-blast apparatus for metallurgical furnaces	759,171	May 3	1151	234	110	262
Gaines, Ambrose P., Bessemer, and E. R. Cox, Jr., Birmingham, Ala. Plant for feeding metallurgical furnaces	760,189	May 17	3223	676	110	759
Gaines, Ralph, Metcalf, Ill. Baby-jumper	775,183	Nov. 15	3150	677	113	742
Gaines, Thomas E. (See Cloyd, Oliver H., assignor.)						
Gair, Robert, New York, N. Y.corrugated self-opening bellows-fold cover	758,908	May 3	660	132	110	155
Gaisman, Henry J., <i>et al.</i> (See Hartung, Warner, assignor.)						
Gaisman, Henry J., New York, N. Y. Elastic fabric	758,485	Apr. 26	4450	957	109	2354
Gaisman, Henry J., New York, N. Y. Safety-razor	759,262	May 10	1403	281	110	340
Gaisman, Henry J., New York, N. Y. Cast-off for suspenders	759,605	May 10	2074	424	110	486
Gaisman, Henry J., New York, N. Y. Safety-razor	764,574	July 19	1391	284	111	320
Gaisman, Henry, New York, N. Y. Clasp or fastener	765,665	July 26	3546	749	111	816
Gaiser, Alice R. (See Gaiser, Louis E., assignor.)						
Gaiser, Louis E., assignor to A. R. Gaiser, Louisville, Ky. Grinding-mill	777,410	Dec. 13	1851	409	113	1853
Galbraith, Elizabeth S. (See Fraley, George B., assignor.)						
Galbreath, James I., <i>et al.</i> (See Moreland, Henry J., assignor.)						
Galbreath, Thomas M., Memphis, Tenn. Railway	749,609	Jan. 12	2157	451	108	505
Gale, Charles E., Utica, assignor of one-half to M. G. Whitney, Watertown, N. Y. Window	765,828	July 26	3880	826	111	884
Gale, Ernest L., Sr., Yonkers, N. Y. Electric switch	771,239	Oct. 4	33	7	112	968
Gale, Frederick L., Lancefield, Victoria, assignor of one-third to T. A. Parks, Romsey, Australia. Toy gun	757,292	Apr. 12	2145	469	109	1816
Gale, Frederick A., Chicago, Ill. Water-heating apparatus	758,909	May 3	661	131	110	156
Gale, James R. C., Sutton, England. Free reed	756,362	Apr. 12	1468	324	109	1671
Gale, William L., Louisville, Ky. Smoke-conveyer	757,546	Apr. 19	2583	587	109	1946
Galentin, Frank M., Columbus, Ohio. Lock	759,185	May 10	1748	333	110	415
Galer, Oliver P., McKees Rocks, Pa. Folding metallic crate	771,140	Sept. 27	3859	814	112	917
Gales, Nicholas W., Waterloo, Iowa. Liner for centrifugal liquid-separators	770,748	Sept. 27	3801	650	112	740
Gales, Nicholas W., Waterloo, Iowa. Centrifugal cream-separator	770,848	Sept. 27	3282	691	112	789
Galetti, Joseph T., assignor of part to C. Piva and E. Pergoli, New York, N. Y. Combined cigar-cutter and metal lighter	749,964	Jan. 19	2864	612	108	673
Galibert, Louis, <i>et al.</i> (See Fliteau, Victor, assignor.)						
Gallager, Henry, Savannah, Ga., assignor to National Malleable Castings Company, Cleveland, Ohio. Coupling	775,167	Nov. 15	3320	689	113	758
Gallagher, Constine. (See Baker and Gallagher.)						
Gallagher, Frank. (See Keller and Gallagher.)						
Gallagher, George S., New York, N. Y. Apparatus for applying disinfectants to water-closets	749,963	Jan. 19	2863	611	108	673
Gallagher, George S., assignor to himself, R. L. Joseph, and F. E. Burrows, New York, N. Y. System for operating stock-boards	752,059	Feb. 16	2397	595	108	1608

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Gallagher, George S., assignor to himself, R. L. Joseph, and F. E. Burrows, New York, N. Y. Electric printing-machine	753,872	Mar. 8	1313	290	109	308.
Gallagher, George S., assignor to himself, R. L. Joseph, and F. E. Burrows, New York, N. Y. Electric printing-machine	765,773	July 26	3770	802	111	859
Gallagher, James R. Buena Vista, N. J. Locking device for hat-fasteners	767,108	Aug. 9	2014	419	111	1509
Gallagher, John P., Erie, Pa. Carpet-stretcher	769,736	Sept. 13	1141	246	112	276
Gallagher, Joseph D., Glenridge, N. J. Brake-shoe	754,440	Mar. 15	2479	539	109	576
Gallagher, Patrick, Allegheny, Pa. Bracket for shade and curtain fixtures	758,357	Apr. 26	4235	922	109	2318
Gallagher, Richard D., Jr., New York, N. Y. Collapsible globe	773,364	Nov. 22	3687	782	113	850
Gallagher, Richard D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft-rigging	752,337	Feb. 16	2928	653	108	1729
Gallagher, Richard D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft and buffing rigging for railway-cars	761,158	May 31	5164	1096	110	1218
Gallagher, Richard D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft and buffing rigging	773,387	Oct. 25	4537	960	112	2007
Gallagher, Richard D., Jr., assignor to Standard Coupler Company, New York, N. Y. Draft and buffing rigging	776,390	Nov. 29	5743	1215	113	1365
Gallagher, Richard D., Sr., assignor of three-fourths to W. H. Harrison, II N. Jewett, and E. T. Shaw, Omaha, Neb. Handle and socket	760,331	May 17	3480	723	110	817
Gallagher, Thomas J., Batavia, N. Y. Portable support for embalming apparatus	773,564	Oct. 18	2730	600	112	1586
Gallagher, Thomas M., Old Orchard, Mo. Side frame for trucks	762,043	June 7	829	170	110	1617
Gallant, Frank. (See Stawartz, John, assignor.)						
Galleciez, Joseph L., Deferiet, N. Y. Guard-board	767,933	Aug. 16	3603	762	111	1873
Gallert, Theodore, New York, N. Y. Waist-belt	764,999	July 12	2245	464	111	506
Gallinger, Samuel, et al. (See McCormick, Patrick F., assignor.)						
Galloway, Edwin F., Jr., Newark, N. J., assignor to Empire Engine and Motor Company, Orangeburg, N. Y. Forging-suspender	752,218	Feb. 16	2690	595	108	1676
Galloway, George, assignor of two-thirds to J. McAnally and J. R. Moynihan, Buffalo, N. Y. Lubricating side bearing for cars	767,745	Aug. 16	3227	680	111	1798
Galloway, Samuel J., Hillsboro, Oreg. Saw swaging and filing gage	753,565	Mar. 1	629	150	109	148
Galloway, William A., Xenia, Ohio. Surgical pan	749,180	Jan. 12	1283	277	108	314
Galloway, William A., Xenia, Ohio. Flexible water bottle or pad	775,214	Nov. 15	3341	712	113	786
Gally, Merritt, Brooklyn, N. Y. Telephonic repeater	749,481	Jan. 12	1934	401	108	454
Gally, Merritt, Brooklyn, N. Y. Adjustable and self-adjusting music roll and spool	751,494	Feb. 9	1309	300	108	1356
Gally, Merritt, Brooklyn, N. Y. Telephonic repeater	751,845	Feb. 9	1978	450	108	1497
Gally, Merritt, Brooklyn, N. Y. Pneumatic action for mechanical musical instruments and players	752,060	Feb. 16	2399	535	108	1609
Gally, Merritt, Brooklyn, N. Y. Telephone-repeater	753,332	Mar. 1	68	18	109	17
Gally, Robert A., Brooklyn, N. Y. Music recording and self-playing mechanism	749,181	Jan. 12	1284	277	108	315
Galorneau, Louis B., assignor to W. F. Stimpson, Detroit, Mich. Spring-scale	766,143	July 26	4494	993	111	1017
Galt, Thomas A., Sterling, Ill. Corn-husker and fodder-shredder	764,234	July 5	664	135	111	148
Galvin, John, Brattleboro, Vt. Automatic fire-extinguishing device	774,352	Nov. 8	1578	338	113	372
Galvin, John, Brattleboro, Vt. Automatic fire-extinguishing device	774,353	Nov. 8	1580	338	113	372
Galway, John J., assignor of one-half to K. McDonald, Duluth, Minn. Set-works	753,973	Mar. 8	1520	339	109	351
Gama, Manuel C., Tacubaya, assignor of one-half to E. Heuer, Mexico, Mexico. Artificial fuel	764,526	July 5	1261	111	111	275
Gama, Auguste, East Clifton, Canada. Telephone-transmitter	766,821	Aug. 9	1437	300	111	1379
Gamble, Austin A., et al. (See Strain, Robert, assignor.) (Reissue.)						
Gamble, Cyrus T., Diamondville, Wyo. Inhaler	733,133	Feb. 23	4487	999	108	2091
Gamble, George T., Grand Rapids, Mich. Gas-regulator	763,054	June 21	2858	618	110	2099
Gamble, Joseph W., Omaha, Neb. Fire-horse gang-plow evenner	749,373	Jan. 12	1930	359	108	404
Gamble, Joseph W., Omaha, Neb. Three-horse evenner	758,745	May 3	838	67	110	88
Gamble, Neill B., San Gabriel, Tex. Stalk-rake	777,389	Dec. 13	1716	380	113	1823
Gamewell Fire Alarm Telegraph Company. (See Decrow, William E., assignor.)						
Gamewell Fire Alarm Telegraph Company. (See Kirnan, William H., assignor.)						
Gancher, Rebecca. (See Kodama, Nobuyoshi H., assignor.)						
Gander, Harry W., Rudy, Pa. Heat-regulator	752,061	Feb. 16	2401	536	108	1610
Gander, Harry W., Rudy, Pa. Metallic railway-tie	759,293	May 10	1407	281	110	342
Gander, Harry W., Rudy, Pa. Burner for lamps	771,903	Oct. 11	1368	311	112	1265
Gandolfo, John F., Dubuque, Iowa. Mixer	758,746	May 3	340	67, 68	110	88
Gane, Eustace H., et al. (See Kirk, Edward C., assignor.)						
Gangloff, Anna, et al. (See Mock, Charles H., assignor.)						
Gannett, Lewis E., Bellevue, Idaho. Brush-cutter	763,055	June 21	2859	618	110	2099
Gannett, W. H. (See Gilman and Tirrell, assignors.)						
Gannon, George E. (See Hawkins and Gannon.)						
Gano, John K., Griffith, Ohio. Cable-support	765,886	July 26	3984	849	111	907
Ganon, Henry F., assignor of one-half to W. T. Wron, Indianapolis, Ind. Funnel	766,611	Aug. 2	373	204	111	1237
Gans, Robert E. A., Pankow, near Berlin, Germany. Ignition material	773,492	Oct. 25	4781	112	112	2053
Ganser, Hermann, New York, N. Y. Reversing mechanism	759,875	May 17	2604	545	110	610
Gantt, Henry L. (See Barth, Gantt, and Taylor.)						
Gantt, Henry L., Schenectady, N. Y. Forge-furnace	762,301	June 14	1330	284	110	1749
Gantz, Henry H., Albia, Iowa. Sprayer for dental polishing and grinding instruments	749,899	Jan. 19	2723	585	108	645
Gantz, Samuel, assignor of one-half to C. C. Cochran, Hagerstown, Md. Dumping-cart	757,293	Apr. 12	2146	469	109	1816
Gapen, George W., Milwaukee, Wis. Compressed-air lubricator	760,190	May 17	3322	677	110	760
Gapp, John, Scranton, Pa. Coupling	768,896	Sept. 13	1441	808	112	342
Garabedian, Agop, Boston, Mass. Automatic street or station indicator for street-railway cars	774,137	Nov. 1	1183	253	113	268
Garasson, Gustaf, Zeandale, Kans. Hay-derrick	761,159	May 31	5167	1097	110	1219
Garbutt, Frank A., Los Angeles, Cal. Hose-mender	766,530	Apr. 5	318	66	109	1411
Garchey, Louis A., Paris, France. Manufacture of glass stone	753,694	Mar. 1	924	109	109	200
Garchey, Louis A., Paris, France. Manufacture of glass stone	753,695	Mar. 1	925	209	109	200
Garchey, Louis A., Paris, France. Manufacture of artificial granite	776,460	Nov. 29	5880	113	113	1397
Garcia, Joseph, Brooklyn, N. Y. Fiber-cleaning machine	777,017	Dec. 6	1112	241	113	1674
Gard, John J., Harvey, assignor to Buda Foundry & Manufacturing Company, Chicago, Ill. Gate-operating mechanism	771,692	Oct. 4	796	177	112	1129
Gard, John M., Dayton, Ky. Traveling oiler	750,960	Feb. 2	339	80	108	1133
Gardam, Joseph W., assignor to C. E. Sheppard, New York, N. Y. Binder for loose leaves	773,727	Nov. 1	370	82	113	88
Gardam, Joseph W., assignor to C. E. Sheppard, New York, N. Y. Locking device for loose-leaf binders	773,728	Nov. 1	372	82	113	88
Garde, Henry, London, England. Apparatus for carburizing air	762,477	June 14	1698	365	110	1826
Garrella, Albert B., Newburg, Ohio. Automatic car-coupling	764,575	July 12	1395	294	111	321

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Gardella, Albert B., Newburg, Ohio. Journal-box.	775,447	Nov. 22	3861	817	113	930
Gardener, Henry, Paterson, N. J. Water-supply valve.	749,285	Nov. 12	1509	321	108	303
Gardner, Charles B., Raynham, Mass. Feeding mechanism for nail-plate machines.	776,461	Nov. 29	5881	1242	113	1397
Gardner, David R., Neepawa, Canada. Apparatus for picking or treating grain with liquids.	750,961	Feb. 2	340	81	108	1103
Gardner, David R., Neepawa, Canada. Pneumatic blower.	751,627	Feb. 9	1564	355	108	1439
Gardner, George H., New York, assignor to Wichert & Gardner, Brooklyn, N. Y. Protector for shoe uppers.	751,846	Feb. 9	1980	450	108	1498
Gardner, Harry S., Amsterdam, N. Y. Gage.	765,471	July 19	3166	662	111	721
Gardner, W. H., Jr., et al., trustees. (See Thurston, Charles H., assignor.)						
Gardner, Arthur, et al. (See Thompson and Hovenden, assignors.)						
Gardner, Charles S., et al. (See Keen, Arthur W. M., assignor.)						
Gardner, Eli J., assignor to Grap-Boll Cotton Cleaner & Machinery Co., Shawnee, Okla. Ter. Cotton-cleaning machine.	765,135	July 19	2492	521	111	557
Gardner, Frank B., assignor of one-half to D. H. Edling, Lima, Ohio. Horseshoe-calk.	769,071	Aug. 80	6030	1261	111	2451
Gardner, Frank J., Chicago, Ill. Curing meats.	752,392	Feb. 16	3034	675	108	1752
Gardner, Frank W., Ionia, Mich. Cookie or doughnut cutting device.	766,178	Aug. 2	42	8	111	1051
Gardner, Frederick A., Catskill, N. Y. Steering device for automobiles.	759,090	May 3	994	202	110	226
Gardner, Frederick A., Catskill, N. Y. Automobile.	759,091	May 3	996	203	110	226
Gardner, Frederick A., Catskill, N. Y. Power mechanism.	759,092	May 3	997	203	110	226
Gardner, Frederick A., Catskill, N. Y. Gas-engine.	759,093	May 3	999	203	110	227
Gardner, Fulton, assignor of one-half to J. B. Follette, Chicago, Ill. Apparatus for promoting flow of oil and gas in wells.	762,628	June 14	2008	433	110	1892
Gardner, George C., Chicago, Ill. Sash-pulley.	770,849	Sept. 27	3284	692	112	790
Gardner, Henry K., Providence, R. I. Electric time-switch.	778,005	Nov. 15	2886	617	113	682
Gardner, Henry K., Providence, R. I. Quick-break high-tension electric switch.	778,575	Dec. 27	4187	913	113	2378
Gardner, Henry W., Fisher, La. Differential-speed gearing.	766,438	Aug. 2	533	124	111	1168
Gardner, Horace C., Chicago, Ill. Processing canned substances.	769,737	Sept. 13	1142	---	112	277
Gardner, James, Lismore, New South Wales, Australia. Bracket.	749,670	Jan. 12	2277	480	108	539
Gardner, James B. (See Taplin, Walter J., assignor.)						
Gardner, Jas. T. (See Autry, George F., assignor.)						
Gardner, Joe S., et al. (See Hacker, Matt A., assignor.)						
Gardner, John A., Grifton, N. C. Tobacco-truck.	751,628	Feb. 9	1566	355	108	1410
Gardner, John P., San Francisco, Cal. Horse-detacher.	763,276	June 21	3280	707 708	110	2192
Gardner, John W., Quincy, Ill. Pressure-regulator for steam-pump governors.	750,448	Jan. 26	3762	818	108	887
Gardner, Roland, Cleveland, Ohio. Abrading material and mounting therefor.	774,513	Nov. 8	1876	407	113	435
Gardner, Samuel S., Pittsburg, Pa. Picture-frame.	773,316	Nov. 29	5591	1185	113	1329
Gardner, William D., Washington, Pa. Combined steam and explosion engine.	752,619	Feb. 16	3483	776 777	108	1850
Gardnye, Almon H., Brownington Center, Vt. Ribbon-holder.	765,276	July 19	2749	573	111	632
Gare Patent Tyre and Wheel Company. (See Gare, Thomas, assignor.)						
Gare, Thomas, New Brighton, assignor to Gare Patent Tyre and Wheel Company, Limited, Liverpool, England. Means for setting tires or the like on the felloes of wheels.	758,747	May 3	342	68	110	84
Garland, Charles F., Cleveland, Ohio. Safety-rack for coats, hats, umbrellas, &c.	766,685	Aug. 2	1130	235	111	1292
Garland, John W., Pittsburg, Pa. Chain-welding apparatus.	768,219	Aug. 23	4266	897 898	111	2040
Garland Nut & Rivet Company. (See Sang, Alfred, assignor.)						
Garland, William H., et al., P. Lombard & Co., City, Mo.; said Garland assignor to said Lombard. Coin-controlled vending-machine.	762,044	June 7	829	170 171	110	1617
Garlick, Bertha. (See Garlick, Walter J., assignor.)						
Garlick, Charles, Geneva, N. Y. Heating apparatus.	756,351	Apr. 5	321	66	109	1412
Garlick, Walter J., assignor, by mesne assignments, to B. Garlick, Paterson, N. J. Warming-machine.	752,393	Feb. 16	3035	675	108	1752
Garlock, Olin J., assignor to Garlock Packing Company, Palmyra, N. Y. Rod-packing.	709,084	Sept. 6	1044	225	112	238
Garlock Packing Company. (See Garlock, Olin J., assignor.)						
Garman, Lewis B., Hometown, Ind. Belt-holder.	774,576	Nov. 8	1994	433	113	460
Garner, George E. (See Wade and Garner.)						
Garnet, George H., Allentown, Pa. Floor-oller.	769,341	Sept. 6	404	98	112	87
Garnet, George H., Allentown, Pa. Floor-oller.	769,376	Sept. 6	479	106	112	109
Garretson Furnace Company. (See Baggeley and Garretson, assignors.)						
Garretson, Oliver S. (See Baggeley and Garretson.)						
Garrett, Charles B., Minneapolis, Minn. Automatic sprinkler-head.	777,783	Dec. 29	2583	571	113	2024
Garrett, Charles B., assignor of one-half to E. G. Garrett, Minneapolis, Minn. Automatic sprinkler.	758,522	Apr. 26	4614	994	109	2391
Garrett, Emma B. (See Garrett, Charles B., assignor.)						
Garrett, Frank W., and J. D. Forrer, Johnstown, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, Pittsburg, Pa. Trolley wheel and harp.	759,876	May 17	2606	546	110	630
Garrett, George, Coatbridge, Scotland. Furnace.	750,635	Jan. 26	4115	891 892	108	959
Garrett, George W., and G. F. Schaffer, assignors to B. P. Obdyke, Philadelphia, Pa. Sheet-metal band for shoes of pipes, tubes, &c.	772,412	Oct. 18	2432	533	112	1532
Garrett, Henry W. (See Starr and Garrett.)						
Garrett, James Q., Denver, Colo. Railway signaling device.	761,825	June 7	431	87	110	1335
Garrett, Myron A., Chicago, Ill. Railway-car.	774,354	Nov. 8	1581	333	113	372
Garrett, Samuel, assignor to Garrett Tip Company, Chicago, Ill. Rubber and metal-cap tip for chairs.	751,160	Feb. 2	689	158	108	1206
Garrett, Samuel H., assignor to Energy Elevator Company, Philadelphia, Pa. Actuating mechanism for theatrical curtains.	766,238	Aug. 2	188	37	111	1053
Garrett, Spencer M. (See Mason, Julius H., assignor.)						
Garrett Tip Company. (See Garrett, Samuel, assignor.)						
Garrett, William H. (See Wolf and Garrett.)						
Garrigues, William E., New York, N. Y. Distilling liquids.	774,171	Nov. 8	1247	266	113	299
Garrigues, William E., New York, N. Y. Recovering glycerin from spent soap-lyes.	774,172	Nov. 8	1249	---	113	299
Garrigus, Clarence G., assignor to Landers, Frary and Clark, New Britain, Conn. Sheet-metal cylinder for land-presses.	769,435	Sept. 6	580	127	112	131
Garrigus, Walter A., Chattanooga, Tenn. Feed-water regulator.	775,396	Nov. 22	3759	795	113	907
Garrison, Charles H., R. and J. Van der Weit, Dundee Lake, N. J. Removable runner for carriage or wagon wheels.	776,462	Nov. 29	5882	1243	113	1397
Garrison, William P., Chicago, Ill. Stovepipe-ventilator.	763,476	Nov. 28	3703	799	110	2306
Garrison, Winton C., et al. (See Moersch, Ernst G., assignor.)						
Garrity, George T., et al. (See Murphy, Charles H., assignor.)						
Garrow, Leon. (See Brosnan, Michael, assignor.)						
Garside, Irad L., assignor to Garside Manufacturing Company, Paterson, N. J. Blind-adjuster.	776,317	Nov. 29	5692	1185	113	1329

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Garside Manufacturing Company. (See Garside, Irad L., assignor.)						
Garson, Hannah, <i>et al.</i> (See Garson, Hiram H., assignor.)						
Garson, Hiram H., assignor to J. S. Lee and H. Garson, Rochester, N. Y. Pencil-holder.	759,691	May 10	2234	461	110	522
Garst, Dudley, assignor to American Harrow Company, Detroit, Mich. Cultivator.	771,871	Oct. 11	1305	294	112	1252
Garst, Stephen H., assignor to American Harrow Company, Detroit, Mich. Draft-equalizer.	761,370	May 31	5584	1189	110	1310
Garstman, Henry, and P. E. Schnitzer, New York, N. Y. Rope-fastener.	770,062	Sept. 13	1746	369	112	1411
Gartland, Francis X. (See Schmid and Gartland.)						
Gartland, Francis X., Philadelphia, Pa. Eyeglasses.	756,488	Apr. 5	594	128	109	467
Gartland, Francis X., Philadelphia, Pa. Eyeglasses.	770,001	Sept. 13	1653	350	112	391
Gartland, Francis X., Philadelphia, Pa. Detachable fastening appliance.	772,351	Oct. 18	2320	508	112	1498
Gartley, William H. (See Earnshaw and Gartley.)						
Gartling, George. (See Hahn, John, assignor.)						
Gärtnert, Simon, Halle-on-the-Saale, Germany. Polychloral and making same.	768,744	Aug. 30	5363		111	2304
Garton Daniels Company. (See Van Horn, Vandiver J., assignor.)						
Gartside, William N., Richmond, Va. Belt-shifter.	771,904	Oct. 11	1369	311	112	1265
Garvin, George K., New York, N. Y. Milling-machine.	751,629	Feb. 9	1567	356	108	1410
Garvin, Michael J., New York, N. Y. House-drain-venting system.	774,914	Nov. 15	2708	581	113	639
Garvy Company. (See Christensen, Jacob, assignor.)						
Garwood, Charles B., assignor to Carr-Lowrey Glass Company, Baltimore, Md. Combined stopper and sprinkler for bottles.	762,818	June 14	2397	522	110	1976
Gasaway, Thomas O., and J. S. Aydelotte, Marion, Ind. Hygienic medicated belt.	765,472	July 19	3167	662	111	721
Gaskill, James C. (See Aultman and Gaskill.)						
Gaskill, Joseph C., assignor to Ames Iron Works, Oswego, N. Y. Oil and water separator.	774,577	Nov. 8	1995	434	113	460
Gaskill, Marion L., assignor of one-half to J. S. Cloud, Columbus, Ohio. Screw lifting-jack.	756,489	Apr. 5	595	128	109	1467
Gaskill, William H., Philadelphia, Pa., assignor to S. W. Evans & Son. Umbrella-runner.	778,028	Dec. 20	3119	696	113	2131
Gaskin, Frank W., Hutchinson, Kans. Steam engine.	774,062	Nov. 1	1051	225	113	237
Gasmier, Frederick W., assignor to Bowman Continuous Automatic Brake Company, Limited, Petersburg, South Australia, Australia. Method of and means for enabling brakes to be applied to or retracted from either side of railway-vehicles.	766,032	July 26	4266	913	111	967
Gasoline Gas Lighting Company. (See Smith, Charles R., assignor.)						
Gasson, E. E. (See Gasson and Douglass, assignors.)						
Gasson, James H., and W. L. Douglass, Missouri Valley; said Gasson assignor to E. E. Gasson, Stanton, Iowa. Mold for making paper-board receptacles.	771,303	Oct. 4	161	36	112	996
Gastal, Benjamin, Petolas, Brazil. Vehicle-wheel.	772,930	Oct. 25	3460	750	112	1763
Gaston, Walter. (See Hibbard and Gaston.)						
Gaston, Wilbert T., Hackberry, Okla. Ter. Vehicle-axle.	751,278	Feb. 2	948	215	108	1258
Gates, William C., <i>et al.</i> (See Walter, Edward, assignor.)						
Gateau, Antoine, Chicago, Ill. Vapor-burner.	776,231	Nov. 29	5462	1156	113	1301
Gates, Elmer, Chevy Chase, Md. Extinguishing fires.	749,374	Jan. 12	1691	359	108	404
Gates, Emory, Modesto, Cal. Vehicle-wheel.	776,463	Nov. 29	5384	1243	113	1398
Gates, Frank H. (See Blanchard and Gates.)						
Gates, Gideon W., David City, Nebr. Vending-machine.	753,648	Mar. 29	4736	1053	109	1097
Gates, James E., and F. Eibstadt, St. Joseph, Mo. Automatic door-closer.	772,095	Oct. 11	1781	369	112	1357
Gates, John A., Allegheny, Pa. Printing-press.	753,061	Feb. 23	4967	972	108	2065
Gates, John W., Los Angeles, Cal. Animal-trap.	778,777	Dec. 27	4561	998	113	2462
Gates, Lafayette M., Muscatine, Iowa. System of heating buildings or dwellings.	758,253	Mar. 1	70	13	109	17
Gates, Louis W., West Haven, Conn. Dies for making keys or similar articles.	774,241	Nov. 8	1372	293	113	327
Gates, Louis W., West Haven, Conn. Making cold-forged keys.	774,242	Nov. 8	1373	293	113	327
Gates, William H. (See Rogers, Leonard R., assignor.)						
Gates, William H., Worcester, Mass. Drive-chain.	762,045	June 7	833	171	110	1617
Gates, William H., Worcester, Mass. Drive-chain.	762,046	June 7	834	171	110	1618
Gathmann, Emil. (See Meigs and Gathmann.)						
Gathmann, Emil, Washington, D. C., assignor to G. W. McMullen, Picton, Ontario, Canada. Apparatus for drying powder-rods.	777,504	Dec. 13	2033	448	113	1892
Gathmann, Emil A. (See Meigs and Gathmann.)						
Gathmann, Louis, Washington, D. C. Apparatus for distilling petroleum.	755,760	Mar. 29	4980	1108	109	1151
Gathmann, Louis, Washington, D. C. System and apparatus for distilling.	768,705	Aug. 30	5454	1141	111	2325
Gathmann, Louis, Washington, D. C. Distilling or refining hydrocarbon oils and spirits.	768,706	Aug. 30	5458	1149	111	2325
Gathmann, Louis, assignor of one-fourth to E. P. Dickinson and S. R. Waters, Washington, D. C. Drier.	761,041	May 24	4927	1044	110	1147
Gathmann, Louis, assignor of one-fourth to E. P. Dickinson and S. R. Waters, Washington, D. C. Drier.	761,042	May 24	4929	1045	110	1147
Gathmann, Louis, assignor of one-fourth to E. P. Dickinson and S. R. Waters, Washington, D. C. Drying materials.	763,387	June 28	3531	761	110	2269
Gathmann, Louis, assignor of one-fourth to E. P. Dickinson and S. R. Waters, Washington, D. C. Drying substances.	763,388	June 28	3535	761	110	2269
Gathmann, Louis, assignor of one-fourth to E. P. Dickinson and S. R. Waters, Washington, D. C. Drying apparatus.	766,340	Aug. 2	403	85	111	1129
Gatther, Edwin L., Jersey City, N. J. Bottle-holder.	752,968	Feb. 23	4195	935	108	2036
Gauthier, Elie, Constantinople, Turkey. Compressed-air-operated water raising or forcing apparatus.	770,279	Sept. 20	3181	454	112	527
Gauchet, Edward A., Saugatuck, Conn. Car-door fastener.	751,495	Feb. 9	1311	300	108	1356
Gaughan, Thomas, Clinton, Iowa. Dust-gun and for air-hose couplings.	759,692	May 10	2234	461	110	522
Gaul, Andrew Jr., New York, N. Y. Bottle-closure.	753,254	Mar. 1	72	18	109	18
Gaulin, Auguste, Paris, France. Treating milk or similar liquids.	753,702	Mar. 1	1146	258	109	246
Gaulin, Auguste, Paris, France. System of intimately mixing milk.	756,953	Apr. 12	1469	324	109	1671
Gault, Alexander, Medford, Minn. Artificial limb.	766,686	Aug. 2	1133	235	111	1298
Gaunce, Frederick M., and J. M. Danville, Kans. Automatic weighing-machine.	760,861	May 24	4544	969	110	1066
Gaume, James M. (See Gaume, Frederick M., and J. M.)						
Gaumont <i>et Cie.</i> , Ste. L. (See Gaumont, Léon, assignor.)						
Gaumont, Léon, assignor to Ste. L. Gaumont <i>et Cie.</i> , Paris, France. Means for operating synchronously phonographs and cinematographs.	752,394	Feb. 16	3037	676	108	1752
Gaumont, Léon, assignor to Ste. L. Gaumont <i>et Cie.</i> , Paris, France. Apparatus for synchronously operating phonographs and cinematographs.	759,693	May 10	2237	461	110	522
Gauntlett, Frederick W. (See Bower and Gauntlett.)						
Gaussiran, Jules B., Baldwin, La. Cane or corn cutter.	775,168	Nov. 15	3223	689	113	739

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Gautier, Julia C., Columbus, Ga. Cake-mixing machine.	772,797	Oct. 18	3194	695	112	1686
Gaver, E. W. (See Wagner and Cotton, assignors.)						
Gavin, Richard E., et al. (See Lane, John P., assignor.)						
Gaw, Louis R., Asbury Park, assignor to D. Killion, Hoboken, N. J. Lightning-arrester.	758,638	May 3	65	13	110	19
Gawlikowski, Witold, Jaroslau, Austria-Hungary. Prevention and removal of incrustation in steam-generators.	762,897	June 21	2558		110	2032
Gawthrop, Charles S., Wilmington, Del., assignor to American Car & Foundry Company, St. Louis, Mo. Underframe for passenger-cars.	772,141	Oct. 11	1866	414	112	1374
Gay, Chauncey W., West Springfield, Mass. Paper-box machine.	773,318	Oct. 25	4387	927 928 929	112	1973
Gay, Chauncey W., West Springfield, Mass. Machine for surface-finishing paper.	778,126	Dec. 20	3311	727	113	2172
Gay, Harry S., Shamokin, Pa. Portable post	771,057	Sept. 27	3689	777	112	879
Gay, Joseph H., and W. D. Quigley, Newark, N. J. Adjusting device for leather-splitting machines.	760,461	Mar. 29	4985	1109	109	1153
Gay, Oliver E., Rockymount, N. C. Lubricator	762,701	June 14	2160	470	110	1926
Gay, William A., Newark, N. J. Musical toy	761,469	May 31	5748	1225	110	1347
Gayle, Edward F. H., Dunedin, New Zealand. Cuff-button	772,413	Oct. 18	2433	534	113	1322
Gayer, Ernest C., Calcutta, India. Automatic coupling for railway or other vehicles.	766,239	Aug. 2	190	37, 38	111	1083
Gayle, Thomas D., Council Bluffs, Iowa. Saw-holder	767,641	Aug. 16	3059	639	111	1755
Gayley, James, New York, N. Y. Extracting moisture from air for blast-furnaces and converters	756,110	Mar. 29	5655	1248	109	1302
Gayley, James, New York, N. Y. Extracting moisture from air for blast-furnaces or converters	771,058	Sept. 27	3692	778	112	879
Gaylor, Leonard B., Newton Center, Mass. Automobile	756,619	Apr. 5	812	175	109	1514
Gaylord, Edward L., Bridgeport, Conn. Molding articles from amber or ambroid.	760,191	May 17	3228	677	110	760
Gaylord, Edward L., Bridgeport, Conn. Strengthening and ornamenting articles molded from amber or ambroid.	760,192	May 17	3231	678	110	761
Gaylord, Edward L., Bridgeport, Conn. Article made from amber or ambroid.	760,193	May 17	3233	678	110	761
Gaylord, Robert L., Croy, Ga. Turpentine-box	757,294	Apr. 12	2148	469	109	1817
Gaylord, Solomon S., Newark, N. J. Corset	756,111	Mar. 29	5657	1249	109	1303
Gaynor, Thomas F., Brooklyn, N. Y., assignor to Gaynor Train Control Company. Block switch and signal system for electric railways	769,214	Sept. 6	138	33, 34	112	31
Gaynor Train Control Company. (See Gaynor, Thomas F., assignor.)						
Gazzolo, Frank L., et al. (See Hachmann, Frederick, assignor.)						
Gearing, Ernest. (See Rainforth, William, assignor.)						
Geary, Hobart S. (See March, Henry, assignor.)						
Geary, James J., Marshland, Oreg. Snatch-block	776,052	Nov. 29	5104	1080	113	1219
Geb, George F. (See Bartlett, Raymond S., assignor.)						
Geb, Jacob F. (See Johnson and Geb.)						
Gebert, William, Trenton, N. J. Saw	752,447	Feb. 16	3142	699	108	1774
Gebhardt, Frank J., Cleveland, Ohio. Gage-frame	761,954	June 7	675	137	110	1587
Gebler, Eugen J. (See Schmidt and Gebler.)						
Geddes, Charles A., assignor of one-half to C. Hamm, Philadelphia, Pa. Soda-water apparatus.	753,566	Mar. 1	671	151	109	148
Geddes, Charles A., assignor of one-half to C. Hamm, Philadelphia, Pa. Coupling-head for soda-tanks	770,570	Sept. 20	2728	578	112	650
Geddes, Simpson L., Wellington, Kans. Plow	769,897	Sept. 13	1442	309	112	343
Geddes, Simpson L., Wellington, Kans. Device for holding tires for heating.	770,831	Dec. 6	745	163	113	1590
Geddes, Simpson L., and E. G. O'Brien, Wellington, Kans. Vehicle-tongue construction	770,718	Sept. 20	3008	639	112	711
Geelson, James, and F. Frosser, assignors of one-third to C. Herman, Cleveland, Ohio. Tide and draft indicator	774,514	Nov. 8	1878	408	113	486
Gee, James, et al. (See Waters, Frank J., assignor.)						
Gee, Xen. (See Stansell and Gee.)						
Geekie, Charles W., Baltimore, Md. Bottle-stopper	770,850	Sept. 27	3386	692	113	790
Geen, William A., Rochester, N. Y. Brush	771,723	Oct. 4	985	220	112	1170
Geer, Harvey C., Rockford, Ill. Attachment for suspenders	753,149	Feb. 15	2561	570	108	1645
Geery, James, Wisdom, Mont. Hay-rake attachment	754,990	Mar. 22	3530	773	109	822
Gehr, Harvey J., Waynesboro, Pa. Device for propelling railway or tram cars by hand.	768,898	June 21	2559	556	110	2032
Gehring, Marie V., et al. (See Midgley, Frederick W., assignor.)						
Gehring, Marie V. (See Shoemaker, Harry, assignor.)						
Gehring, Marie V., et al. (See Shoemaker, Harry, assignor.)						
Gehrig, Marie V. (See Woodward and Shoemaker, assignors.)						
Gehrken, Charles E., Detroit, Mich. Revolving stand	776,232	Nov. 29	5464	1157	113	1302
Gehrung, Julien A., St. Louis, Mo. Electric selective system	752,150	Feb. 16	2562	570	108	1645
Gehrung, Julien A., St. Louis, Mo. Electric selective system	755,127	Mar. 22	3757	826	109	874
Geier, Philip A., Philadelphia, Pa. Optical and mathematical instrument	774,515	Nov. 8	2858	408	113	486
Geier, William G., New York, N. Y. Camera-support	753,649	Mar. 29	4739	1053	109	1097
Geiger, Charles E., Louisville, Ky. Drier	770,051	Jan. 19	3032	619 650	108	708
Geiger, Charles E., assignor to Geiger, Koop & Fiske and J. E. Turney, Louisville, Ky. Filtering apparatus	763,696	Mar. 1	927	210	109	200
Geiger, Edward M., Mansfield, Ohio. Means for attaching bails to receptacles.	768,659	Aug. 30	5188	1080	111	2265
Geiger, Frank, Brooklyn, N. Y. Gas-check	763,876	June 28	4466	972	110	2468
Geiger, Koop & Fiske et al. (See Geiger, Charles E., assignor.)						
Geiger, Koop & Fiske. (See Turney, John E., assignor.)						
Geisel, Adam, St. Louis, Mo. Bridge	773,729	Nov. 1	373	83	113	88
Geisenhüner, Henry. (See Wood and Geisenhüner.)						
Geisenhüner, Henry, Schenectady, N. Y., assignor to General Electric Company. Magnet-coil spool	756,954	Apr. 12	1471	325	109	1672
Geisenhüner, Henry, Schenectady, N. Y., assignor to General Electric Company. Turbine-bucket cover	764,450	July 5	1109	225	111	245
Geisenhüner, Henry, Schenectady, N. Y., assignor to General Electric Company. Bucket construction for turbines	764,451	July 5	1110	225	111	245
Geisenhüner, Henry, Schenectady, N. Y., assignor to General Electric Company. Turbine-bucket cover	764,452	July 5	1111	225	111	246
Geisenhüner, Henry, Schenectady, N. Y., assignor to General Electric Company. Turbine-bucket.	768,597	Aug. 30	5068	1063	111	2240
Geiser, Karl, and H. Kehrl, Berne, Switzerland. Lining-cylinder	770,636	Sept. 10	2855	408	112	677
Geisert, Lewis, New York, N. Y. Trousers stretcher and hanger	769,694	Sept. 13	1066	222	112	250
Geisler, Fernando H., Dayton, Ohio. Tire-inflator	758,058	Apr. 26	3698	802	109	2187
Geisler, Fernando H., assignor of one-half to H. E. Snyder, Dayton, Ohio. Extension lamp-hanger	748,718	Jan. 5	807	69	108	68
Geissler, Gustav, Sr., and Gustav, Jr., Gratz, Austria-Hungary. Manufacturing cement.	764,453	July 5	1113		111	244

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Geist, Frank W. (See Jackson, Benjamin F., assignor.)						
Geist, John E. (See Geist, Willis H. and J. E.)						
Geist, Willis H. and J. E., Gallatin, Mo. Lighting-arrester	769,738	Sept. 13	1143	246	112	277
Geistert, Rudolph H. A., Camden, N. J. Sounding toy	749,482	Jan. 12	1935	402	108	454
Gelas, Jean P., assignor to Société Gelas et Co., St. Etienne, France. Brocading apparatus for ribbon-weaving looms	767,141	Aug. 9	2080	432 433	111	1522
Gelbaugh, William H., Denver, Colo.	750,842	Feb. 2	122	28	108	1084
Gelhaar, Otto, assignor to National Building Block Company, Milwaukee, Wis. Building-block and wall	773,493	Oct. 25	4782	1008	112	2058
Gell, John, London, England. Perforator for use with automatic telegraph-transmitters	751,161	Feb. 2	690	159	108	1206
Gell, John, London, England. Perforator for automatic telegraph-transmitters	751,162	Feb. 2	695	161	108	1207
Gell, John, London, England. Feed-wheel for automatic telegraphic perforators and transmitters	751,163	Feb. 2	701	161	108	1208
Gell, John, London, England. Perforator	755,224	Mar. 22	3937	871	109	910
Gell, John, Wellington, New Zealand. Apparatus for perforating tape for automatic telegraph instruments or the like	751,164	Feb. 2	703	162	108	1209
Gelnay, Charles, New York, N. Y. Sound-regulator for autoneumatic musical instruments	777,505	Dec. 13	2036	448	113	1893
Gelnay, Charles, New York, N. Y. Belt-shifter	777,949	Dec. 20	2964	651	113	2100
Geltz, Albert H. and L. L. Hosack, Alliance, Ohio, assignors to C. B. McLean, Pittsburg, Pa. Triple-valve piston and connection	755,570	Mar. 22	4567	1016	109	1045
Geltz, Albert H., Alliance, and L. L. Hosack, Youngstown, Ohio, assignors to C. B. McLean, Pittsburg, Pa. Triple-valve piston and connection. (Reissue)	12,245	July 26	4529	968	111	1024
Gelvin, Francis M., Shelbyville, Ind. Attachment for woodworking-machines	759,983	May 17	2818	589	110	969
Gem City Stove Co. (See Gummer, August M., assignor.)						
Gem Fibre Package Company. (See Harbeck, Jervis R., assignor.)						
Gem Fibre Package Company. (See White and Harbeck, assignors.)						
Gem Hammock & Fly Net Company. (See Erdmann and Kootz, assignors.)						
Gemmill, James I., Cleveland, Ohio. Telephone-transmitter	759,094	May 3	1001	204	110	227
Gemmill, James I., Cleveland, Ohio. Telephone-receiver	759,095	May 3	1003	204	110	228
Gendron, Joseph A., Nashua, N. H. Welt-replenishing means for looms	767,934	Aug. 16	3604	762 763	111	1874
General Artificial Silk Company. (See Waite, Charles N., assignor.)						
General Chemical Company. (See White, John F., assignor.)						
General Electric Company. (See Alexander, Magnus W., assignor.)						
General Electric Company. (See Andrews, William S., assignor.)						
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General Electric Company. (See Holladay, Lewis L., assignor.)						
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General Electric Company. (See Junggren, Oscar, assignor.)						
General Electric Company. (See Kaler, Charles H., assignor.)						
General Electric Company. (See Larson, Carl W., assignor.)						
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General Electric Company. (See Lemp, Hermann, assignor.)						
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General Electric Company. (See Marburg, Louis C., assignor.)						
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General Electric Company. (See Meyer, Hans S., assignor.)						
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General Electric Company. (See Potter, William B., assignor.) (Reissue.)						
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General Electric Company. (See Pratt and Fiego, assignors.)						
General Electric Company. (See Priest, Edward D., assignor.)						
General Electric Company. (See Priest, Edward D., assignor.) (Reissue.)						
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General Electric Company. (See Reist, Henry G., assignor.)						
General Electric Company. (See Reist and Henshaw, assignors.)						
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General Electric Company. (See Riddell, John, assignor.)						
General Electric Company. (See Robinson, Lewis T., assignor.)						
General Electric Company. (See Rupley, George H., assignor.)						
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General Electric Company. (See Sargent, Howard R., assignor.)						
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General Electric Company. (See Stumpf, Johann, assignor.)						
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General Electric Company. (See Wood and Geisenhöner, assignors.)						
General Electric Company. (See Wood and Robinson, assignors.)						
General Electric Company. (See Woodbridge, Jonathan E., assignor.)						
General Electric Company. (See Woods, Granville T., assignor.)						
General Electric Company. (See Yates, William C., assignor.)						
General Electric Company. (See Yates and Zimmer, assignors.)						
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General Fire Extinguisher Company. (See Grinnell, Frederick, assignor.)						
General Fire Extinguisher Company. (See Meloon, Jonathan C., assignor.)						
General Fire Extinguisher Company. (See Spratt, Albert, assignor.)						
General Incandescent Arc Light Company. (See Ball, Henry P., assignor.)						
General Incandescent Arc Light Company. (See Hallberg, Josef H., assignor.)						
General Incandescent Arc Light Company. (See Wellman, Harold R., assignor.)						
General Manifold Company. (See Brown, Horace P., assignor.)						
General Metals Refining Company. (See Schwarz, Alfred, assignor.)						
General Railway Signal Company. (See Cade, John T., assignor.)						
General Railway Signal Company. (See Dodgson, Frank L., assignor.)						
Genet, William F., Leopold, Ind. Flow-adjusting mechanism	761,883	June 7	548	109	110	1562
Geneva Automobile & Mfg. Co. (See Link, Vincent, assignor.)						
Genge, Percy M., and L. S. Conner, Pittsburg, Pa. Railway-rail connection	776,176	Nov. 29	5342	1129	113	1274
Geniack, Thomas J., Minneapolis, Minn. Boiler feed-valve	777,623	Dec. 13	2283	501	113	1944
Gent, John R. (See Green and Gent.)						
Genter, Anna M. (See Genter, Elmer W. and A. M.)						
Genter, Elmer W. and A. M., Athol, Mass. Holder for pastry or the like	774,899	Nov. 15	2558	550	113	605
Gentry, Arthur G., and A. Burk, Milburn, Tex. Attachment for horse-powers	761,160	May 31	5169	1097	110	1219
Gentry, William H., Sedalia, Mo. Dust-box	769,496	Sept. 7	581	127	112	132

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Gentsch, Curt, Vohwinkel, near Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Phenol compound	775,814	Nov. 22	4617	-----	113	1093
Geo. E. Keith Company. (See Shaw, Nathaniel G., assignor.)						
Geo. E. Rich Manufacturing Company. (See Rich, George R., assignor.)						
Geo. W. Stafford Company. (See Patten, Alonzo R., assignor.)						
Geometric Drill Company. (See Adt, Howard E., assignor.)						
Geometric Drill Company. (See Smith, William J., assignor.)						
George A. McKeel & Company. (See McKeel, George A., assignor.)						
George A. Ohl & Co. (See Berghof, August A., assignor.)						
George A. Ohl & Co. (See Berghof and Theberath, assignors.)						
George B. Donavin & Company. (See Donavin, Stein, and Hunt, assignors.)						
George D. Jarvis and Co. (See Warner, James F., assignor.)						
George E. Keith Company. (See Wade, Fred M., assignor.)						
George, Edwin, Jr., New York, N. Y. Pump-diaphragm	768,984	Aug. 30	5850	1228	111	2415
George, Harry, et al. (See Zar-Adush-Haish, Ottoman, assignor.)						
George, Henry C., assignor of one-third to W. H. Berkelbach, Philadelphia, Pa. Window	776,177	Nov. 29	5343	1130	113	1274
George, Henry H., Jr., Richmond, Va. Car-placing attachment for power-excavators	757,449	Apr. 19	2473	540	109	1901
George, Henry H., Jr., Richmond, Va. Car-placing attachment for excavators	757,450	Apr. 19	2474	541	109	1901
George, Herbert. (See Kling, Orlando, assignor.)						
George, Isaac A. Hastings, Nebr. Corn or bunion shield	774,317	Nov. 8	1512	324	113	357
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Shaft-coupling	757,735	Apr. 19	3055	606	109	2027
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill	759,984	May 17	2519	590	110	669
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling coiled bundles of rods or wire	765,473	July 19	3169	662	111	721
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer	766,880	Aug. 9	1563	328	111	1407
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Pinion-housing	768,041	Aug. 23	3873	811	111	1951
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Shearing mechanism for cutting ingots	773,561	Nov. 1	53	11	113	16
George, John H., Newark, N. J. Water-heater	767,810	Aug. 16	3358	711	111	1822
George, John S., Ferndale, Wash. Injecting apparatus	765,312	July 19	2823	55	111	647
George, Joseph A., and F. C. Dohrmann, Brooklyn Hills, N. Y. Fire-starting device	752,538	Feb. 16	2930	653	108	1723
George, Joseph F. (See Boerwald, Benjamin, assignor.)						
George L. Vose Manufacturing Company. (See Rice, Walter H., assignor.)						
George, Millie V. (See Merryman, Minnie, assignor.)						
George, Richard M. (See Jones and George.)						
George, Samuel E., and J. R. Norris, New York, N. Y. Non-refillable bottle	756,843	Apr. 12	1255	279	109	1628
George, Samuel E., and J. R. Norris, New York, N. Y. Bottle	770,801	Sept. 27	3173	672	112	764
George, Samuel E., and J. R. Norris, New York, N. Y. Non-refillable bottle	770,802	Sept. 27	3175	672	112	764
George, Seymour, Altoona, assignor of one-half to C. F. Harris, Pittsburg, Pa. Steam and hydraulic spiral motor	750,532	Jan. 26	3929	852	108	921
George, Seymour, assignor of one-half to C. F. Harris, Pittsburg, Pa. Jet propulsion apparatus for vessels	750,533	Jan. 26	3932	853	108	922
George, Seymour, Derry Station, assignor of one-half to C. F. Harris, Pittsburg, Pa. Adjustable packing device for the stuffing-boxes of rotary motors	750,534	Jan. 26	3947	855	108	923
George, Virgil M., Youngstown, Ohio. Purifying water	761,044	May 24	4933	1045	110	1148
George W. Dover Company. (See Stone, Arthur C., assignor.)						
George, William H., Dexter, Iowa. Wrench for cylinder-teeth	755,293	Mar. 22	4063	901	109	937
George, William K. (See Humphrey, James, assignor.)						
George, William T., assignor of one-third to T. J. Lamb, Fayetteville, Tenn. Plow	761,043	May 24	4932	1045	110	1147
Georgia Pine Turpentine Company of New York. (See Clark and Harris, assignors.)						
Georgii, Max. (See Massie, Mitford C., assignor.)						
Geraci, Girolamo, assignor of one-half to J. L. Shappiro, Washington, D. C. Refrigerator	777,895	Dec. 20	2846	626	113	2078
Geraerds, Gerard, New York, N. Y. Building-block	769,539	Sept. 6	787	170	112	178
Geraerds, Gerard, New York, N. Y. Dumb-waiter shaft	778,745	Dec. 27	4497	985	113	2447
Gerard, John J., Minneapolis, Minn., assignor to Allis-Chalmers Company, Chicago, Ill. Feed mechanism for roller-mills	775,350	Nov. 22	3654	774	113	884
Gerdes, Henry A., assignor of fifty-five one-hundredths to F. W. Cappelen, A. H. Elftman, and J. B. Cull, Minneapolis, Minn. Maturing Portland or other hydraulic cements	753,385	Mar. 1	304	-----	109	69
Gerdorn, Gregory, Watervliet, N. Y., assignor to Ordnance Improvement Company. Retracting attachment for firing-pins for ordnance	751,847	Feb. 9	1981	450	108	1498
Gergasevics, Otto, Vienna, Austria-Hungary. Electric-lighting device	769,739	Sept. 13	1144	246	112	277
Gerhard, Amos S., Clayton, N. Y. Milk apparatus	762,819	June 14	2398	522	110	1976
Gerhardt, Albin, Milwaukee, Wis. Wrench for meat-choppers	760,532	May 24	3865	820	110	912
Gerhardt, William, Brunswick, Me. Computing-scale	756,352	Apr. 5	324	67	109	1422
Geritz, Claus P. (See Meyer and Geritz.)						
Geritz, Claus P., Kingsland, assignor of one-half to V. E. Downer, Lindhurst, N. J. Valve	773,730	Nov. 1	375	83	113	89
Gerken, Henry L., New York, N. Y. Valve mechanism	773,738	Oct. 25	4546	961	112	2009
Gerlach, Frank W. and F. A. and F. W. Moore, Kenton, Ohio. Spike-puller	753,386	Mar. 1	305	68	109	69
Gerlach, Fred A. (See Gerlach and Moore.)						
Gerlach, George W., Louisville, Ky. Pressure-filter	765,277	July 19	2750	574	111	632
Gerlach, George W., Louisville, Ky. Filter-plate	773,746	Dec. 27	4498	985	113	2447
Gerlach, Oscar, Iowa, Kans. Gas-separator	757,034	Apr. 12	1638	359	109	1711
Germain, Frederick L., Buffalo, N. Y. Bedstead-holder	757,451	Jan. 5	2476	541	109	1901
Germain, Peter H., assignor to Spencer Wire Company, Worcester, Mass. Towel-rack	748,719	Apr. 19	3069	619	108	69
Germain, Peter H., assignor of one-half to P. H. Duprey, Worcester, Mass. Towel-ring	771,905	Oct. 11	1374	312	112	1266
Germain, Peter J., Quincy, Mass. Bottle	757,105	Apr. 12	1782	380	109	1737
Germain, Pierre, Fontenay aux Roses, France. Microphone	759,062	Feb. 23	4368	972	108	2065
Germakian, Garabet, Paterson, N. J. Fractional electric generator	759,066	May 3	1004	204	110	228
Germann, Emil. (See Buckingham and Germann.)						
Germanson, Julius M., Milwaukee, Wis. Chair-seat spider	756,955	Apr. 12	1472	325	109	1672
Germond, George C., et al. (See Schmidt, Frederick M., assignor.)						
Gernand, William H., Alvin, Ill. Machine for shocking corn	758,748	May 3	343	68, 69	110	84
Gerner, Henry J., Vandergrift, Pa. Continuous ice-cream freezer	749,286	Jan. 12	1510	322	108	363
Gerner, Henry J., Vandergrift, Pa. Ice-cream freezer	759,097	May 3	1005	204	110	228
Gerner, Henry J., Vandergrift, Pa. Making ice-cream or the like	772,656	Oct. 18	2901	638	112	1623
Geroud, John E., Kansas City, Mo. Draft-controlling mechanism for steam-boiler furnaces	758,749	May 3	346	69	110	85

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Gerry, Edson, Whatcom, Wash. Earth and rock auger.....	773,562	Nov. 1	55	11, 12	113	16
Gerstenberg, Ernest. (See Dels, Philip H., assignor.)						
Gerstenschlager, Valentine, Ashland, Ohio. Match-making machinery.....	776,464	Nov. 29	5885	1243	113	1398
Gerstle, Morris H., New York, N. Y. Attachment for corsets.....	776,481	Aug. 16	3506	741	111	1852
Gerstner, Frank L., Craig, N. Y. Brake.....	762,302	June 14	1332	835	110	1749
Gerts, Walter S., Oakpark, N. H. Tripod.....	765,175	July 19	2572	837	111	592
Gertz, Richard W., Cambridge, Mass. Piano.....	751,726	Feb. 9	1738	394	108	1445
Gertz, Richard W., Cambridge, Mass. Piano construction.....	758,639	May 3	67	14	110	1919
Gervais, Wainright B., Chicago, Ill. Rolling shutter.....	757,106	Apr. 12	1782	390	109	1737
Gervais, Wainwright B., Chicago, Ill. Fireproof metal window frame and sash.....	770,571	Sept. 20	2730	578	112	650
Gerwig, Oscar L., Canton, Ohio. Brick re-press.....	761,896	June 7	433	88	110	1585
Gery, Albert A., Reading, Pa. Car for tunnel-kilns.....	768,797	Aug. 30	5459	1149	111	2326
Gery, Albert A., Reading, Pa. Car for tunnel-kilns.....	774,243	Nov. 8	1374	293	113	827
Gesbeck, Charles H. (See Angsten and Gesbeck.)						
Geschickter, Leo, Washington, D. C. Fur garment.....	765,618	July 19	3426	722	111	776
Gesellschaft fuer Werkzeugindustrie, G. M. B. H. (See Scheffer, Fritz, Jr., assignor.)						
Gesellschaft fur Drahtlose Telegraphie, G. M. B. H. (See Dönitz, Johannes, assignor.)						
Gesellschaft für Kabelschutz-Anlagen G. M. B. H. (See Wilhelm, Otto, assignor.)						
Gesellschaft zur Verwertung der Boleg'schen Wasserlöslichen Mineralöle und Kohlenwasserstoffe, Gesellschaft mit Beschränkter Haftung von Berlin. (See Boleg, Friedrich, assignor.)						
Gesellschaft zur Verwertung Landwirtschaftlicher Produkte, G. M. B. H. (See Reinele and Baumgarten, assignors.)						
Gesner, Dwight N., and W. H. Leete, New Haven, Conn. Cell door or window guard.....	774,874	Nov. 15	2630	505	113	621
Gesner, George W., New York, assignor to H. C. Gesner, Brooklyn, N. Y. Metallurgical apparatus.....	755,867	Mar. 29	5187	1148	109	1901
Gesner, Harleston C. (See Gesner, George W., assignor.)						
Gesner, William H., assignor, by mesne assignments, to Caribbean Manufacturing Company, New York, N. Y. Apparatus for continuous treatment of material.....	771,141	Sept. 27	3860	815	112	917
Gesner, William H., assignor, by mesne assignments, to Caribbean Manufacturing Company, New York, N. Y. Distilling and evaporating apparatus.....	773,139	Oct. 25	4023	853	112	1894
Gessner, David, administrator. (See Gessner, Ernst.)						
Gessner, David, Worcester, Mass. Strickle for card-clothing.....	761,165	Feb. 2	708	162	108	1309
Gessner, David, Worcester, Mass. Card-clothing for napping-machines.....	761,470	May 31	5750	1225	110	1348
Gessner, Ernst, Aue, Germany. Cloth-holding device.....	754,649	Mar. 15	2880	628	109	661
Gessner, Ernst, Aue, Germany. Machine for steaming cloth.....	761,471	Mar. 31	5751	1227	110	1348
Gessner, Ernst, deceased; D. Gessner, administrator, Worcester, Mass. Spinning-machine.....	771,039	Sept. 27	3694	778	112	879
Gest, Guy M., Cincinnati, Ohio. Bracket-block for conduit-manholes.....	756,944	Apr. 12	1257	280	109	1628
Gest, Guy M., Cincinnati, Ohio. Machine for saturating insulating material.....	768,132	Apr. 26	3844	834	109	2220
Gest, Guy M., Cincinnati, Ohio. Manhole-terminal for conduit-sections.....	774,318	Nov. 8	1513	324	113	357
Getchell, Herbert E., Woonsocket, R. I. Driving-cylinder for mules and spinning-frames.....	770,900	Sept. 27	3382	713	112	811
Getman, David D., Brown Valley, Minn. Wrench.....	764,576	July 12	1396	285	111	321
Getman, David D., Brown Valley, Minn. Wagon-jack.....	769,476	Sept. 6	670	144	112	152
Getto, Amos, New York, N. Y. Electric burglar-alarm.....	775,723	Nov. 22	4448	941	113	1057
Getty, Fred L., assignor to American Clock Company, Chicago, Ill. Electric secondary clock.....	765,383	July 19	2960	619	111	677
Getzlaff, Rudolf, Amsterdam, Ga. Pneumatic cotton-picker.....	763,389	June 28	3538	762	110	2270
Geucke, Kurt, Tegelfort, near Berlin, Germany. Automatic brake-coupling for railway or electric cars.....	758,059	Apr. 26	3695	803	109	2188
Geyer, Hobart W., et al. (See Stone, Harry W., assignor.)						
Geyer, Louis. (See Darling, Geyer, and Evers.)						
Geyer, William, Milwaukee, Wis. Leaf-turner.....	759,365	May 10	1622	327	110	387
Geyer, William E., Cambridge, Mass. Reversible propeller.....	765,073	July 12	2392	498	111	596
Geyerman, Peter T., Brewster, Minn. Otoscope.....	765,887	July 26	3985	850	111	907
Gheen, Amner L., assignor to himself and J. M. Ostrum, Creede, Colo. Compound tool.....	763,745	June 28	4210	918	110	2415
Ghegan, John J., Newark, N. J. Multiplex telegraphy.....	757,736	Apr. 9	3056	666	109	2028
Ghiglieri, William, assignor to Universal Nut-Lock Company, Stockton, Cal. Nut-lock.....	756,620	Apr. 5	814	175	109	1515
Gibb, Hugh M., Cowansville, Pa. Bottle.....	752,899	Feb. 23	4023	901	108	1987
Gibbens, William J., New Orleans, La., and E. W. Christie, Valley Cottage, N. Y., assignors to Christie Engineering Company, Limited, New Orleans, La. Extracting sucrose.....	767,295	Apr. 12	2148	470	109	1817
Gibbens, William J., New Orleans, La., and E. W. Christie, Valley Cottage, N. Y., assignors to Christie Engineering Company, Limited, New Orleans, La. Apparatus for extracting sucrose from sugar-cane.....	757,296	Apr. 12	2152	473	109	1818
Gibbes, Wade H., Columbia, S. C. Table.....	775,724	Nov. 22	4450	941	113	1057
Gibbons, Thomas H., Camden, N. J. Saddle-joint for railway-rails.....	759,694	May 10	2238	462	110	521
Gibbons, Edward F., assignor to Silver Manufacturing Company, Salem, Ohio. Cutting-machine.....	750,107	Jan. 19	3139	675	108	731
Gibbons, Rodmond, deceased, New York, N. Y.; J. K. Beach, administrator. Household implement.....	750,357	Jan. 26	3602	781	108	852
Gibbs, Bryce P., Ada, Ind. Ter. Lantern-hook.....	760,799	May 24	4773	1015	110	1115
Gibbs, Charles H., et al. (See Russell, Frank C., assignor.)						
Gibbs, Charles L., Philadelphia, Pa. Dental impression-cup.....	765,919	July 26	4042	863	111	920
Gibbs, Charles W., assignor to Columbia Nut & Bolt Company, Bridgeport, Conn. Nut-lock.....	764,662	July 12	1586	324	111	363
Gibbs, Eugene U., Peterboro, Canada. Steam-boiler.....	750,275	Jan. 26	3448	744	108	817
Gibbs, George, New York, N. Y. Railway-car frame.....	756,353	Apr. 5	325	67	109	1413
Gibbs, George, New York, N. Y. Safety device for electric-railway systems.....	757,107	Apr. 12	1783	321	109	1737
Gibbs, George, New York, N. Y. Safety device for electric railways.....	753,098	May 3	1006	205	110	226
Gibbs, George, New York, N. Y. Railway-vehicle. (Reissue.).....	12,268	Sept. 20	3029	644	112	716
Gibbs, George, New York, N. Y. Railway passenger-vehicle.....	777,624	Dec. 13	2285	501	113	1944
Gibbs, George J. (See Laws, Smith, and Gibbs.)						
Gibbs, James E., Bridgewater, Va. Sash-fastener.....	752,062	Feb. 16	2403	536	108	1610

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Gibbs, James E., Bridgewater, Va., assignor of one-half to G. A. Horn, Newark, N. Y. Spring-motor	753,873	Mar. 8	1816	296	109	304
Gibbs, John W., Whitsett, Pa. Sectional steel square	765,474	July 19	3170	662	111	721
Gibbs, Lulu T., New York, N. Y., assignor to Vehicle Equipment Company. Running-gear	749,287	Jan. 12	1517	322	108	365
Gibbs, Thomas M. (See McKinney, Robert, assignor.)						
Gibbs, William, <i>et al.</i> (See Russell, Frank C., assignor.)						
Gibbs, William E., Fanwood, assignor of one-half to H. Berg, Newark, N. J. Hydrocarbon-burner	750,962	Feb. 2	341	81	108	1133
Gibbs, William E., Fanwood, assignor of one-half to H. Berg, Newark, N. J. Hydrocarbon-burner	751,066	Feb. 2	522	121	108	1174
Gibbs, William E., Fanwood, assignor of one-half to H. Berg, Newark, N. J. Hydrocarbon-burner	752,900	Feb. 23	4024	901	108	1987
Gibbs, William E., Fanwood, assignor of one-half to H. Berg, Orange Valley, N. J. Hydrocarbon-furnace	762,048	June 7	838	172	110	1618
Gibbs, William M., Providence, Utah. Seeding-machine	762,047	June 7	835	172	110	1618
Gibbs, William T., Buckingham, Canada. Decomposing refractory silicates	765,968	July 26	4137	884	111	942
Gibbs, William T., Buckingham, Canada. Decomposing refractory silicates	772,612	Oct. 18	2823	-----	112	1606
Gibson, Daniel, Wilmington, Del. Draft attachment	772,657	Oct. 18	2805	-----	112	1623
Gibson, Edward B., Adrian, Mich. Safety-razor	776,902	Dec. 6	882	190	113	1621
Gibson, Gilbert J., Mobile, Ala. Stage-flooding system	774,063	Nov. 1	1053	226	113	238
Gibson, David H., Seattle, Wash. Kiln	762,702	June 14	2161	470	110	1926
Gibson, Frank C., Ballston, Va. Tire-bolt wrench	771,623	Oct. 4	797	178	112	1129
Gibson, Frank H., assignor to Gibson Jar Company, Bridgeton, N. J. Jar and closure therefor	762,049	June 7	840	173	110	1619
Gibson, Jacob W., Muncie, Ind. Fence-post	754,060	Mar. 8	1677	372	109	386
Gibson Jar Company. (See Gibson, Frank H., assignor.)	766,087	Aug. 2	1135	335	111	1993
Gibson, John, Norton Heights, Conn. Discharge-chute for coal carts or wagons	769,898	Sept. 13	1444	309	112	343
Gibson, John H., assignor of one-half to S. E. Hartzell, Crafton, Pa. Ice-cutting machine.	758,963	May 3	764	152	110	177
Gibson, John K. (See Sumner, Brewer, and Gibson.)						
Gibson, John T. (See Hoffman and Gibson.)						
Gibson, Oscar P. (See Amburn, Otis F., assignor.)						
Gibson, Robert L. (See Jetter, Julius, assignor.)						
Gibson, Robert L. (See Jones, Henry, assignor.)						
Gibson, William, Vandergrift, Pa. Cooling-rack for galvanizing plants	753,255	Mar. 1	73	18,19	100	18
Giddings, Frank D. (See Smith and Giddings.)						
Giddings, Lawson E. (See Shoemaker and Giddings.)						
Gideon, Frederick W., Mount Clemens, Mich. Railway side-line sod-cutter	765,829	July 26	3881	826	111	884
Gidley, Lee, Morgantown, W. Va. Angle-strip	751,279	Feb. 2	950	215	108	1259
Giersiepen, Albert, Remscheid, Germany. Disinfecting apparatus	737,896	Apr. 19	3199	635	109	2020
Gies, Charles W., Seattle, Wash. Clothes-drier	752,151	Feb. 16	2566	570	108	1646
Gies, Frank G., Detroit, Mich. Transmission-gear	763,477	June 28	3704	799	110	2306
Giese, Charles H., Toronto, Kans. Coupling for drills	776,391	Nov. 29	5746	1216	113	1365
Giese, William H., Bloomington, Ill. Hay-rack	774,662	Nov. 8	2146	469	113	492
Giesecke, Wilhelm, Cologne, Germany. Dumping-car	761,161	May 31	5170	1098	110	1219
Giesen, Aurel, Krefeld, Germany. Suspenders	756,490	Apr. 5	597	128	109	1468
Giesler, Arthur, assignor to Stilwell-Bierce & Smith-Vaile Co., Dayton, Ohio. Water-wheel setting	750,761	Jan. 26	4402	949	108	1025
Giesler, Arthur, assignor to Stilwell-Bierce & Smith-Vaile Co., Dayton, Ohio. Water-wheel setting	750,843	Feb. 2	123	29	108	1085
Giesel, Henry, Wapakoneta, assignor of one-half to F. Krein, St. Marys, Ohio. Hanger for lamps	769,072	Aug. 30	6021	1261	111	2451
Gifford, Aaron C., <i>et al.</i> (See Coomber, James, assignor.)						
Gifford, Charles A., Akron, Ohio. Solid and fluid fuel furnace	776,053	Nov. 29	5106	1080	113	1219
Gifford, Fred W., <i>et al.</i> (See Keefe, William J., assignor.)						
Gifford, Lester R. (See Sage and Gifford.)						
Gifford, Lester R., and R. V. Sage, Westmont, Pa. Metallic-sheet-piling construction	776,131	Nov. 29	5233	1110	113	1253
Gifford, Lester R., and R. V. Sage, Westmont, Pa. Metallic sheet-piling	776,132	Nov. 29	5234	1110	113	1253
Gifford, Robert L., <i>et al.</i> (See Nistle, George W., assignor.)						
Gigler, Mihal, Reserve township, Allegheny county, Pa. Elevator	757,168	Apr. 12	1785	391	109	1738
Giglio, Calocero, and B. Zaouche, Paris, France. Agglomerating compound for agglomerating pulverulent materials	751,280	Feb. 2	950	-----	108	1259
Gilbert, Adam F., Farmersville, Ohio. Combined window-curtain and shade-roller holder.	737,547	Apr. 19	2685	587	109	1946
Gilbert & Barker Manufacturing Company. (See Barker, John F., assignor.)						
Gilbert & Barker Manufacturing Company. (See Clarke, William C., assignor.)						
Gilbert, Bernard A., assignor to L. T. Gilbert, Philadelphia, Pa. Automatic electrical display apparatus	764,539	July 5	1315	267	111	299
Gilbert, Elam, Portland, Ore. Attachment for phonographs	761,371	May 31	5383	1189	110	1310
Gilbert, Elam, Portland, Ore. Attachment for graphophones	766,341	Aug. 2	404	85, 86	111	1130
Gilbert, Emma A., Jamestown, N. Y. Rectal syringe	761,217	May 31	5265	1118	110	1239
Gilbert, Frank S. (See Butler, Joseph C., assignor.)						
Gilbert, George H., Germantown, Pa., assignor to Kilbourn Knitting Machine Company, New Brunswick, N. J. Seamless hosiery	770,231	Sept. 13	2063	434	112	479
Gilbert, Harris & Company. (See Gilbert, James E., assignor.)						
Gilbert, Henry J., Saginaw, Mich. Pulley	766,439	Aug. 2	585	124	111	1168
Gilbert, James E., assignor to Gilbert, Harris & Company, Chicago, Ill. Overlay for half-tone printing-plates and making same	765,574	July 19	3846	703	111	759
Gilbert, James R., Kissimmee, Fla. Rail-joint	753,874	Mar. 8	1317	297	109	304
Gilbert, John E. (See Friese and Gilbert.)						
Gilbert, Lillian T. (See Gilbert, Bernard A., assignor.)						
Gilbert, Pearl, Boston, Mass. Soldering-iron	774,064	Nov. 1	1055	226	113	238
Gilbert, Wilbur F., assignor to P. & F. Corbin, New Britain, Conn. Bolt-actuator	767,400	Aug. 16	2569	541	111	1645
Gilchrist, John E., Southbend, Wash. Snatch-block	765,475	July 19	3171	663	111	721
Gilchrist, Ruth A., Wilkesbarre, Pa. Preserve-jar and cap therefor	756,956	Apr. 12	1475	325	109	1673
Gilcrest, Jess R., Toronto, Ohio. Tool-holder	766,144	July 26	4495	962	111	1018
Gilcrest, John S. (See Small, William S., assignor.)						
Gildemeyer, Charles A., Philadelphia, Pa. Liquid-dispensing apparatus	757,611	Apr. 19	2819	615	109	766
Gildemeyer, Charles A., Philadelphia, Pa. Spigot	776,465	Nov. 29	5887	1243	113	1308
Gile, William L., Muskegon, Mich. Composition packing	763,277	June 21	3282	708	110	2192
Giles, Chester. (See Attebery and Giles.)						
Giles, Isaac W., New Bedford, assignor to Atlas Tack Company, Fairhaven, Mass. Coating eyelets	764,454	July 5	1113	236	111	246
Giles, James A., Elberton, Ga. Electrical device for shocking horses	752,544	Feb. 10	3317	738	108	1815

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Giles, John S., Upland, Ind. Preserving-jar	760,980	May 24	4774	1016	110	1115
Giles, Joseph S., assignor to M. J. Whittall, Worcester, Mass. Oiling device for looms	751,067	Feb. 2	523	122	108	1174
Giles, Joseph S., assignor to M. J. Whittall, Worcester, Mass. Oiling device for looms	751,068	Feb. 2	524	122	108	1174
Giles, William, Amarillo, Tex. Drying-machine	748,601	Jan. 5	84	32	108	148
Giles, William T., Shamokin, Pa. Stuffing-box	753,567	Mar. 1	673	151	109	173
Giles, William W., Occoquan, Va. Cultivator	772,232	Oct. 11	2070	435	112	1420
Gillfillan, Essington N., Chicago, Ill. Coin counting and packaging machine	757,612	Apr. 19	2821	616	109	1976
Gilks, Leonard L., Patten, Me. Ax-head with removable bit	764,577	July 12	1397	285	111	322
Gill, Edwin R., New York, N. Y. Electric-socket support	754,762	Mar. 15	3097	676	109	712
Gill, Edwin R., Independence, Mo. Store-service apparatus	758,060	Apr. 26	3699	804 805 806 807	109	2188
Gill, Edwin R., Yonkers, N. Y. Socket for electric lamps	771,240	Oct. 4	34	7	112	968
Gill, Edwin R., New York, N. Y., assignor to Invention Developing Company. System of alternating-current distribution	754,133	Mar. 8	1816	404	109	417
Gill, Edwin R., New York, N. Y., assignor to Invention Developing Company. Electric brake	778,238	Dec. 27	3509	772 773	113	2233
Gill, Edwin R., New York, N. Y., assignor to Electric Contract Company. Portable electric gas-lighter	761,372	May 31	5587	1190	110	1310
Gill, Edwin R., New York, N. Y., assignor to Electric Contract Company. Portable electric light	774,749	Nov. 15	2370	512	113	564
Gill, George E., Wake Forest, N. C. Combination-plow	751,630	Feb. 9	1568	356	108	1410
Gill, Jacob F., Northeast, Pa. Insulator	770,962	Sept. 27	3505	738	112	841
Gill, James G., Middleburg, Cape Colony. Holder for neckties or the like	761,766	June 7	230	58	110	1502
Gill, John E., Jefferson, Iowa. Window-shade bracket	750,184	Jan. 19	3274	706	108	759
Gill, John E., Franklin, Pa. Lubricating device	765,176	July 19	2573	538	111	593
Gill, Joseph H. (See Reis and Gill.)						
Gillard, Thomas, Chicago, Ill. Machine for making paper-rolls	774,578	Nov. 8	1907	434 435	113	460
Gillard, William J., Minneapolis, Minn. Depth-scale	750,449	Jan. 26	3764	818	108	888
Gillard, William M. (See Felt and Gillard.)						
Gillaspy, John T., Union, assignor of one-third to C. W. Michael and W. Sullivan, Sumter, Oreg. Mowing-machine	753,697	Mar. 1	931	210	109	201
Gille, Henry J. (See Clark, Robert W., assignor.)						
Gilleland, Edgar B., Wichita, Kans., assignor of one-half to W. M. Wilson. Stock-car	772,565	Oct. 18	2732	600 601	112	1587
Gillen, Arthur P., Chicago, Ill. Cuff-holder	773,654	Dec. 27	4349	950	113	2415
Gillespie, Alfred J., assignor, by mesne assignments, to U. S. Standard Voting Machine Co., Rochester, N. Y. Register or counter	761,218	May 31	5266	1118	110	1289
Gillespie, Alfred J., assignor to U. S. Standard Voting Machine Company, Rochester, N. Y. Interlocking device for voting-machines	773,140	Oct. 25	4026	853	112	1894
Gillespie, Le Roy C., Brownsville, Tenn. Combination clothes washer and wringer	767,370	Aug. 9	2322	486	111	1573
Gillespie Manufacturing Company. (See Gillespie, Robert A., assignor.)						
Gillespie, Robert A., assignor to Gillespie Manufacturing Company, Allegheny, Pa. Gas-pressure regulator	764,186	July 5	550	106	111	122
Gillespie, Thomas A., West Orange, N. J. Joint for lock-bar pipes	761,067	May 31	4986	1057	110	1179
Gillespie, William J., Allegheny, Pa. Rail-joint	773,865	Nov. 1	658	139	113	152
Gillissen, Friedrich W., Hamburg-St. Pauli, Germany. Bottle-washing machine	762,522	June 14	1791	383 384	110	1847
Gillet, Alexis F., Council Bluffs, Iowa. Gasolene generator and burner	762,050	June 7	843	173	110	1619
Gillet, Arthur, Galesburg, Ill. Hollow brick or tile die	762,899	June 21	2561	556	110	2032
Gillet, Lorenzo D. (See Harlow and Gillett.)						
Gillett, Vernon J., assignor to Standard Matt Furniture Company, Detroit, Mich. Folding bed	750,762	Jan. 26	4404	950	108	1026
Gillette, Fred H., Cortland, N. Y. Watch-repairer's gage	771,624	Oct. 4	799	178	112	1130
Gillette, George H., New York, N. Y., assignor to Crown Cork and Seal Co. of Baltimore City, Baltimore, Md. Bottle-capping machine	770,803	Sept. 27	3176	673	112	765
Gillette, George H., New York, N. Y., assignor to Crown Cork and Seal Co. of Baltimore City, Baltimore, Md. Seal for bottles, &c.	775,917	Nov. 29	4821	1022	113	1154
Gillette, George H., New York, N. Y., assignor to Crown Cork and Seal Co. of Baltimore City, Baltimore, Md. Head for bottle-capping machines	777,784	Dec. 20	2585	571	113	2025
Gillette, Joseph P., New London, Conn. Audible indicator for electric-light or electric-motor circuits	769,540	Sept. 6	788	170	112	178
Gillette, King C., Brookline, assignor, by mesne assignments, to Federal Trust Company, Boston, Mass. Razor	775,134	Nov. 15	3152	670	113	743
Gillette, King C., London, England, assignor, by mesne assignments, to Federal Trust Company, Boston, Mass. Razor	775,135	Nov. 15	3156	670	113	744
Gillette, Randolph, assignor of one-half to S. J. Vasaly, Littlefalls, Minn. Rotary valve	751,281	Feb. 2	951	216	108	1259
Gillette, Thomas H. (See Craver and Gillette.)						
Gilliam Manufacturing Company. (See Miller, Charles W., assignor.)						
Gilliéron, Charles, Viège, Switzerland. Rock-drilling machine	771,625	Oct. 4	800	178	112	1130
Gillies, Alexander, Terang, Victoria, Australia. Pneumatic teat-cup	774,579	Nov. 8	2001	435 436	113	461
Gillies, James H., Melbourne, Victoria, Australia. Apparatus for separating sulfids from their ores	778,747	Dec. 27	4499	985	113	2447
Gilliland, Theodore F., Bluffton, Ind. Portable power-dam	757,909	Apr. 19	3393	734 735	109	2102
Gilliland, William E., Coatsburg, Ill. Nut-wrench	757,613	Apr. 19	2824	616	109	1977
Gillin, Robert F., New York, N. Y. Flushing-valve	750,763	Jan. 26	4405	950	108	1026
Gillingham, Elmer E., and D. E. Huntley, Wellston, Ohio. Trolley	759,433	May 10	1744	353	110	415
Gillis, Arthur L., Salem, Iowa. Screen bed	767,882	Aug. 16	3508	741	111	1833
Gillis, Cyrus W., Andalusia, Ala. Bird-trap	755,762	Mar. 29	4987	1109	109	1153
Gillon, Edward F., Wakefield, Mass., assignor to Miller Lock Company, Philadelphia, Pa. Lock	752,063	Feb. 16	2404	536	108	1610
Gilman, Charles S. (See Hanna and Gilman.)						
Gilman, Edward, New Haven, Conn. Phonograph	749,857	Jan. 19	2657	567 568	108	688
Gilman, Edward R. (See Keiner and Gilman.)						
Gilman, George H., Franklin, Pa. Combined chuck and rotating device for rock-drills	771,218	Sept. 27	4002	846 847	112	947
Gilman, George H., Franklin, Pa. Drill-chuck	771,626	Oct. 4	802	179	112	1131
Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Corn-sheller	761,068	May 31	4987	1058	110	1180
Gilman, Willard H., Boston, Mass., assignor to American Amusement Company, Kittery, Me. Seesaw amusement apparatus	758,197	Feb. 23	4608	1026	108	2119

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Gilman, Willard H., and J. P. Tirrell, Boston, Mass.; said Tirrell assignor, by mesne assignments, to W. H. Gannett, Augusta, Me. Automatic musical instrument.....	763,877	June 28	4467	972 { 973	110	2468
Gilman, William D., Sweetwater, Tenn. Bleaching barbytes and recovering Glauber salt.....	770,963	Sept. 27	3506	112	841	181
Gilmer, Benjamin F., Denison, Tex. Rocking-chair fan.....	766,882	Aug. 9	1445	801	111	1381
Gilmer, George O., New Orleans, La., assignor, by mesne assignments, to Illinois Investment Company. Apparatus for the destructive distillation of wood. (Reissue).....	12,208	Mar. 22	4634	1029	109	1060
Gilmer, George O., New Orleans, La., assignor, by mesne assignments, to Illinois Investment Company. Destructive distillation of wood.....	762,303	June 14	1333	285 { 286	110	1749
Gilmer, William A., near Broadview, assignor of one-half to J. E. Roan, Columbia, Tenn. Wheel construction.....	769,796	Sept. 13	1245	268	112	299
Gilmor, William T., Jersey City, N. J., assignor, by mesne assignments, to Empire State Trust Company, trustee. Making bread without crust.....	771,795	Oct. 4	1132	253	112	1201
Gilmor, William T., Jersey City, N. J., assignor, by mesne assignments, to Empire State Trust Company, trustee. Bread.....	771,796	Oct. 4	1134	252	112	1201
Gilmore, Alfred C., Chicago, Ill. Telegraphic transmitter.....	774,724	Nov. 8	2302	498 { 499	113	531
Gilmore, Howard, Boston, Mass. Base for incandescent lamps.....	760,065	May 17	2970	620	110	704
Gilmore, Silas J., and W. S. Perry, Burkmore, S. D. Fire-escape.....	764,187	July 5	551	109	111	122
Gilmour, John, Owensboro, Ky. Freight-transfer for warehouses or factories.....	755,478	Mar. 22	4408	977	109	1010
Gilmour, William, and A. Lindsay, Montreal, assignors of one-half to C. A. Myers and H. H. Bradford, Morrisburg, Canada. Tempering or hardening cast-iron.....	755,763	Mar. 29	4989	1110	109	1153
Gilson, George N. (See Hall, James B., assignor.).....						
Gilson, Jewett C., and D. H. Rowe, Oakland, Cal. School-desk or writing-table attachment.....	763,878	June 28	4470	974	110	2468
Gilson, John, Port Washington, Wis. Spring-back chair.....	764,286	July 5	754	154	111	166
Gilson, John, Port Washington, Wis. Adjustment for backs of type-writer or other chairs.....	764,287	July 5	755	154	111	167
Gilson, John, assignor to Gilson Manufacturing Company, Port Washington, Wis. Spring-back chair.....	758,133	Apr. 26	3845	835	109	2220
Gilson Manufacturing Company. (See Bolens and Travers, assignors.).....						
Gilson Manufacturing Company. (See Gilson, John, assignor.).....						
Giltner, Oliver, Portland, Oreg. Ventilating-fan.....	750,450	Jan. 26	3765	818 { 819	108	888
Giltner, Oliver A., Memphis, Tenn. Rope-clamp.....	772,798	Oct. 18	3196	695	112	1666
Gin, Gustave, Paris, France. Electrical manufacture of iron alloys.....	753,855	Mar. 8	3139	297	109	304
Gin, Gustave, Paris, France. Making sulfate of copper.....	763,478	June 28	3706	799	110	2306
Gin, Gustave, Paris, France. Electrolytic manufacture of aluminium.....	763,479	June 28	3707	800	110	2306
Gin, Gustave, Paris, France. Making copper sulfate.....	765,000	July 12	2246	464	111	507
Gin, Gustave, Paris, France. Manufacturing vanadium and its alloys.....	765,001	July 12	2247	464	111	507
Gin, Gustave, Paris, France. Furnace for the manufacture of steel.....	771,872	Oct. 11	1307	295	112	1233
Ginaca, Henry G., and H. O. C. Isenberg, Honolulu, Hawaii. Valve.....	768,042	Aug. 23	3874	811	111	1952
Ginet, François, Chambéry, France. Can-closure.....	769,899	Sept. 13	1446	309	112	343
Gingras, Joseph H. (See Parisien and Gingras.).....						
Gingras, Timothy, Buffalo, N. Y. Belting.....	770,063	Sept. 13	1748	369	112	411
Ginn, George E., Des Moines, Iowa. Cutter.....	773,563	Nov. 1	58	12	113	17
Ginter, Andrew L., Newark, N. J. Composition of matter for cement.....	763,746	June 28	4212	110	2415	
Ginter, Charles E. (See Parker and Ginter.).....						
Gioiosa, Giuseppe, East Boston, Mass. Guide for sewing-machines.....	751,069	Feb. 2	525	122	108	1175
Gioiosa, Giuseppe, East Boston, Mass. Device for feeding sand to railway-tracks.....	776,782	Dec. 6	629	138	113	1565
Gipe, Emanuel C., Chicago, Ill. Store-service apparatus.....	760,735	May 24	4299	913	110	1014
Gipe, Emanuel C., Chicago, Ill. Extensible chain.....	771,873	Oct. 11	1808	225	112	1253
Gipe, Emanuel C., Chicago, Ill. Store-service apparatus.....	775,967	Nov. 29	4941	1044 { 1045	113	1181
Girard, Emile, Marseilles, France. Apparatus for inflating tires.....	773,568	Mar. 1	674	151	109	149
Girardot, Léonce. (See Charron and Girardot.).....						
Giraud, Charles, Bourg, France. Pulley.....	771,006	Sept. 27	3585	755	112	858
Gir, Christian, et al. (See Keller, James C., assignor.).....						
Giriot, Joseph, Jette St. Pierre, Belgium. Machine for welding or forging metallic rings or links.....	775,815	Nov. 22	4618	978	113	1093
Girtanner, Alice. (See Girtanner, Frederick and A.).....						
Girtanner, Frederick, New York, N. Y., assignor to United States Mining & Trading Company. Furnace-grate for smoken's combustion.....	760,444	May 24	3690	781 { 782	110	880
Girtanner, Frederick and A., New York, N. Y., assignors to United States Mining & Trading Co. Smokeless self-cleaning grate.....	757,187	Apr. 12	1951	426	109	1777
Girtanner, Frederick, and S. L. Simpson, assignors to United States Mining and Trading Co., New York, N. Y. Furnace-grate.....	774,663	Nov. 8	2147	470	113	492
Gisevius, Bogdan, Berlin, Germany. Making printing-plates.....	755,225	Mar. 22	3939	872	109	910
Glad, Thomas H., Pittsburg, and W. H. Holla, Philadelphia, Pa., said Glad assignor to said Holla. Vault.....	775,674	Nov. 22	4361	919 { 920	113	1038
Given, William K., Pittsburg, Pa. Post.....	774,355	Nov. 8	1584	339	113	373
Givens, Samuel G., and C. E. Gridley, assignors to Driskill Post Hole Auger Company, Paducah, Ky. Post-hole auger.....	776,903	Dec. 6	883	191	113	1621
Glauding, Charles B., et al. (See Forde, Thomas J., assignor.).....						
Glade, Henry, North Fitzroy, Victoria, Australia. Foot-cycle.....	775,082	Nov. 15	2943	627	113	696
Gladhill, Theodore W., Beardstown, Ill. Attaching means for securing wires to fence-posts.....	768,598	Aug. 30	5071	1064	111	2241
Gladieux, Joseph F., New York, N. Y. Combined support and tone-modulating device for musical instruments.....	774,750	Nov. 15	2372	512	113	565
Glastone, James W. (See Bore, Eben C., assignor.).....						
Gladwell, William H., Kansas City, Mo. Washboard.....	751,282	Feb. 2	953	216	108	1259
Glaessel, Frederick M., Chicago, Ill. Device for removing bottle-stoppers.....	766,612	Aug. 2	975	204	111	1258
Glaflke, Charles E., San Francisco, Cal. Malt-kiln.....	774,915	Nov. 15	2710	381	113	640
Glandt, Claus W., Bennington, Nebr. Hen's nest.....	769,797	Sept. 13	1247	268	112	299
Glanzberg, Ernst, Springfield, Mass. Heating and ventilating apparatus.....	765,423	July 19	3045	637	111	695
Glasby, De Cloise, Minneapolis, Minn. Gas-engine.....	753,876	Mar. 8	1320	297 { 298	109	305
Glascock, Charles O. and J. W., Muncie, Ind. Child's carriage.....	778,485	Dec. 27	4035	873 { 879	113	2345
Glascock, John W. (See Glascock, Charles O. and J. W.).....						
Given, John H. (See Woodard, Alvin N., assignor.).....						
Glasgow, Arthur G. Westminster, England, assignor to United Gas Improvement Company, Philadelphia, Pa. Water-gas generator.....	778,778	Dec. 27	4562	998 { 999	113	2462
Glasrud, Christian G., Sheyenne, N. D. Lubricator.....	758,640	May 3	68	14	110	20
Glass, Perley R., Quincy, assignor to Peerless Machinery Company, Boston, Mass. Eye-letting-machine.....	773,204	Oct. 25	4180	882	112	1928

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Glassbrook, Myron D., Angola, Ind. Horseshoe.....	767,401	Aug. 16	2569	542	111	1645
Glasser, Martin, New York, assignor to J. Kissinger, Stapleton, N. Y. Fruit or vegetable parer.....	759,264	May 10	1409	281	110	342
Glasseford, George W., Cleveland, Ohio. Dust-collector.....	772,507	Oct. 18	2631	578	112	1565
Glassup, Frederick, New York, N. Y. Device for inflating pneumatic tires.....	767,402	Aug. 16	2571	542	111	1645
Glauber, Joseph H., Cleveland, Ohio. Basin-cock fastener.....	753,974	Mar. 8	1522	339	109	351
Glaze, William, Buckingham, Ill. Grain-guide for harvesters.....	749,375	Jan. 12	1636	360	108	405
Glazier, Lyman G., assignor of one-half to T. H. Bambrick, Philadelphia, Pa. Riveting-machine.....	775,215	Nov. 15	3342	713	113	786
Glazier, Peter F., Indianapolis, Ind. Mantle-guard for cocks and faucets.....	748,720	Jan. 5	310	69.70	108	69
Gleason, Henry M., Philadelphia, Pa. Crossing for street-railways.....	778,655	Dec. 27	4350	951	113	2415
Gleason, John C., et al. (See Colthar, William U., assignor.)						
Gleason, John C., assignor of one-half to J. B. Von Schrlitz, Springfield, Ohio. Electric train order and signaling system.....	753,387	Mar. 1	306	68.69	109	69
Gleason, Michael, and J. Rogers, New York, N. Y. Umbrella-runner.....	771,906	Oct. 11	1375	312	112	1266
Gleason, William J., Philadelphia, Pa. Lamp-chimney.....	750,844	Feb. 2	124	23	108	1085
Gleazen, Silas, Fort Collins, Colo. Portable dam.....	771,831	Oct. 11	1186	1265	112	1227
Gleeson, Thomas W., Boston, assignor to A. B. Coffin, Winchester, Mass. Annunciator.....	771,142	Sept. 27	3563	815	112	918
Gleeson, Thomas W., Boston, and R. Hamilton, Milton, Mass. Telephone or telegraph system.....	754,211	Mar. 8	1963	437	109	449
Gleich, Jacob, Columbus, Ohio. Paste-jar.....	778,357	Dec. 27	3762	820	113	2285
Glenecross, Donald, Feabody, Mass. Hide-working machine.....	766,240	Aug. 2	193	38.39	111	1083
Glenninding, Thomas A., New York, N. Y. Temporary binder.....	774,516	Nov. 8	1890	408	113	436
Glenn, Coulter E., Oakmont, Pa. Portable belt-making machinery.....	777,252	Dec. 13	1544	343	113	1785
Glenn, George G., assignor of one-half to W. G. Lumsden, Hamilton, Canada. Tomato-peeling machine.....	767,517	Aug. 16	2809	588	111	1699
Glenn, William, Mount Vernon, Iowa. Voting-machine.....	772,142	Oct. 11	1868	416	112	1375
Glenn, William M. (See Dunlop, Samuel J., assignor.)						
Glessner, Frank. (See Crapp and Finch, assignors.)						
Gley, Richard, assignor to Actien Gesellschaft fur Anilin Fabrikation, Berlin, Germany. Making lakes from sulfur dyes.....	772,931	Oct. 25	3461		112	1763
Glines, Edward, et al. (See Mellett, Lemuel, assignor.)						
Glines, Edward C. (See Savole, Joseph, assignor.)						
Glisson, Lloyd C., Statesboro, Ga. Faucet.....	771,627	Oct. 4	808	179	112	1131
Globe Amusement Company. (See Martin, Louie H., assignor.)						
Globe Automatic Telephone Company et al. (See Lundquist and Erickson, assignors.)						
Globe Automatic Telephone Company. (See Norstrom and Brownrigg, assignors.)						
Globe Cash Register Company. (See Watson and McGraw, assignors.)						
Globe Coal Mfg. Co. (See Carpenter, Charles H., assignor.)						
Globe Electric Company. (See Little, John A., assignor.)						
Globe Fixture & Furniture Company. (See McClure, Alexander W., assignor.)						
Globe Moistening Company. (See Clarkson, Alfred, assignor.)						
Globe Power Company. (See Hoffman, William M., assignor.)						
Globe-Wernicke Company. (See Senze, Liborius, assignor.)						
Glock, Charles A., and J. W. Hawes, Chicago, Ill. Portable door-securer.....	761,955	June 7	677	137	110	1588
Glor, Alvin J., and W. P. West, assignors to themselves and R. M. Glor, Varysburg, N. Y. Overhead track for trolleys.....	764,939	July 12	2147	444	111	487
Glor, Robert M. (See Glor and West, assignors.)						
Glover, Abram, Rifle, Colo. Vaporator.....	766,179	Aug. 2	43	8	111	1051
Glover, Benjamin H., Buffalo, N. Y., assignor to Chicago Fuse Wire and Manufacturing Company, Chicago, Ill. Electric fuse and cut-out.....	776,660	Dec. 6	385	83	113	1513
Glover, Charles. (See Hunter, James, assignor.) (Reissue.)						
Glover, Charles. (See Rapp, Samuel N., assignor.)						
Glover, Charles, New Britain, Conn. Coaster-brake.....	770,460	Sept. 20	2505	532	112	599
Glover, Charles, New Britain, Conn. and H. E. Hubert, Santa Rosa, Cal. Wrench.....	767,403	Aug. 16	2572	542	111	1645
Glover, George H., Sheldon, Iowa. Concrete walk.....	772,932	Oct. 25	3462	750	112	1763
Glover, Herschel, assignor of one-half to T. J. Lyman, Toledo, Mo. Shoulder-protector.....	771,007	Sept. 27	3587	755	112	859
Glover, John W., Marietta, Ga. Grate-bar.....	773,253	Oct. 25	4269	903	112	1949
Glover, Virginia W., Savannah, Ga. Garment.....	776,054	Nov. 29	5107	1080	113	1219
Glück, Josef, New York, N. Y. Hose-coupling.....	751,631	Feb. 9	1570	356	108	1410
Glüss, William. (See Baden and Glüss.)						
Gnatzig, Paul, Sun Prairie, Wis. End-gate for wagons.....	770,572	Sept. 20	2733	578	112	651
Goade, Richard J., Allentown, Pa. Filter.....	748,857	Jan. 5	573	131	108	129
Goble, Judson G. (See Weed, William O., assignor.)						
Goble, William, Monon, Ind. Vegetable-cutter.....	774,065	Nov. 1	1057	226	113	239
Goble, William, Monon, Ind. Vegetable-cutter.....	770,636	Jan. 26	4116	892	108	2615
Goddard, Alvin C., Woodcliff, N. J. Window-sash.....	763,747	June 28	4213	919	110	2410
Goddard, Charles F., Jr., Ancho, N. Mex. Ter. Device for varying reciprocating motion.....	759,265	May 10	1411	282	110	343
Goddard, Frank M., Davenport, Iowa. Cradle.....	756,230	Apr. 5	76	17	109	1359
Goddard, George B., Brockton, Mass. Mallet.....	768,553	June 28	3840	831	110	2384
Goddard, James R. (See Dahill and Goddard.)						
Goddard, Joseph, Rochester, N. Y. Camera-brace.....	774,940	Nov. 15	2761	592	113	652
Goddard, Joseph, assignor to Seneca Camera Company, Rochester, N. Y. Camera.....	775,136	Nov. 15	3158	670	113	744
Goddu, George, Winchester, assignor to United Shoe Machinery Company, Boston, Mass. Machine for making and inserting protectors.....	776,832	Dec. 6	748	163	113	1591
Godt, Albert G., assignor of two-thirds to A. H. Yund, Amsterdam, N. Y. Antifriction crank-handle.....	751,496	Feb. 9	1313	300	108	1356
Godfrey, Alfred, London, England. Apparatus for feeding, wrapping, and packing cigarettes or like soft goods.....	770,427	Sept. 20	2449	519	112	586
Godley, George F., Philadelphia, Pa. Lubricator for journals.....	770,684	Sept. 20	2949	625	112	699
Godley, George F., Philadelphia, Pa. Oiler.....	773,790	Nov. 1	484	106	113	113
Godman, Emory J. (See Niemeyer and Godman.)						
Godman, James H. (See Wooley, Fredrick L., assignor.)						
Goeb, Rudolph W., assignor to Controller Company of America, St. Louis, Mo. Telephone locking mechanism.....	766,241	Aug. 2	196	39	111	1084
Goeb, Rudolph W., assignor to Controller Company of America, St. Louis, Mo. Cold-controlled locking mechanism.....	772,799	Oct. 18	3197	696	112	1686
Goebel, Albert, Camden, N. J. Dental vulcanizer.....	776,833	Dec. 6	755	163	113	1592
Goebel, Albert, Camden, N. J. Safety-valve and blow-off.....	776,834	Dec. 6	757	165	113	1593
Goebel, Fritz. (See Cramer, Anthony F., assignor.)						
Goebel, Fritz, Detroit, Mich. Bottle-washing apparatus.....	763,174	June 21	3093	666	110	2150

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Goede, Johannes H. de, and S. N. Groot, Enkhuizen, Netherlands. Steam-turbine.	732,545	Feb. 16	8318	739	108	1815
Goedecke, Fritz, Teltow, near Berlin, Germany. Device for utilizing the power of undulations of waves of the sea.	773,285	Oct. 25	4332	915	112	1962
Goehring, Charles, Brooklyn, N. Y. Car-fender.	774,983	Nov. 15	2849	608	113	674
Goehring, Charles L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Beveling glass or like substances.	749,551	Jan. 12	2069	430	108	485
Goehring, Charles L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Glass-grinding machine.	762,399	June 14	1508	330	110	1785
Goehring, Charles L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Glass-grinding machine.	762,400	June 14	1514	331	110	1786
Goehring, Charles L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Glass-grinding machine.	775,816	Nov. 22	4620	829	113	1093
Goehring, Charles L., and W. Troche, Akron, Ohio; said Troche assignor to said Goehring. Glass-grinding machine.	778,486	Dec. 27	4037	879	113	2345
Goehst, John H., Chicago, Ill. Electrical illuminating device for show-windows.	753,134	Feb. 23	4488	999	108	2091
Goetz, Charles. (See Fiala and Goetz.)				1000		
Goerlitz, Albert W. (See Volker and Goerlitz.)						
Goerlitz, August. (See Volker and Goerlitz.)						
Goerss, Herman, Cleveland, Ohio. Steering-wheel for automobiles.	761,827	June 7	435	88	110	1536
Goettert, Frederick C., Seattle, Wash. Safety horse-release for vehicles.	763,480	June 28	3710	800	110	2307
Goetz, Charles C., Natchez, Miss. Display-card holder.	778,029	Dec. 20	2120	686	113	2131
Goetz, George, assignor to Streeter-Amet Weighing and Recording Company, Chicago, Ill. Combined weight-indicating and weight-recording scale.	778,358	Dec. 27	8763	820	113	2285
Goetz, George, assignor to Streeter-Amet Weighing and Recording Company, Chicago, Ill. Automatic indicating and recording car-scale.	778,359	Dec. 27	3770	821	113	2288
Goetz, Henri, Frankfort-on-the-Main, Germany. Flask for volatile or other liquids.	750,637	Jan. 26	4117	893	108	960
Goetz, John, Milwaukee, Wis. Threading-lathe tool.	761,472	May 31	5754	1227	110	1349
Goetz, Leander, Hagerstown, Md. Window-screen.	753,294	Mar. 22	4084	301	109	987
Goff, Frank C., Denver, Colo. Heating system.	750,358	Jan. 26	3604	781	108	853
Goff, Thomas E., Whitewright, Tex. Game apparatus.	761,070	Feb. 2	526	122	108	1175
Goforth, Charles F., Wichita, Kans. Ruffler for sewing-machines.	756,787	Apr. 5	1142	252	109	1588
Goge, Max, et al. (See Miller, George, assignor.)						
Gogler, Eduard, Podgorca, near Racow, Austria-Hungary. Making white cement.	774,840	Nov. 15	2560		113	605
Gohsen, Wade C., Leatherwood, Pa. Portable scaffold.	762,304	June 14	1336	286	110	1759
Gohn, Alfred A., Warren, Pa. Gas-mixer.	753,975	Mar. 8	1523	340	109	351
Goings, Elisha R., Clay City, Ill. Evaporator.	750,535	Jan. 26	3954	856	108	935
Golais, Kathryn, New York, N. Y. Corset.	759,566	May 10	1413	282	110	343
Gold, Edward E., New York, N. Y. Hose-coupling.	749,483	Jan. 12	1936	402	108	454
Gold, Edward E., New York, N. Y. Steam-valve for train-pipes.	756,491	Apr. 5	598	129	109	1468
Gold, Edward E., New York, N. Y. Steam-valve for train-pipes.	756,492	Apr. 5	600	129	109	1468
Gold, Egbert H., Chicago, Ill. Expansion-trap.	762,219	Feb. 16	2691	596	108	1676
Gold, Egbert H., Chicago, Ill. Steam-hose coupling.	761,162	May 31	5172	1099	110	1219
Gold, Egbert H., Chicago, Ill. Hose-coupling.	763,175	June 21	3094	666	110	2151
Gold, Egbert H., Chicago, Ill. Adjustable low-pressure heating system.	771,628	Oct. 4	804	180	112	1131
Gold, Egbert H., Shelby, Ind. Low-pressure heating system.	758,436	Apr. 26	4451	957	109	2354
Gold, Egbert H., Shelby, Ind. Automatic supply-regulator.	758,437	Apr. 26	4455	958	109	2355
Gold, Egbert H., Shelby, Ind. Car-heating system. (Reissue)	12,294	May 24	4961	1051	110	1155
Gold, Egbert H., Shelby, Ind. Automatic device for low-pressure heating.	768,019	Aug. 16	3827	800	111	1923
Gold, Egbert H., Shelby, Ind. Attachment for car-heating systems.	768,020	Aug. 16	3830	801	111	1923
Gold, Egbert H., Shelby, Ind. Car-heating apparatus.	771,777	Oct. 4	1089	244	112	1192
Gold, George J. V., London, and L. Schwabe, Hemel Hempstead, England. Means for securing documents for postal or like transmission.	760,687	May 24	4190	890	110	991
Gold, John. (See Breyer, Herman, assignor.)						
Gold, Martin D., Amherst, Mass. Lamp-shade holder.	750,963	Feb. 2	343	81	108	1134
Goldan, Sydney O., New York, N. Y. Inhaler.	756,354	Apr. 5	328	68	109	1414
Goldberg, Harris, Chicago, Ill. Flat-iron.	769,311	Sept. 6	356	81	112	77
Goldberg, Hyman E., Chicago, Ill. Calculating-machine.	765,774	July 26	3775	803	111	861
Goldberg, John S., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Switching apparatus.	750,845	Feb. 2	125	29	108	1085
Goldberger, Leopold, assignor of one-half to M. Shoolman, Boston, Mass. Combined belt-cutter, punch, and link-clencher.	775,419	Nov. 22	3810	806	113	919
Golden, John P., Columbus, Ga. Canemill.	778,410	Dec. 27	3879	845	113	2313
Goldie, George S., Manitowoc, Wis. Non-refillable bottle.	774,066	Nov. 1	1059	227	113	259
Goldie, William, Wilkinsburg, Pa. Railway-track.	758,523	Apr. 26	4616	994	109	2392
Goldie, William, Wilkinsburg, Pa. Forming railway-tracks.	758,524	Apr. 26	4618	995	109	2392
Goldie, William, Wilkinsburg, Pa. Apparatus for forming seats in railway-ties.	758,525	Apr. 26	4621	996	109	2393
Goldie, William, Wilkinsburg, Pa. Rail-joint bridge-piece.	758,526	Apr. 26	4624	996	109	2393
Golding, John F., New York, N. Y. Bar for strengthening cement floors or concrete.	758,061	Apr. 26	3716	807	109	2190
Golding, John F., New York, N. Y. Bar slitting and stretching machine.	766,180	Aug. 2	45	8, 9	111	1051
Golding, John F., New York, N. Y. Metal slitting and stretching machine.	766,181	Aug. 2	48	9	111	1052
Golding, John M., Washington, D. C. Electrical signal apparatus.	751,788	Feb. 9	1856	422	108	1470
Golding, William H., Boston, Mass. Plate holder and adjuster.	758,242	Apr. 26	4046	879	109	2263
Goldman, Eugene. (See Vogel, Otto, assignor.)						
Goldman, Gustav, Baltimore, Md. Mating or felting fibers together.	758,243	Apr. 26	4048		109	2263
Goldman, Gustav, Baltimore, Md. Felting or matting fibers together.	758,244	Apr. 26	4052		109	2264
Goldman, Gustav, Baltimore, Md. Felting or matting fibers together.	758,245	Apr. 26	4055		109	2265
Goldman, Gustav, Baltimore, Md. Felting or matting fibers together.	758,246	Apr. 26	4057		109	2266
Goldman, Gustav, Baltimore, Md. Felting or matting fibers together.	758,247	Apr. 26	4058		109	2266
Goldman, Gustav, Baltimore, Md. Felting or matting fibers together.	758,311	Apr. 26	4209		109	2301
Goldman, Gustav, Baltimore, Md. Making fibrous pads or batting.	758,599	Aug. 30	5072		111	2241
Goldman, Gustav, Baltimore, Md. Coat-pad.	777,625	Dec. 13	3287	502	113	1945
Goldman, Isaac S., assignor of one-half to S. L. Kistler, Los Angeles, Cal. Triturator.	774,067	Nov. 1	1060	227	113	239

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Goldsborough, Richard H., Washington, D. C. Turbine	764,887	July 12	2024	417 418	111	459
Goldschmidt, Jacob E. (See Dicke, Hugo, assignor.)						
Goldschmidt, Robert, Tajkovitz, and J. Hasek, Smichov, Austria-Hungary. Manufacture of starch	755,479	Mar. 22	4410	1229	109	1010
Goldschmidt, Byron B., New York, N. Y. Finger-hold for penholders	768,985	Aug. 30	5851	1229	111	2415
Goldschmidt, Byron B., New York, N. Y. Finger-hold for penholders	770,363	Sept. 20	2244	493	112	565
Goldschmidt, Byron B., New York, N. Y. Finishing patent-leather	772,938	Oct. 25	3463		112	1763
Goldschmidt & Co., Charles P. (See Fischer, Robert, assignor.)						
Goldschmidt, David, Newark, N. J. Machine for finishing varnished surfaces or the like	771,544	Oct. 4	651	145	112	1097
Goldschmidt, Edwin M., Philadelphia, Pa. Pencil-sharpener, &c.	755,480	Mar. 22	4411	977	109	1010
Goldschmidt, Edwin M., Philadelphia, Pa. Soap and soap-holder	757,397	Apr. 12	2371	516	109	1862
Goldschmidt, Elias, Norfolk, Va. assignor of one-half to O. Andreas, Jr., New York, N. Y. Fabric-smoothing attachment for looms	765,237	July 19	2675	556	111	615
Goldschmidt, Elias, Norfolk, Va., assignor of two-thirds to J. R. Whitley and J. P. Williams. Loom-picker	751,497	Feb. 9	1315	301	108	1357
Goldschmidt, Julius, Eugene, Oreg. Plug-tobacco puller	751,848	Feb. 9	1983	451	108	1498
Goldschmidt, Maggie, San Francisco, Cal. Curtain or drapery protector	751,293	May 31	5428	1153	110	1273
Goldschmidt, Marcus T., New York, N. Y. Mirror	760,981	May 24	4776	1016	110	1116
Goldschmidt, Samuel J., Chicago, Ill. Skirt-banger	754,763	Mar. 15	3098	677	109	712
Goldschmidt, William T., Washington, D. C. Bottle-stopper and dropper	766,688	Aug. 2	1136	236	111	1294
Goldstein, Albert, New York, N. Y., and H. E. Rice, Philadelphia, Pa. Thermostat	778,779	Dec. 27	4563	999	113	2462
Goldstein, Isaac, Boston, Mass. Slicer for bread, &c.	775,601	Nov. 22	4208	886	113	1005
Goldstein, Joseph, New York, N. Y. Stove	774,008	Nov. 1	1062	227	113	240
Goldthwait, William A., Melrose Park, Ill. Valve for automatic fire-extinguishers	752,969	Feb. 23	4196	935	108	2026
Goiatsch & Cie., Metallwaarenfabrik, G. (See Rossbach-Rousset, Fritz, assignor.)						
Golland, Henry S., Worsley, England. Spinning-mule	750,026	Jan. 19	2988	639 640	108	700
Golland, Henry S., Worsley, England. Yarn-winding machine	750,964	Feb. 2	344	82	108	1134
Golkie, Stanley, Jersey City, N. J. Fireproof covering for columns or pillars	775,562	Nov. 22	4181	868	113	988
Gomer, Alva, assignor of two-thirds to W. G. Wheeler and J. Thompson, Denver, Colo. Car-coupling	776,904	Dec. 6	885	191	113	1622
Gompf, Frank, Logan, Ohio. Plant-support	759,695	May 10	2240	462	110	533
Gonder, Charles N., et al. (See Karcher, Otto, assignor.)						
Gonne, William H., Chatham, Canada. Check-in-hook	773,141	Oct. 25	4027	854	112	1894
Gonzales, Albert. (See Troutman and Gonzales.)						
Gonzenbach, Charles A., New York, N. Y. Needle-inserter for embroidering-machines	764,119	July 5	417	81	111	91
Gonzenbach, Ernest, Milwaukee, Wis. Automatic stop-valve	756,845	Apr. 12	1258	280	109	1629
Gooch, James W., Shive, Tex. Cotton-cleaner and gin-feeder	763,748	June 23	4214	919	110	2415
Good, Herbert F., Philadelphia, Pa. Door-retainer	771,726	Oct. 4	986	220	112	1170
Good, John, Far Rockaway, N. Y. assignor to John Good Cordage Co. Rope-machine	776,599	Dec. 6	67	16, 17	113	1439
Good, Nelson H. (See Cross, William A., assignor.)						
Good, Robert, Jr., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Machinery for the manufacture of glassware	767,811	Aug. 16	3360	711 712 713	111	1823
Good, Robert, Jr., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Machinery for manufacturing glassware	767,935	Aug. 16	3606	764 765	111	1874
Good, Robert J., and G. E. Hall, Canton, Ohio. Mine-curtain	769,215	Sept. 6	144	35, 36	112	32
Good, Thomas L., Edwardsville, assignor of six-sevenths to C. E. Larmer, A. Fredrickson, B. E., and C. Larmer, and W. Hayes, Alton, Ill. Lawn-swing	770,002	Sept. 19	1654	351	112	391
Goodale, John C., Jr., Kalamaazoo, Mich. Register mechanism for gas-meters	761,163	May 31	5173	1099	110	1230
Goodale, Thomas, Wadena, Minn. Pneumatic straw-stacker	757,188	Apr. 12	1952	426	109	1777
Goodall, George B., et al. (See Spence, Harry, assignor.)						
Goodall, Howard W., Philadelphia, Pa., assignor to Mulconroy Company. Rod-packing	756,621	Apr. 5	816	176	109	1515
Goodall, Louis B., et al. (See Spence, Harry, assignor.)						
Goodell, William, San Bernardino, Cal. Sash-fastener	766,680	Aug. 2	1138	236	111	1294
Goodchild, William, Philadelphia, Pa. Lock for milk-receptacles	775,397	Nov. 22	3761	795	113	907
Goode, Frank R., Decatur, assignor of one-half to W. B. Sparks, Clinton, Ill. Draft-equalizer	752,835	Feb. 23	3898	874	108	1957
Goodell, Clarence M. (See Waddell, Thomas J., assignor.)						
Goodell, Henry E., assignor to Goodell Manufacturing Company, Greenfield, Mass. Miter-box	751,908	Feb. 9	2099	474 475	108	1526
Goodell Manufacturing Company. (See Goodell, Henry E., assignor.)						
Goodell, Oliver D., Baltimore, Md. Insecticide compound	765,481	June 28	3712		110	2307
Goodenow, Frederick E. H., St. Louis, Mo. Piano-tuning hammer	768,447	Aug. 23	4735	998	111	2150
Goodfellow, Joseph. (See Chapman, Charles E., assignor.)						
Goodhue, James E., St. Charles, Ill. Corn-husking machine	762,523	June 14	1793	384 385	110	1847
Goodline, George, Philadelphia, Pa., assignor to Crompton-Thayer Loom Company, Worcester, Mass. Stop-motion for looms	777,089	Dec. 13	1253	276	113	1723
Goodman, Henry E., et al. (See Cooke, Daniel J., assignor.)						
Goodman, Henry E., Dulles Lake, assignor of two-thirds to J. White and D. J. Cooke, Paterson, N. J. Shutter-fastener	761,473	May 31	5755	1227	110	1349
Goodman, Isaac H., Philadelphia, Pa. Fiber strip	765,238	July 19	2677		111	616
Goodman, Job C., and F. J. Wurtele, Evanston, Wyo. Book-carriage	753,464	Mar. 1	490	115	109	108
Goodman Manufacturing Company. (See Davis, Charles E., assignor.)						
Goodrich, Fred, assignor to Taplin Manufacturing Company, New Britain, Conn. Bottle stopper and opener	757,548	Apr. 19	2687	588	109	1946
Goodrich, Howard F., Haverhill, Mass. Foot or last measure	766,499	Nov. 8	2002	436	113	461
Goodrich, Melville F., Newton, Mass. Electric arc lamp	768,745	Aug. 30	5364	1129	111	2304
Goodrich, Wilson L., New Haven, Conn. Horseshoe-calk	766,499	Aug. 2	733	153	111	1201
Goodridge, Gilbert W., assignor to Bryant Electric Company, Bridgeport, Conn. Electrical plug and receptacle	754,863	Mar. 15	3299	719	109	756
Goodridge, James F., Boston, Mass. Water-bottle	753,063	Feb. 23	4369	973	108	2065
Goodrum, Charles L. (See Lattig and Goodrum.)						
Goodsell, Harry H., Leechburg, Pa. Treating sheet iron or steel	774,069	Nov. 1	1063	228	113	240
Goodson, George A., Providence, R. I. Type casting and setting machine	765,775	July 26	3789	806 807	111	864
Goodspeed, Charles P., Salt Lake City, Utah. Car-ventilator	759,877	May 17	2608	546	110	621
Goodwin, Adam M., assignor, by mesne assignments, to Goodwin Company, Pittsburg, Pa. Temperature-regulating apparatus	752,768	Feb. 23	3760	889	108	1928
Goodwin, Benjamin A., Lathrop, Cal. Leveling instrument	761,219	May 31	5329	1119	110	1240

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Goodwin Company. (See Goodwin, Adam M., assignor.)						
Goodwin, Frank T., assignor to D. J. Archer, Toronto, Canada. Burner for crude oil.	768,798	Aug. 30	5461	1150	111	2326
Goodwin, Hannibal, deceased, Newark, N. J.; R. Goodwin, executrix. Camera.	761,474	May 31	5562	1228	110	1349
Goodwin, Hannibal, deceased, Newark, N. J.; R. Goodwin, executrix. Camera.	764,288	July 5	756	155	111	167
Goodwin, Harry E., Indianapolis, Ind. Machine for molding building-blocks.	771,143	Sept. 27	3864	815 816	112	918
Goodwin, Harry L., assignor of one-half to C. N. Lavery, Kansas City, Mo. Telephone-receiver support.	754,556	Mar. 15	2702	587 1207	109	625
Goodwin, Lyman O., assignor to Davis & Furber Machine Company, North Andover, Mass. Machine for winding yarn.	756,014	Mar. 29	5472	1207 1208	109	1264
Goodwin, Rebecca, executrix. (See Goodwin, Hannibal.)						
Goodwin, Robert, Jr., Redfield, Iowa. Steam drying and heating system.	765,476	July 19	3172	663	111	722
Goodwin, Warren L., Atlanta, Ga. Churn.	758,641	May 3	70	14	110	20
Goodyear, A. Lincoln, administrator. (See Goodyear, Robert B.)						
Goodyear, Charles E., Bethel, Ohio. Elliptic spring.	770,496	Sept. 20	2593	549	112	619
Goodyear, Nelson. (See Earle and Goodyear.)						
Goodyear, Nelson, Flushing, assignor to J. B. Colt Company, New York, N. Y. Gasometer.	759,366	May 10	1624	328	110	388
Goodyear, Nelson, assignor to J. B. Colt Company, New York, N. Y. Acetylene-gas generator.	764,048	July 5	267	50	111	61
Goodyear, Robert B., deceased, Philadelphia, (A. L. Goodyear, administrator,) assignor of one-half to T. M. Lord, Garrettford, Pa. Shuttle-box-actuating mechanism.	775,169	Nov. 15	3226	690	113	760
Goodyear Tire & Rubber Company. (See Fitter, Harry G., assignor.)						
Goodyear, William E., London, England, assignor to Willcox and Gibbs Sewing Machine Company, New York, N. Y. Buttonhole-sewing machine.	749,437	Jan. 12	1817	381 382	108	430
Goodyear's India Rubber Manufacturing Co. (See Eggers, Anton C., assignor.)						
Goodyear's India Rubber Glove Mfg. Co. (See Eggers and Stahl, assignors.)						
Gooing, Martin B., assignor of one-half to J. B. Francois, French Village, Ill. Two-row planter.	775,083	Nov. 15	2944	627 628	113	696
Gould, Henry T. (See Walsh, John R., assignor.)						
Gourd, Charles G., Brighton, England. Rail and conductor point operating mechanism.	748,721	Jan. 5	311	70	108	69
Gord, Charles G., Brighton, England. Overhead-conductor-point-operating mechanism.	765,136	July 12	2495	521 522	111	558
Goos, Louis, Jr., Atlantic City, N. J. Steam-engine.	757,452	Apr. 19	2477	542	109	1902
Goosmann, Justus C., Chicago, Ill. Refrigerating-machine.	757,297	Apr. 12	2157	473	109	1819
Gordejeff, Grigory, St. Petersburg, Russia. Apparatus for the production of heat by burning liquid fuel.	764,718	July 12	1693	346	111	386
Gordon, A. R., et al. (See Wilson and Dull, assignors.)						
Gordon, Albert A., Jr., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Shuttle-box motion for looms.	764,888	July 12	2028	418 419	111	460
Gordon, Alexander D., Buffalo, N. Y. Water-heater.	765,338	July 19	2883	602	111	661
Gordon, Arthur R., et al. (See Green, John D., assignor.)						
Gordon, David A. (See O'Neill, Frank, assignor.)						
Gordon, Douglas, Worcester, Mass., assignor to Marcus Mason & Company, New York, N. Y. Coffee drier.	770,280	Sept. 20	2183	455	112	527
Gordon, Duncan, Dallas, Tex. Planting attachment for plows.	768,986	Aug. 30	5852	1229	111	2415
Gordon, Elonso J., Greenville, Mich. Blast-pipe for boiler-furnaces.	771,304	Oct. 4	165	36	112	996
Gordon, Frederick W., Auckland, New Zealand. Wash hand-basin.	759,696	May 10	2240	462	110	523
Gordon, George W., assignor of two-fifths to H. Arzt and J. Sostman, Philadelphia, Pa. Preserving wood.	751,981	Feb. 9	2272		108	1562
Gordon, Horace S., Dayton, Ohio. Machine for feeding candy.	767,930	Aug. 16	3618	765 766	111	1876
Gordon, James P., Florence, Colo. Excavating-machine.	768,362	Aug. 23	4536	954 955	111	2099
Gordon, John. (See Crawford and Gordon.)						
Gordon, Max L., assignor of one-half to C. E. Packman, Los Angeles, Cal. Sash-fastener.	763,879	June 28	4471	974	110	2469
Gordon, Millicent, West Kensington, London, England. Hat-fastener.	752,268	Feb. 16	2832	628	108	1768
Gordon, Stephen M., Brooklyn, N. Y. Dress-suit case, hand-bag, &c.	766,242	Aug. 2	200	39, 40	111	1085
Gordon, William G. (See James, Edward, assignor.)						
Gordon, William H., Portland, Oreg. Miter-box.	760,982	May 24	4777	1016 1017	110	1116
Gordon, William H., Fall River, Mass. Clearer for ring-spinning frames.	762,163	June 7	1044	219	110	1665
Gore, Willis K., Chicago, Ill. Tile for wall-finish.	756,622	Apr. 5	817	176	109	1515
Goreau, Thomas W., New Orleans, La. Filter.	767,560	Aug. 16	2894	605	111	1719
Gorham Manufacturing Company. (See Hansen, Charles E., assignor.)						
Gorick, Charles. (See Stutchbury and Gorick.)						
Gorin, Fred P., Chicago, Ill. Chronological monitor for use with coin-controlled or other machines.	766,995	Aug. 9	1779	373	111	1456
Gorman, Frank, Cleveland, Ohio. Furnace.	753,793	Mar. 1	1147	358 259	109	247
Gorman, Mary C. (See Lawson, Robert R., assignor.)						
Gorman, Thomas F., and W. L. Riley, St. Paul, Minn. Elevating-truck.	761,220	May 31	5271	1119 1120	110	1240
Gorman, Thomas J., San Francisco, Cal. Tool-holding attachment.	759,434	May 10	1745	353	110	415
Gormley, James C. (See Tafel, Edward F., assignor.)						
Gormly & Co., Robert W. (See Gormly, David K., assignor.)						
Gormly, David K., assignor to R. W. Gormly & Co., Troy, N. Y. Support for take-up mechanisms of two-cylinder knitting-machines.	764,579	July 12	1399	285 286	111	322
Gormly, Robert W., Troy, N. Y. Bur-wheel support for knitting-machines.	752,666	Feb. 23	3580	798	108	1888
Gormly, Robert W., Troy, N. Y. Thread-guide for circular-knitting machines.	764,578	July 12	1397	285	111	322
Gormly, Robert W., Troy, N. Y. Bur-wheel.	776,388	Dec. 6	229	33	113	1482
Gorton, Adelos, Philadelphia, Pa. Spool-holder for sewing-machines.	756,163	Mar. 29	5733	1266	109	1319
Gorton, John C. (See Carney and Gorton.)						
Gorton, John C., et al. (See Zilles, Leslie F., assignor.)						
Gorton, Robert. (See Kelley, Arthur F., assignor.)						
Gorton, Robert, Newton, Mass. Garment-supporter.	761,956	June 7	678	137	110	1588
Gorton, Robert, Newton, Mass. Paper-clip.	764,719	July 12	1695	347	111	386
Gorton, Robert, Newton, assignor of one-half to A. F. Kelley, Worcester, Mass. Paper-clip.	761,631	May 31	6041	1296	110	1412
Gorton, William S., Cleveland, Ohio. Machine for making metallic wheel-rims.	751,166	Feb. 9	111	163	108	1210
Gosett, Allen D., Krum, Tex. Horseshoe.	751,498	Feb. 9	716	301	108	1357
Goss, Charles E. (See Goss, George W., and C. E.)						
Goss, Charles E. and G. W. Edith, Tex. Incubator.	774,070	Nov. 1	1065	228	113	240
Goss, Charles O. (See Salisbury, Wilbur A., assignor.)						
Goss, Edward O., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cartridge-clip.	770,497	Sept. 20	2594	549	112	619

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Goss, George F. (See Plympton, Washington F., assignor.)						
Goss, George W. (See Goss, Charles E. and G. W.)						
Goss, George W. and C. E. Baltimore, assignors to Roderick Lean Manufacturing Com- pany, Mansfield, Ohio. Cultivator	757,398	Apr. 12	2373	1516	109	1863
Goss, Milford T., Denver, Colo. Water-tube boiler	774,419	Nov. 8	1693	362	113	396
Goss, William C., Omaha, Neb. Book-leaf fastener	753,976	Mar. 8	1324	340	109	352
Gossard, John A., Jr., South Solon, Ohio. Rail-joint fastener	774,581	Nov. 8	2005	436	113	462
Gossett, Alonzo R., and B. R. Hicks, Henrietta, N. C. Let-off for looms	767,937	Aug. 16	3621	766	111	1876
Gossett, William, Falls City, Nebr. Brake for cars	757,910	Apr. 19	3594	795	109	2102
Gossling, Arthur H., et al. (See Bell, Benjamin F., assignor.)						
Goth, Thomas R., San Francisco, Cal. Centrifugal pump	750,846	Feb. 2	128	39,30	108	1086
Goth, Thomas R., San Francisco, Cal. Centrifugal pump	776,835	Dec. 6	758	165	113	1593
Gotsche, Frank H., San Francisco, Cal. Tent	758,642	May 8	71	15	110	20
Gottlieb, Ernst H. H., Magdeburg, Germany. Paddle-wheel for vessels	754,991	Mar. 22	3531	773	109	822
Gottschalk, Albert, New York, N. Y. Air-brake-operating valve	777,340	Dec. 13	1718	1380	113	1823
Gottshalk, John B., assignor to J. Orr, Philadelphia, Pa. Expansion-bolt	754,764	Mar. 15	3099	367	109	712
Gough, Richard A. D. (See Templeman and Gough.)						
Goughenour, Levi D., and J. A. Marx, Braddock, Pa.; said Goughenour assignor to said Marx. Hose coupling and shut-off	751,391	Feb. 2	1140	259	108	1300
Gould, Aaron P., Canton, Ohio. Surgical chair	751,167	Feb. 2	713	163	108	1210
Gould, Charles M. (See Richards, Willard F., assignor.)						
Gould, Charles M. (See Shedd, Marcellus R., assignor.)						
Gould, Charles M. (See Turbayne, William A., assignor.)						
Gould Coupler Company. (See Richards, Willard F., assignor.)						
Gould, Earl E., Chicago, Ill. Windmill	776,019	Nov. 29	5047	1065	113	1206
Gould, Edwin J., and E. Bow, Boulder, Colo. Seed-planter	771,060	Sept. 27	3699	780	112	880
Gould, Frank C. (See Beach and Gould.)						
Gould, Glen M. (See Walker, Mottern, and Gould.)						
Gould, James A., Yohogany, Pa. Wheel-hub	765,575	July 19	3347	703	111	759
Gould, John D. (See Levy, Max J., assignor.)						
Gould, John D., New York, N. Y. Thermostat	771,144	Sept. 27	3867	816	112	918
Gould, John F., Port Richmond, assignor to Muralo Company, New Brighton, N. Y. De- vice or means for advertising and exhibiting paints, wall-finishes, or the like	757,549	Apr. 19	2687	588	109	1947
Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)						
Gould, Walter E., assignor of two-thirds to H. M. Kipp and E. Frohlich, Detroit, Mich. Device for clamping together show-case or other glass	773,731	Nov. 1	377	83	113	89
Gould, Wilbur S., Deepriver, assignor of one-half to F. W. Harwood, Cedar Rapids, Iowa. Renovating cream	761,957	June 7	680		110	1588
Gould, William F., Des Moines, Iowa. Railway-tie plate	777,253	Dec. 13	1546	1343	113	1785
Gould, William H., Newton, Mass. Thread-unwinder	764,235	July 5	666	135	111	148
Goulet, Louis, et al. (See Lamoureux, Edmond, assignor.)						
Goundry, John B., assignor of one-half to H. I. Post and F. W. Nelthorp, Belleville, Mich. Fence-post	758,591	Apr. 26	4753	1024	109	2422
Gove, Charles W., Manchester, N. H. Apparatus for handling tubular fabric	769,648	Sept. 6	967	210	112	220
Gowen, Fred, Peabody, Kans. Nail-te	764,940	July 12	2148	445	111	488
Gower, Charles, Lansing, Mich. Trolley-track	776,836	Dec. 6	760	165	113	1593
Gowin, William, Dexter, Iowa. Automatic furnace-door opener	767,561	Aug. 16	2896	606	111	1720
Goyer, George A., and E. Laughton, Adelaide, South Australia, Australia. Effecting the separation of minerals	763,749	June 28	4216	919	110	2416
Goynne, Charles A., assignor of three-fourths to Goynne Steam Pump Co., Ashland, Pa.	776,318	Nov. 29	5594	1185	113	3030
Goynne Steam Pump Co. (See Goynne, Charles A., assignor.)						
Gra, Hernando B., assignor to Gra and Laysaht, Alleyton, Tex. Umbrella and sunshade.	753,877	Mar. 8	1324	298	109	305
Gra and Laysaht. (See Gra, Hernando B., assignor.)						
Grab-Boll Cotton Cleaner & Machinery Co. (See Gardner, Eli J., assignor.)						
Grabau, Hans B., Hoboken, N. J. Machine for beating leaf metal	777,696	Dec. 13	2289	503	113	1945
Grabe, Conrad, Solitt, Ill. Plow or cultivator clamp	772,613	Oct. 18	2824	620	112	1607
Grabner, Jacob, Delevan, and G. P. Kahler, Armstrong, Ill. Drag for wagons	776,510	Dec. 6	69	17	113	1440
Grabner, Peter, Cleveland, Ohio. Truck	759,985	May 17	2821	590	110	670
Grabner, Charles A., Warsaw, Ind. Exercising apparatus	754,992	Mar. 22	3532	774	109	823
Grabowski, John. (See Sipe and Grabowski.)						
Grabs, Virgil T., King, N. C. Sectional or knockdown kitchen-safe	756,355	Apr. 5	329	68	109	1414
Grace, Ethel W., Sapulpa, Ind. Ter. Bluing gage and mixer for washing-machines	750,185	Jan. 19	3275	706	108	739
Gracey, Charles B., Coraopolis, assignor of one-half to W. T. Tredway, Pittsburg, Pa. Ratchet-wrench	768,220	Aug. 23	4268	898	111	2041
Graden, John T., Oxford, England. Suspender for trousers	766,342	Aug. 2	407	86	111	1130
Grady, Patrick H. (See Hogan and Grady.)						
Grady, William, et al. (See Ziebell, Robert, assignor.)						
Graeber, Charles F., Lytton, Iowa. Rat-trap	767,220	Aug. 9	2240	466	111	1555
Graef Hat-Band Mfg. Co. (See Vonderheyden, Ernest, assignor.)						
Graessle, Lizzie C., San Jose, Cal. Combined table and bed	754,212	Mar. 8	1973	438	109	450
Graf, Henri, Zurich, Switzerland. Machine for making shavings from steel wires or steel bands	761,585	May 31	5949	1276	110	1392
Graf, Henry B. (See Young, Graf, and Shupert.)						
Graf, Martin, Tuckahoe, N. Y. Camera-support	768,987	Aug. 30	5854	1229	111	2415
Graf, Robert R., assignor of two-thirds to W. B. Krause and Potthast Brothers, Balti- more, Md. Refrigerator	757,911	Apr. 19	3395	736	109	2108
Graff, Jacob, New York, N. Y. Bevel and square	753,064	Feb. 23	4371	973	108	2066
Graffius, Edward. (See Lahey and Graffius.)						
Graffius, Miller, Alexandria, Pa. Nut-lock	778,030	Dec. 20	3121	696	113	2131
Grafflin, John L. (See Matlocks and Grafflin.)						
Graft, John C., East Orange, N. J. Manufacturing attrition-disks and the product thereof	750,639	Jan. 26	4120	894	108	960
Grafton, Walter P., Old Charlton, England. Machine for producing crimped or corrug- ated metal strips	767,883	Aug. 16	3509	1743	111	1853
Graham, Alfred, London, England. Telephonic apparatus	759,697	May 10	2241	462	110	523
Graham, Alfred B., Grotton, S. D., assignor of one-half to C. Voy. Storm-sash and screen fastener	773,791	Nov. 1	485	106	113	112
Graham, Alvaro B., Chicago, Ill., assignor to Graham Press Feeding Company. Sheet- delivery mechanism	761,669	June 7	83	14, 15	110	1456

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Graham, David L., Wilkesburg, Pa. Propelling mechanism.....	750,638	Jan. 26	4119	893	108	960
Graham, Edinburgh, Orangeburg, S. C. Trousers creaser and presser.....	750,186	Jan. 19	3376	706	108	760
Graham, Edinburgh, Orangeburg, S. C. Trousers-press.....	760,194	May 17	3235	678	110	761
Graham, Edward. (See Strange and Graham.)						
Graham, George A., et al. (See Widdicombe, James H., assignor.)						
Graham, George M., Chicago, Ill. Concrete-molding apparatus.....	760,446	May 24	3694	782 783	110	883
Graham, George M., Chicago, Ill., assignor to Inland Steel Company. Molding apparatus for concrete fence-posts.....	760,445	May 24	3692	782	110	881
Graham, Hedley C. W., Rochester, N. Y. Signaling and operating system.....	758,527	Apr. 26	4626	996	109	2393
Graham, James H., and E. M. Foster, Seattle, Wash. Air-brake.....	762,995	June 21	2730	592	110	2071
Graham, Joel C., Marcellus, Ill. Assignor to Howe and Davidson Company, East Orange, N. J. Sector-shaped carton.....	756,494	Apr. 5	403	130	109	1469
Graham, John, Philadelphia, Pa. Hydrocarbon-burner.....	756,493	Apr. 5	602	130	109	1469
Graham, John, Philadelphia, Pa. Package-closure.....	769,132	Aug. 30	6142	1284	111	2478
Graham, John A., McRae, Ga. Fence.....	765,729	July 26	3681	785	111	842
Graham, John H., Boston, assignor to B. P. Gray, Newton, Mass. Brake-head for car-brakes.....	758,176	Apr. 26	3922	851 852	109	2237
Graham, John H., Boston, assignor to B. P. Gray, Newton, Mass. Railway-brake.....	758,177	Apr. 26	3924	852	109	2238
Graham, John H., Boston, Mass., assignor to Lever Suspension Brake Company. Spring mechanism for draft-rigging for cars.....	775,216	Nov. 15	3344	713	113	786
Graham, John H., Boston, Mass., assignor to Lever Suspension Brake Company. Car construction.....	775,217	Nov. 15	3346	713 714	113	787
Graham, John H., Boston, Mass., assignor to Lever Suspension Brake Company. Car-truck.....	775,271	Nov. 15	3381	735	113	826
Graham, Josephine M., Philadelphia, Pa. Canopy-holder for bedsteads.....	759,698	May 10	2247	465	110	524
Graham, Levi P., Decatur, Ill. Corn-planter.....	751,632	Feb. 9	1571	357	108	1411
Graham, Levi P., Decatur, Ill. Corn-planter.....	751,633	Feb. 9	1573	357	108	1411
Graham, Levi P., Decatur, Ill. Mechanical sorter for seed-corn.....	755,594	Mar. 22	4610	1024	109	1055
Graham, Levi P., Decatur, Ill. Corn-planter.....	757,399	Apr. 12	2376	517	109	1864
Graham, Levi P., Decatur, Ill. Seed-corn sorter.....	759,611	May 10	2473	517	110	574
Graham, Levi P., Decatur, Ill. Seed-corn sorter.....	761,373	May 31	5583	1190	110	1310
Graham, Levi P., Decatur, Ill. Corn-planter.....	764,455	July 5	1114	226	111	246
Graham, Levi P., Decatur, Ill. Corn-planter.....	771,778	Oct. 4	1091	245	112	1192
Graham Lumber Company. (See Custer, Joseph M., assignor.)						
Graham, Muckersie G., Ottumwa, assignor of one-half to W. M. Black, Des Moines, Iowa. Cultivator.....	774,319	Nov. 8	1514	324 325	113	357
Graham Press Feeding Company. (See Graham, Alvaro B., assignor.)						
Graham, Robert N., St. Louis, Mo. Rivet-holder.....	765,002	July 12	2249	464	111	507
Graham, Robert S., New York, assignor to W. M. Perkins, Brooklyn, N. Y. Vehicle-tire.....	775,722	Nov. 15	3484	735	113	826
Graham, Thomas F., Chicago, Ill. Meat-tray for butchers.....	759,099	May 8	1009	205	110	229
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Drive-gear for corn-planters.....	755,595	Mar. 22	4612	1025	109	1056
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Lock-lever machine.....	778,185	Dec. 20	3419	751	113	2194
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Seeding-machine.....	778,860	Dec. 27	3780	824	113	2290
Graichen, William C., Winchester, Va. Glove-gauntlet.....	752,769	Feb. 3	3762	839	108	1929
Graif, Henry M. (See Norstrom and Graif.)						
Gramling, Oscar C., Hanson, Fla. Bean-huller.....	754,993	Mar. 22	3533	774	109	323
Gramm, Carl, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to H. Edmunds, London. Apparatus for the manufacture of slag cement.....	757,035	Apr. 12	1659	359	109	1711
Grammont, Alexandre, Pont de Chervy, France. Electrogoniometer.....	756,846	Apr. 12	1261	280 281	109	1629
Granada, Jacques H. de, and R. Keene, New York, N. Y. Nail-puller.....	754,202	Mar. 8	1932	430	109	442
Granberg, Ole, Blair, Wis. Metallic railway-tie and rail-fastener.....	749,817	Jan. 19	2583	550	108	612
Granberg, Ole, Blair, Wis. Circular saw.....	754,134	Mar. 8	1819	405	109	418
Granberg, Ole, Blair, Wis. Rail-fastening device.....	762,703	June 14	2163	470 471	110	1926
Grand Detour Plow Company. (See Ruef, Charles S., assignor.)						
Grand Rapids Brass Company. (See Reeve, Charles D., assignor.)						
Grand Rapids Hardware Company. (See Fox, William R., assignor.)						
Grandjean, Arthur, National City, Cal. Bedclothes-clamp.....	770,003	Sept. 13	1655	351 352	112	392
Granger, A. O. (See Bockmeyer, Henry F., assignor.)						
Granger, A. O. (See Mills, Walter, assignor.)						
Granger, Adolphus, and W. Hilzinger, Royaloak, Mich. Wrench.....	755,650	Mar. 29	4740	1054	109	1098
Granger, Alvan P., Denver, Colo. Stamp-mill.....	773,732	Nov. 1	378	84	113	89
Granger, Arthur O. (See McNeill, Ralph, assignor.)						
Granger, Hollis R., assignor of one-half to C. Dellwo, St. Paul, Minn. Shaft-straightener.....	749,816	Jan. 19	2582	550	108	612
Granger, John, assignor of one-half to J. Sutherland, Springer, N. Mex. Ter. Gate.....	774,517	Nov. 8	1883	408	113	437
Granlund, Gustavus S., West Haven, Conn. Combination of the reversible steam-turbine with locomotives and vehicles.....	768,010	Aug. 16	3815	796 797	111	1920
Gannon, William E., New Richmond, Ind. Side-board attachment for grain-wagons.....	761,476	May 31	5759	1228	110	1350
Grant, Charles J., Mildura, and A. G. M. Michell, Melbourne, Victoria, Australia. Apparatus for measuring water for irrigation or similar purposes.....	771,061	Sept. 27	3701	781	112	881
Grant, Francis F., Chicago, Ill. Insulator-bracket.....	760,620	May 24	4039	858	110	958
Grant, Frank. (See Grant, Sidney A., assignor.)						
Grant, H. M., et al. (See Tollner, Jacob, assignor.)						
Grant, John S., et al. (See Henderson, Even C., assignor.)						
Grant, Lewis J., Grand Rapids, Mich. Wagon-jack.....	766,690	Aug. 2	1139	236	111	1294
Grant, Richard, New York, N. Y. Pressing-iron.....	755,128	Mar. 22	3760	826	109	874
Grant, Robert. (See Donning, George W., assignor.)						
Grant, Robert E., assignor of one-half to J. A. Cavanaugh, Grand Rapids, Mich. Mowing-machine.....	769,133	Aug. 30	6144	1284	111	2478
Grant, Rudolph R. (See Breedlove and Grant.)						
Grant, Sidney A. (See Skiff and Grant.)						
Grant, Sidney A., Springfield, assignor of one-third to F. Grant, Westfield, Mass. Envelop-machine.....	753,256	Mar. 1	75	19, 20	109	18
Grant, Stewart, and T. L. Stewart, Portland, Oreg.; said Grant assignor to said Stewart. Incandescent hydrocarbon-lamp.....	768,988	Aug. 30	5859	1229	111	2417
Grant, Thomas, deceased, Tottenham, N. Y.; W. T. Holt, administrator, assignor of one-half to H. A. Cohen, Delaware, N. Y. Combined valve and packing.....	759,514	May 10	1903	382	110	451
Grant, William A., assignor of one-half to D. D. Hanlin, Brooklyn, N. Y. Lock.....	771,305	Oct. 4	166	37	112	997

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Grant, William R., assignor to Colorado Iron Works Company, Denver, Colo. Pneumatic hydraulic separator.	771,874	Oct. 11	1809	295	112	1253
Grant, William W., Brooklyn, N. Y. Vaporizer for gas-engines.	750,451	Jan. 26	3767	819	108	888
Grantham, Elijah, <i>et al.</i> (See Hensley, Charles S., assignor.)						
Grantland, John W., assignor to Haines, Jones & Cadbury Company, Philadelphia, Pa. Stop and waste cock	762,305	June 14	1337	286	110	1750
Grantz, A. N. (See Larsen, Nels, assignor.)						
Grape, Lewis, Canajoharie, N. Y. Carpet-clamp	775,034	Nov. 15	2945	628	113	697
Grapewine, Charles E., assignor to G. W. Beck, Los Angeles, Cal. Powder dredger or shaker	757,912	Apr. 19	3397	736	109	2103
Grasselli Chemical Company. (See Lihme, Jens P., assignor.)						
Grassmann, John, Davenport, Iowa. Tool-grinding machine for railway hand-cars.	758,933	May 3	503	101	110	121
Grassmann, Peter, Louisville, Ky. Feed-water heater	761,670	June 7	92	16	110	1458
Grassmann, Peter P. (See Michaels, Paul, assignor.)						
Grassy, Joseph. (See Barbier, Charmentant, and Grassy.)						
Grath, Walter P., St. Louis, Mo. Roofing-tile	749,182	Jan. 12	1289	277	108	316
Grattelo, Albert T., and H. Woodmanse, assignors to H. Woodmanse, Freeport, Ill. Tightener for brace-rods	758,910	May 3	663	133	110	156
Grael, Edwin L., assignor to National Telephone Company, Rochester, N. Y. Signaling apparatus	751,071	Feb. 2	527	123	108	1175
Graul, Otto J. (See Knietseh, Seidel, and Graul.)						
Graul, Otto J., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making omega cyanmethyl-anthranilic acid	765,576	July 19	3348		111	759
Graul, Otto J., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making acid nitriles	778,656	Dec. 27	4352		113	2416
Graupner, Louis C., San Francisco, Cal. Concentrator	758,438	Apr. 26	4457	938	109	2356
Gravell, James H., assignor of one-half to E. Pearson, Philadelphia, Pa. Repairing castings or the like	775,170	Nov. 15	3228	691	113	761
Graves, Alexander J., Elmo, Mo. Fertilizer-distributor	764,905	July 12	1858	382	111	422
Graves, Charles L., Minneapolis, Minn., assignor of one-half to A. C. Megquier, Milbank, S. D. Fire-trape	756,623	Apr. 5	818	176	109	1516
Graves, Frank H. (See Woods and Graves.)						
Graves, James M., Brazil, Ind. Joining sections of underground conduits for electric cables	764,580	July 12	1400	286	111	332
Graves, John, Milwaukee, Wis. Massage-machine	758,205	Apr. 26	3978	832	109	2249
Graves, John N., Cumby, Tex. Rotary harrow	755,651	Mar. 29	4741	1054	109	1098
Graves, Norman F., Alma, Ill. Mowing-machine	755,236	Mar. 22	3941	872	109	910
Graves, Saluthiel V., and A. F. Fry, Bentonville, Ark. Dust-sprayer	772,508	Oct. 18	2632	579	112	1565
Graves, William D., Brown Valley, Minn. Wheel-oiler	759,699	May 10	2248	465	110	524
Gravi, Joseph. (See Schwiager, Adolf, assignor.)						
Gray, Albert, Paris, Tex. Cultivating-machine	759,966	May 17	2822	590	110	670
Gray, Alexander, Sutton, England. Drying timber	763,462	June 28	3713	800	110	2307
Gray, Almon J., St. Paul, assignor of one-half to G. A. Day, Minneapolis, Minn. Double-tree	750,267	May 10	1414	282	110	343
Gray, Burton P. (See Graham, John H., assignor.)						
Gray, Christian H. (See Sloper, Thomas, assignor.)						
Gray, Christian H., Silvertown, and T. Sloper, Devizes, England. Cover for elastic tires.	748,858	Jan. 5	576	131	108	129
Gray, Clinton, Hammondsport, N. Y. Mail-box	763,975	July 5	9	14	111	29
Gray, David G., assignor to McGaw and Gray, Philadelphia, Pa. Building concrete walls, &c.	751,789	Feb. 9	1858	423	108	1470
Gray & Davis. (See Taylor and Leonard, assignors.)						
Gray, Edward A., and S. H. Brand, Chicago, Ill. Electric railway-switch	763,390	June 28	3540	762	110	2270
Gray, Frank, Chicago, Ill., assignor to J. J. Howden Company, Muskegon, Mich. Fusible link	756,847	Apr. 12	1266	281	109	1630
Gray, Frederick H., assignor of one-half to W. V. Thomas, Leavenworth, Kans. Electric signal	774,320	Nov. 8	1521	325	113	359
Gray, George A., assignor to G. A. Gray Company, Cincinnati, Ohio. Driving mechanism for metal-planers	760,377	Sept. 6	480	106	112	109
Gray, George W., <i>et al.</i> (See Tower, William G., assignor.)						
Gray, Henry W., Jr. (See Hoshor, Joseph C., assignor.)						
Gray, James. (See Sanford, George W., assignor.)						
Gray, John A., and F. Lehmann, assignors to said Gray, J. R. Smith, and N. L. Brown, Allegheny, Pa. Non-explosive oil-can. (Reissue.)	12,201	Mar. 1	1240	279	109	266
Gray, John B., Central Falls, R. I. Haircloth-loom	755,571	Mar. 22	4568	1016	109	1045
Gray, John M., Notting Hill, London, England. Steering-engine controller	778,186	Dec. 20	3419	751	113	2194
Gray, Joseph W., <i>et al.</i> (See Huntley, Stephen A., assignor.)						
Gray Lithograph Company. (See Webb, Zaida B., assignor.)						
Gray, Michael J. (See Yearly, Edward J., assignor.)						
Gray, Robert, assignor to Meehan Boiler & Construction Company, Lowellville, Ohio. Water-tube boiler	765,830	July 26	3882	826	111	884
Gray, Robert H., Lexington, Ky. Steam-cooker	764,720	July 12	1696	347	111	836
Gray, Robert J., Jr. (See Haines and Gray.)						
Gray, Ross E., Washington, D. C. Engraving-machine	767,938	Aug. 16	3623	766	111	1877
Gray Telephone Pay Station Company. (See Long, George A., assignor.)						
Gray, Thomas B., Silverlake, Kans. Mail-delivery box	754,441	Mar. 15	2480	540	109	577
Gray, Thomas E., Chicago, Ill. Hat stretcher and shaper	759,477	Sept. 6	672	145	112	153
Gray, Thomas J., assignor to National Drill and Manufacturing Company, Chicago, Ill. Grading and ditching machine	759,606	May 10	2076	425	110	487
Gray, William B., Gleanane, Ireland. Machine for treating fibrous plants	754,994	Mar. 22	3534	774	109	823
Gray, William D., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Company. Shaking-sieve and cleaner therefor	752,448	Feb. 16	3143	699	108	1774
Gray, William D., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Company. Flour-dressing machine	775,171	Nov. 15	3229	691	113	761
Gray, William P., Campbellton, Canada. Adjustable pulley	778,187	Dec. 20	3422	752	113	2194
Graybill, Bird M., assignor to W. J. McWade, Chicago, Ill. Speaking-tube	762,900	June 21	2562	557	110	2033
Graybill, George, and J. P. Oden, York, Pa. Rheostat	751,634	Feb. 9	1574	357	108	1411
Graydon, James W., Peckham, England. Tower for recreation or other purposes	758,834	May 8	506	101	110	122
Grayson, Pauline, London, England. Manufacture of artificial fuel	770,851	Sept. 27	3287		112	790
Grear, Julian, assignor of one-half to H. F. Kolb, Paducah, Ky. Running-gear for wagons	759,172	May 3	1154	235	110	262

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Greater New York Security Company. (See De Forest, Lee, assignor.)						
Greater New York Security Company. (See Hogg, William S., assignor.)						
Greotrex, Henry, and A. Hoh; said Hoh assignor to F. L. Whittner, New York, N. Y.	769,184	Aug. 30	6145	1285	111	2479
Gréaud, Arthur, Angers, France. Lamb knitting-machine.	750,052	Jan. 19	3037	650 651 652 226 227	108	710
Grebe, Theodore, New York, N. Y. Bottle-washing machine.	764,456	July 5	1117		111	247
Gredt, Paul. (See Talbot and Gredt.)						
Greeder, Herman, Scio, Ohio. Cleaning and waxing pad.	769,541	Sept. 6	790	170	112	178
Greeley, Charles U., Bangor, Me. Car-coupling.	771,822	Oct. 11	1188	265	112	1228
Greeley, George M., Philadelphia, Pa. Folding bracket.	759,435	May 10	1747	354	110	415
Green, Alfred, et al. (See Strail, Frederic, assignor.)						
Green, Alfred, and F. A. Strail, Rochester, N. Y. Electric brake for vehicles.	773,143	Oct. 11	1679	417	112	1376
Green, Almon B., Lyons, Ohio. Wrench.	756,495	Apr. 5	605	130	109	1469
Green, Archibald M., Chelsea, assignor of one-half to F. A. Marston, Winthrop, Mass. Automatic stop for cable-cars.	774,244	Nov. 8	1376	294	113	327
Green, Bernard R., Washington, D. C. Book-stack.	767,109	Aug. 9	2015	419	111	1509
Green, Bernard R., Washington, D. C. Book-stack.	774,984	Nov. 15	2850	608	113	675
Green, Bernard R., Washington, D. C., and H. P. Macdonald, Jr., Jersey City, N. J.; said Macdonald assignor to said Green. Book-stack.	776,233	Nov. 29	5465	1157	113	1302
Green, Carl A., Katrineholm, and H. E. Larsson, Stockholm, Sweden. Sweeping-machine.	752,152	Feb. 16	2567	571	108	1647
Green, Carl R., Pittsburg, Pa. Fluid-pressure impact-tool.	760,195	May 17	3236	679	110	762
Green, Charles M., Lynn, Mass. assignor to General Electric Company. Apparatus for rectifying alternating currents.	768,937	Aug. 30	5756	1209	111	2394
Green, Edward, Wakefield, England. Fuel-economizer.	768,043	Aug. 23	3876	812 813	111	1952
Green, Edwin F., assignor to Stephens Lithographing & Engraving Company, St. Louis, Mo. Check-book.	750,432	Jan. 26	3770	819	108	889
Green, Francis J., assignor to American Engineering Company, Detroit, Mich. Wire-less telegraphy.	758,006	Apr. 19	3572	773 774	109	2142
Green, George A., et al. (See Pratte, Charles A., assignor.)						
Green, George D. (See Sager and Green.)						
Green, George E., and E. W. Wagoner, Emporia, Kans. Lettering device.	777,018	Dec. 6	1115	242	113	1674
Green, George F. (See Swaenberg, Arthur W., assignor.)						
Green, George I., San Francisco, Cal. Attachment for sewing-machines.	763,880	June 28	4472	974	110	2469
Green, George L., Newark, Ark. Cotton-thinner.	759,173	May 3	1155	235	110	263
Green, George S., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.	773,071	Oct. 25	3812	813	112	1842
Green, George W., Woy Woy, New South Wales, Australia. Seed-planting machine.	773,305	Oct. 25	4182	853 854	112	1929
Green, Guy W., Lincoln, Nebr. Decoy-duck.	776,905	Dec. 6	897	191	113	1622
Green, Hadley E., Indianapolis, Ind. Railway-crossing.	758,961	May 3	766	153	110	177
Green, Harry, Chicago, Ill. Combined sad-iron and radiating stove.	751,909	Feb. 9	2103	475	108	1527
Green, Irving W., Detroit, Mich. Progressive-score tally.	754,442	Mar. 15	2481	540	109	577
Green, J. R. (See Callahan, Patrick J., assignor.)						
Green, James E. (See Robinson and Green.)						
Green, James O., and H. T. Martin, Whitewater, Wis. Consolidating peat.	752,064	Feb. 16	2406		108	1611
Green, James R., Winston-Salem, and J. A. Hill, Brown Mountain, N. C. Cigarette-former.	753,129	Mar. 22	3761	826	109	875
Green, Jerome M., deceased, Rochester, N. Y. S. Darrohn, administrator, assignor to R. H. Thurston, Elmira, N. Y. Acetylene-gas generator.	762,235	June 7	1176	252	110	1695
Green, John, St. Louis, Mo. Car-truck.	773,564	Nov. 1	62	13	113	18
Green, John, St. Louis, Mo. Car-truck.	777,726	Dec. 20	2470	544	113	2000
Green, John, assignor to Commonwealth Steel Company, St. Louis, Mo. Body-bolster.	763,278	June 21	3283	708	110	2192
Green, John, assignor to Commonwealth Steel Company, St. Louis, Mo. Car-bolster.	776,234	Nov. 29	5466	1157	113	1303
Green, John, assignor to Commonwealth Steel Company, St. Louis, Mo. Support for car-truck bolsters.	776,235	Nov. 29	5467	1157	113	1303
Green, John, assignor to Commonwealth Steel Company, St. Louis, Mo. Car-body bolster.	776,236	Nov. 29	5468	1158	113	1303
Green, John B., Brooklyn Center, Minn. Vegetable-seed-cleaning machine.	775,675	Nov. 22	4362	920 921	113	1038
Green, John D., assignor of one-half to G. L. Mills, A. R. Gordon, and W. E. Dittenhaver, Toledo, Ohio. Burner.	757,653	Apr. 19	2904	632	109	1996
Green, John D., assignor of one-half to G. L. Mills, A. R. Gordon, and W. E. Dittenhaver, Toledo, Ohio. Burner.	778,188	Dec. 20	3423	752	113	2195
Green, John J., Bonton, N. J. Discriminator for vending-machines.	759,268	May 10	1418	283	110	344
Green, John L., Junction City, Ark. Article-attacher.	759,878	May 17	2610	546	110	621
Green, Jordan H., Jackson, Mich. Stovepipe and drum radiator.	776,589	Dec. 6	241	33	113	1482
Green, Louise R., Decatur, Ga. Waist.	762,704	June 14	2165	471	110	1927
Green, Roselle T., Worcester, Mass. Adjustable curtain-bracket.	750,027	Jan. 19	2990	641	108	700
Green, Samuel K., Leeds, England. Combined machine for nibbing, grading, and winnowing cocoa-beans or the like.	762,705	June 14	2166	471	110	1927
Green, Walter H., assignor to Kennicott Water-Softener Company, Chicago, Ill. Water-purifying apparatus.	767,049	Aug. 9	1878	394	111	1479
Green, Walter H., assignor to Kennicott Water-Softener Company, Chicago, Ill. Water-purifier.	767,746	Aug. 16	3228	680	111	1793
Green, Walter H., assignor to Kennicott Water-Softener Company, Chicago, Ill. Water-purifier.	767,747	Aug. 16	3230	681	111	1794
Green, Willard R., Denver, Colo. Stopping device.	770,281	Sept. 20	2185	456	112	528
Green, William L., Waltham, Mass. Fender for cars or other vehicles.	768,277	Dec. 23	4380	920	111	2067
Green, William M., Evanston, and J. R. Gent, Chicago, Ill. Slide-feeding device for picture-projecting apparatus.	757,737	Apr. 19	3061	667 668	109	2029
Greenan, Lura E., Bristol, Ind. Catamenial-bandage supporter.	778,127	Dec. 20	3313	737	113	2173
Greenawalt, William E., Denver, Colo. Extracting metals from ores.	761,164	May 31	5176	1020	110	1820
Greenaway, Arthur J., assignor to Greenaway Company, Detroit, Mich. Separator.	774,518	Nov. 8	1883	409	113	437
Greenaway, Arthur J., assignor to Greenaway Company, Detroit, Mich. Separator.	774,519	Nov. 8	1885	409	113	437
Greenaway Company. (See Greenaway, Arthur J., assignor.)						
Greenbaum, Henry, et al. (See Keene, Arthur R., assignor.)						
Greenberg, Jacob. (See Lamb, James H., assignor.)						
Greenberg, Leon S., Newark, N. J. Gripping device for garters, &c.	762,629	June 14	2005	433	110	1892
Greenberg, Victor. (See Williamson, Henry, assignor.)						
Greenblatt, Hyman. (See Mensor and Greenblatt.)						
Greenblatt, Hyman. (See Mensor, Greenblatt, and Petta.)						
Greenbury, David, Morayfield, Queensland, Australia. Coupling.	755,632	Mar. 29	4743	1054 1055	109	1098

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Greene, Alfred, assignor of one-half to R. A. Kiefer, Milwaukee, Wis. Folding receptacle.....	754,995	Mar. 22	3536	775	109	823
Greene, Frank M., administrator. (See Greene, Jesse T.)						
Greene, Frederick H. (See De Pew, Jacob D., assignor.)						
Greene, Isabel, New York, N. Y. Theatrical appliance.....	766,613	Aug. 2	977	205	111	1258
Greene, Jesse T., deceased; F. M. Greene, Minneapolis, Minn., administrator, assignor of one-tenth to A. Ruffner, Chicago, Ill. Furnace.....	766,440	Aug. 2	587	124	111	1168
Greene, John A., Prophetstown, Ill. Temporary binder.....	775,918	Nov. 29	4824	1022	113	1154
Greene, Leon W., Brooklyn, Mich. Insulator.....	773,733	Nov. 1	380	84	113	90
Greene, Oda P., Oregon, Mo. Stove.....	754,557	Mar. 15	2703	587	109	626
Greene, Samuel L., New York, N. Y. Book-protector.....	763,554	June 28	3841	832	110	2334
Greene, Samuel L., New York, N. Y. Platform-wagon.....	763,555	June 28	3843	832	110	2335
Greene, William H., et al. (See De Fontes, Francis, assignor.)						
Greenen, Francis I., Indianapolis, Ind. Drawer-bin support.....	776,736	Dec. 6	551	121	113	1548
Greenfield, Samuel, Brooklyn, N. Y. Cooking implement.....	769,823	Sept. 13	1314	280	112	316
Greenfield, Edwin T., Monticello, N. Y. Manufacturing screw-threaded pipes, tubes, or rods.....	776,737	Dec. 6	552	121	113	1549
Greenleaf, Nelson J., New York, N. Y. Bicycle.....	776,661	Dec. 6	588	84	113	1514
Greenleaf, George E., and H. E. Kennedy, Plainfield, assignors to Niles-Bement-Pond Company, Jersey City, N. J. Speed-changer.....	753,878	Mar. 8	1326	298	109	306
Greenlee Brothers & Company. (See Edwards, Daniel W., assignor.)						
Greenman, Milton J., and H. Jayne, Philadelphia, Pa. Display-receptacle for objects immersed in preservative liquids.....	774,420	Nov. 8	1695	362	113	397
Greensfelder, Lewis S. (See Coale and Greensfelder.)						
Greensides, Llewellyn, assignor to himself and Constantine Casket Company, Constantine, Mich. Casket-catch.....	776,319	Nov. 29	5598	1186	113	1331
Greenway, John C., Ishpeming, Mich. Car-unloading apparatus.....	752,449	Feb. 16	3144	699	108	1775
Greenwood, Edwin N., assignor to National Metal Bung Company, Chicago, Ill. Bung.....	764,120	July 5	418	81	111	91
Greenwood, Thomas H., Buenos Ayres, Argentina. Electric traction.....	778,832	Dec. 27	4677	1023	113	2483
Greenwood, Ivan A., assignor of one-half to B. U. Rannels, Cleveland, Ohio. Paper-vending machine.....	766,441	Aug. 2	588	125	111	1169
Greenwood, John E., Utica, N. Y. Current-collector.....	758,528	Apr. 26	4629	997	109	2394
Greenwood, John E., Utica, N. Y. Trolley-pole head.....	760,736	May 24	4304	914	110	1015
Greenwood, John E., Utica, N. Y. Trolley-pole head.....	765,003	July 12	3250	465	111	507
Greenwood, John E., Utica, N. Y. Trolley-pole head.....	765,004	July 12	3252	465	111	508
Greenwood, John E., Utica, N. Y. Trolley-pole head.....	767,939	Aug. 16	3626	767	111	1878
Greenwood, John R., Boothwyn, Pa. Dyeing-machine.....	776,237	Nov. 29	5469	1158	113	1303
Greenwood Process Machine Co. (See Carder, Robert E., assignor.)						
Greenwood, Thomas F., Providence, R. I., assignor to D. M. Watkins & Company. Joint. Holdfast for portable shoes, shampoo-sprinklers, &c.....	763,483	June 28	3714	800	110	2307
Greenwood, Thomas H., Worcester, Mass. Tension device for spindle-driving bands.....	754,061	Mar. 8	1678	373	109	386
Greer, Fredric. (See Hoffmann, Otto C., assignor.)						
Greer, Green B., Camden, Tenn. Metallic fence-post.....	774,582	Nov. 8	2009	437	113	463
Greer, William N., Greeley, Nebr., assignor of two-thirds to J. Crockett and E. B. Hohart. Wrench.....	766,145	July 26	4497	962	111	1018
Greewu, Dirk, and R. R. De Jong, Chicago, Ill. Air-ship.....	758,062	Apr. 26	3717	807	109	2190
Gref, Anthony. (See Raders, Joseph F., assignor.)						
Gregersen, John A., assignor of one-half to F. J. Kuhlman, Chicago, Ill. Wire-straightener.....	760,406	May 17	3609	760	110	846
Gregg, Edgar F., Thornburg, Pa., assignor to Standard Sanitary Manufacturing Company. Holdfast for portable shoes, shampoo-sprinklers, &c.....	771,306	Oct. 4	168	37	112	997
Gregg, Holland C., Trumbursburg, assignor to D. H. Ayers, Troy, N. Y. Vignetter attachment for cameras.....	765,477	July 19	3174	663	111	723
Gregg, Jerome S., Pomona, Mich. Spring-supported sidewalk.....	768,906	Dec. 6	888	192	113	1623
Gregg, John, Storms, Ohio. Buncher for mowing-machines.....	771,008	Sept. 27	3588	756	112	859
Gregg, William H., Norwood, Ohio, assignor to Peck-Williamson Heating & Ventilating Company. Furnace.....	752,707	Feb. 23	3763	840	108	1929
Grégoire, Félix, St. Jean Baptiste, Canada. Railway-brake.....	750,028	Jan. 19	2991	641	108	700
Gregory, Alton N. (See Coleman and Gregory.)						
Gregory, Charles, St. Louis, Mo. Pruning-hook.....	775,490	Nov. 22	4308	909	113	1027
Gregory, Jennie L. (See De Hart, Marie G., assignor.)						
Gregory, John T., and J. Brown, Fall River, Mass. Shuttle for looms.....	775,420	Nov. 22	3812	806	113	919
Gregory, Joseph, Jersey City, N. J. Central-draft lamp-burner.....	749,132	Jan. 5	1167	248	108	370
Gregory, Joseph, Jersey City, N. J. Lamp-burner.....	752,901	Feb. 23	4026	902	108	1987
Gregory, Naomi C., assignor of one-third to J. Parker, Dixon Spring, Tenn. Lock.....	762,582	June 14	1911	412	110	1871
Gregory, Stephen, Trinidad, Colo. Draft appliance for vehicle-shafts.....	754,368	Mar. 8	2300	503	109	520
Gregory, William. (See Bentley and Gregory.)						
Gregory, William H., Vallejo, Cal. Lemon-squeezer.....	765,005	July 12	2233	465	111	508
Gregory, William H., Vallejo, Cal. Electric battery.....	777,851	Dec. 20	2753	606	113	2059
Gregory, Willis D., Pittsburg, Pa. Electromagnet.....	753,879	Mar. 8	1328	299	109	307
Greiner, Charles F., St. Louis, Mo. Music-leaf turner.....	771,978	Oct. 11	1539	343	112	1299
Greiner, Woldemar, Brunswick, Germany. Evaporating apparatus.....	749,552	Jan. 12	3071	490	108	485
Grellner, Christopher J. (See Spencer and Grellner.)						
Grellner, Christopher J., St. Louis, Mo. Wedge.....	760,382	May 17	3482	733	110	817
Grempler, Francis W., Hoboken, N. J. Metal-beating machine.....	748,722	Jan. 5	3515	70, 71	108	70
Gresham, George H., New York, N. Y., assignor to Boorum and Pease Company. Temporary binder.....	751,499	Feb. 9	1917	301	108	1357
Gresham, George H., and J. Schaefer, Jr., New York, N. Y. Loose-leaf binder.....	763,176	Jan. 21	3096	666	110	2151
Gresly, Julius, Liesberg, Switzerland. Manufacturing hydraulic cement.....	748,943	Jan. 5	757	.....	108	173
Greter, George. (See Greter, John G., assignor.)						
Greter, John G., Crestline, Ohio. Railway-track joint.....	759,269	May 10	1423	283	110	345
Greth, John G. W., assignor of two-fifths to G. Greter, Shelby, Ohio. Rail-joint.....	778,657	Dec. 27	4354	951	113	2416
Greth, John G. W., assignor to Wm. B. Scaife & Sons Company, Pittsburg, Pa. Water-purifying apparatus.....	749,728	Jan. 19	2415	510	108	575
Greth, John C. W., assignor to Wm. B. Scaife & Sons Company, Pittsburg, Pa. Water-purifying apparatus.....	753,880	Mar. 8	1330	299	109	307
Greth, John C. W., assignor to Wm. B. Scaife & Sons Company, Pittsburg, Pa. Water-purifying apparatus.....	775,901	Nov. 22	4779	1013	113	1126
Greul, John M., Philadelphia, Pa. Vending machine.....	767,142	Aug. 9	2083	433	111	1522
Greve, Herzberg and Company. (See Runge, Eduard, assignor.)						
Greve, Louis W. (See Secher and Greve.)						
Greves, Abbie E., New York, N. Y. Scholar's companion.....	754,558	Mar. 15	2704	587	109	626
Grey, Henry, assignor to American Universal Mill Company, New York, N. Y. Manufacture of flanged metal bars or beams and structural work.....	758,529	Apr. 26	4631	997	109	2395

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Grey, James M., Burnley, England. Stop-motion for looms	763,556	June 28	8944	899	110	2925
Gribble, Theodore G., Melton Constable, England. Tramway	760,983	May 24	4780	1017	110	1116
Grice, George, and H. Dewey, Birmingham, England. Incandescent gas-burner	749,553	Jan. 12	2072	430	108	485
Gridley, Charles E. (See Givens and Gridley.)						
Gridley, Wilmer D., New York, N. Y. Flower-pot support	753,485	Mar. 1	492	115	109	108
Griebel, Arthur F., Little Rock, Ark. Bowling-alley	768,600	Aug. 30	5073	1064	111	2241
Grier, Samuel A., Cuthbert, Ga. Seed-planter	749,484	Jan. 12	1939	402	108	455
Grier, Thomas J., West Palmbeach, Fla. Coupling	759,270	May 10	1424	283	110	346
Griès, Théophile, Lille, France. Change-speed gear	759,174	May 3	1138	235	110	263
Griesche, Gustav, Berkeley, Cal. Rotary turbine-engine	755,481	Mar. 22	4412	978	109	1011
Griest, William, Franklin, Ohio. Buckle	777,927	Dec. 13	2291	508	113	1946
Grievies, Albert, Springfield, Ohio, assignor to International Harvester Company, Chicago, Ill. Pitman	751,500	Feb. 9	1319	301	108	1357
Griffen, John E., and C. W. Frick, Hayti, Mo. Belt tightener or stretcher	770,637	Sept. 20	2856	607	112	677
Griffen, Stephen M., Summit, N. J. Tailor's measure	754,765	Mar. 15	3100	677	109	713
Griffin, Alvin L., Euftau, Ala. Churn	771,471	Oct. 4	491	111	112	1063
Griffin Automatic Fire Alarm Company. (See Griffin, John W., assignor.)						
Griffin, Charles E., Sac City, and H. A. Low, Lake City, Iowa. Fence-post and electrical conductor	749,554	Jan. 12	2072	430	108	485
Griffin, Daniel M. (See Douglass, Robert A., assignor.)						
Griffin, Edwin C., Newton, Mass. Crushing or pulverizing mill	768,221	Aug. 23	4269	898	111	2041
Griffin, Edwin C., Newton, Mass. Crushing or pulverizing mill	769,740	Sept. 13	1146	247	112	278
Griffin, Ezra L., Mason City, Iowa. Pneumatic stacker	766,343	Aug. 2	408	86	111	1130
Griffin, George P., assignor of one-half to W. L. Theurer and T. Walters, Menlo, Iowa. Straw-feeding machine	771,304	Sept. 27	3980	842	112	941
Griffin, Henry S., Rochester, N. Y. Lasting-jack	761,527	July 5	1262	259	111	275
Griffin, Isaac B. (See Wheeler, Samuel D., assignor.)						
Griffin, James. (See Coughlan, James, assignor.)						
Griffin, James C. (See Shimp and Griffin.)						
Griffin, James C., Erie, Pa. Hinge-pin	749,729	Jan. 19	2417	510	108	575
Griffin, James H., Stillwater, Minn. Composite article of furniture	759,700	May 10	2250	465	110	525
Griffin, James J., assignor of one-half to A. W. Livingston, San Francisco, Cal. Can-soldering machine	758,911	May 3	663	138	110	156
Griffin, John, Yonkers, N. Y. Horseshoe attachment	760,785	May 24	4394	934	110	1035
Griffin, John J., Washington, D. C. Producing chemical compounds	757,036	Apr. 12	1660	359	109	1711
Griffin, John T., Watertown, assignor of one-half to J. W. Love, Nashville, Tenn. Combined railway-tie and rail-fastening device	768,448	Aug. 23	4735	993	111	2150
Griffin, John W., Pawtucket, R. I., assignor to Griffin Automatic Fire Alarm Company. Automatic fire-alarm	774,385	Nov. 8	1630	350	113	388
Griffin, Judson M., Detroit, Mich. Abrading-shoe for truing up car-wheels	766,691	Aug. 2	1140	236	111	1294
Griffin, Michael, assignor of one-half to T. Mahony, San Francisco, Cal. Safety appliance for sidewalk-elevators	764,236	July 5	667	135	111	148
Griffin, Michael B., Pascoag, R. I. Heddle for looms	772,800	Oct. 18	3300	696	112	1687
Griffin, Thomas J., assignor to H. Riedel, E. McCarthy, N. Weeks, Galveston, Tex., C. A. Snow, E. G. Siggers, Washington, D. C., and American Cotton Company, New York, N. Y. Cotton-compress	768,877	Aug. 30	5639	1185	111	2367
Griffith, Walter T., Limoges, France. Apparatus for treating peat	775,137	Nov. 15	3159	671	113	744
Griffin, William, Kansas City, Mo. Whistling-top	773,072	Oct. 25	3815	813	112	1843
Griffith, Clarence J., Fort Collins, Colo. Combined churn and butter-worker	762,306	June 14	1338	287	110	1750
Griffith, Daniel, Butte, Mont. Sale-recorder	737,913	Apr. 19	3397	736	109	2103
Griffith, James R., Los Angeles, Cal. Checkrein	773,637	Nov. 1	198	43	113	48
Griffith, James T., Lehigh Mills, Cana. Carding-machine attachment	759,271	May 10	1423	281	110	346
Griffith, John R., Zion City, Ill. Expandible well-drill	774,071	Nov. 1	1067	229	113	241
Griffith, Lawrence, Yonkers, N. Y. Electric switch and signal apparatus	776,298	Nov. 29	5470	1158	113	1303
Griffith, Thomas L., Pittsburg, Pa. Catamenial sack	765,074	July 12	3393	498	111	536
Griffith, W. S., et al., trustees. (See Thurston, Charles H., assignor.)						
Griffith, William H., Worthington, Ind. Gate	768,449	Aug. 23	4737	993	111	2151
Griffiths, Daniel, Jersey City, N. J., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Ornamental-stitch sewing-machine	767,688	Aug. 16	3133	654	111	1771
Griffiths, Edward, Penrith, England. Horseshoe	765,177	July 19	2576	538	111	593
Griffiths, Edward J., assignor to G. Griffiths, Los Angeles, Cal. Heat and smudge composition	770,428	Sept. 20	2455	520	112	588
Griffiths, George. (See Griffiths, Edward J., assignor.)						
Griffiths, James, Liverpool, England. Sand-hopper mechanism for tramway-vehicles, &c.	777,090	Dec. 13	1255	276	113	1722
Griffiths, Leonard L., New York, N. Y. Valve	754,299	Mar. 8	2128	472	109	482
Griffiths, William U., Philadelphia, Pa. Closet structure	768,601	Aug. 30	5074	1065	111	2241
Griffiths, William U., Philadelphia, Pa. Hopper-flange	773,734	Nov. 1	381	85	113	90
Griffitts, Thomas H., San Francisco, Cal. Power-hammer	773,735	Nov. 1	383	85	113	91
Griggs, Daniel, Montoursville, Pa. Concrete-block mold	765,424	July 19	3046	637	111	695
Griggs, George A., Billings, Mont. Inkstand	753,439	Apr. 26	4459	959	109	2356
Grille, R. P. (See Grönblad, Olof, assignor.)						
Grille, Charles J., assignor to Société Solignac, Grille & Compagnie, Paris, France. Steam-bowl cleaner	758,835	May 3	509	103	110	122
Grimes, Alva E. (See Murphy, John J., assignor.)						
Grimes, Curtis C., Kansas City, Mo. Railway-tie	757,087	Apr. 12	1662	360	109	1712
Grimes, John F., et al. (See Downey, John C., assignor.)						
Grimes, William B., Philadelphia, Pa. Salt-cellar	763,750	June 28	4218	919	110	2416
Grimler, Theobald. (See Conner and Grimler.)						
Grimm, Frederick E., Utica, N. Y. Match composition	755,653	Mar. 29	4744		109	1099
Grimm, Gerhard E., Collingswood, N. J., assignor of one-half to J. J. Sleeper, Philadelphia, Pa. Antiseptic attachment for telephone-mouthpieces	773,986	Oct. 25	4392	915	112	1963
Grimm, Gustav H., Rutland, Vt. Sap-spout and cover	765,478	July 19	3177	664	111	723
Grimm, Gustav H., Rutland, Vt. Sap-spout and cover	778,031	Dec. 20	3122	687	113	2131
Grimm, Nicholas R., Washington, D. C. Two-story tenement	763,279	June 21	3384	709	110	2192
Grimme, Frederick, assignor of one-half to A. A. Whamond, Chicago, Ill. Loose-leaf book	767,940	Aug. 16	3627	767	111	1878

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Grimme, Frederick, assignor of one-half to A. A. Whamond, Chicago, Ill. Loose-leaf-binder frame.	770,749	Sept. 27	3068	651	112	741
Grimme Natalis & Co., Commanditgesellschaft auf Aktien. (See Kelling, Kurt, assignor.)						
Grinnell, Alonzo P., Lynn, Mass. Shank-stiffener for shoes.	750,965	Feb. 2	347	88	108	1135
Grinnell, Frederick, New Bedford, Mass., assignor to General Fire Extinguisher Company, New York, N. Y. Dry-pipe valve.	761,165	May 31	5177	1100	110	1221
Grinnell, Frederick, New Bedford, Mass., assignor to General Fire Extinguisher Company, New York, N. Y. Automatic fire-extinguisher.	761,221	May 31	5273	1121	110	1241
Gripe, William H. (See Martin, James M., assignor.)						
Gripp, Friedrich O., Bremen, assignor to Bremer Linoleumwerke-Dehmenhorst, Dehmenhorst, Oldenburg, Germany. Manufacture of linoleum.	778,658	Dec. 27	4955	951	113	2416
Grisell, Linley S., Clyde, Kans. Fountain siphon-syringe.	778,311	Dec. 27	3698	800	113	2366
Grist, Charles J., Apsley, Banstead, England. Golf-ball, &c.	749,053	Jan. 5	1017	215	108	235
Griswold, George M., assignor of two-thirds to A. R. Bradley and G. P. Smith, New Haven, Conn. Candy-pulling machine.	767,143	Aug. 9	2085	434	111	1522
Griswold, Henry D., Providence, R. I. Handle-bar for bicycles.	774,421	Nov. 8	1696	363	113	397
Griswold, John H., Oakland, Cal. Dish-washing machine.	748,859	Jan. 5	584	132	108	131
Griswold, Stella E., Philadelphia, Pa. Attachment for violins.	759,570	May 17	2611	546	110	621
Griveaud, Léon, Paris, France. Post for supporting telegraph-wires, &c.	761,294	May 31	5429	1154	110	1273
Groat, Louis W. (See Hart, William, assignor.)						
Grob, Julius, Horgen, Switzerland. Heddle for looms.	770,282	Sept. 20	2187	456	112	528
Grobgengieser, Philip G., St. Louis, Mo. Safety appliance for elevators.	773,866	Nov. 1	659	199	113	152
Grobet, John L., New York, N. Y., assignor to National Cash Register Company, Jersey City, N. J. Cash-register.	773,073	Oct. 25	3816	813	112	1844
Groene, William F. (See Le Blond and Groene.)						
Groenig, August, Halloway, Minn. Power-hammer.	750,359	Jan. 26	3605	781	108	853
Groenning, John, Iron River, Wis. Horseshoe.	758,385	Apr. 28	4296	782	109	2319
Groff, Aaron, Oakbottom, Pa. Lamp-holder attachment for vehicles.	757,914	Apr. 19	3401	737	109	3104
Groff, Charles R., St. Paul, Minn. Machine for separating coffee.	778,576	Dec. 27	4190	914	113	2378
Groff, Charles R., St. Paul, Minn., assignor, by mesne assignments, to Laundry Blue Company, Chicago, Ill. Bluing device.	750,847	Feb. 2	131	30	108	1086
Groff, John M., assignor to Vehicle Specialty Company, North Lawrence, Ohio. End-gate.	748,860	Jan. 5	581	133	108	131
Groff, Sylvanus E., assignor of one-half to A. C. Mollert, Reading, Pa. Umbrella-rib retainer.	749,376	Jan. 12	1694	360	108	405
Grogan, Galen, Murray, Ky. Vehicle-top support.	754,650	Mar. 15	2884	630	109	662
Grohmann, Carl F., Güstrow, Germany. Machine for harvesting potatoes or the like.	750,029	Jan. 19	2904	641	108	701
Groll, Charles, Roubaix, France. Cravat or necktie.	772,801	Oct. 18	3201	696	112	1687
Groll, Charles P. (See Groll, William F. and C. P.)						
Groll, William F. and C. P., Waldo, Ohio. Table.	775,006	Nov. 15	2888	617	113	682
Gronblad, Olof, assignor of one-half to B. Grill, Stockholm, Sweden. Petroleum-incandescence-lamp burner.	771,425	Oct. 4	422	94	112	1046
Groinfeld, Diedrich. (See Schoell and Groinfeld.)						
Groot, Simon N. (See Goede and Groot.)						
Grooters, John H., Allendorf, Iowa. Reel for planters.	760,984	May 24	4781	1017	110	1116
Grooters, John H., Allendorf, Iowa. Planter.	762,706	June 14	2168	472	110	1927
Groover, Edwin A. (See Harden, William H., assignor.)						
Gros, Oscar. (See Ostwald and Gros.)						
Grosch, John C. (See Stinson, William J., assignor.)						
Grose, William C., assignor, by mesne assignments, to Simmons Manufacturing Company, Kenosha, Wis. Spring-bottom for beds, &c.	759,515	May 10	1904	382	110	451
Groseclose, John A. (See McVey, George E., assignor.)						
Grosgan, Wallace D., and W. G. Ehrmantraut, assignors of one-third to C. A. Lee, Oneida, N. Y. Cushion-tufting machine.	776,055	Nov. 29	5108	1080	113	1220
Gross, August, New York, N. Y. Waterproofing-sheeting.	775,968	Nov. 29	4949	1045	113	1182
Gross, Charles W., San Francisco, Cal. Box-couch hinge.	758,530	Apr. 26	4636	998	109	2395
Gross, Edwin J., assignor of one-half to E. J. Lichtenwalner, Allentown, Pa. Means for operating railway switches or targets.	760,447	May 24	3699	783	110	893
Gross, Fritz, Söndereggen, Germany. Atmospheric gas-burner.	775,470	Nov. 22	3915	827	113	941
Gross, George M. (See Thon and Wolf, assignors.)						
Gross, Herman O. (See Kress, Loshelder, Gross, and Loshelder.)						
Gross, Mary E., Washington, D. C. Garment-hook.	769,542	Sept. 6	794	170	112	179
Gross, Otto, near Manchester, England. Electric-arc lamp.	759,880	May 17	2612	547	110	622
Gross, Peter J., assignor of two-thirds to F. Frey and G. Blank, Brooklyn, N. Y. Mechanism for operating valves of tanks for water-closets.	757,738	Apr. 19	3072	669	109	2031
Grossbeck, Albert, Allegheny, Pa. Lock.	773,319	Oct. 25	4390	929	112	1974
Grosslaub, Bruno and P., Hainichen, Germany. Loom-shuttle.	756,164	Mar. 29	5734	1266	109	1320
Grosslaub, Paul. (See Grosslaub, Bruno and P.)						
Grossman, George, New York, N. Y. Garment-cabinet.	765,384	July 19	2964	620	111	677
Grossman, Rudolph C. (See Burt, Anderson, and Grossman.)						
Grote, Ferdinand. (See Cook, Daniel S., assignor.)						
Grothe, Frederick H. (See Bremer and Grothe.)						
Grothe, William, assignor to White Sewing Machine Company, Cleveland, Ohio. Drop-table for sewing machines.	749,787	Jan. 19	2533	538	108	601
Grotches, Charles, Chicago, Ill. Hoop flaring and sizing machine.	732,153	Feb. 16	2569	571	108	1647
Grotphorst, Herman, et al. (See Foote, Franklin S., assignor.)						
Grouet, Frederick E., Orange, Mass. Automobile.	761,295	May 31	5430	1154	110	1274
Grouvelle, Jules, and H. Arquembourg, Paris, France. Diaphragm indicating, controlling, and measuring appliance.	748,944	Jan. 5	758	164	108	172
Grouvelle, Jules, and H. Arquembourg, Paris, France. Condenser.	772,279	Oct. 11	2158	471	112	1441
Grouvelle, Jules, and H. Arquembourg, Paris, France. Cooler or condenser, also applicable for use as heater or evaporator.	778,189	Dec. 20	3424	732	113	2195
Grove, Elmer E., assignor to Grove Manufacturing Company, Springfield, Ohio. Drop-light.	760,533	May 24	3865	820	110	922
Grove, Elmer E., assignor to Grove Manufacturing Company, Springfield, Ohio. Drop-light.	760,534	May 24	3868	821	110	923
Grove, George, Cumberland, Md. Machine for separating metal sheets.	757,453	Apr. 19	2478	542	109	1902
Grove, George, Cumberland, Md. Separating metal sheets.	757,454	Apr. 19	2480	543	109	1902
Grove, George F., Dayton, Ohio. Electric-arc lamp.	772,558	Oct. 18	2906	638	112	1624

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Grove, Harry, (See Pickering and Grove.)						
Grove, Joseph, Birmingham, England. Carburetor for internal-combustion engines	762,707	June 14	2176	473	110	1928
Grove Manufacturing Company. (See Grove, Elmer E., assignor.)						
Grove, Merrill A., Lewisburg, Pa. Weight sustaining and adjusting means for harvesters.	774,173	Nov. 8	1253	266	113	300
Grove, Richard, Salem, assignor of one-half to J. Starkey, Minerva, Ohio. Heating or						
Grover, Albert D., Malden, Mass. Bridge for musical instruments	764,581	July 12	1402	286	111	323
Grover, Frank, Watrousville, Mich. Reclining-chair	769,649	Sept. 6	970	210	112	221
Grover, George B., assignor of one-half to C. E. Harwood, Lynn, Mass. Machine for assembling heel-blanks.	770,852	Sept. 27	3288	693	112	790
Groves, Abraham. (See Hamill, William J., assignor.)	749,788	Jan. 19	2535	583 530	108	602
Groves, Arthur, Sr., Ladue, Mo. Rotary engine	753,388	Mar. 1	309	69, 70	109	70
Groves, David C., Dunedin, and A. R. Stanton, South Dunedin, New Zealand. Apparatus for raising sunken vessels	760,535	May 24	3870	821	110	923
Groyen, Carl, Bonn, Germany. Manufacturing artificial stone from magnesit.	771,062	Sept. 27	3702	112	112	881
Grubb, Howard, Dublin, Ireland. Geodetical instrument	753,667	Feb. 23	3582	798 799	108	1889
Grubitz, Louis J., assignor of one-half to H. P. Wehrenbrecht, St. Louis, Mo. Heating-tank						
Gruender, Joseph J., St. Louis, Mo. Table-leg fastening.	754,135	Mar. 8	1820	405	109	418
Gruendike, Peter S., et al. (See Tower, William G., assignor.)	772,462	Oct. 18	2539	557	112	1546
Gruener, Peter, Cincinnati, Ohio. Steam-heated tipping kettle	766,442	Aug. 2	590	125	111	1169
Gruhn, Ernst K., assignor to Teleutograph, Gesellschaft mit Beschraenkter Haftung, Dresden, Germany. Facsimile-telegraph apparatus	758,701	May 10	2821	466	110	525
Gruhn, Ernst K., assignor to Teleutograph, Gesellschaft mit Beschraenkter Haftung, Dresden, Germany. Facsimile-telegraph apparatus	759,987	May 17	2823	591	110	670
Grumbine, William E., Baltimore, Md., and C. E. Beck, Allegheny, Pa. Railway-switch.	767,144	Aug. 9	3088	435	111	1523
Grunder, Erick, Carney, Mich. Containing-tool	751,757	Feb. 9	1740	394	108	1445
Grundell, Charles L. (See Tucker and Grundell.)						
Grundell, Charles L., and E. W. Tucker, San Francisco, Cal. Crude-oil burner	758,206	Apr. 26	3979	863	109	2249
Grundstrom, Anton, assignor to Phoenix Glass Company, Monaca, Pa. Device for scalloping glassware	769,073	Aug. 30	6022	1262	111	2451
Grundstrom, Anton, assignor to Phoenix Glass Company, Monaca, Pa. Scalloping glassware	769,135	Aug. 30	6147	1285	111	2479
Grüneberg, Carl, Pozsony, (Pressburg,) Austria-Hungary. Brush.	758,063	Apr. 26	3718	808	109	2190
Grüneberg, Carl, Pressburg, Austria-Hungary. Machine for drilling and plugging brush-backs	778,361	Dec. 27	3782	825	113	2291
Gruener, William M., and W. C. Fink, assignors of one-fourth to H. G. G. Fink, Springfield, Pa. Safety-trolley	758,592	Apr. 26	4755	1024	109	2422
Grüniger, Joseph, New York, N. Y. Beer-pump	752,668	Feb. 23	3587	799	108	1890
Grüniger, Joseph, New York, N. Y. Reciprocating hydraulic motor	766,243	Aug. 2	201	40	111	1055
Grunow, William, Jr., Bridgeport, Conn. Electrical switch operated by electromagnets	765,633	July 19	3498	738	111	792
Grunow, William, Jr., Bridgeport, Conn. Controlling electrical switches operated by electromagnets	765,634	July 19	3502	739	111	792
Grunow, William, Jr., Bridgeport, Conn. Electrical switch operated by electromagnets	765,635	July 19	3504	739	111	792
Grunsko, Rhinold W., Oshkosh, Wis. Truck	757,138	Nov. 15	3162	672	113	745
Grupe, Otto H., Alden, Iowa. Car-coupling	770,004	Sept. 13	1657	352	112	392
Gruss, Francis J., San Francisco, Cal. Vaginal syringe	750,276	Jan. 26	3450	745	108	818
Gschwind, Leon, Akron, Ohio. Shut-off valve	756,624	Apr. 5	820	177	109	1516
Guadina, Albert A., assignor of one-half to M. Baker, Chicago, Ill. Cover attachment for tables or counters	771,000	Sept. 27	3590	756	112	860
Gubrud, Adolph, Hudson, S. D. Machine for preparing and ridging corn ground.	766,823	Aug. 9	1446	301	111	1382
Gudex, V. A., et al. (See Farmer, Julius M., assignor.)						
Guedeney, Eugène A., and E. E. Harles, Paris, France. Arresting device for doors, gates, &c	776,178	Nov. 20	5345	1130	113	1274
Guelff, Elise, Hazelhurst, Pa. Kitchen-cabinet.	757,400	Apr. 12	2378	518	109	1864
Guenette, Regis, St. Jerome, Canada. Convertible trunk.	776,738	Dec. 6	553	121	113	1549
Guéniffet, Julien. (See Benoit, Guéniffet, and Nicault.)						
Guenther, Fred, Springvalley, Ill. Implement for detaching boards from structures	757,915	Apr. 19	3402	737	109	2104
Guenzburg, Isaac B., St. Petersburg, Russia. Sleeping appliance for passenger-cars.	749,930	Jan. 19	2808	1599	108	662
Guerin, Joseph, Chicago, Ill. Folding gate	763,604	June 28	3925	814	110	2352
Guernsey, Charles C. (See Heath, Forrest A., assignor.)						
Guertin, Israël. (See Labonté and Guertin.)						
Guertin, Victor. (See Oakley, Reuben A., assignor.)						
Guest, John H., Brooklyn, N. Y. Street-car electric railway	750,966	Feb. 2	347	83	108	1135
Guest, John H., Brooklyn, N. Y. Guard for third rails	769,862	Sept. 13	1389	296	112	333
Guest, Theodore M., assignor of one-half to G. P. Sommerville, Moravia, N. Y. Fruit or vegetable peeler	757,550	Apr. 19	2689	588	109	1947
Guest, Theodore M., assignor of one-half to G. P. Sommerville, Moravia, N. Y. Fruit or vegetable peeler	757,551	Apr. 19	2690	588	109	1947
Guett, William H. J., New York, N. Y. Show-case	754,443	Mar. 15	2483	540	109	577
Guett, Monroe, assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Rotary snap electric switch	751,728	Feb. 9	1742	394	108	1445
Gugenheim, Jonas, G. A. Capiton, L. D. Herrick, and H. Jacobs, Scranton, Miss. Drawers.	750,187	Jan. 19	3277	706 707	108	760
Guhl, Eugen. (See Tuerck, Robert, assignor.)						
Guice, William O. (See Metzger and Guice.)						
Guido, Dominic. (See Post, Lewis B., assignor.)						
Guignon, Henry A., Corry, Pa. Gas-stove	754,651	Mar. 15	2885	630	109	668
Guibert, Edmond, Woonsocket, R. I., assignor to Draper Company, Hopedale, Mass. Loom-temple	761,222	May 31	5275	1121	110	1241
Guild, Henry M., deceased, Erie, Pa., N. Y. Maxwell, executor, assignor, by mesne assignments, to C. A. Tyrrell, New York, N. Y. Syringe	757,654	Apr. 19	2906	632	109	1997
Guild, Leo, New York, N. Y. Jewel-setting	755,654	Mar. 29	4744	1055	109	1099
Guiler, John A., Connellsville, Pa. Railway-tie	767,145	Aug. 9	2989	435	111	1522
Guiles, Charles H., Addison, N. Y. Window-curtain-roller bracket	750,848	Feb. 2	132	30	108	1087
Guilford, Earle E., North Adams, Mass. Display-hanger	764,121	July 5	419	82	111	91
Guilfoyle, Edward A. (See Finn, John, assignor.)						
Guillaume, Emile, Paris, France. Accumulator and regulator	778,450	Dec. 27	3957	860	113	2328
Guinan, John, Brooklyn, N. Y. Guard for razors	757,655	Apr. 19	2907	632	109	1997
Guinan, John, Woodhaven, N. Y. Razor	757,656	Apr. 19	2908	632	109	1997
Guindon, Arthur, Montreal, Canada. Rotary engine	746,561	Jan. 5	583	133	108	132

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Guindon, Arthur, Montreal, Canada. Rotary engine.	757,455	Apr. 19	2481	543 544	109	1902
Guinn, Jesse H. (See Smith, Davis N., assignor.)						
Guinn, John B., and F. H. Andes, Knoxville, Tenn. Locomotive-tire gage	778,411	Dec. 27	3880	845	113	2313
Guinzburg, Edwin A., New York, N. Y. Slipper-sole.	764,941	July 12	2150	443	111	488
Guinzburg, Victor, assignor to I. B. Kleiener Rubber Company, New York, N. Y. Hose-supporter.	773,792	Nov. 1	487	106	113	114
Guionneau, Abel, assignor of two-thirds to C. M. Fueller and R. J. Cory, Denver, Colo. Ore-concentrator.	770,283	Sept. 20	2188	456 457	112	528
Guldin, Olaf N., Fort Wayne, Ind. Gas-washer.	764,049	July 5	269	51	111	62
Gull, Rudolf. (See Busch, Gull, and Barry.)						
Gulland, Charles, Pittsburg, Pa. Steam-trap.	758,965	May 3	767	153	110	178
Gullbransson, Gillis, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Blue-red lake and making same.	757,109	Apr. 12	1786		109	1738
Gulledge, George W., Briartown, Ind. Ter. Railway-tie.	769,074	Aug. 30	6023	1263	111	2452
Gullian, Senekerim, Buffalo, N. Y. Attachment for rugs.	760,392	May 17	3535	756	110	840
Gullick, John G., Brookings, S. D. Spark-arrester.	770,638	Sept. 20	2857	607	112	678
Gum and Sweetmeat Company. (See Pumphrey, Walter H., assignor.)						
Gumble, Bert J., Turkville, Kans. Cleaning attachment for currycombs.	758,836	May 3	510	103	110	122
Gummer, August M., assignor to Gem City Stove Co., Dayton, Ohio. Gas-mixer.	757,916	Apr. 19	3404	737	109	2105
Gummerson, Thomas E., Crestone, Colo. Railway-switch.	754,664	Mar. 15	3300	719	109	756
Gump, Leonard B., Blair, Pa. Car-replacer.	759,702	May 10	3252	466	110	525
Gumz, Richard, Berlin, Germany. Zither.	755,572	Mar. 22	4572	1017	109	1046
Gunkel, Winfield O., Chicago, Ill. Grip for cable-railways.	777,852	Dec. 20	2755	606	113	2059
Gunder, Claude A., Bloomfield, Ind. Vending-machine.	770,710	Sept. 20	3009	639	112	711
Gundermann, Wilhelm, Erfurt, Germany. Photographic camera.	752,970	Feb. 23	4199	935	108	2027
Gundermann, Wilhelm, Erfurt, Germany. Folding photographic camera.	762,164	June 7	1045	220	110	1665
Gundlach, Ernst, Western Springs, Ill. Electric telephone.	751,501	Feb. 9	1321	302	108	1358
Gundlach, Ernst, Berwyn, Ill., assignor to American Telephone & Telegraph Company. Electric telephone.	762,830	June 14	2399	522	110	1976
Gundlach, John P., Belleville, Ill. Packing for piston-rods or the like.	755,479	July 19	3179	664	111	723
Gunn, Charles D., Amery, assignor of one-half to L. Soderberg, Fredric, Wis. Meat-tender.	756,356	Apr. 5	331	68	109	1414
Gunn, Charles H., San Jose, Cal. Clothes-washing device.	754,934	Oct. 15	3397	742	109	776
Gunn, Charles H., Stockton, Cal. Cuspidor-carrier.	771,979	Mar. 11	1531	344	112	1299
Gunn, Charles H., assignor of one-half to M. A. Kaiser, Angels Camp, Cal. Cuspidor-carrier.	768,697	Aug. 30	5674	1193	111	2375
Gunn, James D., Thomasville, Ga. Belt-support.	773,254	Oct. 25	4271	903	112	1949
Gunn, Robert T., and E. C. Hathaway, Norfolk, Va. Combined rail joint and bond.	751,910	Feb. 9	2104	475	108	1527
Gunn, William P. (See Lindsay and Gunn.)						
Gunnell, Elias, Chicago, Ill. Supporting apparatus for impact-tools.	750,967	Feb. 9	351	84	108	1135
Gunnell, Elias, Chicago, Ill. Pneumatic hammer.	751,072	Feb. 2	530	123	108	1176
Gunnell, Elias, assignor of one-half to W. I. Babcock, Chicago, Ill. Pneumatic hammer.	751,072	Apr. 5	332	69	109	1415
Gunnell, William, and W. O'Poole, Pittsburg, Pa. Lamp-burner.	753,065	Feb. 23	4373	973	108	2066
Günther, Fritz, assignor to Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Photographic developing-paper.	758,312	Apr. 26	4211	905	109	2302
Günther, Fritz C. (See Julius, Reindel, and Günther.)						
Gunttrum, Carl. (See Selg and Gunttrum.)						
Gurd, John A., New York, N. Y., and J. R. Gurd, London, Canada. Broom-girdle.	751,502	Feb. 9	1324	302	108	1359
Gurd, John R. (See Gurd, John A. and J. R.)						
Gurley, Schuyler C., Indianapolis, Ind. Electric railway-switch.	769,685	Sept. 6	1046	225	112	239
Gurley, W. & L. E. (See Hubbard, Elmer W., assignor.)						
Gurlitt, Andreas, et al. (See Buhtz, Ernst, assignor.)						
Gurnee, Isaac C., Butler, N. J., assignor to American Hard Rubber Company, New York, N. Y. Atomizer.	769,741	Sept. 13	1149	247	112	278
Gurney, Howard F., Jersey City, N. J. Safety-catch for elevator cars and counter-weights.	768,976	July 5	96	15	111	30
Gurney, Howard F., Jersey City, and B. E. Westlin, Arlington, N. J. Safety-lock for elevator-shafts.	759,708	May 10	2253	466 467	110	526
Gurr, William P., assignor to Rose Manufacturing Company, Minneapolis, Minn. Picture-hanging device.	769,695	Sept. 13	1068	230	112	261
Gurtner, Adolf A., Bern, Switzerland. Photographic plate.	753,977	Mar. 8	1524	340	109	352
Gury, John B., St. Louis, Mo. Round-corner-case-making machine.	770,284	Sept. 20	2195	458	112	539
Gushva, Charles, and O. D. Harper, Garrett, Ind. Railway-switch.	767,518	Aug. 16	2811	588	110	1770
Gusinde, Alois, Berlin, Germany. Apparatus for teaching singing.	773,839	Feb. 23	3399	874	108	1953
Guss, Samuel M., Reading, Pa. Reversing-valve for furnaces.	775,563	Nov. 22	4131	868	113	983
Gustafson, Bernhard. (See Carlstedt and Gustafson.)						
Gustafson, Charles J., Chattanooga, Tenn. Self-lubricating wheel for cars, &c.	751,635	Feb. 9	1576	358	108	1412
Gustafson, Charles J., Chattanooga, Tenn. Brake for mine-cars, &c.	769,261	Sept. 6	243	56, 57	112	32
Gustavsen, Charles O., Chicago, Ill. Machine for rolling helicoids or spiral conveyers.	760,448	May 24	3701	733	110	884
Gustavus, Ernst R., assignor to Reliance Boiler Works, Oshkosh, Wis. Feed-water-heater.	764,457	July 5	1119	227	111	247
Gustin, A. D. (See Miner, Walter, assignor.)						
Gutberlet, Arthur, Leipzig-Gohlis, Germany. Machine for feeding sheets of paper.	761,069	May 31	4989	1058	110	1180
Gutensohn, Adolf, Southend, England. Composition of matter for purifying sea or hard water.	773,494	Oct. 25	4784		112	2058
Guth, Frederick, Lincoln, Ill. Music-leaf turner.	756,848	Apr. 12	1268	282	109	1630
Guth, Jacob, Salem, Ill. Rule, square, and miter.	778,659	Dec. 27	4356	951	113	2416
Guth, Samuel, Washington, Ill. Portable grain-dump.	760,862	May 24	4545	960	110	1067
Guthrie, George H. (See Macomber and Guthrie.)						
Guthrie, Wilber E., Chambersburg, Pa. Electric-railway system.	764,942	July 12	2151	445	111	488
Gutman, Frederick O., Cleveland, Ohio. Tuning-peg.	778,128	Dec. 20	3315	727	113	2173
Gutman, Frederick O., assignor to Royal Music Company, Cleveland, Ohio. Musical instrument.	775,817	Nov. 22	4626	981	113	094
Gutmann, Actiengesellschaft für Maschinenbau, Alfred. (See Gutmann, Gottfried R. A., assignor.)						
Gutmann, Gottfried R. A., Hamburg, assignor to A. Gutmann, Actiengesellschaft für Maschinenbau, Altona-Ottensen, Germany. Sand-blast machine.	777,201	Dec. 13	1452	321	113	1764
Gutmann, Ludwig, Peoria, Ill. Regulating alternating-current generators and circuits.	769,342	Sept. 6	405	93, 94	112	88
Gutmeyer, Jakob. (See Semle, Albrecht, assignor.)						
Gutshall, Robert S., Denver, Colo. Tent.	751,392	Feb. 2	1142	259 260	108	300
Gutstein, Adolf, assignor of one-half to H. Licht, New York, N. Y. Shears.	752,339	Feb. 16	2932	653	108	730
Guttman, Harry J., Chicago, Ill. Transmitter-arm.	761,671	June 7	98	16	110	45

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Guttman, Harry J., Chicago, Ill., assignor to Strowger Automatic Telephone Exchange. Binding-post	774,469	Nov. 8	1784	385	113	414
Guttman, Julius, New York, N. Y. Suspend-clip	778,780	Dec. 27	4565	999	113	2463
Guttman, Oscar, London, England. Apparatus for condensing nitric acid	771,629	Oct. 4	807	180	112	1132
Gutzet, Wilhelm, Charlottenburg, Germany. Manufactured plate for ceiling constructions	756,015	Mar. 23	5177	1208	109	1265
Guy, Charles, assignor of one-half to F. Charles Jola, Kans. Bag fastener	753,978	Mar. 8	1335	340	109	332
Guy, Edward A., Findlay, Ohio. Shackle-rod connector	760,621	May 24	4040	859	110	959
Guy, Edward A., Findlay, Ohio. Sucker-rod coupling	764,943	July 12	2153	446	111	488
Guy, George G. (See Mansfield and Guy.)						
Guy, George G., assignor to United States Wind Engine & Pump Company, Batavia, Ill. Tie-rod connection	752,065	Feb. 16	2407	537	108	1611
Guy, George G., assignor to United States Wind Engine & Pump Company, Batavia, Ill. Valve	760,449	May 24	3708	784	110	884
Guy, James. (See McGhee, John W., assignor.)						
Guye, Paul A., Paris, France. Projectile for loading practice	759,516	May 10	1906	383	110	431
Guynan, Richard B., Philadelphia, Pa. Railway-rail	749,183	Jan. 12	1290	277	108	316
Guynes, Allen P. (See Payne and Guynes.)						
Guyon, Joseph L., assignor of one-half to R. E. Durham, Chicago, Ill. Polishing-bag	768,938	Aug. 30	5758	1210	111	2395
Guyton, Henry P., Chicago, Ill. Box	751,790	Feb. 9	1859	423	108	1471
Guyton, Isaac, Coleman, Tex. Cotton-planter	764,455	July 5	1120	227	111	248
Guzowski, Joseph, assignor of two-thirds to F. P. Kujawski and J. Matz, Chicago, Ill.	752,669	Feb. 23	3590	800	108	1890
Gvatsovsky, A. L. (See Zimmermann and Langos, assignors.)						
Gwathmey, Christopher B., assignor to Gwathmey Manufacturing Co., Brooklyn, N. Y. Folding go-cart	759,272	May 10	1428	284	110	347
Gwathmey Manufacturing Co. (See Gwathmey, Christopher B., assignor.)						
Gwyn, George W., J. Traylor, and H. E. Robbins, Smyrna, Tenn. Railway cattle-guard	767,748	Aug. 16	3232	681	111	1794
Gwynes, George B., Americus, Ga. Plow-point	756,849	Apr. 12	1270	282	109	1630
Gwynn, Emmer F., Pittsburg, Pa. Fuel-burner. (Reissue.)	12,293	Dec. 6	1200	262	113	1695
H. Krantz Manufacturing Company. (See Krantz and Müller, assignors.)						
H. B. Smith Machine Company. (See Vivarittas, William O., assignor.)						
H. B. Smith Machine Company. (See Wise, Solomon F., assignor.)						
H. C. Fry Glass Company. (See Watson, Harry C., assignor.)						
H. C. Miller & Company. (See Miller, Henry C., assignor.)						
H. C. White Co. (See Ingersoll, Truman W., assignor.)						
H. C. White Co. (See White, Hawley C., assignor.)						
H. C. White Co. (See White, Hawley C. and H. C. assignors.)						
H. C. White Co. (See White and Mallison, assignors.)						
H. E. Lindsey Electrical Supply Company. (See Pillsbury and Bretch, assignors.)						
H. H. Franklin Manufacturing Company. (See Underwood, Herbert G., assignor.)						
H. K. Miller Manufacturing Company. (See Nelson, Clinton D., assignor.)						
H. L. Dixon Company. (See Côté, Napoleon, assignor.)						
H. L. Dixon Company. (See Dixon, Henry L., assignor.)						
H. L. Hurst Manufacturing Company. (See Hurst and Wertz, assignors.)						
H. T. Marshall Machine Company. (See Marshall, Charles S., assignor.)						
H. W. Butterworth & Sons Company. (See Butterworth, Charles C., assignor.)						
H. W. Johns-Manville Company. (See Lyman, Thomas T., assignor.)						
Haag, Anthony, New York, N. Y. Building construction	760,688	May 24	4191	890	110	991
Haag, Paul, Chicago, Ill., assignor to Pope Manufacturing Company, Jersey City, N. J. Frame for bicycles	748,602	Jan. 5	85	22	108	21
Haak, Harry C. (See Cramer and Haak.)						
Haan, John F., Chicago, Ill. Delivery mechanism for printing-presses	768,850	Aug. 30	5582	1172	111	2353
Haar, Fred C., Gibsonburg, Ohio. Well-drilling machine	761,958	June 7	680	137	110	1588
Haarmann & Reimer, Chemische Fabrik zu Holzminden, G. M. B. H. (See Schmidt, Richard, assignor.)						
Haarmann & Reimer, Chemische Fabrik zu Holzminden, Gesellschaft mit Beschränkter Haftung. (See Kerschbaum, Max, assignor.)						
Haas, Cyrus A., and B. Kochs, assignor to Schoenthaler Manufacturing Company, St. Louis, Mo. Packing-frame for shipping-boxes	767,749	Aug. 16	3223	681	111	1795
Haas, Edward, San Antonio, Tex. Sash-cord holder	759,367	May 10	1626	325	110	388
Haas, Frederick, Baltimore, Md. Scaffold-bracket	770,685	Sept. 20	2950	627	112	700
Haas, Harold M., Cincinnati, Ohio. Washboard	754,300	Mar. 8	2191	472	109	483
Haas, Isaac H., Atlanta, Ga. Spring-bed	763,698	Mar. 1	932	211	109	201
Haas, William G., New York, N. Y. Feed-box	772,713	Oct. 18	3030	664	112	1651
Haase, Albert, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Producing small-caliber jacketed steel projectiles	776,056	Nov. 29	5110	1081	113	1220
Haase, Charles L., Jr., Milwaukee, Wis. Yielding shaft	773,320	Oct. 25	4392	920	112	1974
Habel, Richard P., Sturgis, S. D. Lamp	758,066	Feb. 23	4375	974	108	2066
Haberstick, Peter F., Wheeling, W. Va. Initiation apparatus	766,614	Aug. 2	978	205	111	258
Habicht, Franz E., et al. (See Nostrand, Theodore D., assignor.)						
Habicht, William C., Baltimore, Md. Ball-bearing pulley	761,477	May 31	5759	1229	110	1350
Hacherelle, Louis E., New York, N. Y. Protector for pin-tickets	760,437	Sept. 6	583	128	112	132
Hacherelle, Louis E., New York, N. Y. Charm for pin-tickets	770,573	Sept. 20	2734	579	112	651
Hachmann, Frederick, St. Paul, assignor of one-third to L. H. Stiles, Red Wing, Minn. Wrench	775,398	Nov. 22	3762	796	113	908
Hachmann, Frederick, St. Paul, assignor of seven-eighths to G. G. Wheat, E. B. Persons, Minneapolis, F. L. Gazzolo and J. R. Patty, St. Paul, Minn. Fish-line float	768,557	June 28	3645	833	110	2335
Hachmann, Frederick, assignor of thirty thirty-seconds to F. L. Gazzolo, J. R. Patty, T. L. Billingsley, S. B. Shotwell, O. Muller, and C. Brenck, St. Paul, Minn. Self-rolling bearing	766,244	Aug. 2	304	40	111	1086
Hachmann, Frederick, assignor of thirty thirty-seconds to F. L. Gazzolo, J. R. Patty, T. Billingsley, S. B. Shotwell, O. Muller, and C. Brenck, St. Paul, Minn. Self-rolling trolley	768,121	Aug. 23	4084	859	111	2002
Hack, Ernest B., assignor to American Filter Press Extraction Company, Denver, Colo. Filter-press	749,140	Jan. 5	1194	255	108	277
Hacker, Emanuel M., assignor to Style Manufacturing Co., New York, N. Y. Hat	754,213	Mar. 8	1974	438	109	450
Hacker, George, St. Louis, Mo. Incubator	749,858	Jan. 19	2658	568	108	628
Hacker, George, St. Louis, Mo. Watering apparatus for poultry-houses	759,154	Feb. 16	2571	571	108	1647
Hacker, George, St. Louis, Mo. Water-supply apparatus for cattle, poultry, &c	752,155	Feb. 16	2572	572	108	648

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Hacker, George, St. Louis, Mo. Stock-watering apparatus	732,137	Feb. 16	2575	573	108	1648
Hacker, George, St. Louis, Mo. Food-receptacle	729,313	Sept. 6	356	119	117	67
Hacker, George, St. Louis, Mo. Brooder	770,364	Sept. 20	3345	494	113	565
Hacker, George, St. Louis, Mo. Brooder	770,365	Sept. 20	2346	494	112	565
Hacker, George, St. Louis, Mo. System of heating and ventilation for brooders	770,366	Sept. 20	2348	495	112	565
Hacker, George, assignor of one-half to H. J. Vollmer, St. Louis, Mo. Clamping device	732,156	Feb. 16	2574	572	108	1648
Hacker, Matt A., assignor to himself, J. S. Gardner, L. A. West, Irvine, and C. P. Chenuit, Frankfort, Ky. Sound-magnifier for relays	751,982	Feb. 9	2272	508	108	1562
Hackerd, Henry H., Manson, Ind. Kilo-door	754,559	Mar. 15	2926	588	109	626
Hackett, Charles H., assignor to W. W. Marsh, Waterloo, Iowa. Liner for centrifugal liquid-separators	767,519	Aug. 16	2813	588	111	1700
Hackett, William N., Boston, Mass. Automatic car-gate	760,536	May 24	3871	821	110	923
Hacking, Henry H. (See Hacking, William H. and R. H.)						
Hacking, John G., et al. (See McIntyre, David, and assignor.)						
Hacking, Robert. (See Leighton and Hacking.)						
Hacking, William H. and H. H., Bury, England. Weft-replenishing mechanism for looms	754,560	Mar. 15	2707	588	109	626
Hackl, Wenzel. (See Szuk and Hackl.)						
Hackman, Samuel D., Burroak, Mich. Building-block	764,459	July 5	1122	228	111	248
Hackmann, Frederick W., St. Louis, Mo. Automatic stop for elevators	774,751	Nov. 15	2374	512	113	565
Hadaller, Joseph and M., Effingham, Ill. Milk-cooler	733,699	Mar. 1	933	211	109	201
Hadaller, Maria. (See Hadaller, Joseph and M.)						
Hadaway, John B., Brockton, Mass. Flap-lap	759,273	May 10	1429	285	110	347
Hadden, George L. (See Taylor, Doctor E. and assignor.)						
Hadden, Maurice E., Savannah, N. Y. Heater for sad-irons	770,005	Sept. 13	1659	352	112	392
Hadden, William A., New York, N. Y. Spring-roller	778,660	Dec. 27	4357	952	113	2417
Haddock, Henry E., assignor to J. A. Brill, Philadelphia, Pa. Convertible car	761,296	May 31	5433	1154	110	1274
Haddock, William S., Uniontown, Pa. Telephone attachment	769,693	Sept. 13	1391	233	112	333
Hadfield, John H., Fall River, Mass. Smash-protector for looms	768,236	June 7	1181	253	110	1696
Hadfield, Robert A., Sheffield, England. Manufacture of hardened-steel projectiles or other articles	754,301	Mar. 8	2132		109	483
Hadfield, Robert A., Sheffield, England. Making magnetic materials	767,110	Aug. 9	3017		111	1509
Hadfield, Samuel, New York, N. Y. Hoisting apparatus	768,746	Aug. 30	5365	1130	111	2305
Hadley, Artemus N., Indianapolis, Ind. Hoisting apparatus	768,337	Aug. 23	4471	939	111	2085
Hadley, Charles E., Chicopee, Mass. Blindstitch sewing-machine	768,328	Aug. 23	4474	940	111	2086
Hadley, Charles E., Chicopee, Mass. Feeding mechanism for sewing-machines	771,010	Sept. 27	3590	756	112	860
Hadley, Charles E., Chicopee, assignor to J. W. Hyde, Springfield, Mass. Fur-sewing machine	765,239	July 19	2678	557	111	616
Hadley, Edward, Ottawa, Kans. Ice-cream-packing cabinet	751,168	Feb. 2	716	164	108	1210
Hadley, Joshua A., Brazil, Ind. Banana-crate	754,444	Mar. 15	2485	541	109	577
Hadley, Joshua A., Brazil, Ind., and E. B. Putnam, Carbondale, Ill. Miner's lamp	757,189	Apr. 12	1953	427	109	1778
Haederlein, Max, assignor to firm of J. M. Voith, Heidenheim-on-the-Brenz, Germany. Fly-ball governor	766,615	Aug. 2	979	205	111	1259
Haebler, Anton J., assignor of twelve one-hundredths to T. Mackenzie, Baltimore, Md. Spark-arrester	776,239	Nov. 29	5476	1159	113	1305
Haeckel, Siegfried. (See Julius and Haeckel.)						
Haeefe, Hannah B., Milwaukee, Wis. Toy block	756,625	Apr. 5	831	177	109	1316
Haeefe, John F., Bridgeport, Conn. Shoe-fastener	763,177	June 21	3086	667	110	2152
Haefliger, Cecile, Denver, Colo. Fastening device	767,812	Aug. 16	3371	713	111	1824
Haefner, Clarence E. (See Lake and Haefner.)						
Haeg, Carl E., Munich, Germany. Head-rest for shaving-chairs	749,184	Jan. 12	1291	278	108	316
Haes, Hubert, London, England. Billiard-cue and tip therefor	771,727	Oct. 4	987	221	112	1170
Haessler, Charles H., Philadelphia, Pa., assignor to Haessler-Ingersoll Pneumatic Tool Company, New York, N. Y. Throttle-valve mechanism for pneumatic hammers	768,898	Aug. 30	5675	1193	111	2375
Haessler-Ingersoll Pneumatic Tool Company. (See Haessler, Charles H., assignor.)						
Haeske, Charles, South Bend, Ind. Suspended wheel-jack	765,278	July 19	2732	574	111	632
Haesner, Adalbert, Munich, Germany. Electric lock	767,050	Aug. 9	1880	394	111	1480
Hafer, John W., Bellefonte, Pa. Rail-joint coupling	755,764	Mar. 29	4990	1110	109	1154
Hafgar, Magnus J., Chicago, Ill. Type-writer cabinet	778,661	Dec. 27	4359	952	113	2417
Hagan, Charles. (See Hagan, Louis T. and C.)						
Hagan, John C., et al. (See Morris, John O., assignor.)						
Hagan, Louis T. and C., Winchester, Ky. Valve-gear for explosive-engines	757,917	Apr. 19	3466	737	109	2105
Hagans, Christian, Erfurt, Germany. Superheater	771,630	Oct. 4	809	180	112	1132
Hagar, Edward M. (See Bechtel and Hagar.)						
Hagar, Frank D., assignor to Hagar Shoe Machinery Company, Boston, Mass. Loose-nailing machine	755,227	Mar. 22	3942	873	109	911
Hagar, George H., Denver, Colo. Device for displaying and vending cigars	753,837	Mar. 1	1229	276	109	263
Hagar Shoe Machinery Company. (See Hagar, Frank D., assignor.)						
Hagar, Smith, Massies Mill, Va. Sickle-bar	770,006	Sept. 13	1659	352	112	392
Hage, Eduard, Hildesheim, Germany. Burner for gas-stoves	760,736	July 24	4395	934	111	1035
Hagedorn, John H., Cleveland, Ohio. Upholstering-machine	777,019	Dec. 6	1116	243	113	1674
Hageman, James E. (See Hageman, Randolph F. and J. E.)						
Hageman, Randolph F. and J. E., New Madison, Ohio. Car-mover	762,901	Dec. 21	2564	557	110	2033
Hagemeister, Amos. (See Nilson and Hagemeister.)						
Hagen, Arthur T., and D. M. Cooper, assignors to A. T. Hagen Company, Rochester, N. Y. Ironing-machine	761,672	June 7	96	16,17	110	1459
Hagen, Claude L., New York, N. Y. Training-machine	767,231	Aug. 9	2241	466	111	1555
Hagenbach, Eugene, Rochester, N. Y. Funnel	766,616	Aug. 2	980	206	111	1259
Hager, Harry, Chicago, Ill. Automatic weighing-scale	765,920	July 26	4043	864	111	920
Hager, Harry, Chicago, Ill. Automatic weighing-scale	765,921	July 26	4045	864	111	920
Hager, Herman H., Detroit, Mich. Packaging of medicines for hypodermic purposes	766,344	Aug. 2	412	87	111	1131
Hager, Robert, assignor, by mesne assignments, of one-half to J. J. Hauer, St. Louis, Mo. Fire-kindler	754,062	Mar. 8	1679	373	109	386
Hager, Rudolf, Halensee, near Berlin, Germany. Electrode	749,185	Jan. 12	1292	278	108	316
Hagerty, L. D. (See Carlisle and Elder, assignors.)						
Hagerty, L. D. (See Elder, John R., assignor.)						
Haggard, Charles L., Seattle, Wash. Means adapted to facilitate the recording and rendering of accounts	772,036	Oct. 11	1653	370	112	1328
Haggard & Marcusson Company. (See Reed, Joseph J., assignor.)						
Haggarty, John M., et al. (See Dotts, Hiram S., assignor.)						
Haggerty, Charles H., Brooklyn, N. Y. Expansion-bolt	750,536	Jan. 26	9956	856	108	926

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			Spec.	Dr. & Er.	
Haggerty, Lenora B., Vienna, N. J. Tree-protector.....	770,461	Sept. 20	2507	532	112 599
Haggstrom, Charles J., Warren, Pa. Fire-escape.....	750,640	Jan. 26	4121	894	108 961
Hagland, John, Chicago, Ill. Skirt-supporter and waist-retainer.....	777,896	Dec. 20	2849	626	113 2079
Hagman, William J., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Multiple-speed gearing.....	749,196	Jan. 12	1293	278	108 316
Hagner, Alexander E., Hagerstown, Md. Drying apparatus for grain bins.....	764,237	July 5	668	136	111 149
Hagstrom, John R., Brooklyn, N. Y. Fly-trap.....	767,146	Aug. 9	2090	436	111 1523
Hague, John L., Los Angeles, assignor of one-half to F. Monaghan, Santa Ana, Cal. Hydrocarbon-burner.....	759,881	May 17	2614	547	110 622
Hague, John L., Los Angeles, assignor of one-half to F. Monaghan, Santa Ana, Cal. Oil-gas burner.....	778,577	Dec. 27	4195	915	113 2380
Hague, Snyder L., Salt Lake City, Utah. Retort.....	759,988	May 17	2825	591	110 671
Hague, Snyder L., Salt Lake City, Utah. Retort.....	775,448	Nov. 22	3862	817	113 930
Hahn, Herman, San Francisco, Cal. Non-refillable bottle.....	749,288	Jan. 12	1518	332	108 365
Hahn, John, assignor of one-fourth to G. Gartling, Los Angeles, Cal. Pump.....	753,828	Mar. 1	1231	277	109 263
Hahn, Paul, Niederlahnstein, Germany. Machine for mercerizing yarn.....	755,765	Mar. 29	4992	(1111)	109 1154
Haid, Henry D., and H. L. Bissett, Springfield, Mo. Fire-curtain.....	764,582	July 12	1403	287	111 323
Haigh, Joseph, Wetmore, Kans. Trunk-protector.....	754,302	Mar. 8	2138	472	109 483
Haigh, Joseph, Wetmore, assignor to McPike Drug Company, Atchison, Kans. Portable syringe.....	758,643	May 3	74	15	110 21
Haigh, Samuel, Vancouver, Canada. Machine for venting and restopping vents of cans.....	767,222	Aug. 9	2243	(467)	111 1555
Hail, Edward L. and G. Providence, R. I., assignors to American Equipment Company, Kittery, Me. Alarm-signal.....	762,821	June 14	2401	523	110 1977
Hail, George. (See Hail, Edward L. and G.)					
Hail, Henry H., et al. (See Lundquist, Erick G., assignor.)					
Hail, William A., et al. (See Lundquist, Erick G., assignor.)					
Haiman, Elias, Cleveland, Ohio. Stringtree or doubletree.....	757,866	Apr. 19	3305	716	109 2082
Hain, Ralph B., assignor to Auto Vehicle Company, Los Angeles, Cal. Safety spark-shifting device for explosive-engines.....	762,708	June 14	2178	474	110 1928
Haines, Charles, Canton, Ohio, assignor of one-half to F. L. Union, Chicago, Ill. Metal stas or posts.....	762,902	June 21	2566	557	110 2033
Haines, Enoch, Lakewood, Ohio. Horticultural implement.....	757,739	Apr. 19	3074	669	109 2031
Haines, Jones & Cadbury Company. (See Grantland, John W., assignor.)					
Haines, Lyman L., et al. (See Humphrey, Crawford H., assignor.)					
Haines, William L., and R. J. Gray, Jr., Saginaw, Mich. Collapsible package or crate.....	767,051	Aug. 9	1883	394	111 1480
Hailey, Andrew, Central Falls, R. I. Cloth-printing machine.....	762,165	June 7	1047	(220)	110 1666
Hains, Peter C., Washington, D. C., and C. R. Weaver, Baltimore, Md.; said Weaver assignor to said Hains. Lifting-bucket.....	763,391	June 28	3542	763	110 2271
Hainsfurther, Sol, et al. (See Osborne, John W., assignor.)					
Hair, James, Oamaru, New Zealand. Whiffletree.....	772,233	Oct. 11	2073	453	112 1420
Hakes, Otto F., Dunkirk, N. Y. Speed-indicating attachment for vehicles.....	773,565	Nov. 1	65	13	113 19
Hakes, Theodore M., Boston, Mass. Saw-setting machine.....	775,035	Nov. 15	2946	628	113 697
Halbrook, Joseph A., Bridgeport, Wash. Extension car-step.....	778,190	Dec. 20	3425	753	113 2195
Haldauld, Alfred M., Pleasantgrove, Utah. Apparatus for treating seed-grain.....	764,122	July 5	420	82	111 92
Haldeman, Frank M., Alpena, Mich. Cement-kiln.....	769,742	Sept. 13	1151	(247)	112 279
Haldeman, John R. (See Haldeman, Oliver C. and J. R.)					
Haldeman, John R., Springfield, Mo. Dust-spraying machine.....	750,968	Feb. 2	352	84	108 1136
Haldeman, Oliver C., Upland, Nebr., and J. R. Haldeman, Independence, assignors, by mesne assignments, to Haldeman Porcelain Crown Company, Kansas City, Mo. Artificial denture.....	758,750	May 3	348	69	110 85
Haldeman, Oliver C., and J. R., assignors to Haldeman Porcelain Crown Company, Kansas City, Mo. Artificial denture.....	764,528	July 5	1263	259	111 276
Haldeman Porcelain Crown Company. (See Haldeman, Oliver C. and J. R., assignors.)					
Halden, Joseph, Manchester, England. Apparatus for removing surplus moisture from photoprints, &c.....	757,456	Apr. 19	2468	545	109 1904
Hale, Albert L., Chicago, Ill. Clipping or grooming machine.....	766,182	Aug. 2	51	10	111 1052
Hale, George C., et al. (See Keefe, William J., assignor.)					
Hale, George C., assignor of one-half to O. C. Wiesner, Kansas City, Mo. Fire-extinguisher.....	749,688	Jan. 12	2311	488	108 536
Hale, Henry S., Philadelphia, Pa. Combination toilet apparatus.....	763,178	June 21	3099	667	110 2152
Hale, Henry S., Philadelphia, Pa. Combination toilet apparatus.....	763,280	June 21	3285	709	110 2193
Hale, Henry S., Philadelphia, Pa. Switch-operating device for street-railways.....	769,900	Sept. 13	1447	(310)	112 343
Hale, Henry S., Philadelphia, Pa. Seat-cushion.....	778,239	Dec. 27	3515	773	113 2234
Hale, John F., Chicago, Ill., assignor to Warren Webster and Company. Oil-separator.....	752,066	Feb. 16	2408	537	108 1611
Hale, John F., Chicago, Ill., assignor to Warren Webster and Company. Steam-trap.....	752,067	Feb. 16	2410	(537)	108 1611
Hale and Kilburn Manufacturing Company. (See Bennett, Frederick, assignor.)					
Hale and Kilburn Manufacturing Company. (See Budd, Edward G., assignor.)					
Hale, Mary. (See Cooper and Hale.)					
Hale, William B., assignor to Western Electric Company, Chicago, Ill. Key for cable-testing.....	752,158	Feb. 16	2575	573	108 1648
Hale, William M., Nashville, Tenn. Filling apparatus.....	751,393	Feb. 2	1143	260	108 1300
Hale, Harmon E., Robinson, Utah. Tray attachment for bedsteads.....	763,281	June 21	3287	709	110 2193
Haley, George F. (See Duff, John W., assignor.)					
Haley, Jonathan. (See Bridgewater and Haley.)					
Haley, Jonathan, Akron, Ohio. Bottle or jar press.....	759,989	May 17	2826	(592)	110 671
Haley, Jonathan, assignor to Akron Glass and Machinery Company, Akron, Ohio. Apparatus for making cylinder glass.....	766,183	Aug. 2	55	10	111 1053
Haley, Jonathan, assignor to Akron Glass and Machinery Company, Akron, Ohio. Conveying apparatus.....	770,523	Sept. 20	2641	559	112 629
Haley, Thomas S., assignor to Wire Novelty Manufacturing Company, New Haven, Conn. Wire-working machine.....	749,730	Jan. 19	2418	(511)	108 575
Haley, Timothy, Xenia, Ohio. Valve for air-brakes.....	749,859	Jan. 19	2660	528	108 629
Halfaker, William H., Clark township, Johnson county, Ind. Grave-protector.....	752,902	Feb. 2	4028	902	108 1988
Haliday, James B., Washington, D. C. Shutter-fastener.....	757,298	Apr. 23	2159	473	109 1820
Halid, Ole E., Minneapolis, Minn. Double-acting spring-hinge.....	777,673	Dec. 20	2381	524	113 1980
Hall, Adelbert M., Baldwin, Kans. Farm-gate.....	777,674	Dec. 20	2382	524	113 1980
Hall, Albert H., Quincy, Mass. Fare-register-rod-operating handle.....	770,901	Sept. 27	3382	714	112 811

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			Spec.	D'g.	Vol.	Page.
Hall, Andy E., Eagle Grove, Iowa. Clothes-line reel and stretcher	760,450	May 24	3705	784	110	885
Hall, B. M. (See Bethune, Walter M., assignor.)						
Hall, Benjamin, Nevada City, Cal. Hydrocarbon steam-generator	769,901	Sept. 13	1449	310	112	344
Hall, Bicknell, assignor to Huber-Hodgman Printing Press Company, Taunton, Mass. Mechanical movement	753,389	Mar. 1	313	71	109	71
Hall, Bicknell, assignor to Huber-Hodgman Printing Press Company, Taunton, Mass. Mechanical movement. (Reissue)	12,262	Aug. 23	5002	1049	111	2307
Hall, Charles F., Chicago, Ill., assignor to Hall Rail Joint Company. Rail-joint	766,033	July 26	4266	913	111	968
Hall, Charles H., Jacksonville, N. C. Lumber-drying kiln	764,460	July 5	1123	229	111	248
Hall, Charles L., et al. (See Willard, James A., assignor.)						
Hall, Charles M., Niagara Falls, N. Y. Explosive compound	763,665	June 28	4052	1110	110	2380
Hall, Charles M., Niagara Falls, N. Y. Explosive compound	763,666	June 28	4053	1110	110	2380
Hall, Chester P., Chicago, Ill. Automatic elevator-retarding device	763,569	Mar. 1	675	152	109	149
Hall, Chester P., Chicago, Ill. Automatic elevator-retarding device	763,570	Mar. 1	678	152	109	149
Hall & Clark Needle Company. (See Hall, E. J., assignor.)						
Hall, Cofran I., San Francisco, Cal. Rope-gearing for elevators	773,736	Nov. 1	384	85	113	91
Hall, Cortez D., assignor to Akron Extract & Chemical Company, Akron, Ohio. Perfuming device	769,864	Sept. 13	1392	297	112	333
Hall, Daniel E., Somerville, Mass. Steering apparatus	761,223	May 31	5277	1121	110	1242
Hall, Dupree M., Memphis, Tenn. Bottle	768,526	Aug. 23	4885	1024	111	2182
Hall, Edward L., New York, N. Y. Portable dark room	773,969	Nov. 29	4951	1045	113	1183
Hall, Edward M., Raymondville, N. Y. Plug	778,662	Dec. 27	4361	952	113	2118
Hall, Edwin A., Hydepark, Mass. Air and gas regulating apparatus	754,303	Mar. 8	2135	473	109	484
Hall, Elmer E., Chicago, Ill. Vacuum syringe	771,386	Nov. 8	1631	350	113	384
Hall, Eva J., assignor to Hall & Clark Needle Company, Minneapolis, Minn. Sewing-machine needle	775,086	Nov. 15	2947	628	113	697
Hall, Frank. (See Freeman, George W., assignor.)						
Hall, Frank E. (See Bond, John, assignor.)						
Hall, Frank E., Quincy, Mass., assignor to Hall Gasolene Engine Company, Portland, Me. Gas-engine	773,206	Oct. 25	4184	884	112	1290
Hall, Frederick W., Camden, N. J., assignor of one-half to J. W. Paxson Company, Philadelphia, Pa. Vibrator for molding apparatus	750,641	Jan. 26	4122	894	108	961
Hall, Frederick W., Camden, N. J., assignor of one-half to J. W. Paxson Company, Philadelphia, Pa. Molding-machine	758,313	Apr. 26	4212	905 906	109 108	2302
Hall, Frederick W., Camden, N. J., assignor of one-half to J. W. Paxson Company, Philadelphia, Pa. Molding-machine	761,224	May 31	5280	1122	110	1242
Hall, Frederick W., Camden, N. J., assignor of one-half to J. W. Paxson Company, Philadelphia, Pa. Molding-machine	775,530	Nov. 22	4028	850	113	966
Hall Gasolene Engine Company. (See Hall, Frank E., assignor.)						
Hall, Gaylord C., New York, N. Y. Electric motor	762,709	June 14	2178	474	110	1298
Hall, George, Lima, Ohio. Ground-anchor	762,710	June 14	2180	474	110	1299
Hall, George, Manchester, England. Hanger cut-out for trolley-wires	766,692	Aug. 2	1141	237	111	1294
Hall, George, McKeesport, Pa. Shearing and shaping machine	774,072	Nov. 1	1069	229	113	241
Hall, George E. (See Good and Hall.)						
Hall, George L., Brooklyn, N. Y. Rail-fastening	761,070	May 31	4990	1059	110	1180
Hall, H. D., et al. (See Buckingham, Edward L., assignor.)						
Hall, Hardin Q., Louisville, Ky. Car-repair	757,299	Apr. 12	2160	474	109	1820
Hall, Harry C., Telluride, Colo. Stretcher-stand	749,731	Jan. 19	2424	514	108	377
Hall, Harry E., Mattoon, Ill. Composition for treating pictures	765,577	July 19	3350	111	759	
Hall, Henry J. S., New York, N. Y. Rotary cap-closure	749,671	Jan. 12	2279	461	108	629
Hall, Herbert C. (See Atwood, George F., assignor.)	759,990	May 17	2829	592	110	572
Hall, Horace L., Topeka, Kans. Ledger	768,401	June 14	1520	332	110	1788
Hall, Isaac M., Haverhill, Mass. Holder for meat-boilers	760,689	May 24	4192	890	110	991
Hall, Jacob G., Buckhannon, W. Va. Water-heater	770,367	Sept. 20	2350	495 496	112	566
Hall, James, Jacksonville, Ill. Seed-gatherer	765,831	July 26	3983	827	111	884
Hall, James B., Cleveland, Ohio, assignor of one-half to G. N. Gilsen, Seattle, Wash. Belt-cleaner and lubricator	778,191	Dec. 30	3426	733	113	2195
Hall, James O., Phoenix, Ariz. Ter. Putty-knife	777,411	Dec. 13	1854	409	113	1833
Hall, Jesse T., Chicago, Ill. Uterine supporter	756,165	Mar. 29	5735	1267	109	1320
Hall, John, and H. A. Paddleford, North Monroe, N. H. Invalid-bed	759,882	May 17	2616	547 548	110	632
Hall, John A. (See Steiner and Hall.)						
Hall, John B. (See Martin, James F., assignor.)						
Hall, John L., and H. R. Sargent, Schenectady, N. Y., assignors to General Electric Company. Remote-switch-control system	766,391	Aug. 2	494	105 106	111	1149
Hall, Joseph R., Indianapolis, Ind. Feeding device for corn-husking machines	750,642	Jan. 26	4125	895	108	961
Hall, Milan W., assignor, by mesne assignments, to Noiseless Compressor and Air Brake Company, New York, N. Y. Automatic governor for air-compressors or similar devices	768,939	Aug. 30	5760	1210	111	2395
Hall, Milan W., assignor, by mesne assignments, to Noiseless Compressor and Air Brake Company, New York, N. Y. Brake or other valve	768,940	Aug. 30	5762	1210	111	2396
Hall, Mournin N., and L. D. Oberler, McPherson, Kans. Clothes-drainer	756,112	Mar. 29	5659	1249	109	1803
Hall, Peter P. G., Jr. (See Wisner, Charles H., assignor.)						
Hall, Peter P. G., Jr., Philadelphia, Pa. Igniter for gas or gasolene engines	771,631	Oct. 4	810	180	112	1132
Hall Rail Joint Company. (See Hall, Charles F., assignor.)						
Hall, Robert P., Gem, Idaho. Amalgamator	751,911	Feb. 9	2106	475 476	108	1528
Hall, Robert R., San Francisco, Cal. Eyeglasses	776,739	Dec. 6	555	122	113	1549
Hall, Robert W., assignor to National Drill Company, Cambridge City, Ind. Double-shovel garden-plow	772,934	Oct. 25	3465	751	112	1764
Hall, Rufus L. (See Redmon, Hall, and Conway.)						
Hall, Schuyler H., Meriden, Conn. Collar-button	750,360	Jan. 26	3607	782	108	850
Hall, Seth M., Akron, N. Y. Lubricator	750,053	Jan. 19	3043	653	108	714
Hall Signal Company. (See Breese and Wilson, assignors.)						
Hall Signal Company. (See Coleman, Clarence W., assignor.)						
Hall Signal Company. (See Mosher, Asa H., assignor.)						
Hall, Thomas F., Omaha, Nebr. Grain-elevator	763,179	June 21	3101	667	110	2152
Hall, Thomas L., Mineral Wells, Tex. Convertible neck-yoke and swingletree	761,045	May 24	4034	1045	110	1148
Hall, Thresher, assignor of one-half to G. Rueckholdt, St. Louis, Mo. Shovel	753,973	Mar. 8	1326	341	109	352
Hall, Walter A., Lynn, Mass., assignor to General Electric Company. Transformer	755,766	Mar. 29	4995	1111	109	1155
Hall, Walter A., Lynn, Mass., assignor to General Electric Company. Mechanism for punching sheet metal	776,511	Dec. 6	70	17	113	1440
Hall, Washington L., Philadelphia, Pa. Self-threading shuttle	775,676	Nov. 22	4965	92	113	1039

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Hall, Willard L., Spokane, Wash. Sash-lock	778,312	Dec. 27	3669	800	113	2266
Hall, William, Menominee, Mich. Safety-support for railway-rails	766,184	Aug. 2	61	10	111	1055
Hall, William A., Bellows Falls, Vt. Producing milk-sugar	758,065	Apr. 26	3720	808	109	2191
Hall, William A., Bellows Falls, Vt. Paint coating or enameling composition	761,374	May 31	5590	.....	110	1311
Hall, William A., Bellows Falls, Vt. Paint composition	771,251	Oct. 4	36	.....	112	968
Hall, William A., Bellows Falls, Vt. Paint composition	775,919	Nov. 29	4825	.....	113	1154
Hall, William A., Bellows Falls, Vt., assignor to Casein Company of America. Casein composition and producing same	758,064	Apr. 26	3719	.....	109	2190
Hall, William J., Pawtucket, R. I. Evener mechanism for cotton-openers or the like	767,750	Aug. 16	3234	682	111	1735
Hall, William W., assignor to F. W. Whitaker, Boston, Mass. Cement-can	758,966	May 3	768	153	110	173
Hall, Zachary T., Ridley Park, Pa. Stove-mat	768,899	Aug. 30	5679	1193	111	2376
Halladay, Lewis P., Marion, Ind. Clamping device	775,399	Nov. 22	3763	796	113	908
Halladay, Lewis P., assignor to Imperial Stand Company, Marion, Ind. Attachment for guitars	758,912	May 3	667	134	110	157
Halladay, Lewis P., Marion, Ind., assignor to Streator Metal Stamping Company, Streator, Ill. Carpet-sweeper	764,050	July 5	273	52	111	62
Hallas, James G., and W. McLaughlin, assignors to Rapid Heater Company, Limited, Grand Rapids, Mich. Water-heater	759,607	May 10	2078	426	110	487
Hallberg, Ernst J., Stockholm, Sweden. Paper-feeding machine	750,453	Jan. 26	3772	820	108	889
Hallberg, Ernst J., Stockholm, Sweden. Paper-feeding machine	776,837	Dec. 6	761	166	113	1594
Hallberg, Josef H., New York, N. Y. System of electrical distribution	770,451	Jan. 26	3774	820	108	889
Hallberg, Josef H., New York, N. Y. System of electrical distribution	767,477	Aug. 16	2719	571	111	1679
Hallberg, Josef H., New York, N. Y. System of electrical distribution	772,096	Oct. 11	1782	396	112	1357
Hallberg, Josef H., Cincinnati, Ohio. System of electrical distribution for electric railways	777,091	Dec. 13	1256	277	113	1723
Hallberg, Josef H., Cincinnati, Ohio. System of electrical distribution for electric railways	777,092	Dec. 13	1258	277	113	1723
Hallberg, Josef H., New York, N. Y., assignor to General Incandescent Arc Light Company, of New York. Regulator for alternating series of arc-light systems	766,824	Aug. 9	1448	301	111	1382
Haldorson, Thorgris, Mountain, N. D. Motor-sled	754,996	Mar. 22	3540	775	109	824
Hallé Automatic Fire Arms Syndicate. (See Hallé, Clifford R. S. J., assignor.)	753,700	Mar. 1	984	211	109	201
Hallé, Clifford R. S. J., assignor to Hallé Automatic Fire Arms Syndicate, Limited, London, England. Automatic firearm	753,700	Mar. 1	984	211	109	201
Hallé, Clifford R. S. J., Hampton Wick, assignor to Hallé Automatic Fire Arms Syndicate, Limited, London, England. Recoil-operated firearm	755,482	Mar. 22	4414	978	109	1011
Halle, Hiram J., assignor to Elliott-Fisher Company, New York, N. Y. Type-writing machine	773,287	Oct. 25	4384	915	112	1963
Haller, Amos B., Brunswick, Md. Boiler-check	763,881	June 28	4474	974	110	2469
Haller, Carl, and W. E. Sinclair, assignors to Haller Machine Company, Chicago, Ill. Mechanism for controlling lamps in photographic-printing devices	751,503	Feb. 9	1325	302	108	1359
Haller, Charles, Hooper, Colo. Horseshoe-holder	766,443	Aug. 2	593	125	111	1170
Haller, Charles F., Cleveland, Ohio. Hand printing device	772,552	Oct. 18	2320	508	112	1498
Haller, John L., and G. L. Baker, Bushton, Kans.; said Baker assignor to said Haller. Harness	749,054	Jan. 5	1018	215	108	235
Haller, Louis F. (See Walter, Lee W., assignor.) .....	.....	.....	.....	.....	.....	.....
Haller Machine Company. (See Haller and Sinclair, assignors.) .....	.....	.....	.....	.....	.....	.....
Haller, Winfield A. (See Blossom and Haller.) .....	.....	.....	.....	.....	.....	.....
Haller, Winfield A., New York, N. Y., assignor to Pittsburg Armature Works. Apparatus for removing car wheels, trucks, &c.	760,632	May 24	4041	859	110	959
Hallett, James A., Des Moines, Iowa. Dental disk-cutter	766,693	Aug. 2	1142	237	111	1295
Hallett, Thomas E., Chicago, Ill. Supporting mechanism for linemen	759,274	May 10	1431	285	110	347
Hallett, Wellington L., Brookline, Mass. Heater for attachment to oil or gas burners	764,843	July 12	1945	400	111	442
Haley, Edward, Montague, Mich., and R. F. Downey, assignors to National Valve Company, Milwaukee, Wis. Valve	752,230	Feb. 16	2692	596	108	1677
Hallock, Daniel Y., York, Pa. Potato-digger	774,583	Nov. 8	2010	487	113	463
Hallock, Frank W., Derby, Conn. Journal-bearing	773,935	Nov. 1	814	170	113	187
Hallock, Otto P., Mattituck, N. Y. Potato-sorter	768,989	Aug. 30	5862	1230	111	2417
Hallock, Patrick F., Detroit, Mich. Means for arresting elevator-cars	751,504	Feb. 9	1328	303	108	1360
Hallock, Walter S., Rutherford, N. J. Type-writing machine	760,666	May 17	2971	620	110	704
Hallowell, Howard T., Davisgrove, Pa., assignor to Standard Pressed Steel Company. Shaft-hanger	767,147	Aug. 9	2091	496	111	1524
Hallowell, Howard T., Davisgrove, Pa., assignor to Standard Pressed Steel Company. Shaft-hanger	767,223	Aug. 9	2248	468	111	1556
Hallowell, Howard T., Hallowell, Pa., assignor to Standard Pressed Steel Company. Sheet-metal shaft-hanger	767,224	Aug. 9	2249	468	111	1557
Hallowell, Howard T., Hallowell, Pa., assignor to Standard Pressed Steel Company. Sheet-metal shaft-hanger	767,225	Aug. 9	2251	468	111	1557
Hallowell, Howard T., Hallowell, Pa., assignor to Standard Pressed Steel Company. Sheet-metal shaft-hanger	767,226	Aug. 9	2252	469	111	1557
Hallowell, Howard T., Hallowell, Pa., assignor to Standard Pressed Steel Company. Sheet-metal shaft-hanger	767,227	Aug. 9	2253	469	111	1558
Hallowell, Howard T., Hallowell, Pa., assignor to Standard Pressed Steel Company. Sheet-metal shaft-hanger	767,271	Aug. 9	2324	486	111	1573
Hallowell, Maurice O., assignor to J. Ellwood Lee Company, Conshohocken, Pa. Adjustable truss	758,440	Apr. 26	4460	959	109	2356
Hallstream, Henry. (See Dexter and Hallstream.) .....	.....	.....	.....	.....	.....	.....
Hallwood Cash Register Company. (See Emory, Joseph P., assignor.) .....	.....	.....	.....	.....	.....	.....
Hallwood Cash Register Company. (See Swan, Will R., assignor.) .....	.....	.....	.....	.....	.....	.....
Halsall, Charles B., et al. (See Conde, Joseph, assignor.) .....	.....	.....	.....	.....	.....	.....
Halsey, James T., Philadelphia, Pa. Multiple-cylinder expansion fluid-engine	772,353	Oct. 18	2323	508	112	1499
Halstead, Albert M., and J. E., Jamestown, N. D. Shirt-dampening machine	774,875	Nov. 15	2631	565	113	622
Halstead, Joseph E. (See Halstead, Albert M. and J. E.) .....	.....	.....	.....	.....	.....	.....
Halstead, Marshal, and J. Chandler, Birmingham; said Chandler assignor, by mesne assignments, to G. H. Biddle, Moseley, county of Warwick, England. Spanner or wrench	770,574	Sept. 20	2735	579	112	651
Haltom, Samuel, Henderson, Tex. Saw-set	751,844	Feb. 9	1984	451	108	1498
Halvorsen, Nels, Stoughton, Wis. Vehicle-spring	759,368	May 10	1627	329	110	388
Halvorsen, Nels, Stoughton, Wis. Bolster-standard	776,020	Nov. 29	5049	1065	113	1206
Halvorsen, Nels, Stoughton, Wis. Vehicle-spring	776,021	Nov. 29	5050	1065	113	1207
Halvorsen, Nels, Stoughton, Wis. Truss-rod for vehicle-axes	776,022	Nov. 29	5053	1066	113	1207

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Ham, Albert W. (See Prankard, Charles J., assignor.)						
Ham, Henry C., assignor to Rude Brothers Manufacturing Company, Liberty, Ind. Force-feed seeding-machine	758,134	Apr. 26	3846	835	109	2321
Ham, Herbert H., assignor to C. J. Pearson and F. M. Unwin, New York, N. Y. Toilet-paper holder and cutter	764,806	July 12	1860	383	111	422
Ham, Jesse, Emery Mills, Me. Insect-destroyer	750,030	Jan. 19	2996	642	108	701
Ham, Lemuel M., Boston, Mass. Rotary shears for metal-cutting	761,225	May 31	5285	1123	110	1343
Ham, Richard H., Stockport, N. Y. Trolley-retractor	764,807	July 12	1862	383	111	423
Hamachek, Frank, Kewaunee, Wis. Feed-cutter	757,614	Apr. 19	2825	617	109	1977
Hamachek, Frank, Kewaunee, Wis. Power apparatus	768,660	Aug. 30	5189	1091	111	2266
Hamann, Carl H. O., Bergedorf, near Hamburg, Germany. Machine having rotating pistons	753,390	Mar. 1	316	712	109	71
Hamann, Christel, Friedenau-Berlin, Germany. Calculating-machine	772,935	Oct. 25	3468	751	112	1764
Hambay, James T., New York, N. Y. Automatic cut-off for detector-bars	763,180	June 21	3103	732	110	2153
Hamblin, Stephen M., Readville, Mass. Machine for wrapping candy kisses, &c.	753,571	Mar. 1	680	153	109	150
Hambrecht, Heinrich F., Hamburg, Germany. Apparatus for sharpening pencils or the like	777,302	Dec. 13	1453	321	113	1764
Hamburger, Leon, et al. (See Darley, John W., Jr., assignor.)						
Hamburger, Philip, et al. (See Darley, John W., Jr., assignor.)						
Hamel, Charles, Lowell, Mass. Strike-plate for locks	749,818	Jan. 19	2585	550	108	613
Hamel, Horridas, Granby, Canada. Cattle-guard	765,704	July 26	3613	768	111	831
Hamel, Joseph, and A. Hardy, Quebec, Canada. Wire-working implement	777,412	Dec. 13	1855	409	113	1853
Hamel, Leonard H. (See Davenport, Herman A., assignor.)						
Hamelback, Jacob A., Newark, Ohio. Combined curtain and shade hanger	769,075	Aug. 30	6024	1262	111	2452
Hamell, Frank, Augres, Mich. Preserving fish	756,626	Apr. 5	822	109	109	1517
Hamelle, Henry, Paris, France. Lubricating apparatus	776,240	Nov. 29	5477	1159	113	1305
Hamer, Augustinus A. H., Amsterdam, Netherlands. Aseptic-napkin receptacle	764,188	July 5	552	109	111	122
Hamfeldt, George K., Munhall, Pa. Blast-furnace	759,991	May 17	2835	593	110	672
Hämig, Conrad, Augsburg, Germany. Welt-replenishing mechanism for looms	769,865	Sept. 13	1893	297	112	394
Hamilton, Patrick, Darragh, Pa. Pit-car	760,196	May 17	3239	679	110	762
Hamilton-Adams, Thomas (See Wirtz and Hamilton-Adams.)						
Hamilton-Adams, Thomas, London, England. Electric-arc lamp	758,644	May 3	75	15	110	21
Hamilton-Adams, Thomas, London, England. Electric-arc lamp	774,876	Nov. 15	2632	566	113	622
Hamilton, Alexander, Alhambra, Cal. Gate for fruit-chutes	755,483	Mar. 22	4418	979	109	1012
Hamilton, Allen M. (See Joyce, Joseph L., assignor.)						
Hamilton, Bruce E. and W. E. Ver Planck, Lynn, Mass., assignors to General Electric Company. Bucket-wheel for steam-turbines	755,767	Mar. 29	4997	1111	109	1156
Hamilton, Bradford, Fostoria, Ohio. Furnace	768,851	Aug. 30	5584	1172	111	2354
Hamilton, Charles L. (See Kitsee, Isidor, assignor.)						
Hamilton, Clarence J., assignor, by mesne assignments, to C. Hamilton, Plymouth, Mich. Firearm	748,723	Jan. 5	317	71, 72	108	70
Hamilton, Clayton M., Boston, Mass. Folding bed	778,539	Dec. 27	4116	897	113	2364
Hamilton, Coello. (See Hamilton, Clarence J., assignor.)						
Hamilton, Edward F., New York, N. Y. Non-refillable bottle	771,063	Sept. 27	3704	781	112	881
Hamilton, Edward D., Vancouver, Wash. Box	752,157	Feb. 16	3277	573	108	1649
Hamilton, Edward D., Vancouver, Wash. Propeller	732,670	Feb. 23	3591	800	108	1830
Hamilton, Edward D., Vancouver, Wash. Lamp-bracket	768,122	Aug. 23	4085	860	111	2002
Hamilton, Edward G., assignor of two-thirds to J. C. and L. E. Hamilton, Richmond, Ind. Electric mail and package carrying device	760,787	May 24	4397	935	110	1035
Hamilton, Evelyn S., Adrian, Mich. Sectional hub for pulleys	750,277	Jan. 26	3451	745	108	818
Hamilton, Fred, Providence, R. I. Apparatus for finding the axis and prismatic power of lenses	762,996	June 21	2731	593	110	2071
Hamilton, George M. (See De Witt, Frederick J., assignor.)						
Hamilton & Hamilton, Jr. (See Hamilton, Ralph S., assignor.)						
Hamilton, Henry C., Elmira, N. Y. Display-rack	759,992	May 17	2835	593	110	673
Hamilton, James B., Regua, Cal. Plow-cutter	766,094	July 26	4208	914	111	998
Hamilton, James E. (See Smith, Clarence E., assignor.)						
Hamilton, John, and N. Lewis, Seattle, Wash. Fire-escape	774,470	Nov. 5	1786	385	113	415
Hamilton, John C., et al. (See Hamilton, Edward G., assignor.)						
Hamilton, Jonathan R., Kingston, assignor of one-half to W. Dixon, Kimball, Minn. Bath apparatus	758,207	Apr. 26	3980	863	109	2250
Hamilton, Levi E., et al. (See Hamilton, Edward G., assignor.)						
Hamilton, Levi W., assignor of one-half to B. A. White, Guthrie, Ky. Fertilizer-distributor	770,064	Sept. 13	1749	369	112	412
Hamilton Manufacturing Company. (See Hamilton, William E., assignor.)						
Hamilton, Ralph S., assignor to Hamilton & Hamilton, Jr., Providence, R. I. Fastener	764,238	July 5	669	136	111	149
Hamilton, Robert. (See Gleason and Hamilton.)						
Hamilton, Robert, Milton, Mass. Telephone or telegraph system	753,067	Feb. 23	4376	974	108	2067
Hamilton, Robert, Milton, Mass. Telephone system	755,868	Mar. 29	5189	1149	109	1202
Hamilton, William C., Pittsburg, Pa. Piano	758,531	Apr. 26	4637	998	109	2396
Hamilton, William E., Columbus, Ohio. Electrical-wire station	756,850	Apr. 12	1271	283	109	1630
Hamilton, William E., Zanesville, Ohio. Loading-machine	765,832	July 26	3883	828	111	884
Hamilton, William E., Zanesville, Ohio. Locomotive car-puller	765,833	July 26	3892	829	111	886
Hamilton, William E., Zanesville, Ohio. Mining-machine	770,285	Sept. 20	2198	458	112	530
Hamilton, William E., Zanesville, Ohio. Mining-machine	770,286	Sept. 20	2202	459	112	531
Hamilton, William E., Zanesville, assignor to Hamilton Manufacturing Company, Columbus, Ohio. Mine-car	770,498	Sept. 20	2594	550	112	620
Hamler, Peter J., Chicago, Ill. Automatic stoker	764,540	July 5	1320	268	111	290
Hamm, Charles. (See Geddes, Charles A., assignor.)						
Hamm, John W., and A. F. Bruckner, assignors to Elgin Suction Washer Company, Elgin, Ill. Clothes-pouder	774,073	Nov. 1	1072	229	113	242
Hamm, William S., Chicago, Ill., assignor to Adams and Westlake Company, of Illinois. Lamp-burner	750,455	Jan. 26	3775	821	108	890
Hammack, Martin V., et al. (See Miller, Roy C., assignor.)						
Hammar, Sigard A. S. (See Meigs and Hammar.)						
Hammel, Charles A. (See Walkley, James A., assignor.)						
Hammel, Charles A., Los Angeles, Cal. Hydrocarbon-burner	748,862	Jan. 5	587	133	108	132

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Hammell, Alvin G., New York, N. Y., assignor to A. G. Hammell Amusement Company. Amusement device.	752,450	Feb. 16	3146	700	108	1775
Hammer, Charles S. (See Lotz, Wismeyer, Hammer, Thoma, and Rentschler.)						
Hammer, Henry F., Detroit, Mich. Pipe-organ.	752,671	Feb. 23	3591	800	108	1881
Hammer, John C., Rosehill, Ill. Animal-trap.	752,672	Feb. 23	3593	800	108	1881
Hammer, John H., Marquette, Mich. Photographic-shutter-operating mechanism.	762,711	June 14	2182	475	110	1929
Hammerle, Franz, Melrose, Mass. Upright-piano action.	757,657	Apr. 19	2911	633	109	1998
Hammerstein, Oscar, New York, N. Y. Device for heading cigars.	765,776	July 26	3793	807	111	864
Hammesfahr, Ernst, Solingen, Germany. Spring for pocket-knives.	769,262	Sept. 6	244	57	112	53
Hammesfahr, Julius, Vailsburg, N. J., assignor to R. Neumann Hardware Company. Bag-lock.	760,197	May 17	3240	679	110	762
Hammill, William J., Guelph, assignor of one-half to A. Groves, Fergus, Ontario, Canada. Fanning-mill.	749,819	Jan. 19	2586	551	108	613
Hammond, Charles M., et al. (See Horrall, William A., assignor.)						
Hammond, Erasmus L., Dutton, Mich. Shipping-crate.	769,216	Sept. 6	148	36	112	32
Hammond, Frank N., et al. (See Brindle, Philip S., assignor.)						
Hammond, Frank W., and F. E. Henderson, Comstock, Nebr. Floor-clamp.	760,076	Aug. 30	6025	1262	111	2452
Hammond, Fred M., et al. (See Brindle, Philip S., assignor.)						
Hammond, James E. (See Pratt, King, and Hammond.)						
Hammond Manufacturing Company. (See Hammond and Walden, assignors.)						
Hammond, Myron B., Bridgeport, Conn. Clasp.	748,724	Jan. 5	319	72	108	71
Hammond, Myron B., Bridgeport, Conn. Hose-supporter.	769,217	Sept. 6	150	36	112	33
Hammond, Myron B., Bridgeport, Conn. Hose-supporter.	769,218	Sept. 6	151	37	112	33
Hammond, Robert A., Sandwich, and F. E. Walden, Worcester, Mass., assignors to Hammond Manufacturing Company, Eastport, Me. Wrench.	769,605	Sept. 6	892	193	112	202
Hammond, Royal M., Downs, Kans. Disk-sharpening machine.	776,057	Nov. 29	5111	1081	113	1220
Hammond, Typewriter Company. (See Dorman, John H., assignor.)						
Hammond, William, Germantown, Pa. Stop-motion for knitting-machines.	760,378	Sept. 6	482	107	112	110
Hamon, Augustin, Neuilly-sur-Seine, France. Apparatus for casting cylinders for phonographs or the like.	757,867	Apr. 19	3306	716	109	2082
Hampden, Wellesley R., Omaha, Nebr. Furnace.	752,068	Feb. 16	2411	538	108	1612
Hampson, Frank G., London, England. Apparatus for aerating liquids.	764,461	July 5	1125	230	111	248
Hampton, Calvin G., Ryde, Cal. Detachable-link chain.	758,913	May 3	668	134	110	157
Hampton, Homer J. P., Albany, N. Y. Extracting apparatus.	761,828	June 7	436	88	110	1536
Hampton, Joseph D., Hazleton, Pa. Dumping-car.	777,020	Dec. 6	1122	243	113	1676
Hampton, Manoah B., et al. (See Le May, Marcus M., assignor.)						
Hampton, Thomas, West Elizabeth, Pa. Kiln.	745,655	Mar. 29	4745	1056	109	1099
Hamrick, Porter S., Whitewater, Wis. Rule.	754,445	Mar. 15	2485	541	109	578
Hanaway, William T., Seymour, Tex. Spur.	769,743	Sept. 13	1154	248	112	280
Hancock, Augustus H., Repton, assignor of one-half to J. F. Hill, Tunnel Springs, Ala. Logging-truck.	772,234	Oct. 11	2073	453	112	1420
Hancock, George A., et al. (See Roche, John, assignor.)						
Hancock, John W., Mattoon, Ill. Nut-lock.	757,457	Apr. 19	2489	545	109	1904
Hancock, Leon H. W., Pittsburg, Pa. Wrench.	771,632	Oct. 4	811	181	112	1132
Hancock, Willard A., Montrose, Iowa. Cultivator.	767,148	Aug. 9	2003	437	111	1524
Hancox, Edwin, Stockton-on-Tees, England. Machine for working pipe-plates.	751,636	Feb. 9	1578	358	108	1412
Hancox, Edwin, Stockton-on-Tees, England. Apparatus for upsetting pipe ends.	751,637	Feb. 9	1579	359	108	1412
Hand, David B., et al. (See Murphy, Charles H., assignor.)						
Hand, Elmer E., New York, N. Y. Apparatus for extracting essence.	768,575	Aug. 23	4994	1046	111	2205
Handel, Philip J., Meriden, Conn. Chipping glass.	775,818	Nov. 22	4627	1047	113	1095
Handlin, James E. (See Wolfe, Martin, and Handlin.)						
Handy, Arthur E., Winchester, N. H. Holdback.	759,993	May 17	2836	593	110	673
Handy, Arthur E., assignor to Rhode Island Elevator and Machine Company, Providence, R. I. Hoisting-machine.	761,959	June 7	683	139	110	1589
Handy, Arthur E., assignor to Rhode Island Elevator and Machine Company, Providence, R. I. Electric switch.	767,052	Aug. 9	1883	394	111	1480
Haneke, Louis. (See Robertson and Haneke.)						
Haneke, Louis, Eureka Springs, assignor of one-half to T. J. Robertson, Oakhill, Ark. Wrench.	774,916	Nov. 15	9711	581	113	640
Haner, Henry, Cleveland, Ohio. Fly-catching device.	767,053	Aug. 9	1886	395	111	1481
Haner, Jacob L., London, Ohio. Animal catcher and holder.	753,068	Feb. 23	4380	974	108	2068
Haney, Thomas W., et al. (See Slattery, George H., assignor.)						
Hanfbauer, Charles J. (See Carl and Hanfbauer.)						
Hanfbauer, Charles J., Cleveland, Ohio. Attachment for machines for perforating strips.	752,069	Feb. 16	2412	538	108	1612
Hanfeld, Benjamin L. W. and E. L., New York, N. Y. Vibrator.	769,798	Sept. 13	1248	268	112	299
Hanfeld, Evangeline L. (See Hanfeld, Benjamin L. W. and E. L.)						
Hanford, Melancthon, Malden, Mass. Elevator safety apparatus.	753,135	Feb. 23	4490	1000	108	2091
Hanger, George M., assignor of one-half to D. S. Thomas, Bridgewater, Va. Hand-plow.	764,051	July 5	274	52	111	62
Hanger, James F., Washington, D. C. Fastening device for artificial limbs.	762,822	June 14	2404	523	110	1978
Hanhl, Karl P., New York, N. Y. Rotary fluid-motor.	757,300	Apr. 12	2162	474	109	1820
Hanhart, Louis J., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Band-saw mill.	771,064	Sept. 27	3705	781	112	881
Hanks, Clinton A. (See Doten, Henry A., assignor.)						
Hanks, Lucien M., Madison, Wis. Photographic plate and film holder.	758,751	May 3	349	69,70	110	86
Hanley, E. W., et al. (See Yoe, Philip, assignor.)						
Hanley, Edward J. (See Reid and Hanley.)						
Hanley, James B., New York, N. Y. Stone-sawing machine.	771,065	Sept. 27	3708	782	112	882
Hanley, John. (See Fisher, Frank A., assignor.)						
Hanlin, Densio D. (See Grant, William A., assignor.)						
Hanlin, Stewart J., Allegheny, Pa. Trolley-wheel.	762,823	June 14	2405	523	110	1978
Hanlon, John F., Concord, N. H. Ellipsograph.	758,314	Apr. 26	4216	906	109	2303
Hanlon, John H., Somerville, assignor of one-half to W. J. Hanlon, Fitchburg, Mass. Track-sanding device.	753,794	Mar. 1	1149	259	109	247
Hanlon, Joseph P. A., Somerville, Mass. Screw-driver.	750,849	Feb. 2	133	30	108	1087
Hanlon, Marquis D., Wilksburg, assignor to Union Switch and Signal Company, Swissvale, Pa. Railway semaphore-signal.	755,656	Mar. 29	4748	1057	109	1099
Hanlon, Marquis D., Wilksburg, assignor to Union Switch and Signal Company, Swissvale, Pa. Railway-switch-operating apparatus.	762,997	June 21	2735	593	110	2071

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Hanlon, Thomas, Omaha, Nebr. Concrete-constructor	765,360	July 19	2927	611	111	669
Hanlon, Wabrance B., Sterling, Kans. Combined end-gate, shovel-board, and live-stock chute	749,187	Jan. 12	1295	279	108	317
Hanlon, William J. (See Hanlon, John H., assignor.)						
Hammer, Everett, Interlochen, Mich. Stovepipe-fastener	753,701	Mar. 1	936	212	109	202
Hammore, Hiram M., Los Angeles, Cal. Composition for bricks for building purposes	767,054	Aug. 9	1887		111	1481
Hann, Jacob R., Jackson, Mich. Presser-foot for sewing-machines	765,619	July 19	3428	722	111	776
Hanna, Jacob, and C. S. Gilman, Rivera, Cal. Electric safety system for railways	756,957	Apr. 12	1477	326	109	1673
Hanna, John L., Jr., Franklin, Pa. Pipe-cutting machine	761,071	May 31	4991	1059	110	1180
Hanna, Max R., Schenectady, N. Y., assignor to General Electric Company. Means for controlling movements from a distance	767,751	Aug. 16	3335	682	111	1795
Hannah, Edgar J., Greencastle, Mo. Double-acting force-pump	756,113	Mar. 29	5660	1249	109	1303
Hannam, Edward T., Cincinnati, Ohio. Superheater for steam-boilers	748,945	Jan. 5	759	164	108	172
Hannam, Edward T., Cincinnati, Ohio. Water-tube boiler	761,829	June 7	437	89	110	1336
Hannan, Charles R. (See Evensen, Anton, assignor.)						
Hannan, George R., and J. C. Rodenhaver, San Francisco, Cal. String-cutter	755,869	Mar. 29	5193	1149	109	1202
Hannes, William F., assignor of one-half to W. J. Browning, Deming, N. Mex. Ter. Treating ores	758,532	Apr. 26	4638	998	109	2396
Hannigan, James F., Pratt City, Ala. Ratchet-drill	775,139	Nov. 15	3163	672	112	745
Hannon, Charles F., et al. (See Durden, Washington L., assignor.)						
Hannon, J. Stith, Opelika, Ala. Fence-post	772,614	Oct. 18	2835	620	112	1607
Hannoversche Cakesfabrik H. Bahlsen. (See Forcke, Carl, assignor.)						
Hano, Philip. (See Sheldon, Edward F., assignor.)						
Hanrahan, Joseph F., Ottawa, Canada. Drying-kiln	764,583	July 12	1406	1287	111	324
Hanretty, William R., Newburgh, N. Y. Fire-escape	761,478	May 31	5760	1329	110	1350
Hansberger, Henry, Millersport, Ohio. Fence-post	748,946	Jan. 5	761	165	108	173
Hansson, Ralph B., and G. A. Prior, Hartford, Conn. Device for effecting the radiation of heat	777,853	Dec. 20	2757	607	113	2059
Hansen, Charles E., assignor to Gorham Manufacturing Company, Incorporated, Providence, R. I. Clasp for articles of jewelry	753,486	Mar. 1	493	115	109	108
Hansen-Ellehammer, Jacob C., Copenhagen, Denmark. Coin-collecting box or receptacle	755,768	Mar. 29	4998	1111	109	1156
Hansen-Ellehammer, Jacob C., Copenhagen, Denmark. Machine for making cigarette-tubes	766,035	July 26	4269	1915	111	968
Hansen, George, Seattle, Wash. Machine for facing the tenons of wagon-spokes	765,313	July 19	2824	588	111	648
Hansen, Gustav A. (See Krag and Hansen.)						
Hansen, Hans T., Milwaukee, Wis. Driving-gear for motor-vehicles	777,727	Dec. 20	2471	544	113	2001
Hansen, Herman, assignor to C. F. and C. H. J. Dilg, New York, N. Y. Renovator for cutlery	758,837	May 3	511	103	110	123
Hansen, John, Northcove, Wash. Ship's windlass	749,188	Jan. 12	1296	279	108	317
Hansen, John M., Pittsburg, Pa. Side and center dump coke-car	752,289	Feb. 16	2833	629	108	1708
Hansen, John M., Pittsburg, Pa. Pedestal-truck	752,290	Feb. 16	2836	630	108	1709
Hansen, John M., Pittsburg, Pa. Triple-hopper coke-car	753,257	Mar. 1	82	21,22	109	20
Hansen, John M., Pittsburg, Pa. Railway-car underframe	757,110	Apr. 12	1787	391	109	1738
Hansen, John M., Pittsburg, Pa. Metallic railway-tie	757,111	Apr. 12	1790	392	109	1739
Hansen, John M., Pittsburg, Pa. Metallic car	761,166	May 31	5178	1100	110	1221
Hansen, John M., assignor to Pressed Steel Car Company, Pittsburg, Pa. Body-holster for railway-cars	749,133	Jan. 5	1169	248	108	271
Hansen, Laurits, Seattle, Wash. Pliers	777,021	Dec. 6	1125	244	113	1677
Hansen, Rasmus, Chicago, Ill., assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Battery-transmitter	765,490	July 19	3181	665	111	724
Hansen, Theodore C., Chicago, Ill. Cutting machinery	749,820	Jan. 19	2357	551	108	613
Hansen, Theodore C., Chicago, Ill. Drilling-machine	749,821	Jan. 19	2360	552	108	614
Hansen, Thorvald, Everett, assignor of one-half to A. H. Berry, Waltham, Mass. Cop-cutting machine	763,882	June 28	4474	975	110	2469
Hanson, Albert, Huddersfield, England. Protector for umbrellas	776,241	Nov. 29	5478	1100	113	1305
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Tool-holder	748,725	Jan. 5	320	72	108	71
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Tool and back-rest holder	748,726	Jan. 5	322	73	108	71
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Tool-holder	750,108	Jan. 19	3140	675	108	731
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Tool-turret mechanism	750,278	Jan. 26	3452	746	108	818
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Drilling-tool	750,537	Jan. 26	3958	856	108	926
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Turret-tool	775,109	Nov. 15	3094	657	113	731
Hanson, Charles H., Welland, Canada, assignor to Frost Wire Fence Company, Cleveland, Ohio. Fastening fence-wires	766,345	Aug. 2	413	87	111	1131
Hanson, Charles H. L., assignor to J. Bromley & Sons, Philadelphia, Pa. Woven fabric	753,702	Mar. 1	937	212	109	202
Hanson, Elias T., Struble, Iowa. Door for freight-cars	767,404	Jan. 16	2573	542	111	1646
Hanson, George, et al. (See Tapley, John E., assignor.)						
Hanson, Hans C., Albert Lea, Minn. Oil-supply system	748,727	Jan. 5	325	73	108	72
Hanson, Hans C., assignor to American Gas Machine Company, Albert Lea, Minn. Gas-generator	757,615	Apr. 19	2834	618	109	1979
Hanson, Henry M., and C. S. Bentley, Janesville, Wis., assignors to said Hanson. Clamp	749,732	Jan. 19	2426	515	108	577
Hanson, Hilmer, Artichoke Lake, Minn. Threshing-machine	750,969	Feb. 2	354	85,86	108	1136
Hanson, James L., Chicago, Ill. Loose-leaf binder	754,766	Mar. 15	3101	677	109	713
Hanson, John A., and A. F. Lambert, Davenport, Wash. Insulator	756,027	Apr. 5	823	177	109	1517
Hanson, Louis S. (See Patry and Hanson.)						
Hanson, Nils K. F., Utansjö, Veda, Sweden. Centrifugal pump	765,969	July 26	4139	894	111	942
Hanson, Olof, Seattle, Wash. Fire-resisting construction	761,375	May 31	5591	1190	110	1311
Hanson, Paul, St. Paul, Minn. Knotter mechanism for grain-binders	762,402	June 14	1521	333	110	1788
Hanson, Paul, St. Paul, Minn. Metal wheel	762,403	June 14	1524	334	110	1788
Hanson, Paul, St. Paul, Minn. Knotter mechanism for grain-binders	762,404	June 14	1526	335	110	1788
Hanson, Paul, St. Paul, Minn. Mowing-machine	768,044	Aug. 23	3877	814	111	1952
Hanson, Paul, St. Paul, Minn. Draft-equalizing mechanism	768,045	Aug. 23	3883	815	111	1954

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Hanson, Sarah P., Fremont, Ohio. Hat-stand	769,478	Sept. 6	673	145	112	153
Hanson, Smith, Lambert, Minn. Building-section	758,645	May 3	77	16	110	21
Hanson & Van Winkle Company. (See King, Willis B., assignor.)						
Hanson, William, Calistoga, Cal. Mechanical movement	758,914	Mar 3	669	134	110	157
Hanson, William, Fort Myers, Fla. Machine for making vegetable hair	765,481	July 19	3183	665 666	111	724
Hanstine, Harry S., Pittsburg, assignor of two-thirds to J. D. Craft and L. E. Montgomery, Oakmont, Pa. Vise	757,918	Apr. 19	3408	738	109	2105
Hanus, Joseph J., and W. A. Tucker, Taylor, Tex. Insect-exterminator	764,123	July 5	421	82	111	92
Hapgood Plow Co. (See Cloyd, Oliver H., assignor.)						
Happe, William C., Davenport, Iowa. Saw-cover	757,740	Apr. 19	3075	669	109	2032
Happel, Jacob, Middletown, Ky. Car-fender	771,545	Oct. 4	653	145	112	1098
Happich, Ernest P., Philadelphia, Pa. Cuff-button	750,643	Jan. 26	4127	835	108	962
Happle, John, Cleveland, N. Y. Level, plumb, and inclinometer	756,698	Apr. 5	824	177	109	1517
Harbaugh, George O. and H. E., assignors of one-third to Chicago-Rockford Hosiery Company, Kenosha, Wis. Machine for uniting looped fabrics	758,248	Apr. 26	4063	879 880	109	2267
Harbaugh, Howard E. (See Harbaugh, George O. and H. E.)						
Harbeck, Jervis R. (See White & Harbeck.)						
Harbeck, Jervis R., assignor to Gem Fibre Package Company, Detroit, Mich. Container	765,888	July 26	3986	850	111	908
Harbin, William L., Lexington, N. C. Brick-truck	751,283	Feb. 2	954	216 217	108	1259
Harbison, Clarence W. (See Maher and Harbison.)						
Harbour, George W., assignor to A. S. Newcomb, Worcester, Mass. Seat for bath-tubs	754,369	Mar. 8	2902	503	109	520
Harcher, John J., Philadelphia, Pa. Fabric-cutting device for knitting-machines	762,166	June 7	1049	221	110	1666
Harcourt, Augustus G. V., Ryde, Isle of Wight, assignor to John J. Griffin & Sons, Limited, London, England. Apparatus for administering anesthetics	759,369	May 10	1628	329	110	389
Hardegen, Paul, Berlin, Germany. Casing for telephones or microphones	753,391	Mar. 1	318	72	109	72
Harden, Harry, London, Ohio. Latch	758,441	Apr. 26	4461	959	109	2357
Harden, William H., Quitman, Ga., assignor of one-half to E. A. Groover, Jacksonville, Fla. Animal-trap	775,750	Nov. 22	4496	953	113	1067
Hardenberg, Frederick R. (See Ensign, Emory S., assignor.)						
Hardenberg, John C., Cleveland, Ohio. Latch	767,752	Aug. 16	3237	682	111	1796
Hardenbrook, Frank, and W. Rice, Jasper, Mo. Valve-gear for explosive-engines	760,333	May 17	3482	733	110	817
Hardenburgh, Julius, et al. (See Metzger, Emanuel, assignor.)						
Harder, Walter C., assignor of one-half to C. W. Andrews, Chicago, Ill. Sheet-piling	771,426	Oct. 4	423	95	112	1047
Hardie, Charles G., Hamburg, N. Y. Electrical apparatus for cleaning gas	768,450	Aug. 23	4738	994	111	2151
Hardie, Robert. (See Larsen and Hardie.)						
Hardie, Robert W., Albany, N. Y. Cigar-box	748,863	Jan. 5	588	134	108	132
Hardiman, Thomas B., Mount Carmel, Ill. Plow-standard	762,533	June 14	1913	412	110	1872
Hardin, Truman W., Mason City, Ill. Pipe-wrench	752,837	Feb. 23	3900	874	108	1958
Harding, D. S., et al. (See Vance and Lanahan, assignors.)						
Harding, Henry M., New York, N. Y. Means for loading or unloading vessels	749,860	Jan. 19	2661	568 569	108	629
Harding, Henry M., New York, N. Y. Telfer	761,884	June 7	549	109	110	1562
Harding, Lester E., Hornick, Iowa. Corn harvester and husker	769,744	Sept. 13	1155	248 249	112	800
Harding, Mathew A. (See Bryar, George, assignor.)						
Harding, Russell, St. Louis, Mo. Journal-bearing	750,279	Jan. 26	3456	747	108	819
Harding, Russell, St. Louis, Mo. Draw-bar pocket	763,098	June 21	2940	634	110	2116
Harding, Samuel B., Waukesha, Wis. Traveling carrier for metal-working machines	750,644	Jan. 26	4128	895	108	962
Harding, Theodore L., and H. E. Heal, New York, N. Y. Sponge-cup	771,546	Oct. 4	654	146	112	1098
Hardinge, Franklin, Chicago, Ill. Gear cutting and milling machine	766,245	Aug. 2	205	40 42	111	1086
Hardingham, George G. M., London, England, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Providing cables or other flexible bodies with solid ends	754,997	Mar. 22	3542	776	109	825
Hardman, Frederic. (See Skinner and Hardman.)						
Hardman, Peter, Willimantic, Conn. Knot-catching device	750,850	Feb. 2	134	31	108	1087
Hardman, Peter, Willimantic, Conn. Clearing device for draw-rolls	761,673	Aug. 7	102	17, 18	110	1461
Hardman, Peter, Willimantic, Conn., assignor to American Thread Company, Jersey City, N. J. Stop-motion for textile-machines	767,055	June 9	1887	395	111	1481
Hardisog, Martin, Ottumwa, Iowa. Miner's pick	759,704	May 10	2261	467	110	528
Hardwick, Harry, assignor to Ivins, Dietz and Metzger Company, Philadelphia, Pa. Woven pile fabric	760,985	May 24	4786	1018	110	1117
Hardwick, Harry, assignor to Ivins, Dietz and Metzger Company, Philadelphia, Pa. Pile fabric and manufacture of same	760,996	May 24	4787	1018	110	1117
Hardwick, Harry, assignor to Ivins, Dietz and Metzger Company, Philadelphia, Pa. File-wire for looms	763,181	June 21	3105	668	110	2154
Hardwick, Robert L., Ennis, Tex. Mail-crane	777,628	Dec. 13	2292	504	113	1946
Hardy, Alphonse. (See Hamel and Hardy.)						
Hardy, B. J. (See Darby, Edwin, assignor.)						
Hardy, Clement A., assignor to A. Hirschbein, La Crosse, Wis. Disk-bearing	752,620	Feb. 16	3486	777	108	1851
Hardy, Colin F. (See Eggleston, Hardy and Lepper.)						
Hardy, Fred, Thornton, E. I. Hand-stamp	752,771	Feb. 23	3766	840	108	1930
Hardy, James F., New York, N. Y. Governor for sound-reproducing machines	761,167	May 31	5179	1100	110	1221
Hardy, James F., assignor to Consolidated Dental Manufacturing Company, New York, N. Y. Electric switch	764,189	July 5	553	110	111	122
Hardy, John F., Chicago, Ill. Carpet-sweeper	756,358	Apr. 5	836	69	109	1415
Hardy, John F., Chicago, Ill. Carpet-sweeper	756,359	Apr. 5	843	70	109	1417
Hardy, William A., Monticello, Ind. Artificial fishing-bait	765,482	July 19	3186	666	111	725
Hare, Arnold, Auckland, New Zealand. Time gas-cock	771,633	Oct. 4	611	181	112	1132
Hare, Will C. (See Mullins, Hare, and Nelson.)						
Hare, William, Danville, Ill. Combined mouth-prop, tongue-protector, &c., for dental use	770,853	Sept. 27	3290	693	112	791
Hare, William, Danville, Ill. Dental mouth prop and mirror, cheek-distender, &c	770,854	Sept. 27	3291	693	112	791
Hargan, William B., San Francisco, Cal. Non-refillable bottle	775,650	Nov. 22	4309	910	113	1027
Harger, Charles G., Jr., Rochester, N. Y. Fastener	750,496	Apr. 5	606	131	109	1470
Hargrave, William B., Colfax, Wash. Device for eradicating facial wrinkles	765,361	July 19	2929	611	111	670
Hargreaves, Charles J., et al. (See Cuntz, Gregor R. F. H., assignor.)						
Hargreaves, John, Philadelphia, Pa. Side-tooth dresser for saws	760,198	May 17	3241	679	110	762
Hargrove, William, Montreal, Canada, assignor to J. A. Harriss, New York, N. Y. Clothes-horse	755,494	Mar. 22	4419	979	109	1012
Harg, Joseph B., Baltimore, Md. Animal-trap	758,208	Apr. 26	3931	864	109	2250
Haring, Ledra W., Chicago, Ill. Dish-washing apparatus	750,851	Feb. 2	135	31	108	1087

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Haring, William N., Nyack, N. Y. Combination press and butter-mold	757,301	Apr. 12	2164	475	109	1821
Harker, Charles O., Sioux City, Iowa. Door-locked controller for elevators	753,572	Mar. 1	684	153	109	150
Harlan, Martin C., Stuart, Iowa. Animal-trap	757,401	Apr. 12	2379	518	109	1865
Harlan, Rolla M. (See Roberts, Oscar L., assignor.)	760,737	May 24	4306	914	110	1015
Harleman, Thomas J., Packerton, Pa. Safety-clamp for rails	757,919	Apr. 19	3410	738	109	2106
Harles, Edouard E. (See Guedeney and Harles.)	773,638	Nov. 1	199	44	113	48
Harley, Bertron G., Wyncote, Pa. Machine-belting and making same	763,883	June 28	4477	975	110	2470
Harlow, Andrew J., assignor of one-half to T. W. Welsh, Mitchell, Ind. Railway tie	763,392	June 28	3544	763	110	2271
Harlow, William O., and L. D. Gillett, Roanoke, Va. Device for holding fractured coupling-pins in couplings	754,136	Mar. 8	1821	406	109	418
Harman, George H., Prairie Depot, Ohio. Fence-gate	750,764	Jan. 26	4408	950	108	1026
Harmany, Arthur R., Marietta, Ohio. Curtain-pole	750,361	Jan. 26	3608	782	108	854
Harmany, Frederic, assignor of part to I. M. Butts, J. McCormick, F. Clymer, and J. B. McCormick, Marietta, Ohio. Carburetor	772,354	Oct. 18	2326	510	112	1499
Harmet, Henri, St. Etienne, France. Electrometallurgy of iron or steel	776,392	Dec. 6	242	54	113	1482
Harmon, Edwin C. (See Wood, James E., assignor.)	776,392	Nov. 29	5748	1216	113	1306
Harmon, John D. (See Luethy, Fredrick C., assignor.)	750,970	Feb. 2	355	86	108	1136
Harmon, John W., Creston, Iowa. Riding-harrow	755,769	Mar. 29	4999	1112	109	1156
Harmon, Martin, Bloomington, Ill. Potato-bug machine	776,590	Dec. 6	242	54	113	1482
Harmon, Willard. (See Lindsay, Thomas J., assignor.)	776,392	Nov. 29	5748	1216	113	1306
Harmon, William D., Richwood, Ohio. Gate	758,442	Apr. 26	4463	959	109	2357
Harmon, William E., Houston, Tex. Strainer for well-tubes	763,282	June 21	3288	710	110	2193
Harmon, William O., San Marcos, Tex., assignor of one-half to A. H. Quarles, Washington, D. C. Tool for removing floors, ceilings, sidings, &c.	763,283	June 21	3290	710	110	2194
Harmon, William O., San Marcos, Tex., assignor of one-half to A. Smith, Bowie, Md. Detachable overshoe for horseshoes	763,283	June 21	3290	710	110	2193
Harmon, William O., San Marcos, Tex., assignor of one-half to A. Smith, Bowie, Md. Horseshoe	771,547	Oct. 4	655	146	112	1098
Harmon, Willis E. (See Roepper and Harmon.)	775,531	Nov. 22	4032	850	113	966
Harmon, Willis E., Mechanic Falls, Me. Thermostatic finger-piece for push-buttons	774,584	Nov. 8	2013	439	113	463
Harms, Herman, Chicago, Ill. Money-pouch	759,883	May 17	2618	548	110	623
Harms, Carsten J. (See Koestner and Harms.)	749,055	Jan. 5	1019	215	108	235
Harmen, John F., West Earl township, Lancaster county, Pa. Tension device for harvester-binders	766,185	Aug. 2	62	11	111	1055
Harold, James F., Jersey City, N. J. Metal piling	767,753	Aug. 16	3238	682	111	1796
Harper, Arthur C. (See Quandt, Otto, assignor.)	758,967	May 3	770	154	110	178
Harper, Charles W., Malden, Mass. Telephone-transmitter	761,376	May 31	5592	1191	110	1311
Harper, Elizabeth, et al. (See Harper, Hind T., assignor.)	754,998	Mar. 22	3543	776	109	825
Harper, Erastus R., et al. (See Smith, Andrew J., assignor.)	764,844	July 12	1946	400	111	442
Harper, Harvey W., East Orange, N. J. Strainer for miniature lamp Company, New York, N. Y. Machine for making incandescent-electric-lamp bulbs	758,967	May 3	770	154	110	178
Harper, Hind T., assignor to E. Harper, Footville, and W. M. Ross, Janesville, Wis. Reaper, mower, &c.	761,376	May 31	5592	1191	110	1311
Harper, John, Kearney, N. J. Shipping-box	754,998	Mar. 22	3543	776	109	825
Harper, John H., Butler, Pa. Shoe-blackening stand	770,375	Sept. 20	2737	580	112	652
Harper, Thaddeus S. (See Clark and Harper.)	759,608	May 10	2079	426	110	487
Harper, Thomas J., et al. (See Walther, Jacob, assignor.)	763,884	June 28	4478	975	110	2471
Harper, William, et al. (See Wing, Perry M., assignor.)	756,958	Apr. 12	1480	326	109	1674
Harpin, Louis H. and T. H., Kankakee, Ill. Scaffold	756,360	Apr. 5	349	70	109	1418
Harpin, Theophile H. (See Harpin, Louis H. and T. H.)	768,363	Apr. 23	4542	955	111	2100
Harracs, Johann, Chicago, Ill. Optical appliance	765,922	July 26	4047	865	111	921
Harrah, Harford F., and W. S. Flint, Pendleton, Oreg. Mowing-machine attachment	760,199	May 17	3243	680	110	768
Harrell, John H., Seattle, Wash. Clothes-rack	774,422	Nov. 8	1698	363	113	397
Harrell, Joseph H., Charlotte, N. C. Electric signal system	778,192	Dec. 20	3428	753	113	2196
Harrell, Samuel D., Philadelphia, Pa. Adjustable clothes-line support	776,393	Nov. 29	5749	1217	113	1366
Harrigan, David F. (See Harrigan, John M. and D. F.)	759,436	Aug. 10	1748	354	110	416
Harrigan, John F., Boston, Mass. Siphon	767,056	Aug. 9	1889	395	111	1482
Harrigan, John M. and D. F., Camden, N. J., assignors of one-half to Burk Brothers, Philadelphia, Pa. Skin-stretching frame	767,057	Aug. 9	1889	398	111	1484
Harriman, Alonzo H., deceased, (M. J. Harriman, administratrix.) and J. M. Felker, Madison, Me., said M. J. Harriman assignor to O. T. Briggs. Nail or spike driver	767,405	Aug. 16	2575	543	111	1646
Harriman, Henry I., New York, N. Y., assignor to American Loom Company, Readville, Mass. Electrical warp stop-motion for looms	749,438	Jan. 12	1830	362	108	430
Harriman, Henry I., New York, N. Y., assignor to American Loom Company, Readville, Mass. Weft-furnishing, &c., mechanism for looms	768,393	June 28	3547	763	110	2272
Harriman, Henry I., New York, N. Y., assignor to American Loom Company, Readville, Mass. Weft-replenishing loom	755,485	Mar. 22	4420	980	109	1012
Harriman, Martha J., administratrix. (See Harriman and Felker.)	749,189	Jan. 12	1297	280	108	317
Harrington, Andrew D., Norway, Iowa. Corn-planting attachment for cultivators	755,486	Mar. 22	4421	980	109	1013
Harrington, Charles D., assignor to Harrington Cutlery Company, Southbridge, Mass. Rivet	774,664	Nov. 8	2148	470	113	492
Harrington, Charles E., Chicago, Ill. Door-hanger	778,240	Dec. 27	3516	774	113	2335
Harrington, Curtis J., assignor to Automatic Car Ventilator Company, New York, N. Y. Ventilating device						
Harrington Cutlery Company. (See Harrington, Charles D., assignor.)						
Harrington, David, Worcester, Mass. Spinning-ring						
Harrington, David, assignor of one-half to F. E. Laughlin, Dallas, Tex. Apparatus for cooking by superheated steam						
Harrington, Harry C., and W. M. Towers, Rome, Ga. Truck						
Harrington, James W., Hampton, Mo. Apparatus for fastening or tying hay-ricks or the like						

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Harrington, John J., Brockton, Mass. Shaft-bearing	730,362	Jan. 26	3609	783	108	854
Harrington, John W., Eastpoint, Ga. Attachment for cotton-seed linters	731,638	Feb. 18	1380	360	108	1413
Harrington, John W., Augusta, Ga. Cotton-seed cleaner	751,639	Feb. 9	1582	360	108	1413
Harrington, Joseph L., and J. J. Schermack, assignors to Thexton Electric Envelope Sealer Co., Chicago, Ill. Envelope-sealing machine	758,359	Apr. 26	4297	923	109	2319
Harrington, Neal J. (See Hastings and Harrington.)						
Harrington, Norman T., assignor to Olds Motor Works, Detroit, Mich. Muffler	768,013	Aug. 16	3619	797	111	1921
Harrington, Norman T., assignor to Olds Motor Works, Detroit, Mich. Vehicle-frame	773,639	Nov. 1	300	44	113	49
Harrington, Norman T., assignor to Olds Motor Works, Detroit, Mich. Motor and frame therefor for motor-vehicles	776,023	Nov. 29	5054	1066	113	1208
Harrington, Samuel S., Springfield, Mass. Toilet-paper holder	775,657	Mar. 29	4749	1037	109	1100
Harris, Adelbert M. (See Seymour and Harris.)						
Harris, Albert M., South Bend, Ind. Bag-holder	760,690	May 24	4193	890	110	992
Harris, Alfred E., London, England. Atmospheric gas-burner	734,561	Mar. 15	2708	589	109	636
Harris, Arthur E., Detroit, Mich. Knockdown crate or shipping-case	776,242	Nov. 29	5479	1160	113	1305
Harris Automatic Press Company. (See Harris, Charles G., assignor.)						
Harris, Benjamin. (See Lutz, Herbert, assignor.)						
Harris, Benjamin S. H. (See Harris, William A. and B. S. H.)						
Harris, Charles A. (See Harris, James R. and C. A.)						
Harris, Charles A., Massena, Iowa. Automatic vehicle-brake	775,298	Nov. 22	3541	746	113	856
Harris, Charles E., Columbus, Ohio. Gas-burner	765,339	July 19	2886	602	111	661
Harris, Charles F. (See George, Seymour, assignor.)						
Harris, Charles G., assignor to Harris Automatic Press Company, Niles, Ohio. Feeder for printing or other machines	751,284	Feb. 2	955	217	108	1260
Harris, Charles G., assignor to Harris Automatic Press Company, Niles, Ohio. Sheet feed or separator	759,705	May 10	2262	467	110	528
Harris, Charles G., assignor to Harris Automatic Press Company, Niles, Ohio. Numbering attachment for printing-presses	764,289	July 5	759	156	111	167
Harris, Charles G., assignor to Harris Automatic Press Company, Niles, Ohio. Sheet feed or separator. (Reissue.)	12,392	Nov. 29	5923	1250	113	1407
Harris, Charles T., Annex, Va. Gate	756,231	Apr. 5	77	17	109	1359
Harris, Clayton, Providence, R. I. Sash-balance	760,788	May 24	4399	935	110	1036
Harris, David F., and J. A. Hearin, Junction, Ark. Combined refrigerator and soda-water apparatus	752,546	Feb. 16	3320	739	108	1815
Harris, Edwin A. (See Clark and Harris.)						
Harris, Ella D., New York, N. Y. Oven for gas, gasoline, or oil stoves	763,751	June 28	4219	920	110	2416
Harris, Ernest C., Beckenham, England. Window-blind fitting	749,289	Jan. 12	1520	323	108	365
Harris, Ford W. (See Robb and Harris.)						
Harris, Frank D., Keo, Ark. Wrench	753,703	Mar. 1	989	213	109	203
Harris, Frank W. (See Randall and Harris.)						
Harris, George H. (See Trethewey, James, assignor.)						
Harris, Gordon D., Bayshore, assignor to Condensed Pure Food Company, Cohocton, N. Y. Drying apparatus	774,321	Nov. 8	1523	326	113	359
Harris, Herman. (See Burt and Harris.)						
Harris, Hugh, Gallon, Ohio. Baking-oven	769,077	Aug. 30	6026	1263	111	2452
Harris, Hugh D., Jacksonville, W. Va. Broom-holder	761,168	May 31	5180	1100	110	1232
Harris, I. Henry, et al. (See Snyder, Oscar, assignor.)						
Harris, Irvin F., Frost, Tex. Switch	760,200	May 17	3244	680	110	763
Harris, Isaac H. (See Landsberg, Herman, assignor.)						
Harris, Jacob, St. Louis, Mo. Truss	749,555	Jan. 12	2073	431	108	485
Harris, Jacob J., and J. Adams, Highland, Ohio. Self-cleaning strainer for downspouts	752,547	Feb. 16	3323	739	109	1816
Harris, James, assignor to Janesville Barb Wire Company, Janesville, Wis. Wire fencing	759,994	May 17	2837	593	110	673
Harris, James R. and C. A., Trenton, Mo. Cut-out switch for telephones	772,936	Oct. 25	3471	752	112	1765
Harris, Jesse, Rensselaer, N. Y. Shunt	765,889	July 26	3988	850	111	908
Harris, John B., Nashville, Tenn. Smoke-consuming furnace	754,999	Mar. 22	3544	776	109	825
Harris, John B., Atlanta, Ga., assignor to W. P. Ellsworth and M. Bell. Gas-purifier	772,037	Oct. 11	1656	870	112	1328
Harris, John H., Fitzgerald, Ga. Safety-pin	760,301	May 17	3247	680	110	764
Harris, John H., Fitzgerald, Ga. Napkin-supporting waist for infants	760,202	May 17	3248	681	110	764
Harris, John K., Clung, Va. Fence-post	749,056	Jan. 5	1021	215	108	235
Harris, John K., Cochranville, Pa. Movable wire fence	767,813	Aug. 16	3372	713	111	1824
Harris, Joseph. (See Sullivan and Harris.)						
Harris Manufacturing Company et al. (See Harris, William A. and B. S. H., assignors.)						
Harris Manufacturing Company. (See Trethewey, James, assignor.)						
Harris, Oscar O., Indianapolis, Ind. Gig-saddle-bolt clipper	771,145	Sept. 27	3868	816	112	919
Harris, Richard T., Terre Haute, Ind. Gaseller	768,046	Aug. 23	3885	815	111	1854
Harris, Roger W. (See Willett, George, assignor.)						
Harris Suspendor Company. (See Freeman, William, assignor.)						
Harris, Thomas, and O. E. Schobert, West Pittston, Pa. Package-carrier	767,884	Aug. 16	3513	743	111	1854
Harris, Thomas D., assignor of one-half to E. L. Moffitt, Ashboro, N. C. Mold for manufacturing wheelbarrow wheels	749,556	Jan. 12	2074	431	108	486
Harris, Thomas D., assignor of one-half to E. L. Moffitt, Ashboro, N. C. Manufacturing wheels	754,304	Mar. 8	2138	473	109	485
Harris, Thomas D., assignor of one-half to E. L. Moffitt, Ashboro, N. C. Wheel-spoke vise	762,712	June 14	2185	475	110	1930
Harris, Walter B., Indianapolis, Ind. Air or gas lift for fluids	758,360	Apr. 26	4301	924	109	2320
Harris, Walter B., Indianapolis, Ind. Air or gas lift for fluids	759,100	May 3	1011	206	110	229
Harris, Walter B., Indianapolis, Ind. Air or gas lift for fluids	759,706	May 10	2264	468	110	529
Harris, William A. and B. S. H., assignors to Harris Manufacturing Company and G. W. Taylor, Greenville, S. C. Automatic car discharge-valve	767,372	Aug. 9	3235	486	111	1574
Harris, William E., Philadelphia, Pa. Dumping-cart	749,057	Jan. 5	1021	216	108	236
Harris, William E., New York, N. Y. Automatic switch mechanism for railways	761,046	May 24	4936	1046	110	1148
Harris, William E., Pittsburg, assignor of one-half to J. F. Klappa, Allegheny, Pa. Traction-wheel	754,214	Mar. 8	1975	439	109	451
Harris, William E., assignor of two-thirds to D. I. and H. Hollander, New York, N. Y. Automatic switch-lock for railways	763,661	Aug. 30	5101	1092	111	2266
Harris, William T., Ellettsville, Ind. Automatic railway-switch adjuster	775,064	Nov. 15	3009	639	113	711
Harrison, Albert D., Detroit, Mich. Dumping-car	738,135	Apr. 26	3848	835	109	2221
Harrison, Alfred, et al. (See Waters, Frank J., assignor.)						
Harrison, Amos, Chicago, Ill. Car ventilation	762,524	June 14	1795	385	110	1847
Harrison, Arthur H. (See Reddick, Joseph G., assignor.)						
Harrison, Arthur W., Los Angeles, Cal. Electric controller	772,313	Oct. 11	2224	487	112	1455

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Harrison Bros. & Co. (See Jahn, Fredrik, assignor.)						
Harrison Bros. & Co. (See Schanche, Herman G., assignor.)						
Harrison, Frank B., Toledo, Ohio. Dust-guard	752,164	Feb. 16	2583	574	108	1650
Harrison, Frank B., and L. Y. Williams, Toledo, Ohio. Lubricating device for car-axle journals	752,161	Feb. 16	2579	574	108	1649
Harrison, Frank B., and L. Y. Williams, Toledo, Ohio. Lubricating device for car-axle journals	752,162	Feb. 16	2580	574	108	1649
Harrison, Frank B., and L. Y. Williams, Toledo, Ohio. Lubricating device for car-axle journals	752,163	Feb. 16	2582	574	108	1650
Harrison, Frederick W. (See Blakely, Thomas A., assignor.)						
Harrison, George C., Elvira, Ohio. Match-lighting attachment.	764,052	July 5	275	52	111	63
Harrison, Harry K., and A. L. Brown, assignors to W. J. Dyer & Bro., St. Paul, Minn. Combined drum and cymbal beater	751,505	Feb. 9	1330	303	108	1360
Harrison, Herman, New York, N. Y. Window-cleaning chair	764,463	July 5	1130	231	111	249
Harrison, James, Manchester, England. Roller-stopping mechanism for spinning-machines	765,890	July 26	3989	851	111	908
Harrison, James M., Rochester, N. Y., assignor to Wheeler & Wilson Manufacturing Co., Bridgeport, Conn. Thread-twisting machine	760,623	May 24	4043	559	110	959
Harrison, James W., assignor of one-half to A. Dawson, Atlanta, Ga. Cinder-guard for cars	764,462	July 5	1129	230	111	249
Harrison, Jesse E., Wetaskiwin, Canada. Grain or hay elevator	761,830	June 7	439	89, 90	110	1537
Harrison, John, Bryn Mawr, Pa. Cruller-frying machine	778,032	Dec. 20	3125	687	113	2132
Harrison, John O., Evansville, Ind. Fender	759,707	May 10	3255	468	110	529
Harrison, Julian R., Barnwell, S. C. Wrench	754,137	Mar. 8	1822	406	109	418
Harrison, Julian R., assignor of one-half to J. M. Easterling, Barnwell, S. C. Detaching device for bottle-closures	769,650	Sept. 6	971	210	112	221
Harrison, M. E., et al. (See Moreland, Henry J., assignor.)						
Harrison, Martin E., Parnassus, assignor of one-half to W. S. King, Pittsburg, Pa. Railway-rail	761,169	May 31	5181	1101	110	1222
Harrison, Newton, assignor of one-half to W. H. Laird, New York, N. Y. Electric-current regulator	757,302	Apr. 12	2170	476	109	1822
Harrison, Philip B., and C. F. Huntoon, assignors to Chicago Railway Equipment Company, Chicago, Ill. Brake-releasing device	750,031	Jan. 19	2997	642	108	702
Harrison, W. H., et al. (See Gallagher, Richard D., Sr., assignor.)						
Harrison, William, Grand Rapids, Mich. Device for erecting buildings out of plastic material	756,629	Apr. 5	826	178	109	1517
Harrison, William P., Cincinnati, Ohio. Oil-stove	776,320	Nov. 29	5599	1187	113	1331
Harrison, William T., Savannah, Ga. Valve	767,228	Aug. 9	2254	469	111	1558
Harriss, John A. (See Hargrove, William, assignor.)						
Harriss, Langdon, and W. H. Kendall, Waco, Tex. Touch-regulating attachment for pianos	756,016	Mar. 29	5479	1209	109	1265
Harold, Amos, Newark, Ohio. Traction-engine wheel	755,770	Mar. 29	5000	1112	109	1156
Harold, Elmer, and C. G. Wilderson, Leetonia, Ohio. Attachment for sharpening hand-saws	773,495	Oct. 25	4785	1008	112	2059
Harro, Richard & McCone. (See Campbell, Remembrance H., assignor.)						
Harrop, John T., Fairfield, N. J. Illuminating vault-cover	758,443	Apr. 26	4464	960	109	2357
Harry, Edward, Buffalo, N. Y. Adjustable chair or similar article	776,740	Dec. 6	556	122	113	1549
Harse, George W., New York, N. Y. Gas-light negative-printing attachment.	758,444	Apr. 26	4466	960	109	2357
Harsh, Len. (See Durham, George W., assignor.)						
Hart, Alvin L., Burlington, Iowa. Apparatus for perforating music-sheets	752,221	Feb. 16	2694	596	108	1677
Hart, Archibald, Dunblane, Scotland. Pen	757,868	Apr. 19	3809	717	109	2083
Hart, Charles W., Charles City, Iowa. Cylinder-cooling system for internal-combustion engines	774,732	Nov. 15	2376	513	113	566
Hart, Eli S., Chicago, Ill. Pneumatic road-bed cleaner	750,852	Feb. 2	317	31	108	1088
Hart, Francis P., Strasburg, Pa. Napkin-holder	770,576	Sept. 20	2738	580	112	652
Hart, George E., assignor to New England Watch Co., Waterbury, Conn. Bezel for watchcases	759,101	May 3	1012	206	110	230
Hart, Gerald W., assignor to Hart Manufacturing Company, Hartford, Conn. Electric switch	753,258	Mar. 1	85	22	100	21
Hart, Gerald W., West Hartford, assignor to Hart Manufacturing Company, Hartford, Conn. Electric snap-switch	753,881	Mar. 8	1331	300	109	307
Hart Grain Weigher Company. (See Hart, Stacy B., assignor.)						
Hart, Harry M. (See Heaslet, James G., assignor.)						
Hart, Harry S., Chicago, Ill., assignor to National Cold Dump Car Company of South Dakota, Rapid City, S. D. Freight-car	759,275	May 10	1433	285	110	348
Hart, Harry S., and O. W. Meissner, assignors to Rodger Ballast Car Company, Chicago, Ill. Dump-car	761,674	June 7	104	18	110	1461
Hart, Harry S., and O. W. Meissner, assignors to Rodger Ballast Car Company, Chicago, Ill. Dump-car	764,355	July 5	906	184	111	1991
Hart & Hegeman Manufacturing Company. (See Peck, Ashley P., assignor.)						
Hart, Henry C., assignor to Puritan Machine Company, Limited, Detroit, Mich. Attachment for coin-actuated machines	767,338	Aug. 9	2440	512	111	1598
Hart, Hubert C., Unionville, Conn. Finger-nail clipper	748,864	Jan. 5	589	134	108	133
Hart, Hubert C., Unionville, Conn. Making punches	759,708	May 10	3267	468	110	520
Hart, Hubert C., Unionville, Conn. Punch	759,709	May 10	3268	469	110	529
Hart, Hubert C., Unionville, Conn. Rake	763,885	June 28	4479	976	110	2471
Hart, Hubert C., Unionville, Conn. Making washers	766,882	Aug. 9	1567	329	111	1408
Hart, Hubert C., Unionville, Conn. Machine for making washers	767,149	Aug. 9	2095	437	111	1524
Hart, Hubert C., Unionville, Conn. Making washers	767,229	Aug. 9	2255	469	111	1558
Hart, James, Johnstown, Pa., assignor to Lorain Steel Company. Switch operating and locking device	773,566	Nov. 1	68	13	113	20
Hart, John B., Clarksburg, W. Va. Feed-gearing	762,713	June 14	2186	475	110	1930
Hart, Joseph E., Thomas Mills, Tenn. Nut-lock	767,642	June 16	3060	639	111	1755
Hart, Lewis W., and D. A. Binkert, Washington, D. C. Combination cork or stopper fastener and extractor	765,891	July 26	3991	852	111	909
Hart, Louis F., Baton Rouge, La. Brick-handling apparatus	750,645	Jan. 26	4133	896	108	962
Hart, Louis F., assignor to Hart Manufacturing Company, Cleveland, Ohio. Ratchet mechanism for die-stocks	762,630	June 14	2007	434	110	1893
Hart Manufacturing Company. (See Hart, Gerald W., assignor.)						
Hart Manufacturing Company. (See Hart, Louis F., assignor.)						
Hart Manufacturing Company. (See La Har, Ellsworth A., assignor.)						
Hart, Melville. (See Buckingham, Albert E., assignor.)						
Hart, Murray S., and H. K. Fairall, Snipes, Colo. Floating-weir head-gate	775,532	Nov. 22	4035	851	118	967

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Hart, Patrick J., Mendota, Ill. Tobacco stemming and booking machine	778,362	Dec. 27	3788	825	113	2291
Hart, Stacy B., assignor to Hart Grain Weigher Company, Peoria, Ill. Conveyor	759,884	May 17	2619	548 549	110	623
Hart, Thomas J., Buffalo, N. Y., assignor, by mesne assignments, to Liberty Manufacturing Company, Pittsburg, Pa. Tube or fue cleaner	761,586	May 31	5950	1277	110	1393
Hart, Walter H. (See Moore and Hart.)						
Hart, Walter H., New Britain, Conn. Tumbling-barrel	752,160	Feb. 16	2573	573	108	1649
Hart, Walter H., assignor to Stanley Works, New Britain, Conn. Back-band buckle	750,109	Jan. 19	3142	676	108	732
Hart, William, Troy, assignor of one-half to L. W. Groat, New York, N. Y. Knitting-needle	761,831	June 7	441	90	110	1537
Hart, William H., Jr. (See Pithouse, Arthur W., assignor.)						
Hart, William H., Jr., Philadelphia, Pa. Neckwear	778,033	Dec. 20	3125	687	113	2132
Hart, William J., Mount Vernon, assignor of one-half to C. F. Spitzdorf, New York, N. Y. Electric sparking igniter for explosive-engines	753,795	Mar. 1	1151	259	109	247
Harte, Henry, assignor to Harte-Stevens Company, Rochester, N. Y. Mechanism for sealing and delivering envelopes	749,378	Jan. 12	1698	360 361	108	405
Harte, Henry, and R. J. Stevens, assignors to Harte-Stevens Company, Rochester, N. Y. Envelop-sealing machine	749,377	Jan. 12	1695	360	108	405
Harte-Stevens Company. (See Harte, Henry, assignor.)						
Harte-Stevens Company. (See Harte and Stevens, assignors.)						
Hartell, Frederick G. (See Caldwell and Martin, assignors.)						
Hartell, Frederick G., Chicago, Ill. Coin-detector	757,741	Apr. 19	3076	670	109	2032
Hartell, Frederick G., Chicago, Ill., assignor of two-thirds to Y. Q. Caldwell, Paris, and L. M. Martin, Martin, Tenn. Vending-machine	758,007	Apr. 19	3580	775	109	2144
Hartenstein, Sylvanus, Easton, Pa. Railway-tie	759,175	May 3	1150	236	110	263
Harter, Eli E., and E. O. Doak, Sac City, Iowa. Marker-lifter for corn-planters	748,728	Jan. 5	327	73	108	72
Harter, George E., assignor to Hickox, Mull & Hill Company, Toledo, Ohio. Garden implement	761,072	May 31	4992	1059 1060	110	1180
Harter, George E., assignor to Hickox, Mull & Hill Company, Toledo, Ohio. Hanger-bearing	771,146	Sept. 27	3871	816	112	919
Hartford, David F., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rolling-machine tool for sole-cutting	767,754	Aug. 16	3242	683	111	1797
Hartford, Moses E., et al. (See Mitchell, James C., assignor.)						
Hartford Rubber Works. (See Midgley, Thomas, assignor.)						
Hartman, Charles E., Lynn, Mass., assignor to General Electric Company. Electric-arc lamp	771,907	Oct. 11	1376	312 313	112	1266
Hartman, Frank E., assignor to L. C. Taylor, trustee, Trenton, N. J. Rubber-gasket-making machine	763,558	June 28	3846	833	110	2335
Harting, George F., Chicago, Ill. Puffing-iron	762,631	June 14	2009	434	110	1893
Harting, Hans, Brunswick, Germany. Lens	765,006	July 12	2255	466	111	509
Harting, Hans, Brunswick, Germany. Lens	766,036	July 26	4273	915	111	969
Hartley, Henry, and V. Canova, Birmingham, England. Speed and distance recorder for tram-cars, motor-cars, &c	778,451	Dec. 27	3958	860 861 862	113	2328
Hartley Loop Weave Company. (See Hartley, William G., assignor.)						
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving ornamental fabrics	762,525	June 14	1798	386	110	1848
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabric	762,526	June 14	1801	386 387	110	1849
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabric	762,527	June 14	1803	387	110	1849
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabric	762,528	June 14	1806	388	110	1850
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Flexible looper for doup-weaving	762,584	June 14	1914	413	110	1872
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving velvet	768,222	Aug. 23	4276	899	111	2043
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabrics	768,223	Aug. 23	4277	899 900	111	2043
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabrics	768,224	Aug. 23	4280	900	111	2044
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Mechanism for cutting loops of pile fabrics	768,225	Aug. 23	4283	901	111	2044
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabric	775,970	Nov. 29	4953	1045 1046	113	1183
Hartley, William G., assignor to Hartley Loop Weave Company, Amesbury, Mass. Loom for weaving pile fabric	778,363	Dec. 27	3784	826	113	2291
Hartlieb, Curt. (See Paul and Hartlieb.)						
Hartman, Charles G., assignor of one-half to E. Ball, Glens Falls, N. Y. Trolley-fork	765,137	July 12	2497	522	111	558
Hartman, Frank O., Mansfield, Ohio. Automatic magnetic circuit-breaker	753,704	Mar. 1	940	213	109	203
Hartman, Henry, Allegheny, Pa. Lock	762,051	June 7	845	173	110	1620
Hartman, John K. (See Leeking and Hartman.)						
Hartman, John R., Davenport, Iowa. Door-hinge	749,379	Jan. 12	1701	361	108	406
Hartman, John S., assignor of one-half to W. S. Schroll, Manchester, Pa. Tool for scraping and finishing floors	749,961	Jan. 19	2662	569	108	629
Hartman, Rudolph, Madison, Wis. Composite building material	750,456	Jan. 26	3776	821	108	890
Hartman, Samuel, Hartford, Conn. Hook for supporting tenting-cloth	755,658	Mar. 29	4750	1057	109	1100
Hartman, Stephen A., Charles City, Iowa. Attachment for sickle-bars	777,093	Dec. 13	1260	277	113	1724
Hartmann, Henry, Chicago, Ill. Glove	760,303	May 17	3250	681	110	764
Hartmann, Johann H. F. L., Hamburg, Germany. Grain decortivating and grinding machine	778,193	Dec. 20	3428	754	113	2196
Hartmann, John W., Mount Vernon, N. Y. Binding device for columns or other articles	775,351	Nov. 22	3655	774	113	884
Hartmann, John W., Mount Vernon, N. Y. Wood column	775,365	Nov. 22	3668	783	113	891
Hartness, James, Springfield, Vt. Templet-controlled turner for lathes	763,886	June 28	4480	976	110	2471
Hartness, James, Springfield, Vt. Turning-tool for lathes	769,219	Sept. 6	152	37, 38	112	33
Hartness, James, Springfield, Vt. Turret-lathe	771,242	Oct. 4	38	7 8 9 10	112	960
Hartness, James, Springfield, Vt. Lathe	771,243	Oct. 4	46	11	112	971
Hartness, James, Springfield, Vt. Turning-tool	773,640	Nov. 1	201	44	113	49
Hartom, Francis, Canajoharie, N. Y. Automobile sleigh	769,438	Sept. 6	584	128	112	132
Hartshorn, Andrew L. and G. C., Fort Worth, Tex. Combination davenport and couch	753,487	Mar. 1	494	116	109	108

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Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Attachment for spring shade-rollers.	777,094	Dec. 13	1262	278	113	1724
Hartshorn, Guy C. (See Hartshorn, Andrew L. and G. C.)						
Hartshorn, Joseph, Stuart, Iowa. Pick.	758,915	May 3	670	135	110	158
Hartung, Warner, Brooklyn, assignor to H. J. Gaisman and F. S. M. Blum, New York, N. Y. Waist-belt.	767,941	Aug. 16	3628	767	111	1878
Hartupce, William D., Pittsburg, Pa. Apparatus for handling material in glass-houses.	776,133	Nov. 29	535	1110	113	1254
Hartwig, Gottlieb, District of Highlands, Ky. Capstan.	756,851	Apr. 12	1273	283	109	1631
Hartwig, Henry W., Taylor Station, Wis. Tongue-support.	776,321	Nov. 29	5600	1187	113	1331
Hartwig, William J., Detroit, Mich. Electric cut-out.	761,675	June 7	107	18	110	1463
Harty, James W., Chicago, Ill. Locomotive-spring.	751,850	Feb. 9	1992	451	108	1500
Hartz, William, Sheffield, Ill. Pin for attaching windmill-rods to pump-rods.	778,412	Dec. 27	3883	846	113	2313
Hartzell, Samuel E. (See Gibson, John H., assignor.)						
Hartzell, William, Philadelphia, Pa. Time-damper mechanism.	754,446	Mar. 15	2486	541	109	758
Hartzler, Aaron, Goshen, Ind. Step-ladder.	759,176	May 3	1160	236	110	264
Hartzler, Aaron, Goshen, Ind. Step and extension ladder.	766,246	Aug. 2	215	42	111	1088
Harvey, Charles A., assignor to Acme Gas Company, Chicago, Ill. Safety-gage for liquids.	766,996	Aug. 9	1784	374	111	1457
Harvey, Charles A., assignor of one-half to H. C. Meader, Norwood, Ohio. Garment-supporter.	777,095	Dec. 13	1264	278	113	1724
Harvey, E. E. (See Holland, William A., assignor.)						
Harvey, George H., borough of Glenfield, Pa. Glass-drawing machine.	750,538	Jan. 26	3959	857	108	927
Harvey, George H., Glenfield, Pa. Glass-drawing machine.	772,509	Oct. 18	2634	579	112	1565
Harvey, George H., Glenfield, Pa. Glass-drawing machine.	772,510	Oct. 18	2637	579	112	1566
Harvey, George L., Chicago, Ill. Friction device.	758,066	Apr. 26	3721	808	109	2191
Harvey, George L., Chicago, Ill. Friction device.	758,067	Apr. 26	3724	809	109	2191
Harvey, George L., Chicago, Ill. Draw-gear for cars.	773,737	Nov. 1	386	85, 86	113	91
Harvey, John, Grand Rapids, assignor of one-half to P. H. Benjamin, Grand Haven, Mich. Sofa-bed.	749,789	Jan. 19	2537	530	108	602
Harvey, Robert, Newtown, and C. J. Bruce, Blakehurst, New South Wales, Australia. Self-tilting tray or table.	770,287	Sept. 20	2208	460	112	533
Harvey, Walter A., Battletree, Mich. Power-transmission device.	764,239	July 5	670	136	111	149
Harvey, William, et al. (See Johnston, Abner, assignor.)						
Harvey, William A., assignor of two-thirds to C. and W. L. Schlager, Scranton, Pa. Combined electrical-battery receptacle and bell-support.	750,646	Jan. 26	4135	897	108	963
Harvin, Charles B., Manning, S. C. Cotton-picker.	767,058	Aug. 9	1905	399	111	1485
Harvard, Charles B., Shepard, Ohio. Mail-box.	759,437	May 10	1752	354	110	417
Harwell, Galveston, Cartersville, Ga. Cotton chopper and cultivator.	762,714	June 14	2188	476	110	1930
Harwood, Charles E. (See Grover, George B., assignor.)						
Harwood, F. W. (See Gould, Wilbur S., assignor.)						
Hasbrouck, John J. C., New York, N. Y. Wood flooring.	768,852	Aug. 30	5586	1173	111	2354
Hasburg, John W., assignor to National Burglar and Fire Alarm Company, Chicago, Ill. Alarm system.	753,136	Feb. 23	4492	1000	108	2092
Hasch, Frederick W., Cecil, Ohio. Sieve.	754,865	Mar. 15	3302	719	109	756
Haschke, Feodor G. (See Haschke, Julius E., assignor.)						
Haschke, Julius E., Chicago, Ill., assignor to F. G. Haschke, Austin, Tex. Electrical battery.	762,715	June 14	2189	476	110	1931
Hasek, Jan. (See Goldschmidt and Hasek.)						
Hassenbach, Wilhelm, assignor to Verein Chemischer Fabriken in Mannheim, Mannheim, Germany. Contact apparatus for the production of sulfuric anhydride.	752,165	Feb. 16	2584	575	108	1650
Haserick, Arthur A., Boston, Mass. Tension-pulley.	764,584	July 12	1409	298	111	324
Haskell, Broderick, Franklin, Pa., assignor to Franklin Rolling Mill and Foundry Company. Post for street-signs, &c.	767,406	Aug. 16	2576	543	111	1646
Haskell, Henry L., Ludington, Mich., and C. F. Brigham, Sheboygan, Wis. Billiard or pool ball.	753,392	Mar. 1	319	72	109	72
Haskell, Willard D., East Palmyra, N. Y. Machine for topping onions.	765,892	July 26	3992	852	111	909
Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Pneumatic-valve for organs.	760,114	May 17	3067	642	110	725
Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Pneumatic-coupler for pipe or reed organs.	760,115	May 17	3069	642	110	725
Haskins, Caryl D., Schenectady, N. Y., assignor to General Electric Company. Switch for series arc-circuits.	750,971	Feb. 2	357	86	108	1136
Haskins, Elbert O., Rutherford, N. J. Heating-boiler.	761,479	May 31	5763	1230	110	1351
Haskins, James H., San Diego, Cal., assignor of one-half to International Harvester Company, Chicago, Ill. Machine for grinding metal surfaces.	751,791	Feb. 9	1860	424	108	1471
Haskins, James H., San Diego, Cal., assignor of one-half to International Harvester Company, Chicago, Ill.	777,728	Dec. 20	2472	545	113	2001
Haslam, Thomas E., et al. (See Carmont, Hazelwood, assignor.)						
Haslerud, Peter K., et al. (See Anderson, Alfred, assignor.)						
Haslinger, Anton, Allegheny, Pa. Thermo-electric alarm.	777,506	Dec. 13	2037	449	113	1893
Hass, Herman J. (See Shultz, Hass, and Thorden.)						
Hassler, Charles W., Westfield, Mass. Racer for braiding-machines.	749,290	Jan. 12	1529	323	108	366
Hassler, George. (See Buck and Hassler.)						
Hassler, Robert H., assignor to Marion Motor Car Company, Indianapolis, Ind. Speed-controlling mechanism for automobiles or the like.	776,134	Nov. 29	5257	1111	113	1254
Hastain, Eddie, Tishomingo, Ind. Ter. Pneumatic liquid-elevator.	776,907	Dec. 6	890	192	113	1623
Hastie and Company, John. (See Richardson, Robert, assignor.)						
Hastings, Alonzo L., Allegheny, assignor of one-half to Pressed Steel Car Company, Pittsburg, Pa. Pneumatic rivet-holder.	763,887	June 28	4482	977	110	2471
Hastings, Charles A., administrator. (See Chapman, William S.)						
Hastings, George H., Oporto, Portugal. Pneumatic tire.	768,278	Aug. 23	4383	921	111	2067
Hastings, Glover S. (See Hodges and Hastings.)						
Hastings, James, et al. (See Crawford, James J., assignor.)						
Hastings, William. (See Kohde and Hastings.)						
Hastings, William A., Sacramento, and N. J. Harrington, Oakland, Cal., assignors, by mesne assignments, to Commercial Coffee and Trading Company, Jersey City, N. J. Cleaning coffee.	774,725	Nov. 8	2307	499	113	532
Hatashita, Sezo, Detroit, Mich. Car-roof.	770,577	Sept. 20	2739	580	112	652
Hatch, Carlos F. (See Stringer, Wesley, assignor.)						
Hatch, James N. (See Cowles and Hatch.)						
Hatch, James N., assignor of one-half to W. L. Cowles, Chicago, Ill. Sheet-piling.	774,877	Nov. 15	2633	566	113	622
Hatch, Melvin D., Lincoln, Nebr. Corn picker and husker.	759,370	May 10	1630	330	110	389

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Hatch, Raymond M. (See Karle and Hatch.)						
Hatch, Sarah E., et al. (See Kelsey, Henry O., assignor.)						
Hatch, Washington S., et al. (See Kelsey, Henry O., assignor.)						
Hatcher, Wiley, Ruleville, Miss. Ax-head	766,944	Aug. 9	1694	355	111	1438
Hatcher, William A. (See Packard and Hatcher.)						
Hatfield, Frank K., Boston, Mass. Garment-fastener	766,500	Aug. 2	734	153	111	1201
Hatfield, Frank K., assignor to F. F. Hicks, Boston, Mass. Burnishing-machine	751,505	Feb. 9	1331	304	108	1360
Hatfield, Martin H., Harriman, Tenn. Corn-grinder	758,068	Apr. 26	3727	810	109	2192
Hathaway, Edwin C. (See Gunn and Hathaway.)						
Hathaway, James F., assignor to Hathaway Rotary Engine Co., San Francisco, Cal. Rotary explosive-motor	765,777	July 26	3796	809	111	865
Hathaway, James F., assignor to two-thirds to F. B. Mulgrew and J. M. Alexander, San Francisco, Cal. Electric water-heater	755,659	Mar. 29	4750	1058	109	1100
Hathway Rotary Engine Co. (See Hathaway, James F., assignor.)						
Hathorn & Company. (See Allardice, James A., assignor.)						
Hathorn, Henry W., Mason City, Iowa. Power-hammer	758,361	Apr. 26	4303	924	109	2320
Hathorn, Nathaniel L., Alexandria, La. Wire-stretcher	769,651	Sept. 6	972	211	112	221
Hathorn, Nathaniel L., Alexandria, La. Plow-shield	773,074	Oct. 25	3818	814	112	1844
Hatlie, Ole, assignor of one-half to J. Stephenson, Fosston, Minn. Brush-breaker	768,329	Aug. 23	4476	941	111	2086
Hatschek, Emil, New York, N. Y., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Filter-press	776,024	Nov. 29	5057	1067	113	1209
Hatschek, Ludwig, Vöcklabruck, Austria-Hungary. Manufacturing imitation stone plates, slabs, or tiles	769,078	Aug. 30	6029		111	2453
Hattan, Charles H., Emlenton, Pa. Oil-lamp	768,747	Aug. 30	5366	1130	111	2305
Hattin Company. (See Hattin, David W., assignor.)						
Hattel, David W., assignor to Hattel Company, Kalamazoo, Mich. Tool-sharpener	771,066	Sept. 27	3711	783	112	883
Hatter, George B., assignor of one-half to G. Rahner, Brooklyn, N. Y. Curtain-fixture	756,361	Apr. 5	350	71	109	1418
Hattiesburg Eight Wheel Wagon Co. (See Strickland, Dewitt W., assignor.)						
Hatton, Charles H. (See Brennan, George T., assignor.)						
Hauck, Otto, Newport News, Va. Oil-burner	762,167	June 7	1051	221	110	1667
Hauck & Son, Charles J. (See Vogt, Frank H., assignor.)						
Hauer, Joseph J. (See Hager, Robert, assignor.)						
Hauer, Titus K. (See Smith and Hauer.)						
Hauff, Fred, Akron, Ohio. Hame-tug	749,733	Jan. 19	2427	515	108	578
Haug, Andrew, West Orange, N. J. Making phonograph-cylinders	777,629	Dec. 13	3295	504	113	1946
Haug, Haakon N., Christiania, Norway. House for drying fish, &c	766,186	Aug. 2	63	11	111	1055
Haughey, John Q. A., Battlecreek, Mich. Inhaler	759,835	May 17	2621	549	110	623
Haulick, Hermann, New York, N. Y., assignor to New York Labelling Machine Company, Labeling-machine	765,970	July 26	4140	884 885	111	942
Hauser, Friedrich. (See Vilim and Hauser.)						
Hauser, Isaiah L., Chicago, Ill. Tobacco-pipe	748,729	Jan. 5	329	73	108	73
Hauser, Richard J., et al. (See Pilz, Theodore, assignor.)						
Hauser, Samuel M., assignor to H. G. Neal, Minneapolis, Minn. Awning-roller chain-box	774,841	Nov. 15	2622	551	113	606
Hauser, Theodore, Chicago, Ill. Sofa-bed	767,059	Aug. 9	1906	399	111	1485
Hausfeld, Bernard J., and E. H. Lunken, Cincinnati, Ohio, assignors, by mesne assignments, to said Lunken. Window	760,624	May 24	4044	860 861	110	960
Hausfeld, Bernard J., and E. H. Lunken, Cincinnati, Ohio; said Hausfeld assignor to said Lunken. Window	760,625	May 24	4048	862 863	110	961
Hausfeld, Bernard J., and E. H. Lunken, Cincinnati, Ohio; said Hausfeld assignor to said Lunken. Window construction	760,626	May 24	4055	862 863	110	963
Hausfeld, Bernard J., and E. H. Lunken, Cincinnati, Ohio; said Hausfeld assignor to said Lunken. Window construction	763,484	June 28	3715	901 901	110	2308
Hausfeld, Joseph E., assignor to E. H. Huenefeld, Cincinnati, Ohio. Mechanical movement	766,825	Aug. 9	1448	302 302	111	1383
Hausle, Frank, assignor to American School Furniture Company, New York, N. Y. Adjustable opera-chair standard	761,377	May 31	5594	1191	110	1311
Hausse, Anton A., assignor to Seng Company, Chicago, Ill. Fastening device for detachable parts of furniture	760,116	May 17	3073	643	110	726
Hausser, William, Derby, Conn. Carpet-fastener	763,485	June 28	3718	901	110	2308
Hausmann, Christian, Chicago, Ill. Stopper-extractor	775,273	Nov. 15	3845	735	113	826
Hausmann, Hermann, Chicago, Ill. Tentin	751,507	Feb. 9	1333	304	108	1361
Havens, Joseph G., Asbury Park, N. J. Tobacco-stripping machine	764,053	July 5	277	53, 54 401	111	63
Havens, Joseph G., Asbury Park, N. J. Tobacco-stripping machine	764,845	July 12	1950	402	111	443
Havens, Morton J., Albany, N. Y. Branch box for insulated electric wires	775,087	Nov. 15	2949	629	113	697
Havliu, Joseph, Luther, Okla. Ter. Motor-gear	759,009	May 10	2082	426	110	488
Hawes, Frederick W., Henryetta, Ind. Ter. Combined buckle and cockeye	760,987	May 24	4788	1018	110	1118
Hawes, H. C., et al. (See Reinmiller, William C., assignor.)						
Hawes, James W. (See Glock and Hawes.)						
Hawke, Frederick London, assignor to J. R. Crompton & Brothers, Limited, near Bury, Lancashire, England. Holder for sample rolls of paper	763,394	June 28	3548	764	110	2372
Hawke, James H., Martinsburg, Ohio. Smoke-consuming furnace	753,259	Mar. 1	86	22	109	21
Hawkins, Charles E., East Pittsburg, and F. Cary, Wilkinsburg, Pa. Wrench	754,063	Mar. 8	1680	373	109	387
Hawkins, Charles E., Braddock, and F. Cary, Wilkinsburg, Pa. Indicator	777,254	Dec. 13	1548	344 345	113	1786
Hawkins, Charles G., assignor of one-half to R. W. Swanston, Des Moines, Iowa. Animal-trap	757,098	Apr. 12	1663	360	109	1712
Hawkins, Edwin B., San Francisco, Cal. Die-lifter	766,694	Aug. 2	1144	237	111	1295
Hawkins, Elbert E., Philadelphia, Pa. Hose-supporter	767,150	Aug. 9	2099	438	111	1525
Hawkins, Fred L., Gardner, Mass. Lubricating device. (Reissue.)	12,209	Mar. 22	4637	1080	109	1061
Hawkins, George B. (See Kimpton, Henry K., assignor.)						
Hawkins, Harry, et al. (See Hayes, Edward W., assignor.)						
Hawkins, J. W., et al. (See Hayes, Edward W., assignor.)						
Hawkins, James B., Slater, Mo. Fastener for doors or the like	732,166	Feb. 16	2585	575	108	1651
Hawkins, John D., Colorado Springs, and G. E. Gannon, Colorado City, Colo. Barrel-filter	756,852	Apr. 12	1275	284	109	1631
Hawkins, Mabelle, and A. T. Perry, Hamilton, Iowa. Saw-set	770,429	Sept. 20	2456	521	112	588
Hawkins, Roy, Fond du Lac, Iowa. Hay and shocked-grain loader	757,303	Apr. 12	2172	476	109	1824
Hawkins, Theodore L., Lincoln, Nebr. Feed-bag	754,305	Mar. 8	2140	474	109	485
Hawkins, Thomas, London, England. Apparatus for embossing paper or the like	773,496	Oct. 25	4757	1000	112	2059
Hawkinson, Sven O., Chicago, Ill. Building-block	774,174	Nov. 8	1256	266	113	301
Hawkeworth, Charles F., Pittsburg, Pa. Scoop-trowel	762,307	June 14	1339	287	110	1750
Hawley, Charles T., assignor to Simplex Time Recorder Company, Gardner, Mass. Watchman's time-recorder	759,177	May 3	1162	236 237	110	264
Hawley, Eugene W., Milwaukee, Wis. Trunk	768,395	June 28	3549	764	110	2272
Hawley, Francis O., Charlotte, N. C. Fumigating apparatus	769,079	Aug. 30	6030	1263	111	2453

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Hawley, George F., Chicago, Ill., assignor to S. H. Wetmore Co., New York, N. Y. Atomizer	772,802	Oct. 18	3202	697	112	1687
Hawley, Sylvester S., Odin, assignor of one-half to W. Denman, Centralia, Ill. Car-fender	768,176	Aug. 23	4180	879	111	2022
Hawman, Harvey H., <i>et al.</i> (See Huntley, Stephen A., assignor.)						
Haworth, John H., <i>et al.</i> (See Frerot, Charles, assignor.)						
Haworth, Lysander L., Decatur, Ill. Scoop-board	764,721	July 12	1698	347	111	887
Haworth, Lysander L., Decatur, Ill. Harrow-tooth fastening	776,394	Nov. 29	5750	1217	113	1366
Haws, Isaac, Hanibal, N. Y. Fence	758,593	Apr. 26	4576	1024	109	2422
Hawthorne & Sheble Manufacturing Company. (See Sheble, Horace, assignor.)						
Hawthurst, Henry I., East Oakland, Cal. Selective telephone call mechanism	766,945	Aug. 9	1694	355	111	1438
Hay, Philip C., Chicago, Ill. Antiseptic thermometer-case	752,395	Feb. 16	3039	676	108	1753
Haycock, Frank E., and J. McDermott, Minneapolis, Minn. Crematory	750,457	Jan. 26	3777	822	108	890
Haycraft, John I., Linneus, Mo. Hotel-register desk	757,920	Apr. 19	3411	738	109	2106
Haycraft, John I., Linneus, Mo. Blotter attachment for desks	757,921	Apr. 19	3412	739	109	2106
Hayden, Amos S., assignor, by mesne assignments, to E. F. Hayden, Avon, Mass. Ironing device for shoes, &c.	762,052	June 7	846	173	110	1620
Hayden, Austin B., Chicago, Ill., assignor to Computing Scale Company of America.						
Hayden Automatic Block Machine Company. (See Jaeger, Gebhard, assignor.)	770,804	Sept. 27	3178	673	112	765
Hayden, Ellen F. (See Hayden, Amos S., assignor.)						
Hayden, Ellis L., Salem, Mass. Attachment for band-saws	770,805	Sept. 27	3181	674	112	766
Hayden, Ernest W., Bayles, Cal. Apparatus for holding can-covers in canning	761,767	June 7	292	58	110	1503
Hayden, Frank, Danville, Ill. Chimney-top	751,912	Feb. 9	2108	476	108	1528
Hayden, Frederick B., Belleville, N. J. Vehicle-tire protector	750,647	Jan. 26	4133	897	108	963
Hayden, George W. (See Hayden, James T. and G. W.)						
Hayden, George W., Oak Park, assignor to Crane Company, Chicago, Ill. Valve	773,641	Nov. 1	2035	45	113	49
Hayden, Henry A., Jersey City, N. J., assignor to Hayden Implement Company, New York, N. Y. Brush-handle	760,451	May 24	3705	784	110	885
Hayden, Henry A., Jersey City, N. J., assignor to Hayden Implement Company, New York, N. Y. Window-cleaner or the life W. J. Vehicle-tire protector	763,888	June 28	4483	977	110	2472
Hayden, Henry A., Jersey City, N. J., assignor to Hayden Implement Company, New York, N. Y. Brush-handle	764,124	July 5	423	82	111	92
Hayden, Henry A., Jersey City, N. J., assignor to Hayden Implement Company, New York, N. Y. Window-cleaner	765,314	July 19	2825	588	111	648
Hayden, Howard. (See Knapp, George J., assignor.)						
Hayden Implement Company. (See Hayden, Henry A., assignor.)						
Hayden, James T. and G. W., Oak Park, assignors to Crane Company, Chicago, Ill. Valve	773,642	Nov. 1	205	45	113	50
Hayden, Jefferson B., Abilene, Tex. Draft-equalizer	748,730	Jan. 5	330	74	108	73
Hayden, Joel, Scituate, R. I., assignor, by mesne assignments, to Boston Spinning Ring Company, Portland, Me. Yarn-spinning apparatus	758,752	May 3	350	70	110	86
Hayden, William B., New York, N. Y. Fly-wheel for explosive-engines	764,166	Mar. 29	5737	1267	109	1320
Hayden, William B., New York, N. Y. Electric igniter for explosive-engines	764,355	July 5	909	185	111	200
Haydock, Edward, Manchester, England. Hand-plane	762,235	Oct. 11	2074	454	112	1421
Hayes, Alexander, Empire, Ohio. Nut-lock	750,189	Jan. 19	3280	708	108	761
Hayes, Cleburn L., Lebanon, Tenn. Progress	772,144	Oct. 11	1884	417	112	1378
Hayes, Edward W., assignor of one-half to J. W. Hawkins, W. J. Holland, Birmingham, Ala., and H. Hawkins, New York, N. Y. Cotton gin and condenser	770,902	Sept. 27	3384	714	112	812
Hayes, Frank. (See Brown and Hayes.)	753,488	Mar. 1	497	116	109	109
Hayes, George D., Chetek, Wis. Whiffletree-hook	752,222	Feb. 16	2696	597	108	1678
Hayes, George D., Hillsboro, Tex. Baling press	760,117	May 17	3074	643	110	726
Hayes, George L., assignor of one-half to W. M. Hodson, Roseburg, Oreg. Beet toppler and lifter	772,097	Oct. 11	1784	396	112	1357
Hayes, Henry, Denver, Colo. Motor-vehicle attachment	777,369	Dec. 13	1774	394	113	1835
Hayes, James A. (See Kellum, Claude S., assignor.)						
Hayes, James P. (See Craddock, Levi S., assignor.)						
Hayes, Jesse W., Baltimore, Md. Tobacco-pipe	749,190	Jan. 12	1298	280	108	318
Hayes, John F., <i>et al.</i> (See Ruckle, Daniel H., assignor.)						
Hayes, John F., Richmond, Va. Folding wardrobe	753,393	Mar. 1	320	72	109	72
Hayes, John H., East Tawas, assignor of one-half to L. H. Braddock, Tawas City, Mich. Vegetable-cooker	751,640	Feb. 9	1584	361	108	1414
Hayes, John J. (See Powers, Edmund B., assignor.)						
Hayes, Narcissa, <i>et al.</i> (See Born, Marion A., assignor.)						
Hayes, Norman B., assignor of one-half to C. S. Kellogg, Watertown, N. Y. Pulp-screen	759,710	May 10	2270	469	110	530
Hayes, Randall B. (See Williams, Hiram C., assignor.)						
Hayes, Stanley W., Geneva, N. Y. Derailer	778,578	Dec. 27	4197	915	113	2380
Hayes, William, <i>et al.</i> (See Good, Thomas L., assignor.)						
Haymond, Thomas S., <i>et al.</i> (See Heenan, James, assignor.)						
Hayne, Levi, Schenectady, N. Y. Car-wheel	752,673	Feb. 23	3594	801	108	1891
Haynes, Elwood, Kokomo, Ind. Multiple-feed lubricating-pump	777,413	Dec. 13	1357	410	113	1853
Haynes, Elwood, and E. Apperson, Kokomo, Ind. Carbureting device for explosive-engines	751,913	Feb. 9	2109	476	108	1528
Haynes, Henrietta L., Boston, Mass. Coin-holder	765,483	July 19	3187	666	111	725
Haynes, Henry, and R. H. Lindal, Philadelphia, Pa. Pumping mechanism for gas apparatus	766,346	Aug. 2	414	87	111	1131
Haynes, William, Atlanta, Ga., assignor to Draper Company, Portland, Me. Cut signal or indicator for looms	753,980	Mar. 8	1528	341	109	353
Hayes, Edward F. (trustee. (See Hayes, Harry J., assignor.)						
Hayes, Harry J., assignor to E. F. Hayes, trustee, Pittsburg, Pa. Working glass	752,674	Feb. 23	3595	801	108	1892
Hayes, Harry J., assignor to E. F. Hayes, trustee, Pittsburg, Pa. Apparatus for forming plate-glass	759,109	Feb. 23	4381	974	108	2068
Hayes, Harry J., Pittsburg, Pa., assignor to E. F. Hayes, trustee. Steam-engine	753,062	May 3	1013	206	110	230
Hayes, James T. and T. C., Emmitsburg, Md. Carbide-feed for gas-machines	758,249	Apr. 26	4066	880	109	2268
Hayes, Samuel C., Sandylake, Pa. Combined dinner-plate and heater	761,047	May 21	4938	1046	110	1149
Hayes, Thomas C. (See Hayes, James T. and T. C.)						
Hayes, William S., assignor of one-half to S. W. Clapp, Hillham, Ind. Vehicle-brake	732,675	Feb. 23	3396	801	108	1892
Hayward, Harry H., Monongahela, Pa. Car-wheel	759,812	May 10	2472	517	110	575
Hayward, John W., Cleveland, Ohio. Brick provided with vitreous or glass face	771,011	Sept. 27	3592	757	112	860
Hayward, Jonathan B. (See Strong, Arthur J., assignor.)						
Hayward, Morris A., Columbus, Ohio. Flooring end joint	754,215	Mar. 8	1976	489	109	451
Haywood, Daniel H., New York, N. Y. Apparatus for making hair-pins	753,070	Feb. 23	4383	975	108	2069

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Haywood, Daniel H., New York, N. Y. Device for supporting fountain-pens.	735,870	Mar. 29	5196	1149	109	1303
Haywood, Daniel H., assignor to Davis & Roesch Temperature Controlling Company, New York, N. Y. Thermostat.	735,487	Mar. 22	4432	980	109	1013
Haywood, Daniel H., New York, assignor to National Machine Company, Mamaroneck, N. Y. Buttonhole-sewing machine.	767,478	Aug. 16	2721	572	111	1679
Hazard, Charles C., Washington Court-House, Ohio. Physician's examining and treating couch or table.	757,807	Apr. 19	3200	695	109	2060
Hazard, Henry T., Los Angeles, Cal. Suspenders.	760,393	May 17	3786	736	110	840
Hazel-Atlas Glass Company. (See Good, Robert, Jr., assignor.)						
Hazel, George W., Aurora, Ill. Trap.	749,380	Jan. 12	1703	361	108	406
Hazel, George W., Aurora, Ill. Tide and wave motor.	775,421	Nov. 22	3814	806	113	920
Hazebaker, Martha, Kokomo, Ind. Abdominal supporter.	751,641	Feb. 9	1585	361	108	1414
Hazebaker, Martha, Kokomo, Ind. Abdominal belt.	732,548	Feb. 16	3323	740	108	1816
Hazeling, Ross, Cottagegrove, Oreg. Rotary engine.	756,362	Apr. 5	351	71.72	109	1419
Hazelton, George P., Newtonville, Mass. Device for measuring tapers.	761,378	May 31	5595	(1191) (1192)	110	1312
Hazen, Levi P., Cincinnati, Ohio. Building structure.	775,708	Nov. 22	4413	331	113	1049
Hazledine, John, Philadelphia, Pa. Potato digger and gatherer.	764,889	July 13	3033	419	111	461
Heacker, Herman, San Diego, Cal. Bake-oven.	734,866	Mar. 15	3304	720	109	757
Headley, Joseph W., Coopers, Ala. Truss-bridge.	762,632	June 14	2010	(434) (435)	110	1894
Headson, Frank A., assignor of two-thirds to L. H. J., and M. Pottlitzer. Pipe-wrench.	768,007	July 12	2256	406	111	509
Heal, Harry E. (See Harding and Heal.)						
Heald, Alfred, Philadelphia, Pa. Loom for weaving pile fabrics.	775,218	Nov. 15	3349	714	113	787
Heald, Issachar A., Washington, D. C. Tobacco-pipe.	764,125	July 5	425	83	111	92
Heald, Issachar A., Washington, D. C. Cigar or cigarette holder.	766,946	Aug. 9	1697	355	111	1439
Heald, John, Springfield, Mass. Trombone.	771,012	Sept. 27	3593	757	112	860
Healey & Company. (See Douglas, William H., assignor.)						
Healey, Harry F., Chelsea, Mass., assignor to Carter, Rice & Company, Corporation, Boston. Means for cutting flat sheets of cardboard, paper, or other material into cards having beveled edges.	764,585	July 12	1410	(388) (389)	111	335
Healey, Patrick J., Hydepark, Mass. Machine for cleaning sewers.	775,677	Nov. 22	4366	(921) (922)	113	1039
Healey, Peter, Evansville, Ind. Stop and waste cock.	770,173	Sept. 13	1945	415	112	454
Healy, Clarence L., New York, N. Y. Printing-telegraph.	738,250	Apr. 26	4068	881	109	2268
Healy, Edgar O., Chicago, assignor of one-half to G. Van Schaick, Highland Park, Ill. Apparatus for producing scenic effects.	754,867	Mar. 15	3306	720	109	757
Healy, Ozias C., Mapleton, Minn. Staple-extractor.	751,792	Feb. 9	1864	425	108	1472
Healy, Philip J., East St. Louis, Ill. Folding box or crate.	768,123	Aug. 23	4086	860	111	2003
Healy, Robert. (See Livesey, James, assignor.)						
Healy, William P. (See Flora, Ellsworth E., assignor.)						
Hean, Peter D., and J. J. Egan, Media, Pa. Trolley-head.	758,445	Apr. 26	4467	(960) (961)	109	2358
Heany, John A., Philadelphia, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Fire and water proof insulating covering for metallic surfaces.	754,868	Mar. 15	3308	721	109	757
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Fuse-block.	758,646	May 3	78	16	110	22
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Electric safety-fuse or cut-out.	758,647	May 3	79	16	110	22
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Electric safety-fuse or cut-out.	758,648	May 3	80	16	110	22
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Electric safety-fuse or cut-out.	758,649	May 3	80	17	110	22
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Electric-arc lamp.	761,379	May 31	5598	1192	110	1312
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Electric-arc lighting.	761,380	May 31	5600	1192	110	1313
Heany, John A., York, Pa., assignor to Teter-Heany Developing Company, Charleston, W. Va. Insulated electric conductor.	775,274	Nov. 15	3485	736	113	837
Heap, David P. (See Robertson and Heap.)						
Heard, John D., New Holland, Ga. Plow attachment.	755,295	Mar. 22	4066	901	109	937
Heard, Thomas. (See Ingram and Heard.)						
Heard, William H., London, Canada. Spraying apparatus.	774,175	Nov. 8	1257	267	113	301
Hearin, James A. (See Harris and Hearin.)						
Hearnshaw, Charles, Chicago, Ill. Sash-lock.	775,602	Nov. 22	4208	886	113	1036
Heart, Charles, Alexandria, Ind. Wheel.	765,279	Nov. 19	2753	574	111	633
Hearttgen, John, Allentown, Pa. Speed-cone.	754,306	Mar. 8	2142	475	109	485
Hearttgen, Mary E., Allentown, Pa. Soap and brush holder.	754,306	Mar. 8	2141	474	109	485
Heaslet, H. B. (See Crocker, John C., assignor.)						
Heaslet, James G., assignor to himself and H. M. Hart, Philadelphia, Pa. Brake mechanism.	764,357	July 5	912	186	111	201
Heaslet, James G., assignor to himself and H. M. Hart, Philadelphia, Pa. Friction-clutch.	769,543	Sept. 6	792	171	112	179
Heath, Albert C., St. Paul, Minn. Surgical instrument.	770,368	Sept. 20	2333	496	112	567
Heath, Alfred R., Covington, Ind. Car-coupling.	762,306	June 14	1840	287	110	1751
Heath, Elroy N., assignor of one-half to J. F. Parker, Wakefield, Mass. Card-holding device.	758,882	Mar. 8	1333	300	109	308
Heath, Forrest A., Jersey City, N. J. Shoe-former.	753,488	Mar. 22	4425	981	109	1013
Heath, Forrest A., Jersey City, N. J., assignor of one-half to C. C. Guernsey, Nashville, Tenn. Non-refillable bottle.	773,011	Oct. 25	3612	781	112	1796
Heath, Frank E., New York, N. Y. Type-writer.	773,507	Nov. 1	69	13.14	113	21
Heath, Harry E., Windsor, Conn., assignor to General Electric Company. Electric heater.	771,908	Oct. 11	1378	313	112	1267
Heath, James W. (See Duquette and Heath.)						
Heath, Mark A., Providence, R. I. Tire-securing device.	759,488	May 10	1753	355	110	417
Heath, Thomas. (See Such and Heath.)						
Heath, William E., Baltimore, Md. Bottle-seal.	775,651	Nov. 22	4310	910	113	1028
Heath, William E., Baltimore, Md. Bottle-seal.	775,652	Nov. 22	4313	910	113	1028
Heath, William E., Baltimore, Md., assignor to Standard Bottle-Cap Corporation, Wilmington, Del. Sealing device.	756,232	Apr. 5	78	17	109	1359
Heath, William E., Baltimore, Md., assignor to Standard Bottle-Cap Corporation, Wilmington, Del. Sealing device.	756,233	Apr. 5	80	18	109	1360
Heath, William E., Baltimore, Md., assignor to Standard Bottle-Cap Corporation, Wilmington, Del. Milk-jar cap.	756,234	Apr. 5	80	18	109	1360
Heath, William E., Baltimore, Md., assignor to Standard Bottle-Cap Corporation, Wilmington, Del. Sealing-cap.	762,716	June 14	2192	477	110	1931

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Heath, William E., Baltimore, Md., assignor to Standard Bottle-Cap Corporation, Wilmington, Del. Bottle-seal	766,947	Aug. 9	1698	356	111	1439
Heather, Effie, administratrix. (See Heather, Parker D.)						
Heather, Parker D., deceased, Pontiac, Mich.; E. Heather, administratrix. Cot.	758,008	Apr. 19	3583	1775 1776	109	2144
Heaton, Arthur, Liversedge, England. Loom shuttle-box	768,900	Aug. 30	5680	1193 1194	111	2376
Heaton, Charles D., Vincennes, Ind. Friction-block for vehicle-tires	773,142	Oct. 25	4029	554	112	1895
Hebel, John W., Indianapolis, Ind. Spark arrester, extinguisher, and discharger	732,676	Feb. 23	3597	801	108	1892
Heaton, William, Woodley, near Stockport, England. Shoe-nailing machine	755,489	Mar. 22	4425	981	109	1014
Heavener, Daniel. (See Brewer and Heavener.)						
Hebb Coke Drawer Company. (See Hebb, John A., assignor.)						
Hebb, John A., assignor to Hebb Coke Drawer Company, Uniontown, Pa. Coke-draw- ing machine	749,058	Jan. 5	1024	216 217	108	236
Hebel, Jacob, Kansas City, Mo. Trace-carrier for harness	775,400	Nov. 22	3764	796	113	908
Heberer, Adam, Alameda, Cal. Adjustable wrench	753,489	Mar. 1	502	117	109	111
Heberer, Adam, Alameda, and H. A. Hyne, Belmont, Cal. Tubular steam-boiler	771,797	Oct. 4	1135	253 254	112	1201
Heberling, John, Rochester, N. Y. Vending-machine	777,414	Dec. 13	1860	410 411	113	1854
Hebert, Edward, Glens Falls, N. Y. Tip-holder for billiard-cues	761,832	June 7	443	90	110	1537
Hebert, Ubalde, Frankfort, N. Y. Curtain-stretcher	766,617	Aug. 2	981	206	111	1259
Hecathorn, Otha, West Sonora, Ohio. Car-coupling	765,178	July 19	2576	538 539	111	593
Hecht, Charles C. (See Wambsgans, Jacob, assignor.)						
Hecht, Walter E. (See Chandler, Eugene C., assignor.)						
Heck, Howard J., Reading, Pa. Dumping-wagon	778,487	Dec. 27	4039	880	113	2946
Heckart, William, Bradner, Ohio. Derrick	769,439	Sept. 6	586	128 129	112	183
Heckel, Wilhelmene A., Prescott, Wis. Dough-raiser	776,395	Nov. 29	5792	1317	113	1867
Heckenbach, John A., Chicago, Ill. Violin	761,480	May 31	5765	1230	110	1351
Hecker, Hugo A., Bellevue, Ky., assignor to F. M. Watkins Company, Cincinnati, Ohio. Ironing-machine	761,833	June 7	444	90, 91	110	1537
Hecker, Hugo A., Bellevue, Ky., assignor to Watkins Laundry Machinery Company, Cincinnati, Ohio. Ironing-machine	761,834	June 7	446	91	110	1538
Heckert, William, Findlay, assignor of one-half to H. W. Seney, Toledo, Ohio. Hot- water steamer and steam engine	764,808	July 12	1865	383 384	111	423
Hecking, Max, Dortmund, Germany. Drying apparatus	765,666	July 26	3547	749	111	817
Heckman, Charles W. (See Meredith, William E., assignor.)						
Heckman, Julius F., Hermann, Mo. Steam-boiler	773,389	Oct. 25	4548	961	112	2010
Hector, William, Chicago, Ill. Anchor	753,394	Mar. 1	322	73	109	72
Hedberg, Chancey C., Des Moines, Iowa. Valve device	755,000	Mar. 22	3546	777	109	826
Heddes, Willard S., Edger, Wis. Box-fastener	764,722	July 12	1700	348	111	387
Hedge, Frank E. (See Alber and Hedge.)						
Hedgeland, Frederick W., Chicago, Ill. Guard for the striking devices of piano-players	756,853	Apr. 12	1276	284	109	1632
Hedges, Samuel P., Greenport, N. Y. Brick-elevating attachment for trucks	774,074	Nov. 1	1073	230	113	242
Hedin, Eric. (See Read and Hedin.)						
Hedlund, John, St. Cloud, Minn. Type-writer	766,948	Aug. 9	1701	356	111	1499
Hedlund, John, St. Cloud, Minn. Type-writer	766,949	Aug. 9	1702	356	111	1440
Hedlund, John, St. Cloud, Minn. Fish-hook	768,451	Aug. 23	4739	994	111	2151
Hedlund, Per J., Stockholm, Sweden. Steam-turbine	754,447	Mar. 15	2488	541	109	579
Hedlund, Per J., Stockholm, Sweden. Steam-turbine	761,226	May 31	5288	1123	110	1244
Hedlund, Per J., Stockholm, Sweden. Steam-turbine	764,586	July 12	1413	259	111	325
Hedlund, Per J., Stockholm, Sweden. Steam-turbine	767,689	Aug. 16	3137	656	111	1772
Hédon, Paul C. M. J., Roubaix, France. Machine for washing plates, dishes, or the like	772,567	Oct. 18	2738	601 602	112	1588
Hedrick, Frank, Leroy, Ill. Fence-post	758,178	Apr. 26	3927	852	109	2238
Hedrick, Jesse E., Lanham, W. Va. Nut-lock	754,767	Mar. 15	3103	678	109	718
Hedstrom, Carl O., assignor to G. M. Hendee, Springfield, Mass. Grip-operated control- ling mechanism for motor-cycles	765,138	July 12	2499	522	111	559
Heelas, William A., New York, N. Y. Lamp-burner	777,630	Dec. 13	2296	504	113	1947
Heenan, James, assignor of one-half to T. S. Haymond, J. Prunty, and G. B. Coburn, Middleton, W. Va. Engine for mining-machines	758,533	Apr. 26	4640	999	109	2397
Heene, George W., Cleveland, Ohio. Blank	768,124	Aug. 23	4087	860	111	3003
Heep, Louis B., assignor of three-fifths to R. H. Vesey, R. M. Steinke, and F. D. Fowler, Denver, Colo. Lid-supporting device	773,497	Oct. 25	4788	1009	112	2059
Heeren, Habbo, Hameln, Germany, assignor of one-half to O. W. Degen, Fort Casey, Wash. Spectacles	771,067	Sept. 27	3712	783	112	888
Heermann, Herman H., Stanton county, Nebr. Safety-stirrup	751,394	Feb. 2	1145	250 251	108	1301
Heermans, Thaddeus W., Chicago, Ill. Electric motor	750,765	Jan. 26	4410	355	108	1027
Heeter, Charles M., Butler, Pa. Oil-well packer	754,138	Mar. 8	1823	406	109	418
Heeter, Charles M., Butler, Pa. Tool for making deep wells	769,080	Aug. 30	6032	1264	111	2453
Heeter, Charles M., Butler, Pa. Fishing-tool	769,140	Aug. 30	6156	1287	111	2481
Heffner, John H., and E. Z. Kidd, Thornton, Tex. Insect-destroyer and fumigator	771,306	Oct. 4	294	64	112	1024
Heffrin, Harry, assignor to T. H. Martin, trustee, Pittsburg, Pa. Hoisting apparatus for blast-furnaces	774,387	Nov. 8	1632	350	113	384
Heflin, Ellsworth, Redoak, Iowa. Animal-holder	773,738	Nov. 1	890	86	113	92
Heffty, Henry, St. Louis, Mo. Combination hat-case	760,537	May 24	3873	821	110	924
Hegbin, Marcellus, assignor to F. Voss, Chicago, Ill. Metallic stud or the like	749,862	Jan. 19	2664	569	108	629
Hegel, Gustavus A., et al. (See Ruth, David C., assignor.)						
Hegel, Menno S., et al. (See Ruth, David C., assignor.)						
Hegeler, Herman. (See Heinz and Hegeler.)						
Hegeler, Herman, and N. L. Heinz, Lasalle, Ill. Apparatus for making sulfuric acid	765,834	July 26	3895	830	111	887
Hegemann, Wilhelm, Frankfort-on-the-Main, Germany. Stove for heating smoothing- irons or the like	757,742	Apr. 19	3079	670 671	109	2032
Hegener, Rudolph, Chicago, Ill. Column	775,489	Nov. 22	3946	884	113	948
Hegstrum, John, Elcho, Wis. Saw-setting machine	764,126	July 5	427	83	111	93
Heidelbach, Seward, et al. (See Kaufman, Paul E., assignor.)						
Heidenstam, Werther A. G. von, Skövnik, Sweden. Apparatus for charring wood refuse or the like	777,415	Dec. 13	1864	411	113	1855
Heidt, Jesse C., Bagley Mills, Ga. Tide-water pump or food-pump	754,308	Mar. 8	2144	475	109	480
Heidtmann, George J., et al. (See Perry, William B., assignor.)						
Heidtmann, William, et al. (See Perry, William B., assignor.)						
Heike, Max, Melrose Park, Ill. Portable scaffold-chair	763,284	June 21	3291	710	110	2194

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Heikes, Judson K., St. Louis, Mo. Detergent compound	759,108	May 3	1016		110	230
Heil, Fred H. (See Kluge), Gudsav H., assignor.)						
Heil, John, Mount Oliver, Pa. Quick-acting monkey-wrench	751,851	Feb. 9	1993	452	108	1501
Heilbronner, Alexander, New York, N. Y. Automobile legging and boot.	769,606	Sept. 6	894	193	112	202
Heiles, Rudolph F., et al. (See Denny, Austin H., assignor.)						
Heiles, Rudolph F., et al. (See Eklundh, John G. G., assignor.)						
Heilig, Herschel M., Tecumseh, and M. H. Reed, Bluesprings, assignors to said Heilig and H. Scilley, Leavitt, Nebr. Beet-harvester.	757,190	Apr. 12	1954	427	109	1778
Heilig, Herschel M., Tecumseh, and M. H. Reed, Bluesprings, assignors to said Heilig and H. Scilley, Leavitt, Nebr. Beet-harvester.	757,425	Apr. 12	2425	528 529	109	1875
Heilmann, Carl A. (See Clausen and Heilmann.)						
Heilrath, Christian, Sacramento, Cal. Tooth-brush	766,247	Aug. 2	218	42	111	1089
Heilrath, Christian, and S. M. Taber, Sacramento, Cal. Check-hook	757,304	Apr. 12	2174	476	109	1823
Heim, Frank C., St. Louis, Mo. Smoke-consumer	759,711	May 10	2272	470	110	530
Heim, Josef, Offenbach, Germany. Platen printing-press	757,458	Apr. 19	2490	545 546	109	1904
Heim, Lewis R., Danbury, Conn. Picker-roll for hatting and fur-refining machinery	761,170	May 31	5182	1101	110	1222
Heiman, Julia H., Coldspring, Minn. Horseshoe	755,362	July 19	2330	612	111	670
Heimann, Ernst, Ander, Tex. Sash-holder	752,549	Feb. 16	3324	740	108	1816
Heimann, Hans. (See Francke, Carl, assignor.)						
Heimann, Morris A., St. Louis, Mo. Shoe-polisher	750,280	Jan. 26	3457	747	108	819
Heimann, Morris A., St. Louis, Mo. Squir-gun	750,853	Feb. 2	140	32	108	1088
Heimbecker, Roland B., Rochester, N. Y., assignor to Taylor Brothers Company. Bracket for holding and locking in place aneroid barometers or other like articles.	778,488	Dec. 27	4040	880	113	2346
Hein, Karl, Hanover, Germany. Geodetic instrument	761,481	May 31	5765	1230	110	1351
Heine, Frederick C. (See Williams and Heine.)						
Heine, Paul. (See Iske, Anthony and A., assignors.)						
Heineman, Harry A., St. Louis, Mo. Safety-pin	773,508	Nov. 1	71	14	113	21
Heineman, Joseph, New York, N. Y. Lustrous composition	774,423	Nov. 8	1699		113	398
Heinemann, Otto, Hornhausen, Germany. Grain-drilling machine	761,885	June 7	551	110	110	1563
Heinicke, Gustav, Crefeld, Germany. Car-coupling	771,244	Oct. 4	50	11, 12	112	972
Heinisch, Henry C., deceased; V. Heinisch, Irvington, N. J., administratrix. Shears	760,304	May 17	3351	681	110	764
Heinisch, Virginia, administratrix. (See Heinisch, Henry C.)						
Heintsh, Margaret M., Philadelphia, Pa. and J. T. Moriarty, New Bedford, Mass. Shoe-lacing						
Heinn Specialty Company. (See Wheeler, Robert P., assignor.)	751,729	Feb. 9	1743	395	108	1446
Heinrich, Charles E., Cincinnati, Ohio. Window-curtain fixture	763,486	June 23	3719	801	110	2308
Heinrich Ernmann Aktien-Gesellschaft für Camera-Fabrikation in Dresden. (See Richter, Max A., assignor.)						
Heinrichs, Joseph, New York, N. Y. Burner	766,618	Aug. 2	982	206	111	1260
Heinsfurter, J. (See Helfritz, Otto F., assignor.)						
Heinsfurter, J. (See Winter, Carl, assignor.)						
Heintz, Antoine, Herstal-lez-Liège, Belgium. Apparatus for regulating the circulation in installations for heating by steam	777,303	Dec. 13	1454	322	113	1765
Heintz, John A., Chenoa, Ill. Conveyor	752,338	Feb. 23	3501	875	108	1958
Heintze, Arno, Holyoke, Mass. Sausage-machine	770,578	Sept. 20	2740	581	112	652
Heinz, Nicholas, and H. Hegeler, Lasalle, Ill. Making sulfuric acid	752,677	Feb. 23	3598	802	108	1898
Heinz, Nicholas L. (See Hegeler and Heinz.)						
Heinze, Charles F., Clifford, N. D. Rotary engine	776,058	Nov. 29	5112	1082	113	1220
Heinze, John O., Jr., Lowell, Mass. Mechanical electric-current interrupter or circuit-breaker	766,248	Aug. 2	219	43	111	1089
Heise, Charles, assignor of forty-five one-hundredths to F. J. Beyer, Newark, N. J. Wheel-balancing device.	762,053	June 7	847	174	110	1620
Heiser, George H., Dayton, Ohio. Portable post-driver	768,853	Aug. 30	5587	1173 1174	111	2354
Heiss, Walter A., Morrison, Ill. Pad-skirt buckle for harness	773,034	Dec. 20	3126	888	113	2132
Heissenberger, John, New York, N. Y. Coin-operated apparatus	755,130	Mar. 22	3762	827	109	875
Heitger, Frank H., Bedford, Ind. Wheel	768,047	Aug. 23	3886	815	111	1954
Heizer, Edward L., C. H. Hensley, and G. P. Louiso, assignors to Hoosier Cheese Cutter Company, Anderson, Ind. Cheese-cutter	770,524	Sept. 20	2644	560	112	630
Helb, Edward, Railroad, Pa. Combining level and grade finder	764,809	July 12	1869	384	111	424
Held, Charles F., St. Louis, Mo. Punching-bag apparatus	775,653	Nov. 22	4316	911	113	1029
Hele-Shaw, Henry S., Liverpool, and R. B. Helliwell, Waterloo, England. Wheel for vehicles	755,131	Mar. 22	3765	827 828	109	875
Helfers, John G., Donnellson, Ill. Speed-governor	756,363	Apr. 5	354	72	109	1419
Helfrich, Michael D. (See Schmalzack, Robert, assignor.)						
Helfrich, Michael D., and F. W. Kingsbury, Evansville, Ind.; said Kingsbury assignor to said Helfrich. Water-closet bowl	771,068	Sept. 27	3718	783	112	883
Helfritz, Otto F., assignor of one-half to J. Heinsfurter, Chicago, Ill. Pipe-wrench	752,772	Feb. 23	3767	841 123	108	1930
Helgerson, Thomas O., assignor of two-thirds to J. Rosholt and C. A. Paulson, Minneapolis, Minn. Traveling thrasher	751,073	Feb. 2	532	124 125	108	1176
Helle, Warren W., and R. Brockman, Hinsdale, Ill. Compound tool	756,554	Apr. 12	1277	284	109	1632
Heller & Company, B. (See Martin, Frank A., assignor.)						
Heller, Cyrus, assignor of two-thirds to J. A. and J. L. Heller, Williamsport, Pa. Exhibitional index and display device	758,916	May 3	671	135	110	158
Heller, James A., et al. (See Heller, Cyrus, assignor.)						
Heller, John L., et al. (See Heller, Cyrus, assignor.)						
Helliwell, Robert B. (See Hele-Shaw and Helliwell.)						
Hellmann, Heinrich W., Berlin, Germany. Bunsen burner for incandescent gas-lamps with mantle hanging downward	749,381	Jan. 12	1704	351 362	108	406
Hellmund, Rudolf E., New York, N. Y. Means for extinguishing arcs	766,187	Aug. 2	64	11	111	1055
Hellmund, Rudolf E., New York, N. Y. Means for counteracting arcs	776,059	Nov. 29	5114	1082	113	1221
Helm, Frank, Traverse City, Mich. Machine for making pressed brick	761,886	June 7	552	110	110	1563
Helm, Frederick, New York, N. Y., assignor to Scheuer & Brother. Folding fan	760,453	May 24	3707	785	110	885
Helm, John, St. Louis, Mo. Trench-digger	757,459	Apr. 19	2494	547	109	1904
Helm, John, St. Louis, Mo. Excavating-machine	777,204	Dec. 13	1456	322	113	1765
Helm, Thomas A., Salt Lake City, Utah. Apparatus for treating ore	755,871	Mar. 29	5198	1149 1150	109	1204
Helmeke, Herman, St. Louis, Mo. Boat-propeller	776,971	Nov. 29	4956	1016 1024	113	1184
Helmick, Harry H., Chicago, Ill. Computing-machine. (Reissue)	12,296	Dec. 27	4683	1025 1026	113	2480
Helmold, Julius F., Chicago, Ill. Hand-press	748,947	Jan. 5	761	165	108	173

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Helmold, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Mechanism for locking the key-levers of type-writers or other machines	775,331	Nov. 22	3609	765	113	572
Heltzel, Jacob, New Oxford, Pa. Rail-tie	778,035	Dec. 20	3127	688	113	2133
Helwig, Christian D., Kansas City, Kans., and W. W. Montague, San Francisco, Cal.; said Montague assignor to said Helwig. Stove	749,059	Jan. 5	1026	217	108	237
Hemenway, Justin S., River Falls, Wis. Air-pump	756,630	Apr. 5	829	179	109	1518
Hemington, Edward J., Alliance, Ohio. Linoleum-cutting machine	769,051	Aug. 30	6033	1264	111	2453
Hemingway, Arthur B., assignor to Southern Stove Works, Richmond, Va. Burner-bowl and valve	774,842	Nov. 15	2563	551	113	606
Hemingway, Frederick B., Clinton, Iowa, assignor to Hemingway Furniture Co. Spring-bed-bottom	771,779	Oct. 4	1094	245 246	112	1193
Hemingway Furniture Co. (See Hemingway, Frederick B., assignor.)						
Hemmenway, Eugene S., Chelsea, Mass., assignor of one-half to L. G. Waldron, Auburn, N. Y. Refrigerator	772,937	Oct. 25	3473	752	112	1765
Hemphill, Albert B. (See Hemphill, John F., assignor.)						
Hemphill, Edward A. (See Nicholson and Hemphill.)						
Hemphill, John F., Arlington, Oreg., assignor of one-half to A. B. Hemphill, Broughton, Kans. Veterinary-surgeon's forceps	763,396	June 28	3550	764	110	2272
Henault, Joseph, Los Angeles, Cal. Cooking device	750,190	Jan. 19	3282	709	108	701
Henbest, Frank A. (See Wood and Henbest.)						
Hencke, Heinrich, Berlin, Germany. Drying apparatus	773,390	Oct. 25	4549	961 962	112	2010
Henckel, Gustave A., East Orange, N. J. Bottle-holder	764,587	July 12	1414	289	111	326
Hendee, George M. (See Hedstrom, Carl O., assignor.)						
Hendee, Orley J. (See Leland, Jefferson D., assignor.)						
Henderer, Edmond, Wilmington, Del. Pipe-vise	771,147	Sept. 27	3872	817	112	920
Henderson, Adelbert A., Wilkinsburg, Pa. Letter-sheet and envelop	769,136	Aug. 30	6148	1285	111	2479
Henderson, Arthur J. (See Wylie and Henderson.)						
Henderson, Arthur S., assignor of one-half to J. B. Malcomb, Loudon, Tenn. Bag-holding cabinet	755,001	Mar. 22	3547	778	109	826
Henderson, Charles L., Berlin, Canada. Wrench	776,060	Nov. 29	5116	1082	113	1221
Henderson, David, Waterbury, Conn. Wire-drawing appliance	768,602	Aug. 30	5076	1065	111	2242
Henderson, Edwin F., West Allis, Wis. Key-fastener	766,249	Aug. 2	223	49	111	1090
Henderson, Ewen C., assignor of three-fourths to J. Monroe, E. Carson, A. J. Craig, and J. S. Grant, Pittsburg, Pa. Machine for forming mechanical parts	752,451	Feb. 16	3148	701	108	1776
Henderson, Floyd W., assignor of one-twentieth to F. Theisen, Pittsburg, Pa. Urinal	749,382	Jan. 12	1708	362	108	407
Henderson, Frank E. (See Hammond and Henderson.)						
Henderson, Henry, Halstad, Minn. Ditching and grading machine	759,610	May 10	2086	426 427	110	488
Henderson, Henry A., Conway, N. H. Elevator	777,416	Dec. 13	1865	411 412	113	1855
Henderson, Henry A., Conway, N. H. Towel-rack	778,579	Dec. 27	4202	916	113	2381
Henderson, James C., assignor of one-half to W. J. Anderson and E. S. Burman, Melbourne, Victoria, Australia. Apparatus for operating the presser-plates of cheese or other presses	770,720	Sept. 30	3013	640	112	711
Henderson, James T., New York, N. Y. Hat-rectangle for auditoriums	757,305	Apr. 12	2176	477	109	1824
Henderson, John J., Cordaville, Mass. Carding-machine	759,439	May 10	1755	355	110	417
Henderson, Leona, Palestine, Tex. Copy-holder	749,383	Jan. 12	1708	362	108	408
Henderson, Ovid L., McHenry, Miss. Mosquito-canopy	775,972	Nov. 29	4959	1046	113	1185
Henderson, Robert H., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Switch for arc-lamp circuits	777,631	Dec. 13	2297	505	113	1947
Henderson, Thomas M., Portsmouth, Va., assignor of two-thirds to C. P. Storrs, Wilmington, Del., and R. R. Hicks, Norfolk, Va. Lubricator for air-brake pumps	748,731	Jan. 5	331	74	108	73
Henderson, William A., Detroit, Mich. Caster-wheel	774,424	Nov. 8	1700	363	113	398
Henderson, William G., et al. (See Robertson, William H., assignor.)						
Hendry, Arthur, Jerome, Ariz. Ter. Fire	758,209	Apr. 26	3983	864	109	2250
Hendler, John, Kansas City, Mo. Acetylene-gas-generating apparatus	778,550	Dec. 27	4204	917	113	2381
Hendricks, Albert W., Pittsburg, Pa. Electric arc-lamp	778,489	Dec. 27	4041	880	113	2346
Hendricks, Benjamin K., Camppoint, Ill. Support for vehicle-tops	759,104	May 3	1017	207	110	230
Hendricks, Clark, assignor to J. Jahn, Jr., Riverside, Cal. Rotary engine	764,464	July 5	1132	231	111	259
Hendricks, Clark, assignor to J. Jahn, Jr., Riverside, Cal. Rotary engine	764,465	July 5	1136	231	111	251
Hendricks, Clark, assignor to J. Jahn, Jr., Riverside, Cal. Rotary engine	769,082	Aug. 30	6084	1294	111	2454
Hendricks, John C., Galesburg, Ill. Straw-stacker	758,136	Apr. 26	3849	835 836	109	2221
Hendricks, K. J. (See Shrum, Peter J., assignor.)						
Hendricks, Kearney J. (See Shrum and Hendricks.)						
Hendricks Manufacturing Company et al. (See Woltz and Suman, assignors.)						
Hendricks, Omer S., assignor of one-half to C. H. Wightman, Franklin, Ind. Farm-gate	765,280	July 19	2755	574 575	111	633
Hendrickson, John H., Cleveland, Ohio. Machine for forming hollow building-blocks	762,054	June 7	848	174	110	1620
Hendrickson, Forest P., Scranton, Pa. Broiler	769,745	Sept. 13	1159	249	112	280
Hendrickson, James G., assignor of one-half to A. C. Forman, Bayonne, N. J. Vending-machine	756,788	Apr. 5	1143	223	109	1588
Hendrickson, James G., Bayonne, N. J., and E. J. Allen, Rockville Center, N. Y., assignors, by mesne assignments, to New York Labelling Machine Company. Labeling-machine	765,971	July 26	4143	885 886	111	943
Hendrickson, Joseph G., assignor to Marsden Company, Philadelphia, Pa. Journal-packing	764,890	July 12	2092	430	111	461
Hendrickson, Peter H., Skibo, Minn. Rotary engine	771,245	Oct. 4	51	12, 13	112	972
Hendry, William F. (See Muschenheim and Hendry.)						
Hendryx, Andrew B., New Haven, Conn. Cage-trap	749,790	Jan. 19	2359	540	108	603
Hendryx, Fanny G., Springfield, Ohio. Spool attachment	775,219	Nov. 15	3351	714	113	788
Henerlau, Otto L., Newark, N. J. Button	778,241	Dec. 27	3517	774	113	2235
Henion, William E., Marion, N. Y. Device for heating tires	768,226	Aug. 23	4285	901	111	2045
Henius, Max W., New York, N. Y. Garment-fastener	776,741	Dec. 6	558	122	113	1550
Henkel, Jewett A., Bedford City, Va. Cleaning millstones	755,132	Dec. 27	3767	828	109	876
Henker, Max M. (See Leopold and Henker.)						
Henley, Burreal A., Cave City, Ark. Cotton-chopper	774,041	Nov. 15	2763	592	113	652
Henley, Micajah C., Richmond, Ind. Coliseum-chair	755,133	Sept. 22	3767	829	109	876
Henn, Edwin C., assignor to National Acme Manufacturing Company, Cleveland, Ohio. Screw-making machine	769,159	Mar. 6	40	10	112	11
Henn, Jacob B. (See Henn, William A. and J. B.)						
Henn, William A. and J. B., assignors to Sanitary Manufacturing Company, Hamilton, Ohio. Flush-tank	762,405	June 14	1530	385 386	110	1789

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Hennebühle, Frank, Chicago, Ill. Balanced hydraulic valve.....	763,889	June 28	4484	977 978	110	2472
Henneman, Arthur. (See Stewart, William J., assignor.)						
Hennepin County Barrel Co. (See Flanery and Whitehill, assignors.)						
Hennessey, James W. (See Alexander, Jesse, assignor.)						
Hennessey, John J., et al. (See Moore, Peter N., assignor.)						
Hennessey, John J., Milwaukee, Wis. Railway-car frame and bolster.....	778,364	Dec. 27	3787	836 827	113	2392
Hennessey, Tobias, Leominster, Mass. Mouthpiece for wind instruments.....	768,603	Aug. 30	5077	1066	111	2242
Hennessey, George J., London, England, assignor to C. H. Paine, Boston, Mass. Walk- ing-stick.....	768,452	Aug. 23	4740	994	111	2152
Hennig, Oscar, assignor of one-half to K. Scheller, St. Louis, Mo. Hair-pin.....	772,881	Oct. 18	3946	729	112	1720
Henning, Abel, assignor to Dewey Navigation and Trading Company, San Francisco, Cal. Gas-meter diaphragm.....	770,369	Sept. 20	2354	496	112	567
Henrichsen, Henry E. (See Barton, Heinrichsen, Cousins, and Matthews.)						
Henrici, William A. E., Boston, Mass. Rotary engine.....	772,882	Oct. 18	3347	729 730	112	1720
Henricks Novelty Company. (See Daily, Irvin J., assignor.)						
Henrickson, Fred D., Amboy, Wash. Fruit-gatherer.....	773,391	Oct. 25	4553	962	112	2011
Henriksen, Gustav T. E., Milwaukee, Wis. Safety-grating.....	763,890	June 28	4486	975	110	2473
Henriod-Schweizer, Fritz, Marin, Switzerland. Explosion-motor.....	775,120	Nov. 15	3127	663	113	738
Henry, Bush, Eden, Tex. Wire-tightener.....	776,512	Dec. 6	72	18	113	1440
Henry, Charles, San Francisco, Cal. Puzzle.....	777,205	Dec. 13	1458	923	113	1766
Henry, David C., assignor to Henry Electric Equipment Company, Denver, Colo. Sys- tem of electric train-lighting.....	752,839	Feb. 23	3903	875 876	108	1959
Henry, David F., Jr., Port Murry, N. J. Apparatus for drying tile.....	751,852	Feb. 9	1994	452	108	1501
Henry, David F., Jr., Port Murry, N. J. Continuous kiln.....	764,723	July 12	1701	348	111	387
Henry, David F., Jr., Port Murry, N. J. Tile-turning apparatus.....	764,724	July 12	1704	349	111	388
Henry Diston & Sons. (See Smith, William, assignor.)						
Henry, Edward G., assignor of one-half to W. T. Henry, Carrollton, Ga. Plow.....	751,642	Feb. 9	1586	361	108	1414
Henry Electric Equipment Company. (See Henry, David C., assignor.)						
Henry, Eli Ray. (See Crosby and Henry.)						
Henry, Frank B., Philadelphia, Pa. Building-block.....	748,603	Jan. 5	86	23	108	21
Henry, Frank B., Philadelphia, Pa. Building or paving blocks.....	752,070	Feb. 16	2417	539 540	108	1613
Henry Huber Company. (See Beaumont, Thomas C., assignor.)						
Henry Huber Company. (See Hinsdale, Winfield E., assignor.)						
Henry, James M. (See Miller, John S., assignor.)						
Henry, John, Grand Forks, N. D. Pneumatic stacker.....	754,448	Mar. 15	2489	542	109	579
Henry, John S., Stonington, Conn. Tool-holder for lathes.....	764,466	July 5	1139	231	111	252
Henry R. Worthington. (See Brown, William C., assignor.)						
Henry R. Worthington. (See Ray, Frederick, assignor.)						
Henry, Robert P., Winston Salem, N. C. Water-supply system.....	777,632	Dec. 13	2999	505	113	1947
Henry, Samuel J., Princeton, Iowa. Artificial limb.....	776,908	Dec. 6	893	192 193	113	1624
Henry, Thomas L. (See Millard and Henry.)						
Henry, William K., assignor to P. & F. Corbin, New Britain, Conn. Hinge.....	774,878	Nov. 15	2635	566	113	623
Henry, William P., Central City, Ky. Pivotal running-gear.....	756,497	Apr. 5	607	131	109	1470
Henschen, Harry C. (See Shute and Henschen.)						
Henshaw, Arthur W. (See Reist and Henshaw.)						
Henshaw, Arthur W., Schenectady, N. Y., assignor to General Electric Company. Alter- nating-current motor.....	771,246	Oct. 4	55	13	112	973
Hensley, Charles G., New York, N. Y., assignor to J. A. Brill, Philadelphia, Pa. Curtain attachment.....	774,942	Nov. 15	2764	592 929 930 931 932 933	113	653
Hensley, Charles S., assignor to himself, C. L. Airhart, J. A. Akers, J. W. Hymer, G. W. Irwin, F. H. Bowen, I. E. Weddle, Roachdale, and E. Grantham, Greencastle, Ind. Wire-fence machine.....	773,321	Oct. 25	4394	933	112	1974
Hensley, Charley H. (See Heizer, Hensley, and Louiso.)						
Hensley, John, Huntington, Ind. Trolley-harp.....	771,472	Oct. 4	492	111	112	1063
Henson, John S., Zanesfield, Ohio. Car-coupling.....	756,855	Apr. 12	1278	294 235	109	1032
Hentgen, Theodor, New York, N. Y. Bottle-stopper.....	749,060	Jan. 5	1027	217	108	267
Hentgen, Theodor, New York, N. Y. Key-ring.....	751,643	Feb. 9	1588	361	108	1414
Hentgen, Theodor, New York, N. Y. Carbonated-liquid-dispensing apparatus.....	754,216	Mar. 8	1977	439	109	451
Henthorn, Isaac P. (See Shellhammer, Henthorn, and Hill.)						
Hentschel, Carl F. A., Stettin, Germany. Retort-ld.....	763,752	June 28	4221	920	110	2417
Hentschel, Max P., Leisnig, Germany. Apparatus for generating steam for medicinal purposes.....	774,075	Nov. 1	1076	290	113	248
Hentschel, William, Chicago, Ill. Furnace.....	766,347	Aug. 2	417	88	111	1132
Hervis, Joseph C., Philadelphia, Pa. Ventilator.....	763,977	July 5	99	16	111	30
Henzi, Walter, Salt Lake City, Utah. Tuning-head for musical instruments.....	778,129	Dec. 20	3316	921 922	113	2173
Hepburn, Lewis L., assignor to Marlin Firearms Company, New Haven, Conn. Maga- zine-firearm.....	776,243	Nov. 29	5481	1160 1161	113	1305
Hepburn, Lewis L., assignor to Marlin Firearms Company, New Haven, Conn. Safety device for repeating firearms.....	776,322	Nov. 29	5601	1187	113	1331
Hepburn, Melvin, assignor to Marlin Firearms Company, New Haven, Conn. Take-down gun.....	755,660	Mar. 29	4751	1058	109	1100
Hepler, Harry, assignor of one-half to O. M. Ditsworth, Lanark, Ill. Profit-sharing sales- counter.....	774,322	Nov. 8	1525	326 327	113	360
Hepler, A. N., et al. (See White, Walter S., assignor.)						
Hepler, Fay F., assignor of two-thirds to J. N. Britten and R. R. Snowden, Crescent City, Cal. Drilling-machine.....	771,205	Sept. 27	3981	842	112	942
Hepp, Daniel, Chicago, Ill. Boring-machine.....	761,171	May 31	5189	1101 1102	110	1222
Hepp, Daniel, Chicago, Ill. Tool-holder.....	763,605	June 28	3926	854	110	2352
Hepp, Eduard, Frankfurt-on-the-Main, and E. Wolpert, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Making anthraquinone dyes.....	754,768	Mar. 15	3104	-----	109	713
Hepp, Eduard, Frankfurt-on-the-Main, and R. Uhlenhuth, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Anthraquinone dye and making same.....	778,086	Dec. 20	3128	-----	113	2133
Heppe & Son, C. J. (See Brashears, William J., assignor.)						
Hequembourg, Charles E., Chautauqua, N. Y. Wheel.....	764,891	July 12	2033	420 421	111	461

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Heraeus, Firm of W. C. (See Kuch, Richard, assignor.)						
Herbein, George W., San Francisco, Cal. Artificial fuel and making same	778,781	Dec. 27	4566		113	2463
Herbert, Charles, Philadelphia, Pa. Book stand or support	756,631	Apr. 5	832	180	109	1518
Herbst, Charles H., et al. (See Cooper, Charles B., assignor.)						
Herbert, Frank. (See Earl, Spencer D., assignor.)						
Herbert, George, Jr., Glasgow, Scotland. Apparatus for cleaning dried fruits	749,931	Jan. 19	2810	600	108	603
Herbert, Peter, North Sydney, New South Wales, Australia. Undercarriage for tram or railway cars or wagons						
Herbine, Charles W., and H. Rech, Reading, Pa. Machine for dyeing	766,348	Aug. 2	418	88	111	1132
Herbst, Anna, administratrix. (See Herbst, Anton.)	760,118	May 17	3079	644	110	728
Herbst, Anton, deceased, New York; A. Herbst, administratrix, assignor of one-half to K. Eckert, Brooklyn, N. Y. Bowling-alley						
Herbst, Carl W. (See Orlmann and Herbst.)	757,922	Apr. 19	3414	739	109	2107
Herbsttritt, Hermann. (See Andriano and Herbsttritt.)						
Herbsttritt, Hermann. (See Andriano and Herbsttritt.) (Reissue.)						
Herder, Herman, Philadelphia, Pa. Safety-razor	778,540	Dec. 27	4118	897	113	2364
Herder, Philip, Jr., Cleveland, Ohio. Step-ladder	757,616	Apr. 19	2385	619	109	1973
Herdle, Frederick J., Chicago, Ill. Printing-press	757,460	Apr. 19	2496	548 547 549 550	109	1905
Herdle, Frederick J., Chicago, Ill. Means for securing impression-surfaces to printing-rollers	757,461	Apr. 19	2504	550	109	1906
Herdle, Frederick J., Chicago, Ill. Printing-press	762,633	June 14	2011	435 436 437	110	1894
Herdrich, William F., assignor of one-half to E. G. Hetu, Chicago, Ill. Automatic steam-cooker	771,013	Sept. 27	3394	738 739	112	861
Heritage, Alfred R., Graham, N. C. Loom-shuttle	759,440	May 10	1756	355	110	417
Heritage, Jesse C., Minneapolis, Minn. Landing-net	752,550	Feb. 16	3326	740 741	108	1816
Herkner, Paul E. (See Kubierschky and Herkner.)						
Herman, Charles. (See Gedeon and Prosser, assignors.)						
Herman, Charles, Institute, Wis. Attachment for mowing-machines	756,114	Mar. 29	5062	1249	109	1304
Herman, Charles W., assignor of one-half to A. T. Bowman, Canton, Ohio. Gage-table and conveyor						
Herman, Frederick. (See Whitney, Frank L., assignor.)						
Herman, John, Bisbee, Ariz. Ter. Utilizing waste furnace-gases and simultaneously reducing ores	769,263	Sept. 6	245	57	112	53
Herman, Reinhold, Crafton, Pa. Piston-cylinder						
Herman, Reinhold, Crafton, Pa. Spectacle-frame for signals	770,462	Sept. 20	2508	333	112	600
Herman, Reinhold, Crafton, Pa. Printing apparatus	777,096	Dec. 13	1294	278	113	1724
Herman, Reinhold, Crafton, Pa. Blue-printing machine	777,097	Dec. 13	1268	279	113	1726
Herman, Reinhold, Crafton, Pa. Signaling mechanism	778,037	Dec. 20	3190	688	113	2133
Hernance, Louis M., Poughkeepsie, N. Y. Fishing-reel	756,364	Apr. 5	356	72, 73	109	1420
Hernance Machine Company. (See Marsh, Calvin D., assignor.)						
Hermann, Emil, Highland, Ill. Gaged granulator	765,281	July 19	2756	575	111	633
Hermann, Isaac A., assignor to G. M. Potter, Cleveland, Ohio. Liner for vise-jaws	758,438	May 3	513	104	110	123
Hermann, Samuel, Cincinnati, Ohio. Dress-hanger	756,250	Aug. 2	225	44	111	1090
Hermann, Samuel, Cincinnati, Ohio. Collapsible steroscope	774,245	Nov. 8	1378	294	113	328
Hernndon, Beverly P., Florence, Ariz. Ter. Prospector's pan	760,691	May 24	4194	891	110	992
Herndon, Joseph R., Marshall, Tex., assignor of one-half to E. S. Marshall, St. Louis, Mo. Freight-car door						
Herndon, Quintus. (See Blue and Herndon.)	768,799	Aug. 30	5462	1150	111	2327
Herold, Michael A., Milwaukee, Wis. Condenser	769,379	Sept. 6	483	107 108	112	110
Heron, Christopher, Galena, Ill. Wrench	756,196	Mar. 29	5783	1277	109	1329
Heron, James T., and J. J. Crowley, New Bedford, Mass. Car-fender	755,372	Mar. 29	5199	1150	109	1204
Herr, Edwin M. (See Westinghouse and Herr.)						
Herr, Edwin M., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake	752,071	Feb. 16	2419	540 541	108	1614
Herr, John, Marion, Ohio. Railway-tie	776,306	Nov. 29	5753	1218	113	1967
Herreshoff, John B. F., Brooklyn, N. Y. Velocity-regulator for fluids in motion	757,039	Apr. 12	1665	360	109	1713
Herrick, Alexis W., assignor of one-half to W. W. Clark, Buffalo, N. Y. Traction attachment for vehicles						
Herrick, C. R. (See Hizer, William, assignor.)	774,246	Nov. 8	1380	294	113	328
Herrick, George I., Wheaton, Ill. Protractor-tape	756,633	Apr. 5	833	180	109	1518
Herrick, George I., Wheaton, Ill. Surveyor's pin	756,633	Apr. 5	834	180	109	1519
Herrick, George I., Wheaton, Ill. Tape-holder	756,634	Apr. 5	835	180	109	1519
Herrick, George I., Wheaton, Ill. Bread-cutter	765,425	July 19	3047	638	111	695
Herrick, George I., Wheaton, Ill. Compass	765,426	July 19	3049	638	111	696
Herrick, George I., Wheaton, Ill. Flag case and pole	765,427	July 19	3051	640	111	696
Herrick, George I., Wheaton, Ill. Protractor-tape	776,179	Nov. 29	5346	1130	113	1274
Herrick, George I., Wheaton, Ill. Plate for making stencil-sheets	776,180	Nov. 29	5348	1131	113	1275
Herrick, James A., Philadelphia, Pa. Gas-producer	773,143	Oct. 25	4080	854	112	1805
Herrick, Lemuel D. (See Guenheim, Capiton, Herrick, and Jacobs.)						
Herrick, Seltzer J., assignor of one-half to C. G. Winkley, Seattle, Wash. Folding bed	766,349	Aug. 2	492	88, 89	111	1133
Herrick, Stephen S., assignor to Vulcan Iron Works, San Francisco, Cal. Valve	762,406	June 14	1532	336	110	1790
Herrick, William W., et al. (See Emerson, Estelon E., assignor.)						
Herriff, Jonas H., Erie, Kans. Stove	762,407	June 14	1533	336	110	1790
Herriff, Jonas H., Erie, Kans. Hydrocarbon-burner	762,408	June 14	1534	337	110	1790
Herrin, W. T. (See Henry, Edward G., assignor.)						
Herring, Ernest C., Reno, Nev. Garment-supporting hook-pin	750,032	Jan. 19	2999	643	108	702
Herriot, John S., Liverpool, England. Air-compressor	765,923	July 26	4050	866	111	922
Herrriott, John E., assignor of one-half to A. G. Lauthers, Kansas City, Kans. Coffee-roaster						
Herrmann, Carl B., Berlin, Germany. Producing stereotype-plates for printing purposes	757,743	Apr. 19	3080	671	109	2033
Herrmann, Emil, Downers Grove, Ill. Binder	766,037	July 26	4274	916	111	934
Herron, Howard H., Jr., Troy, Tex. Agricultural implement	755,092	Mar. 22	3550	778	109	827
Herron, Al H., St. Louis, Mo. Vapor-burner	775,770	Nov. 23	4532	962	113	1076
Herron, James A., Eskridge, Kans. Lister attachment	768,125	Aug. 23	4087	860	111	2003
Herron, Lawrence E., Wilkinsburg, assignor of one-fourth to S. V. Reeves, Pittsburg, Pa. Track-driving device	754,449	Mar. 15	2490	542	109	579
Herron, Michael, Bordentown, N. J. Chute for dredging-machines	773,498	Oct. 25	4090	1010	112	2060
Hersey Manufacturing Company. (See Tilden, James A., assignor.)						
Hershey, William B. C., Columbus, Ohio. Vehicle-body corner	771,069	Sept. 27	3715	783	112	884
	775,449	Nov. 22	3863	818	113	930

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Herskovitz, Abraham. (See Herskovitz, Max and A.)						
Herskovitz, Max, Chicago, Ill. Support for incandescent mantles	767,407	Aug. 16	2577	543	111	1647
Herskovitz, Max and A., Chicago, Ill. Bunsen burner	752,773	Feb. 23	3769	841	108	1930
Hertford, Edward K., Washington, Ind. assignor to Automatic Monitor Company, Toledo, Ohio. Telephone call-register and time-indicator	771,548	Oct. 4	657	146	112	1099
Hertje, Abraham, Tonkawa, Okla. Ter. Binder-cover	753,071	Feb. 23	4387	976	108	2070
Hertner, John H. (See Cookingham, De Witt C., assignor.)						
Hertzler, Daniel E., and C. F. Smith, Burlington, Iowa. Device for measuring the foot for boots or shoes	770,065	Sept. 13	1750	370	112	412
Hertzler, Jacob E., et al. (See Walker, George B., assignor.)						
Hertzler, John. (See Pendergast, Thomas, assignor.)						
Herz, Adolf, Vienna, Austria-Hungary. Portable bath or sack for washing or bathing purposes	754,217	Mar. 8	1979	440	109	452
Herz, Ludwig, Feucht, near Nuremberg, Germany. Spring-tire	765,835	July 26	3896	830	111	887
Herz, Maximilian, Berlin, Germany. Apparatus for developing, washing, and fixing photographic films	751,644	Feb. 9	1590	362	108	1415
Herzberg, Wilhelm, and O. Siebert, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Red lake	770,430	Sept. 20	2457		112	588
Herzog Art Furniture Co. (See Herzog, John, assignor.)						
Herzog, Felix B., New York, N. Y. Electric signaling apparatus	749,191	Jan. 12	1299	280	108	318
Herzog, John, Saginaw, Mich. Table	751,285	Feb. 2	957	217	108	1260
Herzog, John, assignor to Herzog Art Furniture Co., Saginaw, Mich. Table	766,695	Aug. 2	1145	238	111	1295
Heser, John J., Jackson, Minn. Corn-planter	777,206	Dec. 13	1459	323	113	1766
Hess, Abram, Lebanon, Pa. Machine for moistening and sealing envelopes	756,635	Apr. 5	836	181	109	1519
Hess, Abram, Lebanon, Pa. Machine for opening envelopes	758,315	Apr. 26	4218	907	109	2303
Hess, Albert, London, England, assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Machine for collating or gathering leaves or sections of books	775,920	Nov. 29	4826	1023	113	1154
Hess, Alexander W., and A. S. Williams, San Jose, Cal. Oil-burner	751,395	Feb. 2	1147	261	108	1301
Hess, Andrew, and J. P. Thines, Conway, Ark. Bale-tie	771,867	Oct. 2	826	65	112	1024
Hess, Charles H., assignor to Kears-Gorsuch Bottle Co., Zanesville, Ohio. Jar-closure	772,038	Oct. 11	1637	371	112	1328
Hess, Emil G., Buffalo, N. Y. Ornamental stand	774,753	Nov. 15	2377	513	113	566
Hess, Gottlieb J., Lincoln, Nebr. Hot-water stove	761,482	May 31	5766	1230 1231	110	1352
Hess, Henry. (See Middaugh, James, assignor.)						
Hess, Henry K., Philadelphia, Pa. Steam-propelled vehicle	757,808	Apr. 19	3301	695 696	109	2061
Hess, Herman, assignor to J. A. Kurtz, Indianapolis, Ind. Magneto-generator	770,579	Sept. 20	2743	581	112	653
Hess, Hugo G. (See Baker, William J., assignor.)						
Hess, Hugo G., Cincinnati, Ohio. Christmas-tree candle-holder	757,869	Apr. 19	3309	717	109	2083
Hess, Hugo G., Cincinnati, Ohio. Christmas-tree candle-holder	778,581	Dec. 27	4306	917	113	2382
Hess, Michael. (See Plummer and Hess.)						
Hesse, Charles, Redbluff, Cal. Harvester	763,891	June 28	4488	978	110	2473
Hesse, Frank K., assignor to A. M. Shurtleff, Boston, Mass. Handpiece for dental engines	776,466	Nov. 29	5888	1244	113	1399
Hesse, Jules E., and M. Paraf-Javal, Paris, assignors to J. Diederichs, Lyons, France. Transferring and printing	748,604	Jan. 5	87		108	21
Hesse, Paul, Pawtucket, assignor of two-fifths to Frank Wood Manufacturing Company, Cumberland, R. I. Tape-winder for tape-loom	774,323	Nov. 8	1529	327	113	361
Hesselman, Bror O. W. (See Berglund and Hesselman.)						
Hesser, Frederick. (See Reagan, Dominick A., assignor.)						
Hessler, George W., Scranton, Pa. Toilet-chair	752,551	Feb. 16	3328	741	108	1817
Hetherington, Frederick A., Indianapolis, Ind. Mixer	770,855	Sept. 27	3291	694 694	112	791
Hetherington, Frederick A., Indianapolis, Ind. Combined feeder and discharge for driers	770,856	Sept. 27	3292	695	112	791
Hett, John E., Berlin, Canada. Time-controlling mechanism for phonographs	756,017	Mar. 29	5433	1209	109	1265
Hettel, Anton, assignor of one-half to N. C. Schied, Rochester, N. Y. Traveling rocking-horse	775,725	Nov. 22	4451	942	113	1058
Hettinger, Carl A., Boston, Mass. Cooling-tower	753,573	Mar. 1	688	154	109	151
Hettinger, Carl F., Boston, Mass. Combined brewing-kettle, hop-jack tank, and cooker	763,606	June 28	3928	854 855	110	2353
Hettinger, Carl F., Boston, Mass. Separator and cleaner	765,836	July 26	3897	830	111	887
Hettinger, Henry C., Chicago, Ill. Sash-fastener	768,177	Aug. 23	4182	879	111	2022
Hettinger, Fritz G., Collegepoint, N. Y. Loom for weaving double-faced silk ribbons	761,433	May 31	5768	1231	110	1352
Hetu, Elzeard G. (See Herdrich, William F., assignor.)						
Hetzl, Frederic V., assignor to Link Belt Engineering Company, Philadelphia, Pa. Bucket elevator and conveyor	751,396	Feb. 2	1149	262	108	1302
Hetzl, Frederic V., assignor to Link Belt Engineering Company, Philadelphia, Pa. Car	761,484	May 31	5769	1232	110	1352
Heubach, Emil, Edison Park, Ill. Map	754,540	Nov. 15	2492	542	109	580
Heubach, Emil, Edison Park, Ill. Map-index	775,401	Nov. 22	3765	796	113	908
Heuer, Enrique. (See Gama, Manuel C., assignor.)						
Heulings, William H., Jr. (See Brill and Heulings.)						
Hewer, Charles H., Cricklade, England. Mowing-machine	769,607	Sept. 6	895	193	112	203
Hewes, James A., et al. (See Johnson, William H., assignor.)						
Hewitt, Arthur G., assignor to M. E. McDonald, Scranton, Pa. Cylinder-drainer	776,061	Nov. 29	5117	1083	113	1221
Hewitt, Elisha. (See Nettleton, George E., assignor.)						
Hewitt, Edward G., New York, N. Y. Sun-dial	770,580	Sept. 20	2744	582	112	653
Hewitt, Edward R., Garden City, N. Y. Clarifying liquors	748,863	Jan. 5	591		108	133
Hewitt, Edward R., Garden City, N. Y. Making glue from hides	748,866	Jan. 5	593		108	133
Hewitt, Frank L. (See Carney and Hewitt.)						
Hewitt, Franklin B., Fort Myers, Fla. Freight-handling apparatus	774,520	Nov. 8	1866	409	113	437
Hewitt, Harry B. (See Renie, William C., assignor.)						
Hewitt, John, Chicago, Ill. Oil-burner	766,251	Aug. 2	225	44	111	1090
Hewitt, James E., Newark, N. J. Car-axle bearing	777,507	Dec. 13	2089	449	113	1893
Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Means for reproducing electrical variations	749,791	Jan. 19	2540	540	108	603
Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Reproducing electrical variations	749,792	Jan. 19	2541	540	108	603
Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Regulator for gas or vapor electric apparatus	749,793	Jan. 19	2542	541	108	604
Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Electrode for vapor electric apparatus	758,650	May 3	81	17	110	22
Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Means for protecting vapor electric apparatus	760,119	May 17	3080	644	110	725

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Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Vapor-electric-lamp manufacture	760,789	May 24	4400	935	110	1036
Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Starting device for vapor electric apparatus	767,408	Aug. 16	2578	544	111	1647
Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Gas or vapor electric lamp	770,232	Sept. 13	2065	434	112	480
Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Gas or vapor electric apparatus	770,233	Sept. 13	2066	434	112	480
Hewitt, William J., Del Monte, Cal. Muffler	771,070	Sept. 27	3716	784	112	884
Hewlett, Alfred M., Kewanee, Ill. Pipe-hanger	769,746	Sept. 13	1160	250	112	280
Hewlett, Edward M., Schenectady, N. Y. Telescopic sight	753,574	Mar. 1	689	154 155	109	151
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Means for controlling electric boosters	750,972	Feb. 2	358	87	108	1137
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Automatic circuit-breaker	752,532	Feb. 16	3329	741	108	1517
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Electric switch or circuit-breaker	755,771	Mar. 29	5001	1113	109	1157
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Switch	755,772	Mar. 29	5006	1113	109	1158
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Controlling electric boosters	756,167	Mar. 29	5738	1268	109	1320
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Rotary converter system	756,960	Apr. 12	1485	327	109	1674
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Circuit-breaker	768,941	Aug. 30	5764	1211	111	2396
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Time-limit circuit-breaker	770,007	Sept. 13	1690	353	112	393
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Means for protecting electric conductors	771,307	Oct. 4	169	37	112	997
Hey, George W., Syracuse, N. Y. Postmarking and stamp-canceling machine	774,247	Nov. 8	1381	295 296	113	329
Hey, John P., Cascilla, Miss. Colter	776,135	Nov. 29	5260	1112	113	1255
Heyde, Julius, Zurich, Switzerland. Speed-indicator	771,980	Oct. 11	1532	344	112	1300
Heyde, Philip, Jackson, and J. B. Mitchell, St. Louis, Mo. Treating food products	765,972	July 26	4147	886	111	944
Heydebrand und der Lassa, Ferdinand C. von. (See Le Mon and Heydebrand und der Lassa.)						
Heydrick, William H. H., Philadelphia, Pa. Lawn-mower	762,168	June 7	1052	221	110	1667
Heyer, Charles A., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Registering device for printing-beams	751,286	Feb. 2	959	218	108	1260
Heyl, Dia, George E., Warrington, and A. Musker, Liverpool, England. Metal-extrusion apparatus	763,559	June 28	3832	834 835	110	2338
Heyl, Friedrich, New York, N. Y. Belt	753,072	Feb. 23	4389	976	108	2070
Heyl & Patterson. (See Acklin, Alfred M., assignor.)						
Heyl & Patterson. (See Patterson, William J., assignor.)						
Heyl and Patterson. (See Patterson and Acklin, assignors.)						
Heyl and Patterson. (See Robb, Lewis J., assignor.)						
Heyl and Patterson. (See Robb and Harris, assignors.)						
Heylman, Edward M., assignor to Janesville Machine Company, Janesville, Wis. Seed-planter	760,394	May 17	3587	757	110	841
Heylman, Edward M., assignor to Janesville Machine Company, Janesville, Wis. Seed-planter	760,137	Aug. 30	6150	1286	111	2479
Heymann, Alexander, assignor of one-half to H. Heymann, Philadelphia, Pa. Carbonating apparatus	763,753	June 28	4232	920	110	2417
Heymann, Henry. (See Heymann, Alexander, assignor.)						
Heyne, Carl G., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	762,903	June 21	2568	557 558	110	2034
Heynssohn, Otto, San Carlos, Costa Rica. Prelling gear for tricycles	758,251	Apr. 26	4070	881	109	2269
Heynssohn, Otto, San Carlos, assignor of one-half to F. Alsdorf, Punta Arenas, Costa Rica. Dry-house	755,134	Mar. 22	3769	829	109	876
Heys, John J., assignor of one-half to M. V. Bresnahan, Lynn, Mass. Machine for shaping heels	761,485	May 31	5771	1232 1233	110	1353
Heyssel, Frederick W. E., Pisgah, Mo. Extension-brace	757,306	Apr. 12	2178	477	109	1824
Heyward, Barnwell R., Albany, N. Y. Cotton-picking apparatus	777,897	Dec. 20	2350	687	113	2079
Heywood Brothers and Wakefield Company. (See Watkins, Edward G., assignor.)						
Heywood, James, Philadelphia, Pa. Portable electric winch	773,867	Nov. 1	660	140	113	152
Hiatt, Dan O., Greenlawn, N. Y. Sash-holder	755,490	Mar. 22	4429	982	109	1014
Hibbard, Charles W., and W. Sandyhill, N. Y. Governor for explosive-engines	775,820	Nov. 22	4631	982	113	1096
Hibbard, Charles W., and W. Sandyhill, N. Y. Governor for explosive-engines	775,819	Nov. 22	4628	981 982	113	1095
Hibbard, Charles W., and S. Sandyhill, N. Y. Variable-speed transmission and regulator or brake	762,055	June 7	850	174 175	110	1621
Hibbard, Charles B., Grand Rapids, Mich. Non-refillable bottle	756,636	Apr. 5	837	181	109	1520
Hibbard, Charles B., Grand Rapids, Mich. Grater	775,973	Nov. 29	4961	1047	113	1185
Hibbard, Charles L. (See Weber and Hibbard.)						
Hibbard, George E., Chicago, Ill. Packing for shafts	750,766	Jan. 26	4415	951	108	1028
Hibbard, George E., Chicago, Ill. Sprinkler-head for automatic fire-extinguishers	750,767	Jan. 26	4416	952	108	1028
Hibbard, George E., Chicago, Ill. Sprinkler-head for automatic fire-extinguishers	750,768	Jan. 26	4419	952	108	1029
Hibbard, Henry D., and W. Gaston, Plainfield, N. J., assignors to Manganese Steel Safe Company, New York, N. Y. Vault or safe	758,069	Apr. 26	3727	810	109	2192
Hibbard, Maury W., assignor to R. Fitzgerald, Chicago, Ill. Fluid-pressure brake system	771,634	Oct. 4	813	181	112	1133
Hibbard, Sumner. (See Hibbard, Charles W., and S.)						
Hibbard, Sumner. (See Hibbard, Charles W., and S.)						
Hibbard, Warren. (See Hibbard, Charles W., and S.)						
Hibbard, Warren. (See Hibbard, Charles W., and S.)						
Hibbard, William E., Chicago, Ill. Hollow-wall mold	777,633	Dec. 13	2301	505 506	113	1948
Hibshman, Henry E., Newark, N. J. Musical instrument	777,370	Dec. 13	1776	394 395	113	1835
Hick, Steyart P., Wapakoneta, Ohio. Ground-anchor	769,083	Aug. 30	6036	1264	111	2454
Hickerson, John W. (See Barrett and Hickerson.)						
Hickey, James J., and M. C. Wickens, Anderson, Ind.; said Hickey assignor to said Wickens. Coupling-shank	777,785	Dec. 20	2588	572	113	2025
Hickey, John J. (See Peck, Irving H., assignor.)						
Hickey, John J., St. Louis, Mo. Sewer-digging machine	760,205	May 17	3252	651 652	110	765

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Hickey, John P., Washington, D. C. Boat.	761,895	June 7	448	91	110	1538
Hickman, George F. (See Bufford and Hickman.)						
Hickman, James J., Brooklyn, N. Y. Metal can.	774,248	Nov. 8	1387	296	113	330
Hickmott, Robert. (See Romiguiera, Alphonse, assignor.)						
Hickox, Mull & Hill Company. (See Harter, George E., assignor.)						
Hickox, William C., Sayre, Pa. Chemical fire-extinguisher.	753,072	Feb. 16	2423	541 542	108	1615
Hicks, Albert H., Jersey City, N. J. Pipe-coupling, closing device, and drain attachment.	769,380	Sept. 6	486	108	112	110
Hicks, Berry E. (See Gossett and Hicks.)						
Hicks, Bohu C., Chicago, Ill., assignor to Center Drive Automobile Company, Chicago, Ill., and Pierre, S. D. Motor-vehicle.	751,508	Feb. 9	1333	304	108	1361
Hicks, Bohu C., Chicago, Ill., assignor to Center Drive Automobile Company, Chicago, Ill., and Pierre, S. D. Running-gear for motor-driven vehicles.	760,120	May 17	3080	644	110	728
Hicks, Bohu C., assignor to Center Drive Automobile Company, Chicago, Ill. Motor-vehicle.	753,137	Apr. 26	3850	836	109	2221
Hicks, Cordelia S. (See Hicks, Simeon J., assignor.)						
Hicks, Edgar J. (See Thompson, Lee F., assignor.)						
Hicks, Edward W., Cynthia, Ky. Fire-extinguishing apparatus.	758,362	Apr. 26	4304	924	109	2320
Hicks, Emery F., Whitehall, Ill. Opening attachment for doors.	750,363	Jan. 26	3610	793	108	855
Hicks, Francis F. (See Hatfield, Frank K., assignor.)						
Hicks, Frank O., Clinton, Iowa. Holder for identification-slips.	774,754	Nov. 15	2378	513	113	566
Hicks, George F. H., Chicago, Ill. Railway-track-laying apparatus.	752,678	Feb. 23	3000	803 802	108	1893
Hicks Gold and Silver Extraction Company. (See Hicks, Thomas H., assignor.)						
Hicks, James E. B., Chicago, Ill. Button-fastening.	761,960	June 7	686	139	110	1590
Hicks, James M., Summit, N. J., assignor of one-half to A. A. Low, Horseshoe, N. Y. Method of and means for sealing vessels.	774,425	Nov. 8	1700	364	113	398
Hicks, John T., Medford, Mass. Differential wine-shelf.	499,391	Jan. 12	1522	323	108	366
Hicks, John T., Medford, Mass. Individual-check distributor.	770,581	Sept. 20	2745	582	112	653
Hicks-Judd Company. (See Husing, John W., assignor.)						
Hicks, Robert R., et al. (See Henderson, Thomas M., assignor.)						
Hicks, Simeon J., assignor to C. S. Hicks, Chicago, Ill. Coating-machine.	751,730	Feb. 9	1744	395 396 397	108	1446
Hicks, Thomas H., Fort Wayne, Ind., assignor to Hicks Gold and Silver Extraction Company. Ore-concentrator.	750,281	Jan. 26	3457	747 748	108	819
Hidy, Joseph D., Washington Court-House, Ohio. Corn-husking machine.	770,639	Sept. 30	2858	607	112	678
Hien, Phillip, Chicago, Ill. Friction-spring.	767,479	Aug. 16	2725	572 573	111	1681
Hien, Phillip, Chicago, Ill. Friction spring mechanism.	769,160	Sept. 6	43	11	112	12
Hien, Phillip, Chicago, Ill. Car-coupling.	775,902	Nov. 22	4782	1013	113	1127
Hien, Phillip, Chicago, Ill. Slack-adjuster.	777,098	Dec. 13	1269	279	113	1726
Hien, Phillip, Chicago, Ill., assignor to G. Westinghouse, Pittsburg, Pa. Draw-gear and buffing apparatus.	768,453	Aug. 23	4742	994 995	111	2152
Hiett, Francis M., Redoak, Iowa. Railway-tie.	759,105	May 3	1018	207	110	231
Hiett Wagon Company. (See Abernathy, John F., assignor.)						
Higby, Charles. (See Crawford and Higby.)						
Higgin, Henry, assignor to Higgin Manufacturing Company, Newport, Ky. Top-prop.	749,557	Jan. 12	2075	431	108	486
Higgin, Henry, assignor to Higgin Manufacturing Company, Newport, Ky. Tuffing-button.	767,885	Aug. 16	3514	744	111	1855
Higgin, Henry, assignor to Higgin Manufacturing Company, Newport, Ky. Fastening for carriage-curtains or the like.	776,838	Dec. 6	763	166	113	1594
Higgin, Henry, assignor to Higgin Manufacturing Company, Newport, Ky. Laundry-gear.	777,307	Dec. 13	1463	324	113	1767
Higgin Manufacturing Company. (See Higgin, Henry, assignor.)						
Higginbotham, John S. (See Higginbotham, Joseph B., assignor.)						
Higginbotham, Joseph B., assignor of one-tenth to J. S. Higginbotham, Aberdeen, S. D. Felly-joint.	776,323	Nov. 29	5603	1187	113	1332
Higgins, Aldus C., Worcester, Mass. Electric furnace.	775,654	Nov. 22	4317	911	113	1029
Higgins, Edward S., county of Surrey, England. Rotary engine.	777,417	Dec. 13	1806	412	113	1856
Higgins, Harry J., Denver, Colo. Head for marble or granite polishing machines.	759,886	May 17	2621	549	110	623
Higgins, Henry B., Denver, Colo. Separable hinge for screens.	754,769	Mar. 15	3105	678	109	714
Higgins, Henry B., Denver, Colo. Separable hinge for screens.	754,770	Mar. 15	3106	678	109	714
Higgins, Henry B., Denver, Colo. Hanger for half-sized screens.	754,771	Mar. 15	3107	678	109	714
Higgins, Joseph C., Boundbrook, N. J. Horseshoe.	762,998	June 21	2738	595	110	2072
Higgins, William, Roscommon, and W. G. Edmond, Dublin, Ireland. Machine or apparatus for affixing labels to bottles, boxes, or other articles.	751,074	Feb. 2	536	126	108	1177
Higgins, William W., Chicago, Ill. Reel-oven.	751,169	Feb. 2	717	164 165	108	1211
Higgs, Wallace J., Lehi City, Utah. Ironing-table.	769,313	Sept. 6	358	82	112	77
High, Samuel Y., Kansas City, Mo. Box-forming machine.	757,870	Apr. 19	3311	718	109	2083
Higham, Daniel, Wintrop, Mass. Phonograph reproducer apparatus.	772,938	Oct. 25	3474	752	112	1765
Highers, Charles, assignor of one-half to C. Wiggins, Vicksburg, Ky. Seed-planter.	752,553	Feb. 16	3330	742	108	1817
Highill, Thomas W., Farmer City, Ill. Wrench.	761,961	June 7	686	139	110	1590
Higginbotham, Amos M., Montgomery township, Crawford county, Ill. Clover and grass seeder.	773,739	Nov. 1	391	86	113	92
Highsmith, Aubrey O., Canton, Tex. Compound tool.	758,070	Apr. 26	3730	810	109	2193
Hight, Albert W., assignor to Ballard Drop Forge Co., Ballard, Wash. Pipe band and fastening.	761,486	May 31	5774	1233	110	1353
Higley, Christina J. (See Tooker and Price, assignors.)						
Higley, Christina J., New York, N. Y. Stocking-supporter.	775,422	Nov. 22	3815	806	113	920
Higley Machine Company. (See Jungst, Charles A., assignor.)						
Hilbert, Hermann, Heufeld, Germany. Making glue and gelatin from bones.	757,658	Apr. 19	2913	738	109	1998
Hilde, Hermann, Rosswein, Germany. Glass-furnace.	770,964	Sept. 27	3506	739	112	841
Hildebrandt, Carl, Düsseldorf, Germany. Shoe-sewing machine.	766,350	Aug. 2	421	89	111	1133
Hildenbrandt, Wilhelm. (See Abt, Roman, assignor.)						
Hildreth, Ned E., Lansing, Mich. Igniter mechanism for explosive-engines.	756,961	Apr. 12	1487	328	109	1675
Hildreth, William O. (See McKay and Hildreth.)						
Hile, Henry M., Canton, Ohio. Telephone-call teller.	775,921	Nov. 29	4827	1023	113	1155
Hiler, Robert F., St. Paul, Minn. Rule-case.	760,453	May 24	3709	785	110	886
Hiles, Thomas S., Chicago, Ill. Sidewalk-cleaner.	758,071	Sept. 26	3732	810	109	2193
Hilger, Eduard, Aix-la-Chapelle, Germany. Wrist-plate.	754,869	Mar. 15	3309	721	109	758
Hilker, Edward, Chicago, Ill. Combined mop and wringer.	752,679	Feb. 23	3606	803	108	1894
Hilker, Edward, Chicago, Ill. Combined mop and wringer.	758,753	May 3	351	70	110	86

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Hilkier, Christian F., Copenhagen, Denmark. Thermostatic device	763,754	June 28	4223	920	110	2417
Hill, Alfred W., West Hoboken, N. J., assignor to Phonic Carbon Company. Telephone-transmitter	759,441	May 10	1737	355	110	418
Hill, Arthur. (See Rogers, Christopher L., assignor.)						
Hill-Booker, Edith. (See Booker and Hill-Booker.)						
Hill, Bradbury, Osage, Iowa. Copy-holder	753,490	Mar. 1	505	117	109	111
Hill, Charles E., Millington, Mich. Mop-wringer	754,870	Mar. 15	3310	721	109	758
Hill, Charles E., Kansas City, Mo. Phonograph reproducer attachment	773,740	Nov. 1	392	87	113	93
Hill, Charles R., Toledo, Ohio. Crossing-signal for railways	764,588	July 12	1414	290	111	326
Hill, Charles V., St. Louis, Mo. Gas-burner	751,793	Feb. 9	1865	425	108	1472
Hill, Chauncey H., Hopkins, Minn. Band-cutter and feeder	755,661	Mar. 29	4753	1058	109	1101
Hill, Clayton M., and G. Stahl, Dayton, Ohio. Feeding device for book-sewing machines	762,999	June 21	2740	1595 596	110	2072
Hill & Co., Henry. (See D'Heureuse, Richard J. A., assignor.)						
Hill, Daniel T., Syracuse, Nebr. Dentistry	770,066	Sept. 13	1751	870	112	412
Hill, David H., Philadelphia, Pa. Stop-motion for knitting-machines	749,932	Jan. 19	2811	600	108	662
Hill, David W. (See Holt, George W., Jr., assignor.)						
Hill, Edward E., Chicago, Ill. Garbage-crematory	755,662	Mar. 29	4756	1059	109	1102
Hill, Edward P. (See Brewington, Henry S., assignor.)						
Hill Electrical Manufacturing Company. (See Hill, Harry M., assignor.)						
Hill, Frederick H., Somerville, Mass. Culinary vessel	752,167	Feb. 16	2587	575	108	1651
Hill, George E. (See Church and Hill.)						
Hill, George H., Glenridge, N. J. System of motor control	762,409	June 14	1835	337 338	110	1790
Hill, George H., Schenectady, N. Y., assignor to General Electric Company. Reversing-switch	766,351	Aug. 2	422	89	111	1133
Hill, George H., Schenectady, N. Y., assignor to Sprague Electric Company. System of motor control	778,825	Dec. 27	4057	1018	113	2484
Hill, George H., Glenridge, N. J., assignor to Sprague Electric Company. Electrical controlling apparatus	778,242	Dec. 27	3519	774 775	113	2235
Hill, George H., assignor of one-half to M. J. Doherty, Montreal, Canada. Safety-switch	771,014	Sept. 27	3607	759	112	862
Hill, George M., et al. (See Hill, Joseph D., assignor.)						
Hill, Gran W., Alexandria, Mo. Grain-separator	757,307	Apr. 12	2178	477 478 479 480 481	109	1824
Hill, Harry, Xenia, Ill. Coin-controlled stamp-dispensing machine	761,487	May 31	5774	1233 1234	110	1354
Hill, Harry M., assignor to Hill Electrical Manufacturing Company, St. Louis, Mo. Electrical water-heater	754,451	Mar. 15	2498	543	109	580
Hill, Herbert F., London, England. Safety apparatus for use with overhead electric conductors	762,410	June 14	1544	338	110	1793
Hill, Hiram A., La Crosse, Wis. Surfacing device	763,056	June 21	2861	618	110	2099
Hill, J. F. (See Hancock, Augustus H., assignor.)						
Hill, Jacob A. (See Green and Hill.)						
Hill, Jacob A., Brown Mountain, assignor of one-half to E. W. Nash, Winston, N. C. Combined tobacco box and cut-off	760,121	May 17	3082	644 645	110	728
Hill, Jethro M., Marissa, Ill. Automatic water-cut-off spout	769,314	Sept. 6	359	82	112	77
Hill, John B., assignor of one-half to E. W. Westervelt, Blackhawk, Colo. Rein-guard	751,509	Feb. 9	1335	305	108	1361
Hill, John B., and J. N. Strom, Edgefield, S. C. Plow	774,324	Nov. 8	1531	328	113	361
Hill, John E., Center Harbor, N. H. Fish-mouth opener	755,663	Mar. 29	4759	1059	109	1108
Hill, John E. (See Houghton, James C., assignor.)						
Hill, John R., Washington, D. C. Mouthpiece for purses, sacks, or similar receptacles	761,962	June 7	687	140	110	1590
Hill, John R., Washington, D. C. Producing printing plates or surfaces	778,313	Dec. 27	3671	800 801 802	113	2267
Hill, John R., Washington, D. C., and J. A. Svensson, Fort Hancock, N. J.; said Svensson assignor to said Hill. Transfer-press	778,826	Dec. 27	4661	1018 1019 1020 1021	113	2484
Hill, Joseph D., Wilmerding, assignor of two-thirds to S. R. Carse and G. M. Hill, Pittsburgh, Pa. Wrench	762,056	June 7	833	175	110	1622
Hill, Joseph H. (See Fay and Hill.)						
Hill, Joseph P., Worcester, Mass. Ash-sifter	758,032	Apr. 9	3635	786	109	2155
Hill, Joseph S., Washington, D. C., assignor to L. C. Hill. Tube-expander	751,731	Feb. 19	1752	398	108	1448
Hill, Leonore C. (See Hill, Joseph S., assignor.)						
Hill, Louis A., Washington, D. C. Automobile-spring	776,513	Dec. 6	74	18	113	1441
Hill, Milton B., Worcester, Mass. Machine-dog	768,454	Aug. 23	4746	995	111	2153
Hill, Raymond L., assignor of one-half to H. W. Summers, Elyria, Ohio. Automatic railway-switch	778,782	Dec. 27	4567	1000	113	2463
Hill, Robert J., Camden, N. J., assignor to James Smith Woolen Machinery Company. Lapping-machine	764,589	July 12	1416	290 291	111	326
Hill, Robert S., Detroit, Mich. Spring-making machine	771,549	Oct. 4	660	147 148	112	1099
Hill, Samuel W., Ross township, Allegheny county, Pa. Bridge construction	757,552	Apr. 19	2691	589	109	1947
Hill, Samuel W., Pittsburg, Pa. Arch-bridge construction	757,553	Apr. 19	2693	589	109	1948
Hill, Terelius A., Maryville, Tenn. Gate	762,057	June 7	854	175 176	110	1622
Hill, Thomas L. (See Noble, Richard D., assignor.)						
Hill, Thomas W., Los Angeles, Cal. Oil-burner	771,981	Oct. 11	1537	345	112	1301
Hill, Walter, Wallingford, Conn. Braiding-machine	755,038	Mar. 22	3551	778 779	109	827
Hill, William A. (See Shellhammer, Henthorn, and Hill.)						
Hill, William J., Buford, Ga. Window-lock and burglar-alarm	752,774	Feb. 23	3770	841	108	1930
Hillard, Charles W., trustee, et al. (See Sargent, Charles E., assignor.)						
Hillard, Eliphalet, Meriden, assignor to A. D. Bridge, Hazardville, Conn. Silo	766,038	July 26	4275	916	111	969
Hillard, Frederic W., New York, N. Y. Type-writing machine	758,258	Apr. 26	4071	881 882	109	2269
Hillcoat, Headley V., Amherst, Canada. Combination ball and roller bearing	749,192	Jan. 12	1309	281	108	332
Hiller, Gustav, Zittau, Germany. Cash-indicator	756,018	Mar. 23	5484	1210	109	1265
Hiller, Henry F., South Dartmouth, Mass. Brazing	767,339	Aug. 9	2442	111	1599	
Hiller, Henry F., South Dartmouth, Mass. Brazing compound	767,340	Aug. 9	2443	111	1599	
Hiller, Hugo L., New York, N. Y. Lace for garments	761,968	June 7	688	140	110	1590
Hiller, Nicolai H., Carbondale, Pa. Water-gage	750,539	Jan. 26	3961	857	108	927

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Hillerich, John A., Louisville, Ky. Base-ball bat.....	771,247	Oct. 4	58	13	112	974
Hillgren, Andreas, New York, N. Y. Controller for spring-actuated gear-wheels.....	769,544	Sept. 6	793	171	112	179
Hilliard, John D., Jr., Glens Falls, N. Y. Supporting-pin for line-insulators.....	758,179	Apr. 26	3928	853	109	2939
Hilliard, John D., Jr., Glens Falls, N. Y., assignor to General Electric Company. High-potential-energy detector.....	769,652	Sept. 6	974	211	112	222
Hilliard, William J., Buffalo, N. Y. Clutch-pulley.....	753,073	Feb. 23	4399	976	108	2070
Hilling, Richard A. (See Wilson and Hilling.)						
Hillion, T. W., et al. (See Vuncannon, Eli, assignor.)						
Hillman Manufacturing Company. (See Hillman, Shimer B., assignor.)						
Hillman, Marilla J., Minneapolis, Minn. Double boiler.....	776,025	Nov. 29	5058	1067	113	1209
Hillman, Shimer B., Jenkintown, Pa., assignor to Hillman Manufacturing Company. Beater, mixer, and masher.....	777,675	Dec. 20	2384	524	113	1981
Hillman, Theodore H., Spooner, Wis. Device for automatically operating air-brakes.....	765,008	July 12	2257	466	111	509
Hills, Albert C., London, England. Vehicle-tire.....	757,923	Apr. 19	3415	739	109	2107
Hills-McCanna Company. (See Delaney, Thomas A., assignor.)						
Hills, Percy B., et al. (See Meyer, Robert, assignor.) (Reissue.)						
Hills, Ward H., Des Moines, Iowa. Dust-pan.....	753,137	Feb. 23	4496	1001	108	2092
Hillyard, Newton S., St. Joseph, Mo. Adjustable sash fastener and tightener.....	777,099	Dec. 13	1272	279	113	1726
Hilyer, Francis L. (See Smith, Ernest D., assignor.)						
Hilyer, William H., Atlanta, Ga. Electrically-controlled switch.....	760,988	May 24	4789	1018	110	1118
Hilpert, Meier G., Pittsburg, Pa. Pulley-block with spring-latch gate.....	773,741	Nov. 1	395	87	113	93
Hilzinger, Albertus C., assignor to Child Case Cutter and Press Co., Boston, Mass. Paper-cutting machine.....	773,742	Nov. 1	398	87, 88	113	95
Hilton, William A., Utica, N. Y. Jumper or half-and-return loom-motion.....	770,067	Sept. 13	1753	370	112	413
Hilzinger, William. (See Gray and Hilzinger.)						
Himes, Thomas B., et al. (See Kray, John A., assignor.)						
Himmelwright, Abraham L. A., New York, N. Y., assignor to New Jersey Wire Cloth Company, Trenton, N. J. Fireproof covering for columns or the like.....	754,064	Mar. 8	1681	373	109	387
Himrod, George, Lockport, Ill. Mine-ventilator.....	773,936	Nov. 1	815	171	113	187
Hinchcliff, Henry C., New York, N. Y. Printer's galley.....	776,742	Dec. 6	560	122	113	1550
Hinchman, James B., Denver, Colo. Fireproof construction.....	765,006	July 12	2259	467	111	510
Hinckley, Harry P., Glenfield, Pa. Can-catcher.....	759,973	Feb. 2	360	87	108	1137
Hinckley, Howard N., assignor to Dwight Slate Machine Company, Hartford, Conn. Drill-press.....	772,568	Oct. 18	2738	602	112	1588
Hinde, Henry J., Toledo, Ohio. Controlling mechanism for drop-hammers.....	766,950	Aug. 9	1703	356	111	1440
Hinde, James J., Sandusky, Ohio. Packing-box.....	753,138	Apr. 26	3853	896	109	2252
Hindle, Robert W. (See Farnham, Schuyler E., assignor.)	761,172	May 31	5186	1102	110	1238
Hine-Watt Manufacturing Company. (See Watt, Sern P., assignor.)						
Hines, David H., et al. (See Hines, Hardin, assignor.)						
Hines, Freeman. (See Thorpe, William, assignor.)						
Hines, Hardin, assignor of three-fourths to O. G. Nesbitt, G. Booth, and D. H. Hines, Alamosa, Colo. Rail-joint.....	771,148	Sept. 27	3873	817	112	920
Hines, John H. (See Dye, Thomas J., assignor.)						
Hines, John T., assignor of one-half to T. J. Carter, Roanoke, Va. Armature-truck.....	772,883	Oct. 18	3360	730	112	1733
Hines, Joseph L., Dunn, N. C. Automatic car-step.....	764,467	July 5	1141	232	111	252
Hines, Thomas B., assignor of one-half to F. M. Joy, Buxton, Mass. Painter's scaffolding.....	768,304	Aug. 23	4543	955	111	2102
Hines, William J., assignor of one-half to Union Manufacturing Company, Leominster, Mass. Adjustable ornamental comb.....	752,680	Feb. 23	3607	803	108	1995
Hinkel, Peter, Chicago, Ill. Crimped sheet.....	752,775	Feb. 23	3771	842	108	1931
Hinks, Harry D., Birmingham, England. Lamp-extinguisher.....	749,061	Jan. 5	1059	217	108	237
Hinkson, Charles T. (See Hinkson, Laurie S. and C. T.)						
Hinkson, Frank B., assignor, by mesne assignments, to S. P. Emery, R. H. Whaley, and J. S. Long, Newcastle, Pa. Filter.....	769,351	Sept. 6	487	108	112	110
Hinkson, Laurie S. and C. T., Dallas Center, Iowa. Attachment for cultivators.....	771,149	Sept. 27	3875	817	112	920
Hinman, Charles W., Boston, Mass. Carbureter.....	773,322	Oct. 25	4398	933	112	1975
Hinman, Herbert F., New York, N. Y. Electrohydraulic valve mechanism for elevators.....	764,240	July 5	672	137	111	150
Hinman, Stephen J., Westville, Conn. Pipe attachment for wrenches.....	759,442	May 10	1759	356	110	418
Hinman, Walter, New York, N. Y. Photometer.....	773,144	Oct. 25	4090	854	112	1895
Hinne, Jobst, Berlin, Germany. Photographic-printing apparatus.....	769,343	Sept. 6	413	94	112	90
Hinrichs, Charles F., and J. C. Barker, Poplarbluff, Mo. Engine-cylinder.....	755,573	Mar. 29	5201	1150	109	1204
Hinsdale, Winfield E., assignor to Henry Huber Company, New York, N. Y. Closet-joint.....	760,863	May 24	4549	970	110	1067
Hinsley, Franz A., Hoboken, N. J. Cuspidor.....	761,227	May 31	5289	1124	110	1244
Hinson, Henry R. (See Williams and Hinson.)						
Hinson, James A., Chicago, Ill. Draft-rigging for railway-cars.....	751,983	Feb. 9	2274	509	108	1562
Hinson, James A., Chicago, Ill. Draft-rigging.....	753,296	Mar. 22	4067	901	109	938
Hinson, James A., deceased, Chicago, Ill.; M. Hinson, administratrix. Car-coupling.....	768,365	Aug. 23	4545	955	111	2102
Hinson, James A., deceased, Chicago, Ill.; M. Hinson, administratrix. Draw-bar attachment for railway-car couplings.....	768,854	Aug. 30	5590	1174	111	2355
Hinson, Margaret, administratrix. (See Kerckhoff, Herman H., assignor.)						
Hinton, George W., St. Joseph, Mo. Whirler.....	769,487	June 28	3720	802	110	2309
Hinton, Horace F., Terrell, Tex. Stalk-cutter.....	774,249	Nov. 8	1388	297	113	330
Hintz, Otto F., assignor to Farrand Organ Company, Detroit, Mich. Winding and re-winding mechanism.....	768,058	June 21	2864	619	110	2100
Hintz, Reinhold O., assignor of one-half to J. E. English, Massillon, Ohio. Rail-bender.....	754,593	Mar. 15	2709	580	109	627
Hinz, Friedrich, Berlin, Germany. Manufacturing peroxide.....	759,887	May 17	2635	549	110	624
Hipkins, William E. (See Simeon, Farnall, and Hipkins.)						
Hipolito, Espiridion, assignor to Hipolito Screen and Sash Company, Los Angeles, Cal. Screen.....	772,098	Oct. 11	1785	396	112	1358
Hipolito Screen and Sash Company. (See Hipolito, Espiridion, assignor.)						
Hipolito Screen and Sash Company. (See Kerckhoff, Herman H., assignor.)						
Hippisley, William H., Boston, Mass. Garment-hook.....	774,426	Nov. 8	1701	364	113	398
Hipwell, John B., Philadelphia, Pa., assignor to Windsor Machine Company. Automatic circular-knitting machine.....	749,933	Jan. 19	2812	601	108	663
Hirner, Emil A., Allentown, Pa. Stitch-car for knitting-machines.....	749,672	Jan. 12	2281	451	108	530
Hirner, Emil A., Allentown, Pa. Pattern-switch for knitting-machines.....	738,260	Mar. 1	87	23	109	22
Hirner, Emil A., Allentown, Pa. Thread-changing mechanism for circular-knitting machines.....	768,279	Aug. 23	4984	921	111	2067
Hirsch, Charles J., Milwaukee, Wis. Attachment for finger-bars of mowers or reapers.....	761,488	May 31	5777	1234	110	1354

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Hirsch, Daniel, and P. Worlin, New York, N. Y. Umbrella.....	773,499	Oct. 25	4792	1010	112	2060
Hirsch, Feodor C., New York, assignor to A. A. Low, Horseshoe, N. Y. Reversing-gear.....	773,038	Dec. 20	3133	689	113	2134
Hirsch, Frank E., <i>et al.</i> (See Decker, Carl W., assignor.).....						
Hirsch, Hiram H., Philadelphia, Pa. Bedstead-fastener.....	757,924	Apr. 19	3416	739	109	2107
Hirsch, Ignatz, assignor to E. Witte, Vienna, Austria-Hungary. Cot or pliable bedstead.....	776,244	Nov. 29	5434	1161	113	1306
Hirsch, Max, New York, N. Y. Fire-escape.....	749,558	Jan. 12	2076	432	108	486
Hirsch, Meyer, assignor of one-half to O. Lohman, Las Cruces, N. Mex. Ter. Reinforcer for bolts.....	765,139	July 12	2501	522	111	559
Hirsch, Morris, New York, N. Y. Folding box.....	756,019	Mar. 29	5486	1211	109	1266
Hirsch, Phillip O., Norfolk, Nebr. Tailor's measure.....	765,837	July 26	3898	831	111	888
Hirsch, Samuel, New York, N. Y. Boy's blouse.....	776,324	Nov. 29	5604	1188	113	1332
Hirschenfeld, Joseph, assignor to F. A. Morath, Colorado Springs, Colo. Bicycle-lock.....	764,846	July 12	1954	402	111	444
Hirschhorn, William, and F. Lowenstein, New York, N. Y. Electromedical apparatus.....	777,854	Dec. 30	2759	607	113	2059
Hirschmann, Josef, Pittsburg, Pa., assignor to American Tin Plate Company, Orange, N. J. Heating-furnace.....	776,962	Nov. 29	5118	1093	113	1221
Hirsh, Arthur, Chicago, Ill. Cushion-spring support.....	763,892	June 28	4489	979	110	2473
Hirsh, Harry, Eastman, Ga. Retort.....	777,208	Dec. 13	1464	324	113	1767
Hirschheimer, Albert. (See Hardy, Clement A., assignor.).....	762,058	June 7	857	176	110	1623
Hirshon, Morris H., Cambridge, assignor of one-half to C. F. A. Smith, Boston, Mass. Car-ventilator.....	772,355	Oct. 18	2331	511	112	1500
Hirst, G. W. (See Combs, James, assignor.).....						
Hirt, Adam R., Cincinnati, Ohio. Finger-moistening pad.....	772,039	Oct. 11	1658	371	112	1329
Hirt, Joseph H., Bucyrus, Kans. Dumping grass-collector.....	774,356	Nov. 8	1585	339	113	873
Hirt, Carl A., Stuttgart, Germany. Machine for attaching safety-labels to bottles with lever closing devices.....	771,635	Oct. 4	817	183	112	1134
Hirth, Louis G., <i>et al.</i> (See Beal, William C., assignor.).....						
Hiscox, Henry A., Clifton Springs, N. Y. Water-motor.....	771,636	Oct. 4	823	184	112	1135
Hiser, Charles H., assignor to Springfield Metallic Casket Company, Springfield, Ohio. Device for sealing graves.....	760,454	May 24	3710	785	110	886
Hiser, Sherman N., assignor to Champion Chemical Company, Springfield, Ohio. Chin-supporter.....	771,982	Oct. 11	1538	345	112	1301
Hisey, Charles S., Dayton, Ky., assignor to Hisey-Wolf Machine Company, Cincinnati, Ohio. Variable-speed mechanism.....	752,232	Feb. 16	2697	597	108	1678
Hisey-Wolf Machine Company. (See Hisey, Charles S., assignor.).....						
Hishop, George R., Paisley, Scotland. Mixing and distributing chamber for gas-fired furnaces.....	772,511	Oct. 18	2639	579	112	1566
Hiss, Nelson, New York, N. Y. Elevator.....	749,193	Jan. 12	1311	281	108	322
Hissem, Thomas J., Richmond, Ind. Harp.....	757,462	Apr. 19	2505	550	109	1906
Hitchcock, Dwight A., assignor to T. H. Simpson, Detroit, Mich. Actuating device for swinging doors of freight-cars.....	775,402	Nov. 22	3766	797	113	909
Hitchcock, Frank C. (See Carrier, James W., assignor.).....						
Hitchcock, Frank H., Somerville, Mass. Ventilator.....	759,898	May 17	2626	550	110	624
Hitchcock, Solomon C., assignor of one-half to C. O. Bosse and C. H. Morse, Tacoma, Wash. Split pulley.....	768,800	Aug. 30	5463	1150	111	2327
Hitchings, Fred W. and D. B. Ellsworth, Corralitos, Cal. Oil-burner.....	768,280	Aug. 23	4391	922	111	2068
Hiteshew, Harvey B., Pittsburg, Pa. Horizontally-pivoted window.....	762,634	June 14	3016	432	110	1895
Hiteshew, Harvey B., Pittsburg, Pa. Horizontally-pivoted window.....	764,190	July 5	556	110	111	123
Hitz, Emil. (See Johnson and Hitz.).....						
Hitz, Henry B. (See Van Blarcom and Hitz.).....						
Hitzel, Harry, Alpha, N. J., assignor, by mesne assignments, to Lehigh Pulverizer Mill Company, Catausqua, Pa. Air-separator for cement-grinding mills.....	778,432	Dec. 27	3961	862	113	2329
Hizer, William, Lyons, Mich. assignor of one-half to C. R. Herrick. Folding basket.....	773,500	Oct. 25	4793	1100	112	2061
Hjorth, Henry J., Cambridge, assignor to T. E. O'Brien, Watertown, and J. F. Eaton, Boston, Mass. Surface-gage.....	761,381	May 31	5601	1012	110	1313
Hjorth, Lars, Chicago, assignor of one-fourth to O. Strand, South Chicago, Ill. Combined dish and flanging machine.....	766,826	Aug. 9	1450	303	111	1383
Hjorth, Walter A. W. E., assignor to Elektromilitära Aktiebolaget, Stockholm, Sweden. Contact for telephone or like circuits.....	769,084	Aug. 30	6037	1265	111	2455
Hoag, Andrew H. (See Salo, John B., assignor.).....						
Hoag, Andrew H. (See Salo and Hoag.).....						
Hoag, Andrew H. and J. B. Salo, New York, N. Y. Weighing mechanism for refrigerators.....	764,358	July 5	913	186	111	201
Hoag, Chester R., assignor to Whitehead & Hoag Company, Newark, N. J. Case for fishing-tackle.....	765,730	July 26	3682	785	111	842
Hoag, Hemon V., Jr., Smithville Flats, assignor to Fun Vending Company, Rochester, N. Y. Vending-machine.....	749,485	Jan. 12	1941	403	108	455
Hoag, James W., San Francisco, Cal. Apparatus for feeding separate sheets of paper to printing press.....	769,747	Sept. 13	1162	250	112	281
Hoaglund, Peter J. W., Steeritt township, Allegheny county, Pa. Heater.....	751,794	Feb. 9	1867	326	108	1472
Hoard, Allen P., Taunton, Mass. Mount for preserving records.....	761,964	June 7	689	140	110	1590
Hobart, Adam, St. Johnsville, assignor to Roth and Engelhardt, New York, N. Y. Tune-sheet attachment for autopneumatic pianos.....	765,240	July 19	2682	558	111	617
Hobart, Edward B., <i>et al.</i> (See Greer, William N., assignor.).....						
Hobart, Franklin B., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Gas-generator.....	772,040	Oct. 11	1659	371	112	1329
Hobbs, Clinton E., <i>et al.</i> (See Brockett, Atwater E., assignor.).....						
Hobbs, Davis D. (See Murray, John J., assignor.).....						
Hobbs, Francis E., Centralia, Ill. Car.....	775,490	Nov. 22	3947	834	113	948
Hoberg, Frank H. (See Hoberg, John, Sr., and F. H.).....						
Hoberg, John, Sr., and F. H., Greenbay, Wis. Paper-reel.....	752,971	Feb. 23	4200	936	108	2027
Hoberg, Clayton, Philadelphia, Pa. Insulator for telegraph-wires.....	759,276	May 10	1435	286	110	348
Hobson, Clara G. (See Barnes, John W., assignor.).....						
Hobson, John H., Mattoon, Ill. Wrench.....	751,914	Feb. 9	2113	476	108	1529
Hobson, William H., Wichita, Kans. Knife-blade attachment for cutting-machines.....	762,717	June 14	2194	477	110	1381
Hochklassen, Henry, assignor to Fay-Sholes Company, Chicago, Ill. Type-writing machine.....	749,822	Jan. 19	2594	553	108	615
Hochriem, Gustav F., St. Louis, Mo. Vending-machine.....	763,286	June 21	3294	711	110	2194
Hochstein, Ludwig, Dietrichsdorf, near Kiel, Germany. Compensating pipe-joint.....	765,484	July 19	3189	712	111	726

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Hock, Henry W. and J. A., Youngstown, Ohio. Machine for rolling pipe-couplings, &c.	748,948	Jan. 5	763	165	108	173
Hock, John A. (See Hock, Henry W. and J. A.)						
Hockensmith, Franklin C., Pittsburg, assignor to Hockensmith Wheel & Mine Car Company, Penns Station, Pa. Mine-car	775,007	Nov. 15	2889	617	113	683
Hockensmith Wheel & Mine Car Company. (See Hockensmith, Franklin C., assignor.)						
Hocker, Lewis E., Montevista, Colo. Lifting-jack	767,886	Aug. 16	3515	744	111	1855
Hockersmith, John A., Chamberlain, S. D. Clothing-rack	758,072	Apr. 26	3732	811	109	2193
Hodd, Donald V., Hamilton, Canada. Sandpapering-machine	759,995	May 17	2838	594	110	673
Hodecker, Louis, Brooklyn, N. Y. Necktie-holder	758,073	Apr. 26	3733	811	109	2194
Hodge, Charles J., Houghton, Mich. Quartz-mill	748,867	Jan. 5	595	135	108	133
Hodge, Charles J., Houghton, Mich. Mineral or ore washing jig	771,900	Oct. 11	1379	1313	112	1267
Hodge, James, Witwatersrand Gold Fields, Transvaal. Chuck for rock-drilling machines.	752,972	Feb. 23	4202	986	108	2028
Hodge, John, Chester, Pa., assignor to Harper Manufacturing Company. Rod-packing.	754,065	Mar. 8	1682	374	109	387
Hodge, John, Chester, Pa., assignor to Harper Manufacturing Company. Rod-packing.	754,139	Mar. 8	1625	406	109	419
Hodge, Leonard M., assignor of one-half to W. P. Holmes, San Jose, Cal. Measuring instrument	776,325	Nov. 29	5605	1188	113	1332
Hodge, William E., Brighton, assignor of one-half to D. T. McNeill, Ann Arbor, Mich. Adjustable switch-bar	760,989	May 24	4791	1019	110	1118
Hodgen, John M. (See Livingston and Hodgen.)						
Hodgens, James, Savannah, Mo. Feed-trough	767,643	Aug. 16	3061	630	111	1756
Hodges, Addison S., Everett, Mass. Car-brake	748,605	Jan. 5	90	33, 24	108	22
Hodges, Alonzo N., Grand Rapids, Mich. Knockdown sectional bookcase	762,520	June 14	1809	388	110	1851
Hodges, Charles, Guiderock, Neb. Lath-measuring vice	761,489	May 31	5778	1235	110	1354
Hodges, Clarence B. and F. W., Detroit, Mich. Lubricator	752,554	Feb. 16	3332	742	108	1815
Hodges, Emory C., Farmer City, Ill. Foundation	774,176	Nov. 8	1260	297	113	301
Hodges Fiber Carpet Company. (See Stevenson, William M., assignor.)						
Hodges, Frederick F., Battletree, Mich. Check-hook	766,352	Aug. 2	423	90	111	1134
Hodges, Frederick W. (See Hodges, Clarence B. and F. W.)						
Hodges, Frederick W., Detroit, Mich. Valve	772,414	Oct. 18	2433	534	112	1522
Hodges, George W., Morgan Park, Ill., and G. S. Hastings, Plainville, Conn. Fastening for knife-handles	769,220	Sept. 6	158	38	112	34
Hodges, John A., et al. (See Stockwell, Millard E., assignor.)						
Hodges, Samuel H., Jersey City, N. J. Pen-shield	760,334	May 17	3486	734	110	818
Hodges, Samuel H., Jersey City, N. J. Pen-shield	760,335	May 17	3487	734	110	818
Hodgkins, Howard G., Chicago, Ill. Steel building construction	761,297	May 31	5438	1156	110	1276
Hodkinson, Francis, Wilkinsburg, Pa., assignor to Westinghouse Machine Company. Valve-controlling mechanism	761,510	Feb. 9	1336	305	108	1363
Hodkinson, Francis, Edgewood Park, and O. Frik, Wilkinsburg, Pa., assignors to Westinghouse Machine Company. Impulse-wheel for fluid-pressure turbines	763,397	June 28	3551	765	110	2273
Hodson, Edward O., Bridgeport, N. J. Tree-coupling	775,922	Nov. 29	4839	1023	113	1155
Hodson, Walter W., Philadelphia, Pa. Jacquard apparatus for looms	767,942	Aug. 16	3629	768	111	1579
Hodli, Harrison S., Etta, Pa. Running-gear	750,854	Feb. 2	140	32	108	1088
Hodshon, Ernest E., Wheeling, W. Va. Sportsman's convertible hat	748,949	Jan. 5	765	166	108	174
Hodshon, Ernest E., Wheeling, W. Va. Sportsman's convertible hat	748,950	Jan. 5	768	166	108	175
Hodson, Leopold P. C., Shoreham, England. Mounting tips upon billiard or like cues	767,887	Aug. 16	3516	744	111	1855
Hodson, Walter D., assignor to National Sweeper Company, Marion, Ind. Carpet-sweeper.	761,836	June 7	449	92	110	1539
Hodson, William M. (See Hayes, George L., assignor.)						
Hoe, Robert, et al. (See Balze, Frederick, assignor.)						
Hoe, Robert. (See Balze, John C. F., assignor.)						
Hoe, Robert. (See Cruse, Amundus H., assignor.)						
Hoe, Robert. (See Main, William J., assignor.)						
Hoe, Robert. (See Mascord, George W., assignor.)						
Hoe, Robert. (See Read, George F., assignor.)						
Hoe, Robert, et al. (See Read, George F., assignor.)						
Hoe, Robert, et al. (See Read, George F., assignor.) (Reissue.)						
Hoe, Robert. (See Spalckhaver, William, assignor.)						
Hoe, Robert. (See Tucker, Edwin D., assignor.)						
Hoe, Robert. (See White, Joseph, assignor.)						
Hoecke, David, New York, N. Y. Combinational chair	768,990	Aug. 30	5864	1230	111	2418
Hoefler, August G. (See Hoefler, Frederick W., A. G., and E. A.)						
Hoefler, Emil A. (See Hoefler, Frederick W., A. G., and E. A.)						
Hoefler, Frederick W., A. G., and E. A., assignors to Hoefler Manufacturing Company, Freeport, Ill. Drilling-machine	766,583	Aug. 9	1568	329, 330	111	1408
Hoefler Manufacturing Company. (See Hoefler, Frederick W., A. G., and E. A., assignors.)						
Hoefel, Charles L., Defiance, Ohio. Check-hook	776,909	Dec. 6	896	193	113	1624
Hoeges, Jacob. (See Mosteller, Dostier H., assignor.)						
Hoegle, Hans J., Princess Bay, N. Y. Bed-bottom	756,020	Mar. 29	5488	1211	109	1266
Hoelsche, Edmond C., Chicago, Ill. Machine for stamping or shaping plastic clay, shale, &c., into various patterns or articles	753,981	Mar. 8	1529	341	109	353
Hoelscher, Adolph G., assignor to A. T. Palmer, Boston, Mass. Bookbinding	751,431	Feb. 2	1201	273	108	1312
Hoeltzel, George A. (See Randall, Victor E., assignor.)						
Hoeltz, Harry E., and W. A. McCullough, Rochester, Pa. Steering apparatus for automobiles	768,527	Aug. 23	4896	1024	111	2182
Hoepner, George, assignor to Union Scale and Manufacturing Company, San Francisco, Cal. Weighing apparatus	749,194	Jan. 12	1313	281, 282	108	323
Hoepner, George, assignor to Union Scale and Manufacturing Company, San Francisco, Cal. Automatic weighing-machine	761,587	May 31	5953	1277	110	1893
Hoermann Brothers Company. (See Hoermann, H. and H. D., assignors.)						
Hoerner, John S., Highland, Ill. Joint-plate for rails	777,255	Dec. 13	1554	345	113	1787
Hoerr, August, and J. Boerschinger, New York, N. Y. Temporary closure for bungs-holes or the like	777,100	Dec. 13	1274	280	113	1727
Hoerr, Emanuel S., Kansas City, Mo. Firearm	755,773	Mar. 29	5007	1113	109	1158
Hoerr, Louis A., St. Louis, Mo. Tie-plate	751,511	Feb. 9	1339	325	108	1362
Hoerr, Louis A., St. Louis, Mo. Draft-rigging	774,388	Nov. 8	1634	351	113	384
Hoes, Albert M., St. Paul, Neb. Mail-box	758,446	Apr. 26	4470	961	109	2355
Hoesly, Antone P., Martinez, Cal. Automatic windmill-regulator	767,562	Aug. 16	2898	606	111	1720
Hoesman, Herman F., San Jose, Cal. Heater	764,191	July 5	557	110	111	123
Hoey, Edward, Canal Fulton, Ohio. Automatic cut-off	759,712	May 10	2273	470	110	581
Hoey, John, San Francisco, Cal. Bed or couch bottom	748,968	Jan. 5	796	193	108	134
Hoey, John, San Francisco, Cal. Couch	749,673	Jan. 12	2283	481	108	530
Hoey, John, San Francisco, Cal. Upholstery-spring support	763,607	June 28	3920	855	110	2353
Hoey, John, San Francisco, Cal. Bed or couch	767,151	Aug. 9	2100	438	111	1526
Hoff, Edward J., assignor of one-fourth to E. S. Peck, Jr., Colorado Springs, Colo. Water-meter	774,665	Nov. 8	2149	470, 471	113	492

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Hoff, Edwin H., assignor of one-half to L. La Mere, Mosinee, Wis. Sawing-machine.	756,789	Apr. 5	1145	253	109	1588
Hoff, George W. (See Magin, John G. assignor.)						
Hoffeld & Company, R. (See Maier and Howe, assignors.)						
Hoffer, James M. (See Long and Hoffer.)						
Hoffken, Jerry G., Hampton, Minn. Washing-machine	756,856	Apr. 12	1279	285	109	1632
Hoffman, Addison F., Pittsburg, Pa. Building-block	753,491	Mar. 1	507	118	109	112
Hoffman, Augustus, St. Johnsville, assignor of one-half to G. I. Hovey, Deansboro, N. Y. Can-capping machine	776,910	Dec. 6	897	193	113	1624
Hoffman, Carl J., Denver, Colo. Rail-joint	760,864	May 24	4552	970	110	1068
Hoffman, Edward J., Chicago, Ill., assignor to National Compressed Coal Company, Wilmington, Del. Binder for briquets	759,443	May 10	1760		110	418
Hoffman, Frederick, L. A. Sprenger, and J. J. Weber, Buffalo, N. Y. Leaf-turner	777,786	Dec. 20	2589	572	113	2026
Hoffman, George A., assignor to H. Bilgram, Philadelphia, Pa. Tapping-machine	774,357	Nov. 8	1587	339	113	374
Hoffman, George D., assignor to Norwall Manufacturing Company, Chicago, Ill. Valve for steam-heating systems	751,853	Feb. 9	1996	453	108	1502
Hoffman, George D., assignor to Norwall Manufacturing Company, Chicago, Ill. Thermostat	751,854	Feb. 9	1999	453	108	1502
Hoffman, George W. U. S. Army, and J. T. Gibson, New York, N. Y. Apparatus for washing granular materials	762,309	June 14	1343	288	110	1751
Hoffman, Harry, assignor of one-half to C. A. Murphy, Chicago, Ill. Coat-collar	759,371	May 10	1633	331	110	389
Hoffman, Henry, New Rochelle, N. Y. Car-brake	768,991	Aug. 30	5865	1230	111	2418
Hoffman, Jacob, Sidney, N. J. Swather attachment for mowing-machines	753,883	Mar. 8	1335	300	109	308
Hoffman, Joseph. (See Meyer and Hoffman.)						
Hoffman, Joseph E., New York, N. Y. Horseshoe	766,039	July 26	4276	916	111	969
Hoffman, Otto N., St. Johnsville, N. Y. Jar-closure	749,674	Jan. 12	3242	481	108	530
Hoffman, Ross J., Bradford, Pa. Gas-meter	756,365	Apr. 5	358	73	109	1420
Hoffman, Ross J., Bradford, Pa. Meter	756,366	Apr. 5	359	73	109	1420
Hoffman, Ross J., Bradford, Pa. Street-sign	766,839	Dec. 6	764	166	113	1594
Hoffman, Ross J., and E. H. Hollingshead, Bradford, Pa. System of pumping oil	773,501	Oct. 25	4795	1011	112	2061
Hoffman, Valentine. (See Barna and Hoffman.)						
Hoffman, William M., Buffalo, N. Y., assignor, by mesne assignments, to Globe Power Company, Inc. Rotary engine	766,696	Aug. 2	1147	238	111	1296
Hoffman, William W., West Lafayette, assignor to Electric & Steam Ry. Supply Company, Lafayette, Ind. Trolley-harp	769,086	Aug. 30	6046	1266	111	2458
Hoffman, William W., and F. W. Powers, West Lafayette, assignors to Electric & Steam Ry. Supply Co., Lafayette, Ind. Trolley-retriever	769,085	Aug. 30	6039	1265	111	2455
Hoffmann, Albert von, assignor of one-half to E. A. Conway, Milwaukee, Wis. Implement for applying herbicide	773,743	Nov. 1	401	88	113	95
Hoffmann, Albert von, assignor to N. S. Robinson, Milwaukee, Wis. Cash-register	777,341	Dec. 13	1721	381	113	1824
Hoffmann, Alfred W., assignor to New York Metal Specialty Manufacturing Co., New York, N. Y. Candle and shade holder	755,664	Mar. 29	4769	1059	109	1108
Hoffmann, Ernst G., London, England. Telescope joint for shafting, &c.	754,066	Mar. 8	1684	374	109	387
Hoffmann, Ernst G., London, England. Universal joint or coupling for shafting, &c.	771,637	Oct. 4	824	184	112	1135
Hoffmann, Ernst G., Chelmsford, England. Ball-bearing	774,427	Nov. 8	1702	364	113	398
Hoffmann, Justus. (See Kaufhold and Hoffmann.)						
Hoffmann-Laroche, Firm of F. (See Schaerges, Carl F., assignor.)						
Hoffmann, Meinhard, Frankfurt-on-the-Main, Germany, assignor to Cassella Color Company, New York, N. Y. Dark-blue wool-dye and making same	749,195	Jan. 12	1317		106	324
Hoffmann, Otto C., assignor to F. Greer, Chicago, Ill. Cable-clip	749,968	Jan. 19	2916	633	108	685
Hoffmann, Otto C., assignor to F. Greer, Chicago, Ill. Cable-clip	749,969	Jan. 19	2917	633	108	685
Hofheimer, Maurice, New York, N. Y. Street-sign	767,814	Aug. 16	3373	714	111	1824
Hofheimer, Maurice, New York, N. Y. Street-sign	770,068	Sept. 13	1755	371	112	413
Hofheimer, Maurice, New York, N. Y., assignor to United States Vending Corporation. Coin-controlled vending-machine	758,180	Apr. 26	3929	853	109	2239
Hofheimer, Maurice, New York, N. Y., assignor to United States Vending Corporation. Boston, Mass. Fraud preventive for coin-controlled vending-machines	772,512	Oct. 18	2640	580	112	1567
Hofmann, Fritz, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Making dialkyl carbinols	727,834	Dec. 27	3530		113	2237
Hofmann, Johann, West Covington, assignor of one-half to H. F. Bittlinger, Covington, Ky. Water-motor	751,732	Feb. 9	1754	398	108	1449
Hofmann, Louis, assignor of part to G. E. Foerster, New York, N. Y. Non-refillable bottle	759,178	May 3	1167	237	110	265
Hofmann, Mathias, Knightsville, Ind. Weighing-machine	763,560	June 28	3854	835	110	2338
Hofmann, Ottokar, Argentine, Kans., assignor to United Zinc and Chemical Company, Kansas City, Mo. Roasting-furnace	768,748	Aug. 30	5367	1130	111	2306
Hofmann, Peter, Greenfield, Iowa. Thresher and separator	753,705	Mar. 1	947	214	109	204
Hofmeister, Julius, assignor to Actie-Gesellschaft für chemische Industrie, Vienna, Austria-Hungary. Producing a nutritive substance from blood	778,738	Dec. 27	4569		113	2463
Hogan, Cornelius. (See Jackson and Hogan.)						
Hogan, Daniel. (See Meinecke and Hogan.)						
Hogan, Denis F., St. Louis, Mo. Dust-collector	755,874	Mar. 29	5203	1150	109	1204
Hogan, George L. (See Tourtel and Hogan.)				1151		
Hogan, George R., assignor to McIntosh Battery & Optical Co., Chicago, Ill. X-ray-tube stand	768,048	Aug. 23	3887	816	111	1955
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Troy, N. Y. Needle-vibrating mechanism for sewing-machines	750,646	Jan. 26	4137	897	108	963
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Mamaronock, N. Y. Stitched buttonhole	751,512	Feb. 9	1340	305	108	1363
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Mamaronock, N. Y. Thread-cutting device for sewing-machines	757,463	Apr. 19	2588	550	109	1077
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Mamaronock, N. Y. Cutter and cutting mechanism for buttonhole-sewing machines	760,865	May 24	4553	970	110	1068
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Mamaronock, N. Y. Buttonhole-sewing machine	767,480	Aug. 16	2729	573	111	1682
Hogan, James T., Jersey City, N. J., assignor to National Machine Company, Mamaronock, N. Y. Mechanical movement	767,481	Aug. 16	2732	573	111	1683
Hogan, Oliver K., New York, N. Y. Dredge	762,903	Feb. 23	4090	902	108	1988
Hogan, Patrick J., Cincinnati, Ohio. Sash-lock	774,471	Nov. 8	1768	386	113	415
Hogan, Thomas, and P. H. Grady, Abilene, Tex. Bottle-stopper	772,933	Oct. 18	3203	697	112	1687
Hogan, William F., Boston, Mass. Rubber compound	765,973	July 26	4149		111	944
Hoge, Lucine W. (See Ericson, Berry, and Hoge.)						
Hogg, William S., Washington, D. C. Coherer	763,894	June 28	4496	980	110	2475
Hogg, William S., Washington, D. C., assignor of one-half to Greater New York Security Company, New York, N. Y. Wireless telegraphy	763,893	June 28	4491	979	110	2474

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Hogge, Harry, Asnières, and J. Barollier, Paris, France. Manufacture of incandescent electric lamps	766,619	Aug. 2	984	206	111	1260
Hogoboom, Elmer E. and M. B. De Soto, Wis. Banana-crate	775,491	Nov. 22	3949	884	113	948
Hogoboom, Milo B. (See Hogoboom, Elmer E. and M. B.)						
Hogue, Charles L., San Francisco, Cal. Optometrist's trial-frame	748,732	Jan. 5	333	74.75	108	74
Hogue, John A., Plainfield, Ark. Cotton-chopper	775,771	Nov. 22	4533	962	113	1076
Hogue, Lovren E., Greenville, Pa. Injector	776,840	Dec. 6	765	167	113	1595
Hoh, August. (See Greatorex and Hoh.)						
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,517	May 10	1908	284 285	110	452
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,518	May 10	1911	285 286	110	452
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,519	May 10	1913	286 287	110	453
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,520	May 10	1914	287 288 289	110	453
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,521	May 10	1916	289 290	110	454
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,522	May 10	1918	290	110	454
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,523	May 10	1919	291	110	455
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,524	May 10	1920	291 292	110	455
Hohenstein, Archie G., New Haven, Conn. Steam-boiler	759,525	May 10	1922	292	110	455
Hohmann, August B., Richmond Hill, assignor to C. J. Tagliabue, Brooklyn, N. Y. Means for securing measuring instruments centrally in bottles, &c.	752,452	Feb. 16	1349	702	108	1776
Hohner, Frank J., Denver, Colo. Line-gage for type-writing machines	775,140	Nov. 15	3166	672	113	746
Hohoff, Frederick H., Washington, D. C. Display-rack for umbrellas or the like	760,866	May 24	4555	970	110	1069
Hohulin, John S., and T. Goodfield, Ill. Fence-post	764,468	July 5	1143	232	111	252
Hohulin, Samuel. (See Hohulin, John S., and T.)						
Hohulin, Timotheus. (See Hohulin, John S., and T.)						
Hoisington, Benjamin R., Minneapolis, Minn. Threshing-machine	750,855	Feb. 2	142	32.33	108	1089
Hok, Gustaf, Eskilstuna, Sweden. Steam-boiler	768,178	Aug. 23	4185	880	111	2023
Hokans, John P., Washington, D. C. Rocking-chair	763,667	June 28	4053	882 883	110	2380
Hoke, John M., Statesville, N. C. Wrench	776,063	Nov. 29	5122	1093	113	1292
Holabird, Louis. (See Campbell and Holabird.)						
Holaday, Albert E., New Haven, Conn. Trolley-wire clip	765,974	July 26	4150	886	111	944
Holbert, S. Ray. (See Kuhn, Samuel H., assignor.)						
Holbrook, F. A. (See Jordan, William T., assignor.)						
Holbrook, Lyman C., Charlotte, Mich. Surgical instrument	751,513	Feb. 9	1342	306	108	1363
Holbrook, Martin F., Otto, N. Y. Stock-rack	761,676	June 7	109	18.19	110	1463
Holbrook, Percy. (See Weber and Holbrook.)						
Holbrook, Percy, assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Rail-joint	753,395	Mar. 1	323	73	109	73
Holbrook, Percy, assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	767,373	Aug. 9	2330	487	111	1575
Holbrook, Percy, assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated joint	771,983	Oct. 11	1539	345 346	112	1301
Holcomb, James M., Ozona, Tex. Vegetable-slicer and meat-tenderer	769,545	Sept. 6	795	171	112	180
Holcombe, William S. (See Bayley, Harry E., assignor.)						
Holcombe, William S. (See Bayley, Harry E., assignor.)						
Holcroft, Edmund V. (See Holcroft, William H., assignor.)						
Holcroft, William H., assignor of one-half to E. V. Holcroft, Chester, Pa. Water-seal gas-producer	759,179	May 3	1168	237 238	110	265
Holdaway, Arthur E., London, England. Safety oil-lamp	757,040	Apr. 12	1667	361	109	1713
Holden, Edward P., Chicago, Ill. Metal-bending machine	759,217	May 3	1281	258	110	291
Holden, Frank, London, England, assignor to General Electric Company. Electric clock	755,774	Mar. 29	5008	1114	109	1158
Holden, Frank, Rugby, England, assignor to General Electric Company. Testing the magnetic qualities of materials	773,937	Nov. 1	816	171	113	188
Holden, George, Merchantville, N. J., assignor to Merritt and Company. Adjustable shelf for lockers, &c.	777,256	Dec. 13	1554	346	113	1787
Holden, George C. (See Palmer, Edward T., assignor.)						
Holden, George C., Wayne, Pa. Graphophone	762,904	June 21	2571	558	110	2084
Holden, Samuel S. (See Murch, William W., assignor.)						
Holden, Thomas M., Newton Center, Mass. Purée and vegetable forcer	776,136	Nov. 23	3261	1112	113	1255
Holder, William R., Bainbridge, Ga. Can-opener	707,755	Aug. 16	3244	683	111	1797
Holderman, Minnie L., Fond du Lac, Wis. Gage for sewing-machines	770,035	Sept. 13	1662	353	112	393
Holdridge, Oscar E., New Bedford, assignor to Draper Company, Hopedale, Mass. Filling-carrier for feeler-loom	760,627	May 24	4059	863	110	964
Holdt, Frederick von, Denver, Colo. Circular-saw machine	776,743	Dec. 6	561	123	113	1550
Holets, Frank and W. Fillmore, Minn. Leveling device for traction-engines	774,472	Nov. 8	1788	886	113	415
Holets, William. (See Holets, Frank and W.)						
Holinger, Emil F., McKeesport, Pa. Valve	768,662	Aug. 30	5193	1092	111	2267
Holladay, John M., Holladay, Va. Saw-filer	749,990	Jan. 19	2018	623	108	685
Holladay, Lewis L., Lynn, Mass., assignor to General Electric Company. System of electrical distribution	753,575	Mar. 1	691	155	109	122
Holland, Chas. E., et al. (See Widdicombe, James H., assignor.)	755,775	Mar. 29	5011	1114	109	1159
Holland, Emma F., New York, N. Y. Cuspidor	766,252	Aug. 2	227	44	111	1091
Holland, Franklin. (See Holland, James M. and F.)						
Holland, George H., Springfield, Ill. Water-column for steam-boilers	755,875	Mar. 29	5205	1151	109	1205
Holland, George K. D., Cleburne, Tex. Hitching device	778,039	Dec. 20	3134	680	113	2134
Holland, Harold M., and J. F. McLean, Galesburg, Ill. Discus	773,336	Oct. 18	2332	511	112	1500
Holland, Henry V., New York, N. Y. Machine for the manufacture of inlaid linoleum	759,106	May 3	1018	308 309	110	231
Holland, James M. and F., Baltimore, Md. Sheet-metal bed-riser	758,917	May 8	675	136	110	159
Holland, Joseph, Akron, Ohio. Rubber tire	762,310	June 14	1345	288	110	1752
Holland-Letz, Louis, Chicago, Ill. assignor to International Harvester Company. Snapping-rolls for corn-husking machines	778,040	Dec. 20	3136	690	113	2134
Holland Manufacturing Company. (See Renner, Henry F., assignor.)						
Holland, Richard, Pipestone county, Minn. Harvesting-machine	769,344	Sept. 6	413	94	112	90
Holland, Stanley R., St. Louis, Mo. Prepared roofing	758,982	Mar. 8	1334	341	109	354

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Holland, W. J., <i>et al.</i> (See Hayes, Edward W., assignor.)						
Holland, William A., assignor of one-half to E. E. Harvey, London, Ohio. Trolley	776,064	Nov. 29	5123	1084	113	1222
Holland, William T., Suffolk, Va. Vise	759,107	May 3	1030	209	110	234
Hollander, David I., <i>et al.</i> (See Harris, William E., assignor.)						
Hollander, Herman, <i>et al.</i> (See Harris, William E., assignor.)						
Hollar, William H. (See Given and Hollar.)						
Holle, August, Düsseldorf, Germany. Bleaching and dyeing apparatus	767,563	Aug. 16	2900	608 607	111	1720
Hollé, Gustav, and C. Stevenson, Philadelphia, Pa.; said Stevenson assignor to said Hollé. Milk-jar-locking device	750,191	Jan. 19	3283	709	108	761
Holle, Walter. (See Taylor and Holle.)						
Hollenbeck, Frank A., Wheeling, W. Va. Breakdown firearm	753,492	Mar. 1	508	118	109	112
Hollenbeck, James W., and W. E. Palmer, San Francisco, Cal. Guide-sheave for hoisting apparatus	770,857	Sept. 27	3294	605	112	792
Hollerith, Herman, Washington, D. C., assignor to Tabulating Machine Company. Registering apparatus	777,209	Dec. 13	1466	325 326	113	1767
Holley, Everett D., Forestville, assignor to American Silver Company, Bristol, Conn. Heat-insulator for vessel-handles	772,099	Oct. 11	1786	397	112	1358
Holley, Franklin S., Stockton, Cal. Traveling harvester	762,585	June 14	1915	413	110	1872
Holliday, Henry C., assignor of two-thirds to S. E. Dudley and J. W. Foster, Hermanville, Miss. Nut-lock	754,309	Mar. 8	2147	475	109	486
Hollingshead, Edward H. (See Hoffman and Hollingshead.)						
Hollingsworth, Julia W., Iowa City, Iowa. Extension-dashboard for vehicles	758,754	May 3	353	70, 71	110	86
Hollingsworth, Isaac N., Terry, assignor of two-thirds to E. R. Crooker, Lauderdale, Miss., and F. A. Broussard, Carencro, La. Clothes-pounder	771,015	Sept. 27	3610	760	112	863
Hollingsworth, Joseph C., Dallas, Tex. Wire-fence clamp	762,411	June 14	1545	338	110	1794
Hollingsworth, Robert L., Faith, Ga. Dust-collector	770,582	Sept. 20	2746	582	112	653
Hollingsworth, Thomas J., Magazine, Ark. Cotton-chopper	775,533	Nov. 22	4038	851	113	968
Hollingsworth, William N., <i>et al.</i> (See McDevitt, William, assignor.)						
Hollingworth, Edward. (See Ainley and Hollingworth.)						
Hollingworth, Edward, Dobocser, England, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-box motion for looms	752,973	Feb. 23	4204	986	108	2028
Hollingworth, Edward, Dobocser, England, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Wiring-motion of looms for weaving carpets	752,974	Feb. 23	4206	937	108	2029
Hollnake, Joseph, <i>et al.</i> (See Spence, Harry, assignor.)						
Hollins, Frederick T., Leytonstone, England. Safety device for electric interlocking or block-signaling apparatus	761,490	May 31	5781	1235 1236	110	1355
Hollis, Charles, Wolfboro, N. H. Crib	754,140	Mar. 8	1826	407	109	419
Hollis, Elijah P., Greenville, S. C. Combined stalk-cutter, root-extractor, and fertilizer-distributor	774,696	Nov. 8	2153	471	113	493
Hollis, Ezra, Oilfield, Ill. Corn-gatherer	778,663	Dec. 27	4362	953	113	2418
Hollis, Frank J., New York, N. Y. Chair	773,255	Oct. 25	4272	903	112	1919
Hollister, Bertram K., assignor to Bauer & Black, Chicago, Ill. Ligature-tube	749,934	Jan. 19	2816	601	108	663
Hollister, Bertram K., assignor to Bauer & Black, Chicago, Ill. Fumigator	773,145	Oct. 25	4038	855	112	1898
Hollister, Clarence P. (See Whyland and Hollister.)						
Hollister, George K., Jr., New York, N. Y. Producing artificial fuel	762,718	June 14	2195	-----	110	981
Hollister, George K., Jr., New York, N. Y. Artificial fuel	775,241	Nov. 15	3424	-----	113	813
Hollmeyer, John P., Camden, N. J., assignor of one-fourth to F. W. Shriver, Philadelphia, Pa. Tail-coupling	764,847	July 12	1956	402	111	444
Holloran, Thomas P., Utica, N. Y. Cloth-wheel or cloth-shoe for knitting-machines	753,074	Feb. 23	4393	977	108	2071
Holloway, George W. (See Reed, Charles E., assignor.)						
Holloway, Samuel G., Nobob, Ky. Nose-check for cattle	773,643	Nov. 1	206	45	113	50
Holloway, Willis L., Westbranch, Iowa. Vending-machine	771,910	Oct. 11	1382	514 515	112	1267
Hollowell, Charles O., Harrison, Ohio. Clothes-tongs	772,566	Oct. 18	2736	601	112	1598
Holm, Carl L. (See Dahlqvist and Holm.)						
Holm, John P., New York, N. Y. Wrench	771,248	Oct. 4	59	13	112	974
Holman, Charles G. B., Norfolk, England. Speed-indicator	777,371	Dec. 13	1777	395	113	1835
Holman, Charles T., Meadville, Pa. Bag-holding apparatus	765,578	July 19	3351	704	111	759
Holman, Daniel H., Moscow, Idaho. Sight for gun-barrels	755,665	Mar. 29	4762	1060	109	1103
Holman, Erik, Lagrange, Ill. Drawing-cabinet	762,530	June 14	1810	389	110	1851
Holman, Thomas H., Akron, Ohio. Eichele-gear	755,491	Mar. 22	4490	982	109	1014
Holman, William J., Minneapolis, Minn. Compound three-part rail for railways	758,651	May 8	82	17	110	22
Holmberg, Anna, <i>et al.</i> (See Holmberg, Charles G., assignor.)						
Holmberg, Arvid J., Battlecreek, Mich. Steam-actuated valve	760,122	May 17	3085	645	110	729
Holmberg, Charles G., assignor to A. Holmberg and J. M. Wheeler, Woonsocket, S. D. Lamp	753,075	Feb. 23	4395	977	108	2071
Holmen, Axel R., Columbus, Ohio. Loading and unloading apparatus	763,182	June 21	3106	669	110	2154
Holmer, Anders, Chicago, Ill. Trousers-stretcher	763,608	June 28	3932	855	110	2354
Holmes, Alva L., Grand Rapids, Mich. Adjustable joint for water and steam pipes	757,112	Apr. 12	1793	393	109	1740
Holmes, Alfred, Valley Falls, R. I., assignor to Whitin Machine Works, Incorporated, Whitinsville, Mass. Stop-motion for drawing-rolls	761,965	June 7	690	140	110	1590
Holmes, Anderson M., Denver, Colo. Tent-cottage	758,033	Apr. 19	3637	1286 1287	109	2156
Holmes and Edwards Silver Company. (See Warner, William A., assignor.)						
Holmes, Edwin M., Manlius, N. Y. Hoisting and conveying apparatus	778,582	Dec. 27	4208	917	113	2382
Holmes, Francis M., Beagle, Kans. Box-fastener	767,482	Aug. 16	2735	574	111	1683
Holmes, Franklin S., New York, N. Y. Automatic electrical signaling system	773,868	Nov. 1	662	140	113	153
Holmes, Franklin S., New York, N. Y. Automatic electrical signaling system	773,869	Nov. 1	665	141	113	153
Holmes, Franklin S., New York, N. Y. Automatic electrical signaling system	773,870	Nov. 1	671	142	113	155
Holmes, George L., Chicago, Ill. Gate and chute for coal or ore pockets	752,555	Feb. 16	3339	743	108	1819
Holmes, Henry H., Council Bluffs, Iowa. Trap	770,640	Sept. 20	2860	608	112	678
Holmes, Howard B., Evanston, assignor to Western Electric Company, Chicago, Ill. Flexible conducting cord	752,840	Feb. 23	3907	876	108	1959
Holmes, Howard C., assignor of one-half to C. Uhlig, San Francisco, Cal. Pile and wharf supporting structure	772,100	Oct. 11	1787	397	112	1358
Holmes, James S., Carlton, Victoria, Australia. Manifold sales-book	761,073	May 31	4995	1060	110	1181
Holmes, Jesse L., Butte, Mont. Tunnel construction	751,287	Feb. 2	960	219	108	1261
Holmes, Jesse L., Butte, Mont. Metal dam	771,071	Sept. 27	3718	784 785	112	885
Holmes, John, Boston, Mass. Trap and waste-outlet for set tubs, &c	773,569	Nov. 1	72	14	113	21

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Holmes, Merton A., Newton, Mass., assignor to Charles Holmes Machine Company, Portland, Me., and Boston, Mass. Leather-press.....	763,895	June 28	4498	980 981	110	2475
Holmes, Samuel, New York, N. Y. Tank-steamer.....	758,074	Apr. 26	3734	811	109	2194
Holmes, Samuel P., et al. (See Burdon, David P., assignor.)						
Holmes, Walter G. (See Westervelt and Holmes.)						
Holmes, Watson M. (See Shaw, William W., assignor.)						
Holmes, Watson M., Hoosick Falls, N. Y., assignor, by mesne assignments, to Planters Compress Company. Fluid system for presses or the like.....	753,261	Mar. 1	91	23	109	23
Holmes, Watson M., Hoosick Falls, N. Y., assignor, by mesne assignments, to Planters Compress Company. Compressing mechanism.....	758,253	Apr. 26	4075	882	109	2270
Holmes, Watson M., Hoosick Falls, N. Y., assignor, by mesne assignments, to Planters Compress Company. Thrust-bearing.....	775,923	Nov. 29	4830	1023	113	1155
Holmes, Welles E. (See Cole, William H., assignor.)						
Holmes, William H., Columbus, Ohio. Cushion-tire wheel.....	759,611	May 10	2087	428 429	110	489
Holmes, Willis P. (See Hodge, Leonard M., assignor.)						
Holmgren, Per F., New York, N. Y. Turbine-engine.....	749,196	Jan. 12	1318	283	108	324
Holmgren, Swan, St. Paul, Minn. Folding bed.....	768,049	Aug. 23	3890	816	111	1955
Holmok, Charles, assignor to J. M. O'Connell, Cleveland, Ohio. Safety device for gas-pressure.....	778,784	Dec. 27	4570	1000	113	2463
Holms, James, Jr., Waimahaka, New Zealand. Coupling-link.....	775,038	Nov. 15	2951	629	113	697
Holmstrom, Charles, Scandia, Kans. Wood-sawing machine.....	763,488	June 28	3732	802	110	2309
Holmström, Johan G., assignor to Elektromittra Aktiebolaget, Stockholm, Sweden. Combined telephone receiver and transmitter.....	763,755	June 28	4224	921	110	2418
Holsapple, Samuel N., Hudson, N. Y. Pocket-book for bills or bank-notes.....	773,392	Oct. 25	4554	962	112	2011
Holson, Albert B., Chicago, Ill., assignor, by mesne assignments, to Holson Motor Patents Company, Limited, Grand Rapids, Mich. Electric motor. (Reissue.).....	12,281	Oct. 25	4890	1032	112	2062
Holson Motor Patent Company. (See Holson, Albert B., assignor.) (Reissue.)						
Holstine, William, Stone, W. Va. Drilling-machine.....	762,169	June 7	1053	222	110	1667
Holston, William W. (See Fisher and Holston.)						
Holston, William W., Morristown, and O. L. Fisher, Whitepine, Tenn. Railway-tie.....	755,004	Mar. 22	3537	779	109	828
Holt, Charles L., Lawrence, Mass. Expansion-joint for soil-pipes.....	760,790	May 24	4401	985	110	1036
Holt, Claude, Abbeville, Ala. Attachment for revolvers.....	771,728	Oct. 4	388	221	112	1170
Holt, George W., Jr., assignor to D. W. Hill, Poplarbluff, Mo. Bottle.....	771,413	June 14	1546	338	110	1794
Holt, John, Lawrence, Mass. Mule-spinning machine.....	758,652	May 3	86	18	110	23
Holt Manufacturing Company. (See Severance, Adam W., assignor.)						
Holt, Robert C. (See Stafford and Holt.)						
Holt, Seth M., Bertha, Ky. Revolving bookcase.....	770,903	Sept. 27	3386	714	112	812
Holt, Seth M., Bertha, Ky. Revolving cabinet.....	770,904	Sept. 27	3387	714 715	112	812
Holt, Thomas. (See Meixell and Holt.)						
Holt, William, Chicago, Ill. Moistener for envelops, &c.....	775,299	Nov. 22	3543	747	113	857
Holt, William T., administrator. (See Grant, Thomas.)						
Holthaus, Bernard, Oldenburg, Germany. Harvester.....	754,926	Mar. 15	3299	743	109	777
Holtz, Martin, Ellis, Mass. Merry-go-round.....	762,531	June 14	1812	390	110	1852
Holtzmann, Charles, and J. F. Butler, Pittsburg, Pa. Device for preventing railway collisions.....	757,191	Apr. 12	1956	427	109	1778
Holtzer-Cabot Electric Company. (See Bliss, Donald M., assignor.)						
Holtzer-Cabot Electric Company. (See Taylor, Walter F., assignor.)						
Holtzhausen, Franz, Nossen, Germany. Decorticator.....	762,586	June 14	1919	413 414	110	1873
Holtzmann, Philip, Brooklyn, N. Y. Athletic vehicle.....	772,884	Oct. 18	3362	731	112	1728
Holway, William J. (See McGinty, John H., assignor.)						
Holwick, Daniel L., administrator. (See Shoemaker, Charles F.)						
Holyland, Charles, Sr., Pittsburg, Pa. Overhead-trolley attachment.....	750,458	Jan. 26	3784	823	108	892
Holz, Frederick, assignor to Cincinnati Milling Machine Company, Cincinnati, Ohio. Feed-gearing for machine-tools.....	774,843	Nov. 15	2565	551 552	113	606
Holzach, Fritz. (See Kottusch, Emanuel, assignor.)						
Holzer, Wilhelm, Darmstadt, Germany. Machine for weighing wagons, &c.....	753,884	Mar. 8	1338	301	109	309
Holzhausen, Fritz von, Frankfurt-on-the-Main, Germany. Music-leaf turner.....	773,075	Oct. 25	3819	814	112	1845
Holzinger, Stefan, Homestead, Pa. Wrench.....	770,567	May 24	4556	971	110	1069
Holzman, Michael, et al. (See Darley, John W. Jr., assignor.)						
Holzwarth, Hans, assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Impact-engine.....	750,974	Feb. 2	361	87, 88	108	1138
Holzwarth, Hans, assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Dynamo-electric machine.....	752,168	Feb. 16	2588	576	108	1651
Holzwarth, Hans, assignor to Hooven-Owens-Rentschler Company, Hamilton, Ohio. Turbine-bearing.....	752,224	Feb. 16	2700	597	108	1679
Holzwarth, Hans, assignor to Hooven-Owens-Rentschler Company, Hamilton, Ohio. Turbine.....	752,340	Feb. 16	2933	654	108	1730
Holzwarth, Hans, assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Governor for engines.....	754,563	Mar. 15	2710	589 590	109	627
Holzwarth, Hans, assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Coupling for shafting.....	761,966	June 7	691	141	110	1591
Holzwarth, Hans, assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Puppet-valve.....	769,382	Sept. 6	490	108	112	111
Holzworth, Charles C., Juniata, Nebr. Draft-equalizer.....	770,806	Sept. 27	3183	674	112	766
Homan & Company. (See Leaveworth, Seth H., assignor.)						
Homan, William C., assignor to Edward Miller & Company, Meriden, Conn. Shade and globe holder.....	752,225	Feb. 16	2701	598	108	1679
Homer, Emil, St. Louis, Mo. Door or window fastener.....	777,342	Dec. 13	1736	382	113	1825
Homestead Valve Manufacturing Company. (See Rylands, James J., assignor.)						
Hommel, George. (See Bausch and Hommel.)						
Homolka, Benno, Frankfurt-on-the-Main, and F. von Bolzano, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Glycollic acid anilid-orthocarbonylic acid and making indigo.....	768,455	Aug. 23	4748	-----	111	2153
Homolka, Benno, Frankfurt-on-the-Main, and J. Erber, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Reacting on nitramins with formaldehyde and a product thereof.....	763,756	June 28	4226	-----	110	2418
Homolka, Benno, Frankfurt-on-the-Main, and N. Schwan, Soden, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Photographic developer.....	767,815	Aug. 16	3375	-----	111	1825
Honest, Edwin, Cleveland, Ohio. Regulator.....	757,113	Apr. 12	1794	393	109	1740
Honeyman, Henry W., Pawtucket, assignor to Textile-Finishing Machinery Company, Providence, R. I. Clip for cloth-entering machines.....	761,967	June 7	693	141	110	1591
Honeyman, William A., Wallace, Idaho. Car-wheel and axle.....	770,585	Sept. 20	2745	583	112	654

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Hong, Louis K., Sisseton, S. D. Speed-governor.....	755,776	Mar. 20	5012	1114	109	1159
Honold, Gottlob F., Sheboygan, Wis. Casket-holder.....	750,982	Jan. 26	2450	748	108	819
Honold, Gottlob F., Sheboygan, Wis. Bedstead.....	770,730	Sept. 27	3065	651	112	741
Honor, John B., New Orleans, La. Elevator apparatus.....	767,888	Aug. 16	3518	745	111	1856
Honsberger, William H., Buffalo, N. Y. Emergency air-brake.....	748,733	Jan. 5	336	75	108	74
Honsberger, William H., Buffalo, N. Y. Valve.....	759,277	May 19	1436	286	110	349
Honse, Jesse M., Homestead, Pa. Stand-boiler.....	764,725	July 12	1706	349	111	389
Hood, Arthur M., trustee. (See Brick, Charles, assignor.).....						
Hood, Arthur N., Boston, Mass. Machine for working rubber.....	752,975	Feb. 23	4209	937	108	2029
Hood, Hiram Q., Carthage, Mo. Mail-shears.....	755,492	Mar. 22	4431	983	109	1014
Hood, Hiram Q., Webb City, Mo. Spike-puller.....	775,534	Nov. 22	4040	852	113	968
Hood, L. S. M., trustee. (See Dew, John, assignor.).....						
Hood, Robert M., assignor of one-half to O. W. Potts, Fort Mill, S. C. Seed-planter.....	769,345	Sept. 6	416	95	112	91
Hood Rubber Company. (See Mason, Herbert C., assignor.).....						
Hood, William H. (See Cook and Hood.).....						
Hooker, Leslie E., and W. M. Sharp, Binghamton, N. Y.; said Sharp assignor to said Hooker. Corpse-adjuster.....	771,729	Oct. 4	989	221	112	1171
Hooker, William, South Norwood, assignor to Flameless Gas Light Company, Limited, London, England. Carbureter.....	768,801	Aug. 30	5465	1151	111	2327
Hooley, Edgar P., Nottingham, England. Apparatus for the preparation of tar macadam.....	765,975	July 26	4151	886	111	944
Hoou, Paul, St. Paul, assignor of one-half to E. A. Ritt, Ramsey county, Minn. Oil-can.....	751,984	Feb. 9	2277	509	108	1562
Hoou, Paul, and E. A. Ritt, St. Paul, Minn. Valve.....	777,554	Dec. 13	2332	517	113	1958
Hooper, Charles L., et al. (See Strail, Frederick, assignor.).....						
Hooper, Charles L., Rochester, N. Y. Trolley-harp.....	765,075	July 12	2295	499	111	536
Hooper, Frank, Philadelphia, Pa. assignor to W. Ayres & Sons. Snap-hook.....	751,915	Feb. 9	2113	477	108	1529
Hooper, George W., et al. (See Strail, Frederick, assignor.).....						
Hooper, John A., Southard, Pa. Stand-pipe connection for oil-wells.....	772,804	Oct. 18	3204	697	112	1688
Hooper, John J., assignor of one-third to T. K. Wilson, Chillicothe, Ohio. Railway-switch.....	751,916	Feb. 9	2115	477	108	1529
Hooper, Louis M., Rutherford, N. J., assignor to J. L. Mott Iron Works. Pump water-closet.....	762,059	June 7	859	176	110	1623
Hooper, Louis M., Rutherford, N. J., assignor to J. L. Mott Iron Works. Heater and mixing-faucet.....	775,655	Nov. 22	4319	912	113	1030
Hooper, Louis M., Rutherford, N. J., assignor to J. L. Mott Iron Works, New York, N. Y. Water-closet.....	763,561	June 28	3856	835	110	2338
Hooper, Louis M., Rutherford, N. J., assignor to J. L. Mott Iron Works, New York, N. Y. Water mixing and heating faucet.....	771,473	Oct. 4	493	111	112	1063
Hooper, William E., Baltimore, Md. Cop-winding machine.....	777,101	Dec. 13	1275	280	113	1727
Hooper, William N., and T. J. Sunday, Conroe, Tex. Railway joint and chair.....	756,962	Apr. 12	1490	281	109	1675
Hoops, Frank A., Pittsburg, Pa. Bottle-seal.....	755,573	Mar. 22	4573	1017	109	1046
Hoosier Cheese Cutter Company. (See Heizer, Hensley, and Louiso, assignors.).....						
Hoosier Voting Machine Company. (See De Croes, Clement, assignor.).....						
Hooton, Robert T., and C. G. Ross, New York, N. Y.; said Hooton assignor to said Ross. Machine for measuring chocolate.....	765,731	July 26	3653	786	111	843
Hooven, Owens, Rentschler Company. (See Holzwarth, Hans, assignor.).....						
Hooven, Owens, Rentschler Company. (See Richter, Charles O., assignor.).....						
Hoover, Andrew J. (See Leopold and Hoover.).....						
Hoover, Charles E. (See Jobling, William G., assignor.).....						
Hoover, Daniel M. (See Irish and Hoover.).....						
Hoover, David L., Franklin, Tenn. Railway-crossing signal.....	772,236	Oct. 11	2078	454	112	1422
Hoover, Frank K., and A. J. Mason, Chicago, Ill. Brake for hoisting-machines.....	750,283	Jan. 25	3461	748	108	820
Hoover, Frank K., and A. J. Mason, Chicago, Ill. Gate for ore-pockets or similar receptacles.....	753,076	Feb. 23	4396	977	108	2072
Hoover, Frank K., and A. J. Mason, Chicago, Ill. Trolley-hook for manipulating self-loading grabs.....	754,652	Mar. 15	2886	631	109	663
Hoover, Frank K., and A. J. Mason, Chicago, Ill. Device for rapid and accurate loading of railway-cars, &c.....	768,992	Aug. 30	5567	1230	111	2418
Hoover, Frank K., and A. J. Mason, Kansas City, Mo. Apparatus for excavating and sluicing gravel, or other material.....	759,108	May 3	1031	209	110	234
Hoover, Frank K., and A. J. Mason, Kansas City, Mo. Dump-car.....	772,041	Oct. 11	1662	371	112	1329
Hoover, Frank K., and A. J. Mason, Kansas City, Mo. Scraper.....	775,081	Nov. 15	3043	646	113	720
Hoover, Herbert W., Newport News, Va. Steering-gear.....	753,576	Mar. 1	694	155	109	152
Hoover, Horatio A., Latham, Ill. Fruit-drier.....	769,608	Sept. 6	895	194	112	203
Hoover, Samuel B., assignor of one-half to H. F. Warner, Roca, Nebr. Railway-tie.....	755,493	Mar. 22	4432	983	109	1015
Hoover, William H. (See Miller, Richard, assignor.).....						
Hope, George W. (See Savage and Hope.).....						
Hope, Herbert M. (See Valentina, Robert S., assignor.).....						
Hopewell, Charles F. (See Morse and Hopewell.).....						
Hopewell, Charles F., Cambridge, Mass. Circuit-operating device.....	773,323	Oct. 25	4399	934	112	1975
Hopewell, Charles F., Cambridge, Mass. Track-switch-operating mechanism.....	773,324	Oct. 25	4401	934	112	1976
Hopewell, Charles F., Cambridge, Mass. assignor to Uni Signal Company. Electric switch.....	757,925	Apr. 19	3418	740	109	2107
Hopewell, Charles F., and C. H. Morse, Cambridge, Mass. Electric switch.....	767,889	Aug. 16	3520	746	111	1856
Hopewell, Frank B. (See Edwards, Frank E., assignor.).....						
Hopewell, Frank B., Cambridge, Mass. Device for holding spring-actuated curtains.....	758,915	May 3	677	136	110	159
Hopewell, Frank B., Cambridge, Mass. Device for holding spring-actuated curtains.....	758,919	May 3	680	136	110	160
Hopfel, Edward. (See Martin, David W., assignor.).....						
Hopfelt, Robert, Berlin, Germany. Electric-arc lamp.....	757,659	Apr. 19	2914	633	109	1998
Hopkins, Archibald E. (See Fellows and Hopkins.).....						
Hopkins, Archibald E. (See Fellows and Hopkins.).....						
Hopkins, Archibald E., and O. S. Fellows, Middletown, N. Y. Can-runway.....	752,341	Feb. 16	2934	654	108	1731
Hopkins, Archibald E., and O. S. Fellows, Middletown, N. Y.; said Hopkins assignor to said Fellows. Can-elevator.....	751,170	Feb. 2	722	166	108	1211
Hopkins, Archibald E., and O. S. Fellows, Middletown, N. Y.; said Hopkins assignor to said Fellows. Can-cooling apparatus.....	774,177	Nov. 8	1261	267	113	302
Hopkins, Charles E., Worcester, Mass. assignor of one-half to F. West, Brooklyn, N. Y. Stereotype-casting machine.....	757,114	Apr. 12	1796	394	109	1741
Hopkins, Charles L., Albany, N. Y., assignor to Curtain Supply Company, Newark, N. J. Shade-holding device.....	761,837	June 7	450	92	110	1539

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Hopkins, Charles L., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture.	764,500	July 12	1419	291	111	327
Hopkins, Edward M., Shopiere, Wis. Scaffold.	763,757	Mar. 28	4226	921	110	2418
Hopkins, Evan H., South Kensington, London, England. Obtaining zinc	754,141	Mar. 8	1827	407	109	4180
Hopkins, Frank W., assignor to Colorado Iron Works Company, Denver, Colo. Pneumatic hydraulic separator.	751,645	Feb. 9	1591	362	108	1415
Hopkins, Heber A., Cambridge, Mass., assignor to American Soda Fountain Company, Jersey City, N. J. Soda-water apparatus.	752,453	Feb. 16	3151	702	108	1776
Hopkins, James M., Chicago, Ill. Body-bolster for cars.	763,978	July 5	100	16	110	30
Hopkins, James M., Chicago, Ill. Truck-bolster for cars.	768,901	Aug. 30	5680	1194	111	2377
Hopkins, John H. (See Smith, George W., assignor.)						
Hopkins, John H., Punksutavney, Pa. File-driver.	757,936	Apr. 19	3422	740	109	2019
Hopkins, John I., Chicago, Ill. Ice-tank.	754,772	Mar. 15	3109	679	109	714
Hopkins, Louis M., assignor to Rand, McNally & Co., Chicago, Ill. Ticket-case.	777,418	Dec. 13	1868	412	113	1856
Hopkins, Marcus C., Jersey City, N. J., assignor to Illusion Company, New York, N. Y. Apparatus for producing optical illusions.	769,799	Sept. 13	1250	269	112	290
Hopkins, Walter B., Providence, R. I. Waterproof entrance-bushing for wires.	768,993	Aug. 30	585	123	111	8419
Hopkins, William W., St. Louis, Mo. Wagon pull device.	762,311	June 14	1346	288	110	1752
Hopkins, William W., St. Louis, assignor to W. P. H. Turner, Normandy, Mo. Car-brake-operating mechanism.	764,127	July 5	429	88, 84	111	93
Hopkinson, Amos C. (See Hopkinson, William B., assignor.)						
Hopkinson, Ernest. (See Dahlgren, Charles J., assignor.)						
Hopkinson, Joseph, assignor to Computing Scale Company, Dayton, Ohio. Scale.	770,807	Sept. 27	3185	674, 675, 683, 954	112	767
Hopkinson, Joseph, and R. Kilburn, assignors to J. Hopkinson and Company, Limited, Huddersfield, England. Stop-valve.	778,664	Dec. 27	4363	954	113	2418
Hopkinson, William B., assignor of one-half to A. C. Hopkinson, Muscatine, Iowa. Electric fire-alarm.	769,824	Sept. 13	1315	280	112	316
Hopp, Ernest F., Willis, Mont. Gate-fastener.	774,428	Nov. 8	1703	364	113	398
Hopp, George W., Olympia, Wash. Fuel block or briquet.	766,188	Aug. 2	65		111	1055
Hopper, Bernard W., Philadelphia, Pa. Shoe-fastening device.	751,432	Feb. 2	1203	273, 274	108	1313
Hopper, Edgar W., Wells, Mich. Sawmill set-works.	762,170	June 7	1055	222	110	1667
Hopper, Milford C., Woburn, Mass. Snow-scraper.	768,749	Aug. 30	5372	1131	111	2306
Hoppestad, Julius J. (See Johnson, Erick, assignor.)						
Hopping, Samuel M., Galveston, Tex. Nut-lock.	759,713	May 10	3274	470	110	531
Hopton, Lemuel R., assignor to Oxley Enos Company, New York, N. Y. Globe or shade holder.	759,444	May 10	1762	356	110	418
Horan, John J., New York, N. Y. Rotary engine.	758,262	Mar. 1	93	23, 24	109	23
Horne, Charles F., and C. Y. Case, assignors to Case Manufacturing Company, Rochester, N. Y. Casing for vending-machines.	773,288	Oct. 25	4341	917	112	1964
Horne, Hanniel M., Chicago, Ill. Cooking utensil.	754,310	Mar. 8	2148	476	109	486
Horne, Hanniel M., Chicago, Ill. Flat-iron.	768,942	Aug. 30	5767	1212	111	2397
Hornlacher, Adam S., Indianapolis, Ind. Knotting-tool.	750,093	Jan. 19	3001	643	108	702
Hornlacher, Adam S., Indianapolis, Ind. Headie-movement for hand-operated looms.	750,093	Apr. 5	84	18, 19	109	1360
Hornlacher, Adam S., Indianapolis, Ind. Manufacturing web for rugs.	756,790	Apr. 5	84	18, 19	109	1360
Hornlacher, Adam S., Indianapolis, Ind. Spool-rack.	756,790	Apr. 5	1146	254	109	1589
Horn, Alfred W. (See Wahl, Frank S., assignor.)						
Horn, August G. T. (See Tuttle and Horn.)						
Horn, Charles F. W., New York, N. Y. Ultra-violet-ray electrode.	769,183	June 21	3107	669	110	2154
Horn, Edwin A., South Bethlehem, Pa. Packing.	769,398	June 28	3552	765	110	2273
Horn, George A. (See Gibbs, James E., assignor.)						
Horn, Henry E., assignor to Brush Belt Concentrator Company, Denver, Colo. Concentrator.	776,662	Dec. 6	389	84, 85	113	1514
Horn, Josiah F., Hazelton, Pa. Refrigerator.	755,576	Mar. 29	5206	1151	109	1205
Horn, Louis G., Moxville, V. C. Heating apparatus.	771,308	Oct. 4	170	37	112	907
Horn, Louis, Detroit, Mich. Wrapper for cooking articles of irregular outline.	751,171	Feb. 2	726	166	108	1213
Horn, William K., New Orleans, La. Tobacco-pipe.	773,624	Nov. 22	4258	899	113	1016
Hornbeck, Henry, Elizabeth, assignor of one-half to A. L. See, Cranford, N. J. Piano-action	776,841	Dec. 6	769	167	113	1505
Hornberger, Abner W., Milton, Pa. Wrench.	767,230	Aug. 9	2236	470	111	1558
Hornblower, Josiah N., Elizabeth, N. J. Cable logging system.	760,455	May 24	3711	786	110	88

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Horry, William S., assignor to Union Carbide Company, Niagara Falls, N. Y. Smelting compounds and producing carbid	765,888	July 26	3899	---	111	888
Horry, William S., assignor to Union Carbide Company, Niagara Falls, N. Y. Apparatus for electric heating	771,249	Oct. 4	59	14	112	974
Horry, William S., assignor to Union Carbide Company, Niagara Falls, N. Y. Apparatus for electric heating	771,250	Oct. 4	62	14	112	975
Horry, William S., and E. F. Price, assignors to Union Carbide Company, Niagara Falls, N. Y. Electric furnace	757,621	Apr. 19	2849	620 621	109	1983
Horsburg, William W. (See Rourke, William, assignor.)						
Horsefall Destructor Company. (See Newton, Diggle, and Watson, assignors.)						
Horsfall, John W., et al. (See Horsfall, William, assignor.)						
Horsfall, William, Leeds, England, assignor to J. W. Horsfall, Sing Sing, N. Y., and E. Curtis, Fryston, England. Cremating-furnace	763,562	June 28	3857	896	110	2338
Horst, George D., Jackson, Minn. Carrier for target-traps	766,997	Aug. 9	1785	374	111	1457
Horstman, Theodore. (See Ross, Napoleon B., assignor.)						
Horton, Albert J., Whiteplains, N. Y., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch and circuit-breaker	768,327	Aug. 23	4287	902	111	2045
Horton Angell Company. (See Appleton, William, assignor.)						
Horton, Charles H., Painesville, Ohio. Brick-machine	752,073	Feb. 16	2425	542 543 544	108	1615
Horton, Emmet, Elmira, N. Y. Basket-making machine	760,791	May 24	4402	936 937 938 939	110	1036
Horton, Emmet, Elmira, N. Y. Basket-making machine	765,839	July 26	3900	831 832 833	111	888
Horton, Frederick B., Lynn, Mass. Bottle-opener	752,776	Feb. 23	3773	842	108	1931
Horton, George. (See Horton, Peter D., assignor.)						
Horton, George, Washington, D. C., assignor of one-half to M. S. Horton, Newark, N. Y. Toy air-gun	765,924	July 26	4051	866	111	922
Horton, Gilbert D., Snohomish, Wash. Printing attachment for paper-rolls	778,665	Dec. 27	4365	954	113	2419
Horton, James A., Providence, R. I., assignor to Iroquois Machine Company, New York	767,274	Aug. 9	2331	488	111	1575
N. Y. Making steel wire		Oct. 25	3613	782	112	1796
Horton, James A., Providence, R. I., assignor to Iroquois Machine Company, New York	778,041	Dec. 20	3137	690 691	113	2135
N. Y. Wire-making machinery				446 447	111	488
Horton, John S., Lincoln, Del. Crate	764,945	July 12	2154			
Horton, Mary S. (See Horton, George, assignor.)						
Horton, Miner S., Rochester, N. Y. Electric controller	768,566	Aug. 23	4976	1042	111	2300
Horton, Peter D., Newark, N. Y., assignor of one-half to G. Horton, Washington, D. C. Bubble-blower	770,288	Sept. 20	3209	460	112	533
Horton, Sidney A. (See Rockwell and Horton.)						
Horton, William G., assignor to B. Kirkwood, San Francisco, Cal. Fire-escape	755,666	Mar. 29	4763	1066	109	1103
Horráth, Eugen. (See Novák, Eugen, assignor.)						
Horráth, George, assignor of one-half to M. Berger, Cleveland, Ohio. Clothes-drier	763,979	July 5	101	16	111	30
Horwood, Thomas, Westfield, Mass. Braided cord	776,842	Dec. 6	771	167	113	1596
Hosack, Lee L. (See Geltz and Hosack.)						
Hosack, Lee L. (See Geltz and Hosack.) (Reissue.)						
Hoschke, William A., New York, N. Y. Safety-tray for cards	778,314	Dec. 27	3676	802	113	2368
Hosenfeldt, Franz, Düsseldorf-Reisholz, Germany. Apparatus for loosening adhering particles from hot tubes, &c.	772,337	Oct. 18	2334	512	112	1500
Hosey, Henry. (See Blackburn, Ernest O., assignor.)						
Hosfeld, Samuel, Philadelphia, Pa. Muscle-developing finger-band	757,041	Apr. 12	1667	361	109	1713
Hoshor, Joseph C., Paterson, N. J. Conveying driving mechanism	757,116	Apr. 12	1801	394	109	1741
Hoshor, Joseph C., Paterson, N. J. Conveying driving mechanism	763,896	June 28	4500	981	110	2475
Hoshor, Joseph C., Paterson, N. J. Conveying driving mechanism	763,897	June 28	4503	981 982	110	2476
Hoshor, Joseph C., Paterson, N. J., assignor, by mesne assignments, to H. W. Gray, Jr., Boston, Mass. Convertible roller-bearing	757,115	Apr. 12	1798	394	109	1741
Hosking, Alfred, Auckland, New Zealand. Tellurian	776,911	Dec. 6	898	194	113	1624
Hoskins, Albert J., San Francisco, Cal. Flexible conduit	778,666	Dec. 27	4366	954	113	2419
Hoskins, Charles H., Perth, Western Australia, Australia. Locking-bar pipe	763,898	June 28	4504	982	110	2476
Hoskins, William, Lagrange, Ill. Treating wood for the production of paper-pulp, turpentine, &c.	770,463	Sept. 20	2509	533	112	600
Hoskins, William A., Charleston, Mo. Wheel	751,075	Feb. 2	539	126	108	1178
Hoskins, William W., Velasco, Tex. Cotton-picker	776,467	Nov. 29	5892	1244 1245	113	1399
Hosler, Frank K., and C. Fueller, Butler, Pa. Side bearing	771,550	Oct. 4	665	148 149	112	1100
Hosmer, Arthur, Fort Worth, Tex. Fountain tooth-brush	768,468	Nov. 29	5896	1245	113	1400
Hosmer, John E., Silvertown, Oreg. Foldable and portable chart	778,181	Nov. 29	5349	1131	113	1275
Hosmer, John E., Silvertown, Oreg. Indicating character	776,182	Nov. 29	5351	1131	113	1276
Hostetler, William A., Walnut, Pa. Pipe-wrench	763,099	June 21	2942	634	110	2116
Hostetter, D. B. (See Tolen, James H., assignor.)						
Hostler, James M. (See Clements and Hostler.)						
Hotaling, Calvin. (See Stoner and Hotaling.)						
Hotchin, Frank P., et al. (See Putnam, John H., assignor.)						
Hotchkin, Mabel L., New York, N. Y. Bodkin	774,585	Nov. 8	2015	439	113	464
Hotchkiss, Porter S., assignor to Electric Billiard Register Company, Lake City, Iowa. Electric billiard-register	766,353	Aug. 2	434	90, 91	111	1134
Hotchner, Joseph, Providence, R. I. Molded sign-letter	767,060	Aug. 9	1907	400	111	1485
Hotchner, Joseph, Providence, R. I. Sign	768,179	Aug. 23	4186	880	111	2023
Hotchner, Joseph, Providence, R. I. Illuminated sign	769,138	Aug. 30	6152	1286	111	2480
Hotchner, Joseph, Providence, R. I. Illuminated sign	769,139	Aug. 30	6154	1287	111	2480
Hotson, John H., New York, N. Y. Type-writing machine	751,855	Feb. 9	2902	453	108	1503
Hottinger, Friedrich. (See Soller and Hottinger.)						
Hottman, Charles W., Philadelphia, Pa. Washing-machine	760,067	May 17	2974	621	110	705
Hotze, William. (See Borgess and Hotze.)						
Houben, Theodore, Verviers, Belgium. Pneumatic-tire cover	761,491	May 31	5783	1236	110	1855
Houck, Arthur G. (See Uhri and Houck.)						
Houck, Charles L., and G. Rose, Columbus, Ohio. Lubricator	772,145	Oct. 11	1885	417	112	1873
Houdlette, Frederick A., Melrose, Mass. Coupling for conduits	764,054	July 5	279	54	111	64
Houdlette, William H., Weymouth, Mass. Automatic gate opening or closing apparatus	769,792	May 24	4420	940	110	1039
Hough, Arthur, Dover, N. J. Nitrated carbohydrate	751,076	Feb. 2	541		108	1178

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Hough, Azel C., South Butler, N. Y. Coloring-machine.	757,554	Apr. 19	2695	589	109	1948
Hough, Azel C., South Butler, N. Y. Loom for weaving slat blinds	764,290	July 5	762	156 157	111	168
Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Weave for shades, &c.	748,734	Jan. 5	338	75	108	75
Hough, Benjamin B., Philadelphia, Pa. Pump for molten metal.	760,901	May 24	4794	1020	110	1119
Hough, Herbert D., Providence, R. I., assignor to Wightman and Hough Company, Locket.	766,620	Aug. 2	985	207	111	1260
Hough, Hiram J., assignor of one-third to A. J. Linney and J. A. Wilton, Akron, Ohio. Stove or furnace fire-pot.	773,744	Nov. 1	403	88, 89	113	96
Hough, John B., Erving, Mass. Joint for chain-seat sections or similar purposes.	754,067	Mar. 8	1685	374	109	388
Hough Shade Corporation. (See Hough, Azel C., assignor.)						
Hough, William G., Jacobs Creek, Pa. Postal money-carrier.	754,218	Mar. 8	1900	440	109	452
Houghtaling, Paul A., Riverton, N. J. Ratchet mechanism.	760,206	May 17	3255	683	110	765
Houghtaling, Paul A., Riverton, N. J. Clutch.	770,641	Sept. 20	2861	608	112	678
Houghten, Arthur T. (See Linendoll and Houghten.)						
Houghton, Alanson B., assignor to Corning Glass Works, Corning, N. Y. Mold for the manufacture of lantern-globes.	763,758	June 28	4928	922	110	2418
Houghton, Charles L., Westfield, assignor of two-thirds to M. H. Whitcomb, Holyoke, Mass., and G. E. Eno, Simsbury, Conn. Brake for mill-trucks.	764,291	July 5	769	157	111	170
Houghton, Charles W., Chicago, Ill. Printing-machine.	777,898	Dec. 20	2852	628 629	113	2079
Houghton, Elijah M., Detroit, Mich. Blackleg-vaccine and making same.	778,667	Dec. 27	4367		113	2419
Houghton, Grant H., et al. (See Weaver and Houghton, assignors.)						
Houghton, James C., assignor to J. R. Hill, Washington, D. C. Automatically-locking key device.	772,885	Oct. 18	3363	731	112	1724
Houghton, Lemuel H. (See Weaver and Houghton.)						
Houghton, Lewis T., Worcester, Mass. Thread-guide support for spinning or twisting machines.	753,577	Mar. 1	695	156	109	152
Houghton, Lewis T., Worcester, Mass. Thread-guide	759,279	May 10	1439	287	110	349
Houghton, Lewis T., Worcester, Mass. Thread-guide support for spinning or twisting machines. (Reissue.)	12,263	Aug. 23	5035	1049	111	2208
Houghton, Stephen C., San Francisco, Cal. Telephone.	753,493	Mar. 1	512	118	109	113
Houghton, Stephen C., San Francisco, Cal. Tip or terminal for electric wires.	757,192	Apr. 12	1960	428	109	1778
Houghton, Stephen C., San Francisco, Cal. Binding-post.	757,809	Apr. 19	3304	696	109	2061
Houghton, Stephen C., San Francisco, Cal., and F. M. Potter, Jr., Syracuse, N. Y. Telephone attachment.	759,280	May 10	1441	287 288	110	350
Houghton, Thomas A., Grand Rapids, Mich. Machine for setting type.	777,855	Dec. 20	2760	607 608	113	2060
Houghton, Thomas A., assignor to Electro Surgical Instrument Company, Rochester, N. Y. Surgical instrument.	749,689	Jan. 12	2315	488	108	537
Houghton, Thomas A., assignor to Electro Surgical Instrument Co., Rochester, N. Y. Surgical instrument.	760,895	May 17	3590	757	110	841
Houghton, Thomas J., Granville, Vt. Railway-switch.	755,495	Mar. 22	4435	985	109	1015
Houghton, Willard, Snohomish, Wash. Feed-cutter.	759,109	May 3	1035	210	110	235
Houghton, Willard, Northbend, Wash. Cattle-guard.	761,074	May 31	4996	1060	110	1181
Houghton, Willard, Novelty, Wash. Snatch-block.	773,938	Nov. 1	817	171	113	188
Houglund, Harvey H., Cedar Rapids, Neb. Device for thinning beets.	750,856	Feb. 2	146	53	108	1089
Houplain, Georges, Paris, France. Distributing-valve for compressed-air brakes.	752,976	Feb. 23	4210	938	108	2029
Houplain, Georges E., assignor to Société Générale des Freins Lipkowski, Paris, France. Compressed-air brake.	775,141	Nov. 15	3168	673	113	746
Housberg, John W. (See Burgum, William C., assignor.)						
House, Edward O., et al. (See Mesick, Charles W., assignor.)						
House, Joseph A., near Thurston, Md. Sawing-machine.	757,745	Apr. 19	3083	672	109	2033
House, Louis, Syracuse, N. Y. Vehicle-brake.	772,101	Oct. 11	1789	397	112	1359
House, William, Syracuse, N. Y. Car-brake.	748,735	Jan. 5	340	75, 76	108	75
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine.	749,063	Jan. 5	1030	218	108	237
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Belt-shifting mechanism.	749,863	Jan. 19	2665	570 580	108	630
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Straight-knitting machine.	755,135	Mar. 22	3770	831 832	109	877
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Mechanism for forming double threads upon the soles of stockings manufactured on circular-knitting machines.	761,632	May 31	6043	1296 1297	110	1412
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Mechanism for providing rotation and reciprocation from a single driving-gear.	762,719	June 14	2198	477 478	110	1932
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Device for engaging transfer quills and needles of circular-knitting machines.	765,385	July 19	2966	621	111	677
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Tuck-stitch fabric and producing same.	766,998	Aug. 9	1786	374	111	1457
Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine.	774,473	Nov. 8	1790	386 387	113	416
Houseman, James D. (See Murphy, John J., assignor.)						
Houser, W. G. (See Baxter, Daniel N., assignor.)						
Houser, Winfield S., assignor of one-half to G. W. Tozier, Dubois, Pa. Pipe-coupling.	774,667	Nov. 8	2157	471	113	494
Housh Company. (See Housh, Frank E., assignor.)						
Housh, Frank E., assignor to Housh Company, Boston, Mass. Easel.	772,513	Oct. 18	2644	580	112	1567
Housholder, Minnie, Chicago, Ill. Lavatory or shampooing bowl.	758,447	Apr. 26	4472	961	109	2359
Houston, Abraham L., Bellaire, Ohio. Grate and flue therefor.	753,263	Mar. 1	95	24	109	24
Houston, David H. (See Powelson and Erb, assignors.)						
Houston, Julius C., Yazoo City, Miss. Lifting-jack.	767,275	Aug. 9	2332	488	111	1575
Houston, Percival T., London, England. Indicating the flow of lubricants in forced lubricating systems.	769,161	Sept. 6	45	11	112	12
Houston, Percy, St. Louis, Mo. Indicating the flow of lubricants in forced lubricating systems.	770,370	Sept. 20	2355	497	112	567
Hout, William W., Cortland, N. Y. Welding-flux.	759,526	May 10	1923		110	456
Houts, James E., et al. (See Thompson and Hovenden, assignors.)						
Hovas, John, New York, N. Y. Dumping-cart.	749,559	Jan. 12	2077	432	108	463
Hove, Ole, Ellsworth, Wis. Engine-governor.	750,649	Jan. 26	4139	998	108	963
Hovenden, George and H. A., Peoria, Ill. Nail-extractor.	777,210	Dec. 13	1475	326	113	1769
Hovenden, Hiram A. (See Hovenden, George and H. A.)						
Hovenden, Walter H. (See Thompson and Hovenden.)						
Hovenden, Walter H., Salt Lake City, Utah. Convertible car.	770,464	Sept. 20	2512	533 534	112	601

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Hovey, Charles C., Bainbridge, N. Y. Apparatus for canning food.....	756,637	Apr. 5	839	181 182	109	1520
Hovey, George I. (See Hoffman, Augustus, assignor.)						
Hovey, George I. (See Phares, William W., assignor.)						
Hovland, Jacob S., Chicago, Ill. Glazier's hammer.....	752,454	Feb. 16	3152	702	108	1777
How, Fred B., Winthrop, Mass. Machine for making type-writer ribbons.....	760,123	May 17	3088	646	110	730
How, George H., Chicago, Ill. Infant-incubator.....	760,124	May 17	3090	646	110	730
Howard, Alfred E., assignor to A. E. Howard, Detroit, Mich. Gas-burner.....	759,612	May 10	3089	429	110	490
Howard, Amy E. (See Howard, Alfred E., assignor.)	748,607	Jan. 5	94	24, 25	108	22
Howard, Charles P. and F. E., Hartford, Conn., assignors to James L. Howard & Company. Operating device for double doors.....	776,397	Nov. 29	5754	1218	113	1367
Howard, Charles S., assignor to Draper Company, Hopedale, Mass. Separating means for metallic loom-heddles.....	761,677	June 7	110	19	110	1465
Howard, Clarence H. (See Floyd and Howard.)						
Howard, Clarence H., assignor to American Steel-Body Double-Bolster Co., St. Louis, Mo. Railway-car.....	774,474	Nov. 8	1797	388	113	418
Howard, Corwin F. (See Howard, Perkins E. and C. F.)						
Howard, Edgar F., Stillmore, Ga. Monkey-wrench.....	753,396	Mar. 1	324	73	109	73
Howard, Edgar P., Brockton, Mass. Apparatus for making shades.....	764,848	July 12	1956	408	111	444
Howard, Ernest G., assignor to Chapman Valve Manufacturing Company, Springfield, Mass. Motor-driven valve mechanism.....	777,372	Dec. 13	1779	396	113	1836
Howard, Ernest G., assignor to Chapman Valve Manufacturing Company, Springfield, Mass. Motor-driven valve.....	777,373	Dec. 13	1782	396	113	1837
Howard, Ernest G., assignor to Chapman Valve Manufacturing Company, Springfield, Mass. Motor-disconnecting mechanism for valves.....	777,374	Dec. 13	1786	396	113	1837
Howard, Frank, New York, N. Y. Bulletin-board.....	778,490	Dec. 27	4043	881	113	2347
Howard, Frank A., Fresno, Cal. Nut-lock.....	750,364	Jan. 26	3612	783	108	855
Howard, Frank E. (See Howard, Charles P. and F. E.)						
Howard, Frank S., Lombard, Ill. Device for attaching flexible materials to roofs and sides of buildings.....	757,193	Apr. 12	1960	428	109	1779
Howard, Frederick F., Marquette, Mich. Cosmetic cut-off for conductor-pipes.....	763,732	July 26	3685	786	111	843
Howard, Genevieve, Franklin, Mass. Tooth-brush rack.....	768,456	Aug. 23	4748	995	111	2153
Howard, George T., Lagrange, assignor of one-half to W. J. Applegate, Chicago, Ill. Artificial fuel.....	751,172	Feb. 2	727		108	1213
Howard, George W., New London, Conn. Sash-cord fastener.....	755,136	Mar. 22	3781	832	109	879
Howard, Henry G. M., Kalamazoo, Mich. Angle-steel.....	748,736	Jan. 5	343	76	108	78
Howard, Henry J. M., Washington, D. C. Hose-rack.....	765,465	July 19	3190	667	111	728
Howard, Horatio T., Hebron, Ind. Fishing-reel.....	778,244	Dec. 27	3532	775	113	2328
Howard, James B., Atlantic City, N. J. Hub-guard for wheels.....	753,264	Mar. 1	96	25	109	24
Howard, James B., Atlantic City, N. J. Wheel-guard.....	753,265	Mar. 1	97	25	109	24
Howard, James H., Eatonton, Ga. Fertilizer-distributor.....	770,174	Sept. 13	1946	415	112	454
Howard, James H., Kansas City, Kans. Burglar-alarm.....	773,745	Nov. 1	405	89	113	96
Howard, James H., Kansas City, Kans. Street-car signal.....	776,843	Dec. 6	772	108	113	1506
Howard, John H. (See Mehrten and Howard.)						
Howard, Joseph W., and R. M. McKee, Greeneville, Tenn. Index-case equipment for delivery of mail.....	765,893	July 26	3994	852 853	111	909
Howard Miniature Lamp Company. (See Harper, Harvey W., assignor.)						
Howard, Perkins E., Hitchcock, Okla. Ter., and C. F. Howard, Deepwater, Mo. Animal-feeder.....	776,912	Dec. 6	900	194	113	1625
Howard, Robert W. (See Chaplin, Orrell R., assignor.)						
Howard, Robert W., et al. (See Crowell, Luther C., assignor.)						
Howard, Thomas, Fall River, Mass. Device for stopping looms.....	778,453	Dec. 27	3663	862	113	2330
Howard, Van Sittart, Sidcup, and A. E. H. Marescaux, London, England. Apparatus for taking soundings and indicating the depths thereof.....	771,639	Oct. 4	827	185	112	1136
Howarth, Harry A. S., Sewickley, Pa. Gas-burning fireplace-stove.....	775,656	Nov. 22	4321	912	113	1080
Howden Company, J. J. (See Gray, Frank, assignor.)						
Howden, William N., Denver, Colo., assignor of one-half to G. F. Cutter, St. Louis, Mo. Embroidery hoop or ring.....	758,535	Apr. 26	4644	1000	109	2397
Howe, Andrew, Olema, Cal. Reading-stand.....	752,977	Feb. 23	4212	938	108	2030
Howe, Benjamin J. C., Indianapolis, Ind. Device for the conversion of motion.....	761,173	May 31	5187	1102	110	1223
Howe, Charles H., Leominster, Mass. Comb.....	756,367	Apr. 5	361	73	109	1420
Howe and Davidson Company. (See Davidson, Frank B., assignor.)						
Howe and Davidson Company. (See Graham, Joel C., assignor.)						
Howe and Davidson Company. (See Shotts, Harry F., assignor.)						
Howe, Edgar, Everett, Wash. Supplemental car-step.....	760,990	May 24	4792	1019	110	1119
Howe, Edward A., New York, N. Y. Hat-frame-forming device.....	759,996	May 17	2840	594	110	674
Howe, Edward A., New York, N. Y. Hat-frame-forming device.....	760,068	May 17	2975	622	110	705
Howe, Edward P., assignor to Chase-Shawmut Co., Newburyport, Mass. Rail-bond.....	775,082	Nov. 15	3045	648	113	720
Howe, Elbridge G., Millbury, Mass. Bottle-stopper.....	749,063	Jan. 5	1034	219	108	238
Howe, Frank D., Bayside, N. Y. Driving mechanism.....	760,628	May 24	4061	863 864	110	964
Howe, Frank H., Curtice, Ohio. Car-door operating and locking device.....	766,253	Aug. 2	230	45	111	1091
Howe, Fred B., Burlington, Vt. Window-screen.....	765,620	July 19	3429	723	111	777
Howe, George M. (See Maier and Howe.)						
Howe, Harry, Toledo, Ohio. Car-fender.....	757,746	Apr. 19	3084	672	109	2034
Howe, Henry M., assignor to Eimer and Amend, New York, N. Y. Electric furnace.....	778,194	Dec. 20	3430	754	113	2196
Howe, Henry W., Mexico, Mexico. Car-fender.....	766,999	Aug. 9	1788	575	111	1458
Howe, John C., assignor of one-half to C. R. Prouse and D. M. Maroney, Indianapolis, Ind. Automatic fire-alarm system.....	765,386	July 19	2968	621	111	678
Howe, Mortimer A., Tacoma, Wash. Bank-check, record-book, and binder.....	775,821	Nov. 22	4633	962	113	1096
Howe, Orlando B., Lanark, Ill. Fire-escape.....	771,251	Oct. 4	66	14	112	976
Howe, Orlando B., Lanark, Ill. Fire-escape.....	775,704	Nov. 22	4414	931	113	1049
Howe, Orwin E., Washington, D. C. Sash holder and lock.....	754,452	Mar. 15	2495	543	109	580
Howe, William F., Chicago, Ill. Variable-speed power-transmitting device.....	771,150	Sept. 27	3876	817 818	112	920
Howe, William F., Chicago, Ill. Variable-speed power-transmission device.....	777,343	Dec. 13	1727	382 383	113	1825
Howe, William R., New York, N. Y. Vehicle-tire.....	771,640	Oct. 4	820	186	112	1187
Howell, Charles B., and A. C. De Wae, Campbell Hall, N. Y. Can.....	756,638	Apr. 5	841	182	109	1520
Howell, Charles W., Jr., Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar segment for type-writers.....	753,397	Mar. 1	325	74	109	73

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Howell, Clark, <i>et al.</i> (See Estes, William B., assignor.)						
Howell, David H. (See Jacquemin, Eugene, assignor.)						
Howell, Edward, assignor of one-half to J. C. Sill, Murphysboro, Ill. Wrench	737,747	Apr. 19	3086	673	109	2084
Howell, Edward B., Butte, Mont. Pneumatic brush	763,100	June 21	2943	634	110	2116
Howell, Frank A., New York, N. Y. Fireproof door	758,316	Apr. 26	4219	907	109	2303
Howell, Frank C., Bridgehampton, N. Y. Fruit-picker	733,885	Mar. 8	1340	301	109	309
Howell, George W., Covington, Ky. Pipe cut-off	772,939	Oct. 25	3475	753	112	1766
Howell, George W., Covington, Ky. Sign	778,748	Dec. 27	4501	986	113	2448
Howell, Israel G., Hopewell, N. J. Horseshoe	777,022	Dec. 6	1126	244	113	1677
Howell, John A., Washington, D. C. Massage instrument	753,653	May 8	87	18	110	23
Howell, John W., Newark, N. J., assignor to General Electric Company. Tube-coating machine	755,777	Mar. 29	5014	1115	109	1159
Howell, John W., Newark, N. J., assignor to General Electric Company. Photometric apparatus	756,963	Apr. 12	1490	328	109	1675
Howell, Will S., and W. C. McKenzie, Moultrie, Ga. Cow-milking machine	777,102	Dec. 13	1277	281	113	1727
Howell, William E., assignor of one-half to C. C. Dean, San Francisco, Cal. Combination cuff and wristband	771,730	Oct. 4	990	222	112	1171
Howells, Joseph C., Sr., Summit, N. J. Glass or earthenware vessel	759,889	May 17	2629	550	110	625
Howells, Joseph C., Sr., Summit, N. J. Domino	778,245	Dec. 27	3532	775	113	2238
Hower, Milton O., Akron, Ohio. Clinker-catcher	776,591	Dec. 6	243	54	113	1483
Hoves, Thomas A., Eola, Ill. Currycomb	749,064	Jan. 5	1036	219	108	239
Howland, Chauncey W., assignor to Standard Optical Company, Geneva, N. Y. Machine for truing rotary grindstones	769,945	Sept. 13	1543	329	112	365
Howland, Henry S. (See De Voll, Charles H., assignor.)						
Howland, Matthew M., Providence, R. I. Hook	757,117	Apr. 12	1803	394	109	1742
Howland-Sherman, Charles H., Baltimore, Md., assignor to Howland-Sherman Manufacturing Company, Wilmington, Del., and Baltimore, Md. Connecting-rod or pitman	754,653	Mar. 15	2891	632	109	664
Howland-Sherman, Charles H., Baltimore, Md., assignor to Howland-Sherman Manufacturing Company, Wilmington, Del. Crane	758,254	Apr. 26	4080	883	109	2371
Howland-Sherman, Charles H., Washington, D. C., assignor to Howland-Sherman Manufacturing Company, Wilmington, Del., and Baltimore, Md. Angular pedestal	754,871	Mar. 15	3311	732	109	758
Howland-Sherman Manufacturing Company. (See Howland-Sherman, Charles H., assignor.)						
Howson, Harry B., <i>et al.</i> (See Burdett, Frank, assignor.)						
Howson & Howson, trustees. (See Northrup, Walter, assignor.)						
Howze, William, assignor of one-half to T. F. Moore, Cairo, Ga. Hoe	773,256	Oct. 25	4973	903	112	1950
Hoxie, Elmer E., Edmeston, N. Y. Hoe	750,857	Feb. 2	147	34	108	1099
Hoxie, George L., assignor of one-half to A. W. Smith, Adrian, Mich. Wire-clamping device	755,006	Mar. 22	3559	780	109	889
Hoxie, Vernon, assignor to Lamb Wire Fence Company, Adrian, Mich. Winding mechanism for fabric-machines	766,621	Aug. 2	986	207	111	1260
Hoxie, Vernon, assignor to Lamb Wire Fence Co., Adrian, Mich. Weft-magazine for wire-fence looms	771,151	Sept. 27	3881	818	112	921
Hoxie, William D., New York, N. Y. Steam-generator	769,162	Sept. 6	46	11	112	13
Hoy, Clue. (See Lee, Yan P., assignor.)						
Hoy, Henry A., Bolton, England. Bogie-truck for rolling-stock	757,027	Apr. 19	3424	741	109	2109
Hoy, Sidney D., Sioux City, Iowa. Miter-box	752,978	Feb. 23	4713	938	108	2030
Hoy, Sidney D., Sioux City, Iowa. Miter-box	768,437	Aug. 23	4249	996	111	2153
Hoy, William E., Cincinnati, Ohio. Puzzle-ball	766,444	Aug. 2	594	126	111	1170
Hoyer, Charles E., Komstad, S. D. Shoe or furrow-opener	772,146	Oct. 11	1886	418	112	1378
Hoyer, Henry L., Butte, Mont. Window-frame	763,287	June 21	3303	714	110	2196
Hoyte, George E., Leominster, assignor of one-half to A. L. Crowell, Boston, Mass., and R. S. Case, Unionville, Conn. Compressed reed for weaving, &c.	768,855	Aug. 30	5593	1174	111	2356
Hoyte, George E., Leominster, assignor of one-half to A. L. Crowell, Boston, Mass., and R. S. Case, Unionville, Conn. Compressed reed for weaving, &c.	769,938	Sept. 6	491	109	112	112
Hoyte, George W., Cloverdale, Cal. Harrow	767,890	Aug. 16	3523	746	111	1857
Hoyte, Harrison B., Worcester, Mass. Spinning-ring	757,748	Apr. 19	3087	672	109	2034
Hoyte, Harrison B., Worcester, Mass. Spinning-ring	765,241	July 19	2683	558	111	617
Hoyte, Harrison B., Worcester, Mass. Spinning-ring	771,152	Sept. 27	3883	819	112	922
Hoyos, Hans G., Hanover, Germany. Inflatable boot-tree	763,489	June 28	3724	802	110	2309
Hoyt, A. O. (See Kelsey, Benjamin F., assignor.)						
Hoyt, Charles A. (See Edmands and Hoyt.)						
Hoyt, Edward J. (See Fraser and Hoyt.)						
Hoyt, Frances M. and G., New York, N. Y. Appliance for floral decorations	777,419	Dec. 13	1870	412	113	1856
Hoyt, Frederick A. (See Crawford, Harvey F., assignor.)						
Hoyt, Frederick J., Chicago, Ill. Hydraulic gold-mining	749,197	Jan. 12	1320	283	108	324
Hoyt, Frederick J., Chicago, Ill. Amalgamating-machine	770,289	Sept. 20	2311	461	112	533
Hoyt, Frederick J., Chicago, Ill. Amalgamating-machine	770,290	Sept. 20	2312	461	112	534
Hoyt, Frederick J., Redlands, Cal. Dry-sand amalgamator	767,276	Aug. 9	2335	488	111	1576
Hoyt, Grace. (See Hoyt, Frances M. and G.)						
Hoyt, Hiram L., Clearwater, Neb. Fly-brush for doors	770,906	Sept. 27	3389	715	112	813
Hoyt, James A., Scotia, N. Y. Mop-wringer	755,778	Mar. 29	5016	1115	109	1160
Hoyt, James T., New York, N. Y. Package or sheets of toilet-paper and cabinet therefor	749,965	Jan. 19	2866	612	108	673
Hoyt, June, <i>et al.</i> (See Edmands and Hoyt, assignors.)						
Hoyt, William E., New York, N. Y. Shaft-supporter	749,991	Jan. 19	2930	624	108	686
Hoyt, William E., New York, N. Y. Sad-iron	751,268	Feb. 2	961	219	108	1261
Hrauda, Carl L., Crouch End, England. Combined book-marker and leaf-holder	756,115	Mar. 29	5644	1250	109	1304
Hren, Josef, Brooklyn, N. Y. Ruling device	752,556	Feb. 16	3340	743	108	1819
Hubbard, Elmer W., U. S. Army, assignor to W. & L. E. Gurley, Troy, N. Y. Automatic gunnery-correcting device	777,508	Dec. 13	2040	449	113	1893
Hubbard, George A., Chicago, Ill. Core compound	764,849	July 12	1957	583	111	454
Hubbard, George J., Fort Jervis, N. Y. Emergency-coupling	770,564	Sept. 20	2750	583	112	664
Hubbard, Joseph R., Trimble, Mo. Rail-tie	750,110	Jan. 19	3143	676	108	732
Hubbard, Orril L., Waukesha, Wis., assignor of one-half to J. J. McMahon, Lake Villa, Ill. Puzzle	753,966	Mar. 1	99	25	109	25
Hubbard, Richard W., Ashtabula, Ohio. Door-check	750,650	Jan. 26	4141	899	108	964
Hubbard, Richard W., Ashtabula, Ohio. Hinge	753,890	May 17	2630	550	110	625
Hubbard, Richard W., Ashtabula, Ohio. Door-check	772,514	Oct. 18	2645	581	112	1568
Hubbard, William S., New York, N. Y. Bandage-rest	765,733	July 29	3887	786	111	844
Hubbell, Harry C., Brooklyn, assignor to H. W. Fuller, New York, N. Y. Portable electric lamp	753,138	Feb. 23	4497	1001	108	2093

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Hubbell, Harvey, Bridgeport, Conn. Shade-holder	753,077	Feb. 23	4397	978	108	2072
Hubbell, Harvey, Bridgeport, Conn. Separable attachment-plug	774,350	Nov. 8	1389	327	113	330
Hubbell, Harvey, Bridgeport, Conn. Separable attachment-plug	774,351	Nov. 8	1391	327	113	330
Hubbell, Harvey, Bridgeport, Conn. Multiple attachment-plug	776,326	Nov. 29	5608	1189	113	1333
Hubbell, James E. (See Wilcox, William F., assignor.)						
Hubbell, Joseph H., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Oil-press	773,393	Oct. 25	4555	963	112	2011
Hubbell, Orra, Indianapolis, Ind. Cooking retort or kettle	757,555	Apr. 19	2638	590	109	1949
Hubbell, Thomas J., Pomona, Cal. Plow	750,180	May 3	1169	238	110	266
Hubbell, Thomas J., assignor of three-elevenths to H. C. Norris and C. E. Norton, Los Angeles, Cal. Combined cultivator, weeder, and furrow-maker	748,737	Jan. 5	344	76	108	76
Huber, Edward, Marion, Ohio. Operating device for folding straw-stackers	762,532	June 14	1813	390	110	1852
Huber, Edward, Marion, and D. L. Foster, Crestline, Ohio. Grain-car door	769,609	Sept. 6	496	194	112	2033
Huber, Edward, and T. D. Ulrich, Marion, Ohio. Straw-stacker	771,641	Oct. 4	531	187	112	1137
Huber, Edward, and T. D. Ulrich, assignors to Huber Manufacturing Company, Marion, Ohio. Superheater for traction-engines	778,315	Dec. 27	3677	802	113	2268
Huber, Ernst, Brooklyn, N. Y., assignor of four-fifths to M. C. Wick, Youngstown, Ohio, and S. V. Huber, Pittsburg, Pa. Impact-motor	770,291	Sept. 20	2213	461	112	534
Huber, Firm of Andreas. (See Sattler, Heinrich, assignor.)						
Huber, Gautlieb. (See Beasley and Huber.)						
Huber, George A., St. Louis, Mo. Hand-punch	768,126	Aug. 23	4089	861	111	2003
Huber, Gustav A., Mounthope, N. Y. Signaling	759,281	May 10	1444	288	110	350
Huber-Hodgman Printing Press Company. (See Hall, Bicknell, assignor.)						
Huber-Hodgman Printing Press Company. (See Hall, Bicknell, assignor.) (Reissue.)						
Huber Manufacturing Company. (See Huber and Ulrich, assignors.)						
Huber, Rudolf A. E., and H. H. C. Behn-Eschenburg, Zurich, assignors to Maschinen-fabrik Oerlikon, Oerlikon, Switzerland. Electric railway	754,565	Mar. 15	2714	590	109	628
Huber, S. V., et al. (See Huber, Ernst, assignor.)						
Huber, Sigmund V., Pittsburg, Pa. Feed-table for rolling-mills	751,733	Feb. 9	1757	399	108	1450
Huber, Sigmund V., Pittsburg, Pa. Feed mechanism for rolling-mills	764,850	July 12	1958	440	111	445
Huber, Sigmund V., Pittsburg, Pa. Piling mechanism	768,050	Aug. 23	3891	816	111	1956
Huber, Sigmund V., Pittsburg, Pa. Rolling-mill table	773,257	Oct. 25	4275	904	112	1950
Huber, Sigmund V., Pittsburg, Pa. Shear mechanism	777,257	Dec. 13	1556	347	113	1787
Huber, Sigmund V., Pittsburg, Pa. Valve mechanism for furnaces	777,509	Dec. 13	2048	451	113	1893
Hubert, Conrad, New York, N. Y. Portable electric light	762,720	June 14	2201	478	110	1935
Hubert, Conrad, New York, N. Y. Portable light	777,510	Dec. 13	2050	451	113	1895
Hubert, Henry, New York, N. Y. Bung-block	776,118	Apr. 12	1804	393	109	1742
Huberti, Fritz, Weehawken, N. J. Antirattack device for window-sashes	758,075	Apr. 26	3736	811	109	2194
Hübner, Josef. (See Mayer and Hübner.)						
Hubrich, Wilhelm, Berlin, Germany. Manufacture of turned shoes	769,163	Sept. 6	48	12	112	13
Huck, Benjamin J., Independence, Ia. Grass-destroyer	749,292	Jan. 12	1523	323	108	866
Hucks, William, Jr., Camden-Town, London, England. Apparatus for aerating liquids or charging them with gas	751,397	Feb. 2	1150	262	108	1302
Huddle, Clinton L., North Baltimore, Ohio. Combined collapsible tube and spreader	749,486	Jan. 12	1943	403	108	453
Hudlemeyer, John, and T. S. Rippey, Liberty, Mo. Sod-cutter	776,844	Dec. 6	775	168	113	1596
Hudson, Benjamin F., Oklahoma, assignor of one-half to L. M. Turcotte, Erick, Okla. Ter. Bridge-pier	772,615	Oct. 18	2826	621	112	1607
Hudson, Charles F., I. H. Kniberg, and S. L. Siegel, assignors to Sumner Manufacturing Company, Boston, Mass. Apparatus for mixing and kneading dough	770,859	Sept. 27	3297	695	112	722
Hudson, Charles R., Warren, Ind. Measuring apparatus	757,810	Apr. 19	3206	696	109	2061
Hudson, Clifford C. (See Lindsey, McConnell, and Hudson.)						
Hudson, Edmund, Templeton, Mass. Engine-governor	748,738	Jan. 5	345	76	108	77
Hudson, Frank W., Chicago, Ill., assignor, by mesne assignments, to American Brake Shoe & Foundry Company, New York, N. Y. Molding-machine	772,042	Oct. 11	1666	372	112	1330
Hudson, George M., Birmingham, Ala. Ink-well	769,825	Sept. 13	1316	281	112	317
Hudson, Joseph E., Toledo, Ohio. Pumping-lever	774,475	Nov. 8	1799	388	113	418
Hudson, Julian W. (See Jackson, Samuel W., assignor.)						
Hudson Machine and Pneumatic Tool Co. (See Funk, Richard W., assignor.)						
Hudson, Millard F., Los Angeles, Cal. Wrench	759,813	May 10	2474	518	110	575
Hudson, Peter, assignor of one-half to F. Powers, Vincennes, Ind. Stump-puller	760,951	Aug. 9	1705	357	111	1440
Hudson, Samuel, Los Angeles, Cal. Hair-drier	765,894	July 26	3996	853	111	909
Hudson, Thomas, and J. A. Duncan, Sherbrooke, Canada. Friction let-off mechanism for looms	778,668	Dec. 27	4968	954	113	2419
Hudson, Walter J. (See Ebel and Hudson.)						
Hudson, William T., Atlanta, Ga. Candy-working machine	752,226	Feb. 16	2708	598	108	1679
Hudson, William T., Atlanta, Ga. Candy-working machine	752,227	Feb. 16	2704	598	108	1680
Huebner, Irwin F. (See Keller and Bowers, assignors.)						
Huefner, John F., New York, N. Y. Making a salve	753,267	Mar. 1	101		109	25
Huehner, Frederick A., Chicago, Ill. Machine for treating feathers	727,729	Dec. 20	2476	546	113	2002
Huester, Henry F., St. Paul, Minn. Binder	767,277	Aug. 9	2336	499	111	1576
Huenefeld, Ernest H. (See Tucker, Andrew P., assignor.)						
Huenefeld, Ernest H. (See Carter, John R., assignor.)						
Huenefeld, Ernest H. (See Hausfeld, Joseph E., assignor.)						
Huenegardt, Isaac B., Hillsboro, Kans. Stock-tank	777,950	Dec. 20	2965	652	113	2100
Huenzi, John, Chicago, Ill. Nozzle	749,608	Jan. 5	95	35	108	22
Huening, Henry J., Chicago, Ill. Rod-grasping arm or handle	757,118	Apr. 12	1962	429	109	1772
Huerth, Mathias, and O. F. Olson, Oregon City, Ore. Wire or cable stretcher	752,621	Feb. 16	3488	777	108	1851
Huesman, John H. (See Ingle, Thomas G., assignor.)						
Huettl, Robert W. (See Otis and Huettl.)						
Huff, Charles M., Watkinsville, assignor of one-half to E. S. Dobbins, Bishop, Ga. Combined fertilizer-distributor and cotton-seed planter	768,802	Aug. 30	5467	1151	111	2328
Huff, Henry H., Boston, Mass. Rod-grasping arm or handle	757,195	Apr. 12	1964	428	109	1779
Huff, Henry H., Boston, Mass., assignor to Huff Locomotive Appliance Company, Kittery, Me. Furnace-door	755,007	Mar. 22	3561	780	109	829
Huff, Henry H., assignor of one-half to S. P. Burton, Jr., Boston, Mass. Apparatus for burning fuel	772,147	Oct. 11	1887	418	112	1378
Huff Locomotive Appliance Company. (See Huff, Henry H., assignor.)						
Huffelmann, Wilhelm, Duisburg, Germany. Making briquets	748,739	Jan. 5	347	77	108	77
Huffman, Elijah H., Wilmington, Ind. Folding table	764,359	July 5	914	186	111	201
Huffman, H. G., et al. (See Stouffer, Hiram C., assignor.)						
Huffman, James E., Kirbyville, Tex. Gate-latch	776,398	Nov. 29	5757	1218	113	1368

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Huffman, Oscar. (See Reed, Stephen, assignor.)						
Huffmaster, Charles A., San Leandro, Cal. Steam-dome and breeching	770,465	Sept. 20	2515	534	112	601
Hufnagel, Karl, Silberbütte-Anhalt, Germany, assignor to E. H. Wagner, New York, N. Y. Pyrotechnical compound.	775,822	Nov. 22	4635	-----	113	1096
Hughart, William O., Jr., et al. (See Warner, Isaac M., assignor.)						
Hughes, Albert E., Darien, Conn. Soap tablet	766,254	Aug. 2	231	-----	111	1091
Hughes, Burt. (See Lukens and Hughes.)						
Hughes, Charles C., Baltimore, Md. Telephone-box	766,354	Aug. 2	429	91	111	1135
Hughes, David E., San Diego, Cal. Conveyor	774,476	Nov. 8	1800	388 389	113	419
Hughes, Frederick G., Bethlehem, assignor to Bethlehem Steel Company, South Bethlehem, Pa. Elevating and traversing gear for field-gun carriages	770,965	Sept. 27	3508	739	112	842
Hughes, George A., Atoka, Ky. Storm-apron	757,749	Apr. 19	3089	673	109	2034
Hughes, Harry. (See Stewart and Hughes.)						
Hughes, Henry B., Wichita Falls, Tex. Sash-lock	774,178	Nov. 8	1264	268	113	302
Hughes, Henry E. (See Hughes, James J. and H. E.)						
Hughes, Henry F., New York, assignor to Standard Stamping & Die Co., Brooklyn, N. Y. Glass-cutter	766,827	Aug. 9	1455	304 515	111	1384
Hughes, Herbert H., St. Louis, Mo. Means for preventing smoke	749,734	Jan. 19	2428	516	108	578
Hughes, Hugh T., Frankfort, assignor of one-half to J. Murray, Utica, N. Y. Nut-lock	764,591	July 12	1421	291	111	327
Hughes, James, Mount Vernon, Iowa. Elevated-railway switch	775,300	Nov. 22	3544	747	113	857
Hughes, James F., Lonegrove, Tex. Windmill	765,010	July 12	2260	467	111	510
Hughes, James F., Hutchinson, Minn. Combination-furnace	771,823	Oct. 11	1192	263 266	112	1229
Hughes, James J. and H. E. Central Falls, R. I. Spindle and bearing	778,246	Dec. 27	3533	775	113	2238
Hughes, Johnson, Wissahickon, Pa. Bar-head-forging mechanism	776,845	Dec. 6	776	169	113	1597
Hughes, Judson, assignor of one-half to F. H. Knowlton, Fremont, Nebr. Roller-guide for leather-stitching machines	751,398	Feb. 2	1151	263	108	1302
Hughes, Lafayette A. (See Leister and Hughes.)						
Hughes, Nathan B., Brooklyn, N. Y. Fare-register	760,629	May 24	4064	964	110	965
Hughes, Nelson, Portland, Oreg. Portable surfacing-machine	768,366	Aug. 23	4551	956	111	2104
Hughes, Robert, Mount Vernon, N. Y. Ice-hook	764,946	July 12	2155	447	111	489
Hughes, Robert J. H., Duquesne, Pa. Clip for fastening shoe-laces	776,469	Nov. 29	5897	1246	113	1400
Hughes, Robert M., assignor of one-half to F. H. Atkinson, Cadiz, Ohio. Fluid-pressure cut-off and alarm						
Hughes, Samuel, Summerville, S. C. Pulverizing-machine	757,119	Apr. 12	1805	395	109	1742
Hughes, Samuel, Summerville, S. C. Journal box or bearing for roll-shafts	756,904	Apr. 12	1495	329	109	1677
Hughes, Samuel, Summerville, S. C. Pulverizing-machine	763,399	June 28	3554	765	110	2274
Hughes, Samuel, Summerville, S. C. Pulverizing-machine	777,787	Dec. 20	2593	573	113	2026
Hughes, Stanley, Randolph, Wis. Muffler	772,148	Oct. 11	1889	419	112	1379
Hughes, Wallace B., assignor of one-third to J. Samuels, Dallas, Tex. Wire fence	757,598	Apr. 19	3496	741	109	2110
Hughes, William B., Philadelphia, Pa. Manufacture of billets	778,195	Dec. 20	3432	754 755	113	2197
Hughes, William B., Wissahickon, Pa. Poker for gas-producers	778,827	Dec. 27	4669	1021	113	2486
Hughes, William G., Pittsburg, Pa. Mantle and support	751,856	Feb. 9	2006	454	108	1505
Hughes, William H., Cleveland, Ohio. Steam-expansion engine	771,551	Oct. 4	667	149	112	1100
Hughes, William H., New York, N. Y. Incubator	774,076	Nov. 1	1077	820 821	113	243
Huguet, William, L. Minart, and F. Miron, Paris, France. Submarine vessel	773,146	Oct. 25	4039	855	112	1898
Huguley, Adam E., Henry, Okla. Ter. Animal-trap	760,738	May 24	4308	915	110	1016
Huguley, Adam E., Henry, Okla. Ter. Mirror-lock	760,739	May 24	4310	915	110	1016
Hugunnin, Robert E., New Haven, Conn. Sash-lock and striker	768,980	July 5	102	16	111	31
Huhn, Anthony. (See Stravs and Jager, assignors.)						
Huhn, Hermann, Macon, Ga. Chain-clamp	762,060	June 7	862	177	110	1634
Huhnsman, August W., Staunton, Ill. Hose, rod, or pipe coupling	757,929	Apr. 19	3428	742	109	2110
Huibregtse, Low, Oostburg, Wis. Cheese-cutter	756,499	Apr. 5	610	182	109	1471
Hulback, Oliver, Crookston, Minn. Roll note-book	750,651	Jan. 26	414	899	108	964
Hulbert, Harry E. (See Glover and Hulbert.)						
Hulbert, John L., and I. L. Park, Holland Patent, N. Y. Milking-machine	754,453	Mar. 15	2496	543	109	551
Hulett, George H. (See Seaver and Hulett.)						
Hulett, George H., Cleveland, Ohio. Unloading apparatus	760,358	May 24	3874	822	110	924
Hulin, Paul L., Clavaux, par Riouperoux, France. Treating matters in fusion	754,566	Mar. 15	2716	591	109	628
Hull, Alfred A., Knoxville, Tenn., assignor to Draper Company, Hopedale, Mass. Thread-cutting loom-temple	766,501	Aug. 2	735	153	111	1201
Hull, Dorothea C., Brooklyn, N. Y. Closure for bottles, jars, or other receptacles	770,751	Sept. 27	3067	652	112	741
Hull, Foster J. (See Dement and Hull.)						
Hull, Foster J., assignor to C. P. Norcross, New York, N. Y. Fare-register	760,125	May 17	3092	646 647	110	731
Hull, Francis B. (See Ansley, John B., assignor.)						
Hull, Henrietta M., Detroit, Mich. Collapsible carriage	748,869	Jan. 5	598	135	108	134
Hull, Herbert H., assignor to Hull Key Can Company, Cleveland, Ohio. Wiring-machine	776,592	Dec. 6	244	54.35	113	1483
Hull, Joseph P., Easton, Del. Fastener for carpets or the like	761,174	May 31	5189	1102	110	1223
Hull, Mathew B., assignor to Rex Buggy Company, Connerville, Ind. Storm-shield for vehicles	756,021	Sept. 29	5490	1211	109	1367
Hull, Oliver W., Battlereck, Mich. Dress-shield	770,752	Sept. 27	3069	652	112	742
Hull, Wolcott A., New York, N. Y. Coupling	778,491	Dec. 27	4045	881	113	2347
Hullhorst, William G. (See Bigelow and Hullhorst.)						
Hullhorst, William G., Toledo, Ohio. Instrument-holder for dentists	774,879	Nov. 15	2635	566	113	623
Hullings, George F., Washington, D. C. Drying and stretching frame for lace curtains	757,930	Apr. 19	3431	742	109	2111
Hulquist, Andrew D., assignor to J. S. McDonald, Chicago, Ill. Lock for the adjustable backs of loose-leaved ledgers, account-books, &c.	749,560	Jan. 12	2078	432	108	487
Hulquist, Andrew D., assignor to J. S. McDonald, Chicago, Ill. Lock for the adjustable backs of loose-leaved ledgers, account-books, record-books, files, &c.	749,992	Jan. 19	2921	624	108	686
Hulquist, Andrew D., assignor to J. S. McDonald, Chicago, Ill. Lock for the adjustable back-frames of account-books	751,646	Feb. 9	1593	362	108	1416
Hulquist, Andrew D., assignor to J. S. McDonald, Chicago, Ill. Telescopic spring-post for loose-leaved books, &c.	753,216	Feb. 23	4652	1035	108	2128
Hulquist, Andrew D., assignor to J. S. McDonald, Chicago, Ill. Combined sectional post and lock	755,008	Mar. 22	3562	781	109	829
Hulscher, William T., Battlereck, Mich. Baling-press	773,325	Oct. 25	4404	985	112	1976
Hülsmeier, Christian, Düsseldorf, Germany. Telephonogram apparatus	766,355	Aug. 2	431	92	111	1135
Hult, Carl A., et al. (See Ericsson, Eric, assignor.)						
Hult, Oscar W., et al. (See Ericsson, Eric, assignor.)						
Hultgren, William H., Philadelphia, Pa., assignor to Otis Elevator Company. Gearing	774,252	Nov. 8	1394	298	113	331

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Humans, William, Cambridge, Mass. Insect-guard	760,692	May 24	4195	891	110	992
Humbel, Joseph. (See Koch and Humbel.)						
Hume, Edgar B. (See Lautenschlager and Hume.)						
Hume, Thomas J., Kansas City, Kans. Automatic type-setting laundry-marking machine						
Hume, William H., Buffalo, N. Y. Reversing-valve	766,255	Aug. 2	232	45, 46	111	1001
Humiston, Dawson M., Aurora, Ill. Die-press for making glaziers' points	762,721	June 14	2303	478	110	1934
Humiston, John M., Berwyn, Ill. Underground-conduit insulation	765,486	July 19	3192	1067	111	736
Hummel, Franklin P., Bellevue, Ohio. Steam-engine	751,985	Feb. 9	2279	510	108	1564
Hummel, Jacob. (See Lampe and Hummel.)	757,750	Apr. 19	3090	673	109	2035
Hummel, Johann P., Milwaukee, Wis. Display-package	766,356	Aug. 2	433	92	111	1135
Hummell, Frank E., McMinn, Pa. Stop-cock	766,697	Aug. 2	1149	239	111	1296
Hummer, Arthur C., Seattle, Wash. Butter-cutter	774,389	Nov. 8	1636	351	113	385
Humphrey, Alfred H., Kalamazoo, Mich. Gas-lamp	768,994	Aug. 30	5871	1231	111	2419
Humphrey, Alfred H., Kalamazoo, Mich. Lamp hanger or support	776,593	Dec. 6	254	1232	113	1486
Humphrey, Alfred H., Kalamazoo, Mich. Igniter for gas-lamps	777,023	Dec. 6	1127	245	113	1677
Humphrey, Crawford H., Rumford Falls, assignor to L. L. Haines, Mexico, and S. E. Beedy, Farmington, Me. Composition for filling and cleaning wood	771,984	Oct. 11	1540		112	1301
Humphrey, Ernest N., assignor to Traut & Hine Manufacturing Company, New Britain, Conn. Hose-supporter	750,652	Jan. 26	4145	899	108	965
Humphrey, Ernest N., assignor to Traut & Hine Manufacturing Company, New Britain, Conn. Hose-supporter	752,777	Feb. 23	3774	842	108	1931
Humphrey, Ernest N., New Britain, Conn., assignor to United States Fastener Company, Portland, Me. Fastener	773,502	Oct. 25	4796	1011	112	2061
Humphrey, James, Boston, Mass., assignor to Perry Mason Company. Offset-cleaner	761,633	May 31	6046	1297	110	1413
Humphrey, James A., and E. A. Dowald, Allegheny, Pa. Apparatus for shaping hollow metal ware	772,940	Oct. 25	3476	753	112	1766
Humphrey, John. (See Zeigler, Harry L., assignor.)						
Humphreys, Charles E., Walker, Cal. Quartz-mill	769,610	Sept. 6	898	194	112	204
Humphreys, James B., New York, N. Y., assignor to Robins Conveying Belt Company. Belt conveyer apparatus	766,040	July 26	4276	195	111	969
Humphreys, William, New York, N. Y. Elevator-cam	751,172	Feb. 2	728	167	108	1213
Humphreys, William S., Jr., Moultrie, Ga. Connecting means for harness, &c	762,732	June 14	2205	479	110	1934
Hundhausen, Rudolf, Grunewald, Germany. Driving-gear	752,778	Feb. 23	3775	843	108	1931
Hundhausen, Rudolf, Wilmersdorf, Germany, assignor to Siemens & Halske Electric Company of America, Chicago, Ill. Fuse-plug	762,824	June 14	2406	523	110	1978
Hundrieser, Hans, Charlottenburg, Germany. Magazine-firearm	766,632	Aug. 2	989	207	111	1261
Hundt, Carl, Vienna, Austria-Hungary. Self-closing stop-valve	765,077	July 12	2397	499	111	537
Hungerford Electric and Manufacturing Company. (See Hungerford and Kilgore, assignors.)						
Hungerford, Henry H. (See Peters and Hungerford.)						
Hungerford, Oliver T., and C. F. Kilgore, assignors to Hungerford Electric and Manufacturing Company, Belleville, N. J. Machine for polishing insulated wire	761,634	May 31	6047	1298	110	1414
Hunkins, William S., Merriam Park, Minn. Garment-supporter	756,237	Apr. 5	90	19	109	1361
Hunsalz, Paul. (See Stephan and Hunsalz.)						
Hunsinger, George A., and E. A. Dowald, Allegheny, Pa. Trolley	763,759	June 28	4230	922	110	2419
Hunt, Alexander T., et al. (See Stouffer, Hiram C., assignor.)						
Hunt, Andrew M., and T. Mirk, San Francisco, Cal. Hydrocarbon-burner	768,367	Aug. 23	4553	956	111	2104
Hunt, Andrew M., and T. Mirk, San Francisco, Cal. Hydrocarbon-burner	768,368	Aug. 23	4554	957	111	2104
Hunt, Andrew M., and W. S. Dole, San Francisco, Cal. Gas-washing mechanism	768,369	Aug. 23	4555	957	111	2104
Hunt, Charles W., West New Brighton, N. Y. Apparatus for handling coke	762,904	Feb. 23	4032	935	108	1988
Hunt, Charles W., New York, N. Y. Hoisting apparatus	769,902	Sept. 13	1450	310	112	344
Hunt, Charles W., New York, N. Y. Hoisting apparatus	769,903	Sept. 13	1452	310	112	345
Hunt, Charles W., New York, N. Y. Hoisting apparatus	769,904	Sept. 13	1453	311	112	345
Hunt, Clifford M., et al. (See Stouffer, Hiram C., assignor.)						
Hunt, Clifford M., Newcastle, Pa. Receptacle-fastener	775,172	Nov. 15	3230	691	113	761
Hunt, Edward W. (See Rothwell-Jackson and Hunt.)						
Hunt, Emory C., Belle Plaine, assignor of one-half to C. W. E. Snyder, Benton county, Iowa. Cleat for electric wiring	753,396	Mar. 1	326	74	109	74
Hunt, Emory C., Belle Plaine, assignor of one-half to C. W. E. Snyder, Benton county, Iowa. Connection bracket and knob for electric conductors	753,399	Mar. 1	328	74	109	74
Hunt, Emory C., assignor of one-half to C. W. E. Snyder, Belle Plaine, Iowa. Cleat for electric wiring	776,514	Dec. 6	75	18	113	1441
Hunt, Frederick F., New Brighton, assignor of two-thirds to Maas & Waldstein, New York, N. Y. Production of hydroxids and oxids of metals by electrolysis	748,609	Jan. 5	95	25	108	23
Hunt, George C., et al. (See Languth, Charles, assignor.)						
Hunt, George S. (See Hunt, William I. and G. S.)						
Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)						
Hunt, Helm, Ferris & Company. (See Ferris, Henry L. and H. J., assignors.)						
Hunt, Henry A., Merrickville, New South Wales, Australia. Recording-anemometer	751,514	Feb. 9	1343	306	108	1363
Hunt, Henry D., Ebenfeld, Fla. Stanchion and strip for loading lumber, poles, &c., upon flat-cars	753,877	Mar. 29	5207	1152	109	1205
Hunt, Henry M., Florence, Colo. Ice-cutter	772,805	Oct. 18	3205	697	112	1688
Hunt, Homer C., Duquesne, Pa. Rail-joint	763,668	June 28	4055	883	110	2380
Hunt, Howard H., Sterling, Ill. Spike-lock for railways	773,147	Oct. 25	4041	856	112	1898
Hunt, James B., Greenwiche, N. J. Joint stiffener or clamp	772,149	Oct. 11	1892	419	112	1379
Hunt, James C., et al. (See Stouffer, Hiram C., assignor.)						
Hunt, Jarvis, assignor to Phoenix Fire Extinguisher Co., Chicago, Ill. Sprinkler-head for automatic fire-extinguishers	770,753	Sept. 27	3071	652	112	742
Hunt, Jarvis, assignor to Phoenix Fire Extinguisher Co., Chicago, Ill. Valve for automatic fire-extinguishers	770,754	Sept. 27	3072	653	112	742
Hunt, Jarvis, assignor to Phoenix Fire Extinguisher Co., Chicago, Ill. Sprinkler-head for automatic fire-extinguishers	770,755	Sept. 27	3074	653	112	743
Hunt, John A., Boston, assignor to himself, and H. B. Mitchell, Malden, Mass. Hydrocarbon-burner	766,884	Aug. 9	1571	330	111	1409
Hunt, Oliver D. (See Donavin, Stein, and Hunt.)						
Hunt, Ozello R., assignor to Simmons Manufacturing Company, Kenosha, Wis. Leaf-support for sofa-beds	754,142	Mar. 8	1829	407	109	420
Hunt, Ozello R., assignor to Simmons Manufacturing Company, Kenosha, Wis. Wire fabric for folding beds	758,920	May 3	683	137	110	160

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Hunt, Robert W., Chicago, Ill. Ingot-perfecting machine	755,368	Mar. 22	4214	993	109	970
Hunt, Robert W., Chicago, Ill. Apparatus for perfecting ingots	755,496	Mar. 22	4436	985	109	1016
Hunt, Russell E., Framingham, Mass. Machine for making popcorn balls or other confections	764,241	July 5	673	137	111	150
Hunt, Silas A., Chicago, Ill. Sostenuto device for stringed instruments	757,308	Apr. 12	2201	481	109	1828
Hunt, Thomas B., Chicago, Ill. Combined friction and direct-acting spring draft-rigging for railway-cars	748,951	Jan. 5	771	167	108	175
Hunt, Thomas E., Blue Island, assignor to Quaker Manufacturing Company, Chicago Heights, Ill. Warm-air register	749,065	Jan. 5	1038	219	108	239
Hunt, Thomas E., Blue Island, assignor to Quaker Manufacturing Company, Chicago Heights, Ill. Automatic regulator	765,428	July 19	3055	640	111	897
Hunt, William, St. Louis, Mo. Sewer-trap	777,420	Dec. 13	1871	413	113	1856
Hunt, William G. (See Jones, McLeod, and Hunt.)	772,358	Oct. 18	2335	512	112	1500
Hunter, Alexander G., et al. (See Kenny, John M., assignor.)	770,069	Sept. 13	1756	371	112	413
Hunter, Andrew E., Arlington, N. J. Curtain-pole	758,181	Apr. 26	3391	853	109	2239
Hunter, Charles H., et al. (See Huntley, Stephen A., assignor.)	769,221	Sept. 6	159	38, 39	112	35
Hunter, David E., Cambridge, assignor to Library Bureau, Boston, Mass. Book-holder	754,370	Mar. 8	2308	503	109	520
Hunter, Ernest H., Philadelphia, Pa., assignor to Warren Webster and Company, Camden, N. J. Temperature-regulating device	776,783	Dec. 6	690	139	113	1565
Hunter, George D., Bloomington, Ind. Stone-sawing machine	753,268	Mar. 1	101	25	109	25
Hunter, George D., Bloomington, Ind. Stone-sawing machine	753,269	Mar. 1	103	26	109	25
Hunter, George D., Bloomington, Ind. Stone-sawing machine	753,270	Mar. 1	105	26	109	25
Hunter, George D., Bloomington, Ind. Stone-sawing machine	755,667	Mar. 29	4765	1061	109	1104
Hunter, Glen B., Des Moines, Iowa. Rail-joint	777,634	Dec. 13	2308	506	113	1948
Hunter, Homer, Fort Collins, assignor of one-half to A. C. Bartels, Denver, Colo. Beet-transplanter	770,966	Sept. 27	3351	740	112	842
Hunter, James, Hartford, Conn. Tool-holder	12,269	Sept. 20	3031	645	112	716
Hunter, James, Hartford, assignor of one-half to C. Glover, New Britain, Conn. Tool-holder. (Reissue)	760,069	May 17	2976	632	110	708
Hunter, John A., et al. (See Ursbruck, John H. and J. B., assignors.)	768,281	Aug. 23	4392	922	111	2069
Hunter, Marcus, Brooklyn, N. Y. Funnel	760,069	May 17	2976	632	110	708
Hunter, Mark E., Allegheny, Pa. Claw	768,281	Aug. 23	4392	922	111	2069
Hunter, Martin C. (See Cragin, George P., assignor.)	760,069	May 17	2976	632	110	708
Hunter, Mary A., et al. (See Ursbruck, John H. and J. B., assignors.)	768,281	Aug. 23	4392	922	111	2069
Hunter, Paul C., and W. C. Bamber, New York, N. Y. Rail-cleaner	760,588	May 31	5959	1278	110	1395
Hunter, Robert L., Minneapolis, Minn., assignor to American Signal & Power Company. Fishing-reel	750,054	Jan. 19	3045	653	108	711
Hunter, Stuart A., Newton, Kans. Barrel-head securer	757,309	Apr. 12	2203	481	109	1828
Hunter, William A. (See Foust and Hunter.)	755,369	Mar. 22	4222	933	109	972
Hunter, William Y., Middelburg, Transvaal. Tent	767,278	Aug. 9	2387	489	111	1576
Huntington, Hubert F., Salmon, Idaho. Rock-drill guide	767,278	Aug. 9	2387	489	111	1576
Huntington, James H. (See Miller, John C., assignor.)	767,278	Aug. 9	2387	489	111	1576
Huntley, Delancey E. (See Gillingham and Huntley.)	767,278	Aug. 9	2387	489	111	1576
Huntley Manufacturing Company. (See Carnochan, John W., assignor.)	767,278	Aug. 9	2387	489	111	1576
Huntley Manufacturing Company. (See Huntley, William W., assignor.)	767,278	Aug. 9	2387	489	111	1576
Huntley Manufacturing Company. (See Smith, F. Marion, assignor.)	767,278	Aug. 9	2387	489	111	1576
Huntley, Stephen A., assignor to H. H. Hawman, W. F. Duncan, J. W. Gray, and C. H. Hunter, Sioux City, Iowa. Means for releasing target-traps	752,557	Feb. 16	3342	743 744	108	1819
Huntley, William W., assignor to Huntley Manufacturing Company, Silvercreek, N. Y. Grain-separator	766,623	Aug. 2	990	208	111	1261
Huntton, Charles F. (See Harrison and Huntton.)	766,623	Aug. 2	990	208	111	1261
Huntton, Charles F., assignor to Chicago Railway Equipment Company, Chicago, Ill. Side bearing for railway-cars. (Reissue)	12,193	Jan. 12	2372	501	108	549
Huntton, Charles F., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam	760,868	May 24	4557	971	110	1069
Huntton, Charles F., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam	769,384	Sept. 6	493	109	112	112
Huntton, Charles O., Somers, Conn. Check for picker-motions of looms	776,399	Nov. 29	5757	1219	113	1368
Hunziker, William, Richmond, Va. Die-sinking machine	776,913	Dec. 6	901	194	113	1625
Huot, Frank, Bigtimber, Mont. Saw-set	769,385	Sept. 6	494	109	112	112
Hupchen, William, assignor of fifty-hundredths to S. Mundheim, New York, N. Y. Means for removing podgum fur or hair from water	763,981	July 5	104	17	111	31
Hupfel, Adolph G., assignor of one-half to C. Roos, New York, N. Y. Gang punching-machine	770,466	Sept. 20	2516	535 536	112	602
Hurd, Edward P., assignor to United Shoe Machinery Company, Boston, Mass. Nail	767,520	Aug. 16	2814	589	111	1700
Hurd, Edward P., assignor to United Shoe Machinery Company, Boston, Mass. Nail	767,521	Aug. 16	2816	589	111	1700
Hurd, Robert J., Bridgeport, Conn. Paper-tube-rolling machine	765,429	July 19	3050	640 641 642	111	698
Hurd, Judson B., Brookland, D. C. Vending-machine	761,075	May 31	4996	1060 1061	110	1182
Hurdle, Julian A., New York, N. Y. Tubular or hollow body	756,368	Apr. 5	361	74	109	1420
Huribut, George K., assignor of one-half to A. F. Bingenheimer, Milwaukee, Wis. Fishing-tackle	774,429	Nov. 8	1795	365	113	398
Hurley, Charles E., Grand Rapids, Mich. Vapor-bath	761,228	May 31	5200	1194	110	1244
Hurley, Daniel, Bennington, Vt., and C. J. Sibbald, Troy, N. Y., assignors to C. Cooper, Bennington, Vt. Knifing-machine needle and jack	763,400	June 28	3556	766	110	2374
Hurley, John, et al. (See Reeve, Frank L., assignor.)	772,359	Oct. 18	2336	512	112	1501
Hurley, John, Littlefalls, N. Y. Fumigating device	767,341	Aug. 9	2344	512 513	111	1599
Hurrie, Charles J., Stockton, Cal. Apparatus for flattening cylinders for making window-glass and oven for same	767,690	Aug. 16	3138	656	111	1772
Hurst, Charles B., Ross county, Ohio. Frame for scales	762,413	June 14	1547	339	110	1794
Hurst, Charles M., Rawlins, Wyo. Signal and switch trip	762,414	June 14	1549	339	110	1794
Hurst, Charles M., Rawlins, Wyo. Switch and signal track-trip	764,292	July 5	769	158	111	170
Hurst, Charles M., Rawlins, Wyo. Railway switch and signal mechanism	768,228	Aug. 23	4298	902	111	2045
Hurst, Daniel and F., London, England. Joint for tubing or pipes	762,587	June 14	1920	414	110	1874
Hurst, Frank. (See Hurst, Daniel and F.)	762,587	June 14	1920	414	110	1874
Hurst, Harlan L., and J. A. Wertz, assignors to H. L. Hurst Manufacturing Company, Canton, Ohio. Spring-hinge	762,587	June 14	1920	414	110	1874

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Hurst, James G. (See Smith, John F., assignor.)						
Hurst, James W. (See Potts and Hurst.)						
Hurst, Lindsay R., and G. H. Beechum, Louisville, Ky. Incrustation preventive	762,635	June 14	2018		110	1895
Hurst, Warren. (See Post, William W., assignor.)						
Hurt, Celestin, assignor of one-half to H. E. Vavra, Chicago, Ill. Machine for cutting noodles, &c.	748,952	Jan. 5	772	167	108	175
Hurt, William N., et al. (See Martin, Edward G., assignor.)						
Hurwitz, Firm of T. (See Rüdiger, Josef B. von, assignor.)						
Hurwitz, Hermann, and A. Schapiro, Berlin, Germany. Blue-burner	755,369	Apr. 5	362	74	100	1421
Hurwood Manufacturing Company et al. (See Euphrat, Theophile, assignor.)						
Hurwood Manufacturing Company. (See Pullman, Herbert S., assignor.)						
Hurwood Manufacturing Company. (See Wood, George E., assignor.)						
Hurxthal, Joseph H., Thompsonville, Conn. Mirror-support	755,668	Mar. 29	4767	1061	109	1104
Huse, Frederick R., Boston, Mass. Shade-holder	772,886	Oct. 18	3365	731	112	1724
Huse, George H., Boston, Mass. Canopy-top for chimneys	760,992	May 24	4796	1020	110	1120
Huse, Harry P., U. S. Navy, assignor to United States School of Languages, Wilmington, Del. Repeating mechanism for phonographs	767,342	Aug. 9	2446	513	111	1600
Huse, Harry P., U. S. Navy, assignor to United States School of Languages, Wilmington, Del. Repeating mechanism for phonographs	767,343	Aug. 9	2447	513	111	1600
Huse, Leon C., assignor of two-thirds to W. D. and W. L. Huse, Laconia, N. H. Dial adjustment for knitting-machines	766,041	July 26	4278	917	111	970
Huse, Leon C., assignor of two-thirds to W. D. and W. L. Huse, Laconia, N. H. Take-up mechanism for knitting-machines	774,755	Nov. 15	2379	513	113	566
Huse, Walter L., et al. (See Huse, Leon C., assignor.)						
Huse, Warren D., et al. (See Huse, Leon C., assignor.)						
Husing, John W., assignor to Hicks-Judd Company, San Francisco, Cal. Loose-leaf binder	757,660	Apr. 19	2015	633	109	1998
Huson, Winfield S., assignor to Whitlock Printing Press Mfg. Co., Derby, Conn. Flat-bed cylinder printing-press	752,291	Feb. 16	2838	630 631	108	1710
Huson, Winfield S., assignor to Whitlock Printing Press Mfg. Co., Derby, Conn. Sheet-delivery apparatus for cylinder printing-press	775,557	Nov. 22	4323	912 913 914	113	1031
Huson, Winfield S., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Mechanical movement	768,750	Aug. 30	5372	1132	111	2306
Hussa, William B. S., West Hoboken, N. J. Foldable stool	749,675	Jan. 12	2326	482	108	531
Husser, Louis, Pasman, La. Thill-iron	760,207	May 17	3255	683	110	766
Hussey, James H., Spokane, Wash. Valve	759,372	May 10	1634	331	110	930
Hussey, John R., Indianapolis, Ind. Removable door	753,578	Mar. 1	697	156	109	153
Hussey, William F., assignor to Standard Dry Kiln Company, Indianapolis, Ind. Track construction for driers	770,525	Sept. 30	2649	560	112	631
Hussong, Joseph, Camden, N. J. Dyeing-machine	768,458	Aug. 23	4750	996	111	2153
Huston, George H. (See Simms and Huston.)	776,327	Nov. 29	5610	1189	113	1333
Hutcheson, Earl H., assignor to Atlanta Spring Bed Company, Atlanta, Ga. Bed-bottom	771,309	Oct. 4	171	38	112	998
Hutchings, Charles E., assignor by mesne assignments, to Rochester Optical Company, Rochester, N. Y. Lens-carriage-securing means	754,872	Mar. 15	3312	722	109	758
Hutchings, Charles H., assignor of two-thirds to P. W. Stanhope, Toronto, Canada. Mold for the manufacture of artificial stone	759,373	May 10	1635	331	110	390
Hutchings, Frederick (See Phillips and Hutchins.)	756,857	Apr. 12	1281	285	109	1632
Hutchins, Arthur W., Providence, R. I. Automatic circuit-breaker for electric time or other switches	755,297	Mar. 22	4069	902	109	938
Hutchins, Arthur W., Providence, R. I. Electric time-switch	766,256	Aug. 2	240	46	111	1093
Hutchins, Arthur W., Providence, R. I. Hanger for street-lamps	768,803	Aug. 30	5469	1132	111	2328
Hutchins, Francis E., Warren, Ohio. Instrument for measuring angles	751,647	Feb. 9	1595	363	108	1416
Hutchins, Frederick F. (See Peterson and Hutchins.)						
Hutchins, George F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loop-cutting mechanism for pile-fabric looms	758,968	May 3	771	154	110	179
Hutchins, George F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Automatic feed mechanism	764,851	July 12	1960	404	111	445
Hutchins, Willis, Brookline, Mass. Device for tuning violins	762,723	June 14	2206	479	110	1934
Hutchinson, Albert A., Winchester, Mass. Hide-working machine	762,415	June 14	1550	339 340 341	110	1795
Hutchinson, Daniel, Passaic, N. J., and M. T. Weston, New York, N. Y., assignors to Diamond Match Company, Chicago, Ill. Machine for cutting and assembling match splints	773,394	Oct. 25	4557	963 964	112	2011
Hutchinson, Joseph, New York, N. Y. Fixture-arm burner for incandescent mantles	773,793	Nov. 1	488	107	113	114
Hutchinson, Joseph, assignor to Kern Burner Company, New York, N. Y. Gas-radiator	763,057	June 21	2862	618 619 620	110	2099
Hutchinson, Nathaniel J., Toronto, Canada. Woodworking-machine	761,492	May 31	5784	1237	110	1356
Hutchinson, Robert M., Adrian, Mich. Piano-action	758,654	May 3	91	18, 19	110	25
Hutchinson, Ruthford H., Layton, Utah. Mowing-machine	768,804	Aug. 30	5471	1152	111	2329
Hutchinson, Sealey T., San Antonio, Tex. Toy torpedo-exploder	775,974	Nov. 29	4962	1047	112	1186
Hutchinson, Sherry B., Ypsilanti, Mich. Newspaper or periodical	758,139	Apr. 26	3854	837	109	2223
Hutchinson, William F., assignor to Nyack Machine Works, Nyack, N. Y. Toothpick-machine	771,310	Oct. 4	173	38	112	92
Hutchison Acoustic Company. (See Hutchison, Miller R., assignor.)	773,570	Nov. 1	74	14, 15	113	998
Hutchison, Clarence A., et al. (See Fouché, John W., assignor.)						
Hutchison, Ephraim K., Denver, assignor of one-half to J. E. Hutchison, Longmont, Colo. Damper-regulator	774,179	Nov. 8	1265	269	113	303
Hutchison, George W., assignor to Hutchison & Huestis, Providence, R. I. Finger-ring	768,282	Aug. 23	4393	922	111	2069
Hutchison & Huestis. (See Hutchison, George W., assignor.)						
Hutchison, Hugh B., et al. (See Fouché, John W., assignor.)						
Hutchison, John W., Blackwell, Okla. Ter. Combined fence stretcher and post	769,479	Sept. 6	674	145 146	112	153
Hutchison, Joseph C. (See Williams, David S., assignor.)						
Hutchison, Joseph C., Philadelphia, Pa. Machine for making pies	756,639	Apr. 5	842	182	109	1521
Hutchison, Joseph E. (See Hutchison, Ephraim K., assignor.)						
Hutchison, Maurice F., Floris, Va. Roller-screen	767,644	Aug. 16	3062	639 640	111	1756
Hutchison, Miller R., New York, N. Y., assignor, by mesne assignments, to Hutchison Acoustic Company. Current-selector for charging secondary batteries	755,669	Mar. 29	4768	1061	109	1105

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Hutchison, Miller R., Norwood, N. J., assignor, by mesne assignments, to Hutchison Acoustic Company. Telephone-receiver.	758,363	Apr. 26	4306	924	109	2321
Hutchison, Robert H. (See Swett, Charles E., assignor.)						
Hutin, Maurice, and M. Leblanc, Paris, France, assignors, by mesne assignments, to G. Westinghouse, Pittsburg, Pa. Alternating-current transformation.	754,371	Mar. 8	2304	503	109	520
Hutin, Maurice, and M. Leblanc, Paris, France, assignors, by mesne assignments, to G. Westinghouse, Pittsburg, Pa. System of alternating-current transformation.	754,372	Mar. 8	2306	504	109	521
Hutin, Maurice, and M. Leblanc, Paris, France, assignors, by mesne assignments, to G. Westinghouse, Pittsburg, Pa. Alternating-current transformation. (Reissue)	12,223	May 24	4958	1051	110	1155
Hutter, Frank, Clealum, Wash. Apparatus for opening or closing mine-doors.	765,282	July 19	2759	576	111	634
Hutton, Charles R., et al. (See Denry, Austin H., assignor.)						
Hutton, Charles R., et al. (See Eklund, John G. G., assignor.)						
Hutton, James M. (See Alexander, Jesse, assignor.)						
Hutton, Joy T., Bronson, Mich. Automatic stop and waste cock.	753,371	Mar. 1	106	26	109	26
Huxley, Charles E., Chicago, Ill. Gate-valve.	765,430	July 19	3064	642	111	699
Huxley, Charles E., Chicago, Ill. Steam-separator.	769,440	Sept. 6	590	130	112	134
Huxley, Charles E., Chicago, Ill. Steam-trap.	773,794	Nov. 1	489	107	113	114
Huyck, Francis P., Swanton, and J. D. R. Lamson, Toledo, Ohio. Pencil-sharpener.	774,580	Nov. 15	2036	567	113	623
Huyler, John J., Newark, N. J. Door-securer.	776,245	Nov. 29	5485	1161	113	1307
Hyatt, Benjamin S., Vinita, Ind. Ter. Windmill.	755,497	Mar. 22	4438	986	109	1016
Hyatt, George. (See Hyatt, Otis and G.)						
Hyatt, Harry. (See Wight and Hyatt.)						
Hyatt, Harry, and J. M. Wight, Cleveland, Ohio. Steam-boiler furnace.	752,681	Feb. 23	3609	803	108	1895
Hyatt, Otis and G., Friendsville, Ohio. Hay-distributor.	775,924	Nov. 29	4834	1024	113	1156
Hyatt, Samuel W., Mount Vernon, assignor of one-half to O. Wise, Mount Blanchard, Ohio. Gas-light regulator.	750,540	Jan. 26	3962	857	108	927
Hybinette, Noah V., Plainfield, N. J. Treating copper ores.	751,648	Feb. 9	1598		108	1416
Hyers, Arnold, Pormby, England. Oil-lamp.	761,678	June 7	112	19	110	1464
Hyde, David B., Springfield, Ohio. Abrasive wheel.	730,653	Jan. 26	4147	890	108	965
Hyde, Jerome W. (See Hadley, Charles E., assignor.)						
Hyde, John E. H. (See Webster and Hyde.)						
Hyde, John E. H., New York, N. Y. Tennis-racket.	763,059	June 21	2866	619	110	2101
Hyde, S. L. G. et al. (See Scott, William H., assignor.)						
Hyde, Theophilus R., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sew-on snap-fastener.	762,478	June 14	1701	366	110	1827
Hyde, Theophilus R., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Umbrella-notch.	768,805	Aug. 30	5472	1152	111	2329
Hyde, Theophilus R., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button-fastener.	772,280	Oct. 11	2159	471	112	1441
Hyde, Theophilus R., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Stud for sew-on fasteners.	777,951	Dec. 20	2966	652	113	2100
Hyde, Theophilus R., Jr., and E. D. Simons, assignors to Scovill Manufacturing Company, Waterbury, Conn. Snap-fastener.	757,196	Apr. 12	1965	429	109	1779
Hyde, Thomas G., London, assignor to G. H. Whitehead, New Eltham, England. Printing-machine.	751,917	Feb. 9	2120	478	108	1531
Hyde, Thomas G., London, assignor to G. H. Whitehead, New Eltham, England. Means for facilitating interleaving sheets.	754,311	Mar. 8	2149	476	109	486
Hydraulic Press Brick Company. (See Miles, Frank W., assignor.)						
Hyer, Irvin P., Dayton, Ohio. Press for molding cement building-blocks.	776,846	Dec. 6	778	169	113	1597
Hyers, Reuben W., Portsmouth, N. H. Door-stop.	770,643	Sept. 20	2863	608	112	679
Hygeia Filter Company. (See Marsh, Harry, assignor.)						
Hymann, Noah C., New York, N. Y. Wrench.	749,134	Jan. 5	1171	248	108	271
Hymer, James W., et al. (See Hensley, Charles S., assignor.)						
Hymers, Christopher, St. Louis, Mo. Fishing-float.	751,734	Feb. 9	1758	399	108	1450
Hyndman, Duncan. (See Nicolai, Samuel F., assignor.)						
Hyne, Henry A. (See Heister and Hyne.)						
Hynek, Peter J., Keokuk Falls, Okla. Ter. Displaying device.	770,756	Sept. 27	3078	633	112	744
Hyson, Medford, assignor of one-half to G. F. Nelson, Washington, D. C. Suspenders.	752,558	Feb. 16	3345	744	108	1821
Hypes, Chesley B., assignor to Antiseptic Barber Company, Topeka, Kans. Barber's sectional sterilizer.	764,242	July 5	674	137	111	150
I. B. Kleinert Rubber Company. (See Guinzburg, Victor, assignor.)						
Ibach, Gideon R., Brooklyn, and E. J. Bartel, Long Island, N. Y. Steadying device for gas-distributing systems.	765,925	July 26	4053	866	111	922
Ibbeken, Walter. (See Kenna, Benjamin F., assignor.)						
Ibbotson, Edward B., et al. (See Peddie, John T., assignor.)						
Ibbotson, Thomas H., East Greenwich, and R. Meldrum, Blackheath, England. Manufacturing or producing asbestos millboards, slates, plates, or tiles.	769,087	Aug. 30	6048		111	2458
Idapo Manufacturing Company. (See Simmons, Alonzo J., assignor.)						
Ideal Excavating Company. (See Rood, Charles W., assignor.)						
Ideal Holster Company. (See Phillips, Ross M. G., assignor.)						
Ideal Manufacturing Company. (See Bartlett, Frank V., assignor.)						
Ideal Opening Die Company. (See Maxwell, Singleton A., assignor.)						
Iden, Friedrich W., Mariendorf, assignor of one-half to Deutsche Thermophor A.-G., Andernach, Germany. Incubator.	770,967	Sept. 27	3512	740	112	842
Iden, Walter J., Coventry, England. Steering-gear for motor-cars.	754,068	Mar. 8	1686	374	109	388
Ielfield, Fred C., assignor to Columbia Postal Supply Company, Silvercreek, N. Y. Mail-delivering machine.	761,229	May 31	5392	1124	110	1245
Igel, Augusta J., Kansas City, Mo. Umbrella-carrier.	755,009	Mar. 22	3565	781	109	830
Igo, Charles W., Payne, Ohio. Currycomb.	777,471	Dec. 13	1968	436	113	1878
Igou, Dennis T., Springfield, Ohio. Candy-pulling machine.	752,979	Feb. 23	4215	939	108	3030
Ihlder, John D., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Electrical controlling apparatus.	749,439	Jan. 12	1821	383	108	430
Ihlder, John D., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Magnetic brake.	758,140	Apr. 26	3885	837	109	2223
Ihlder, John D., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Motor control.	767,691	Aug. 16	3140	656	111	1772
Ihlder, John D., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Motor control.	767,692	Aug. 16	3143	657	111	1773
Ihle, Erick L., Chicago, Ill. Automatic feed mechanism for acetylene-gas generators.	762,533	June 14	1615	391	110	1853
Ihmssen, J. G., et al. (See Clausen, Henry P., assignor.)						
Ihmssen, J. G., et al. (See Setter, Michael, assignor.)						
Ihrer, Frederick C., J. W. Alexander, J. F. Barr, and J. M. Ochiltree, Burlington, Iowa. Apparatus for molding soap.	753,706	Mar. 1	948	215	109	205
Ikemori, Tetsutaro, New York, N. Y. Movable map and machine for operating same.	770,585	Sept. 20	2751	583	112	654

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Iler, Stephen, Jolley, Iowa. Attachment for planters, plows, &c.	758,969	May 3	773	155	110	179
Ill, Edward J. (See Rogers, Charles A., assignor.)						
Illemann, Robert, London, assignor to F. M. H. Jones, Kentish Town, county of London, England. Fireproof building block or slab.	753,707	Mar. 1	949	215	109	205
Illés, Francis, Budapest, Austria-Hungary. Bottle-stopper.	770,721	Sept. 20	3014	641	112	712
Illing, Robert, Chicago, Ill. Calendar.	774,325	Nov. 8	1532	328	113	362
Illingworth, Harry I., Swampscott, assignor to C. E. Riley, Newton, Mass. Folding-machine.	776,328	Nov. 29	5611	1189	113	1334
Illinois Investment Company. (See Gilmer, George O., assignor.)						
Illinois Investment Company. (See Gilmer, George O., assignor.) (Reissue.)						
Illuminating Engineering Company. (See Elliott, Elias L., assignor.)						
Illusion Company. (See Hopkins, Marcus C., assignor.)						
Imbert, Antoine H., Grand-Montrouge, assignor to Société de Metallurgie Electro-Thermique, Paris, France. Electric-arc furnace.	768,995	Aug. 30	5873	1232	111	2420
Imbert, Georges, Brussels, Belgium. Heating and lighting apparatus.	749,384	Jan. 12	1710	362	108	408
Imbert, Georges, Brussels, Belgium. Gas-burner.	765,340	July 19	2887	902	111	662
Imbler, John, Zionsville, Ind. Wire-fence machine.	773,076	Oct. 25	3821	815	112	1845
Immlay, William L., assignor to A. Segal, Philadelphia, Pa. Magnetic ore-separator.	758,655	May 3	92	19, 20	110	25
Immsell, Omer F., Blair, Wis. Latch.	757,464	Apr. 19	2510	551	109	1907
Imperial Corporation. (See Powers and Jewell, assignors.)						
Imperial Machine Company <i>et al.</i> (See Clark, Edward B., assignor.)						
Imperial Pneumatic Tool Company. (See Peck, Caid H., assignor.)						
Imperial Pneumatic Tool Company. (See Peck, Clarence W., assignor.)						
Imperial Stand Company. (See Halladay, Lewis P., assignor.)						
Imperiale, Eduardo, Naples, Italy. Motor-driven cultivator.	763,760	June 28	4231	922	110	2419
Improved Paper Machinery Company. (See Parker, Howard, assignor.)				923		
Incandescent Light and Stove Company. (See Gabriel and Stubbers, assignors.)						
Incandescent Light & Stove Company. (See Stubbers, Joseph, assignor.)						
Incandescent Light & Stove Company. (See Wernsing and Stubbers, assignors.)						
Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Detachable key-bank for typesetting and other machines.	778,196	Dec. 20	3433	755	113	2197
Independent Store Service Company. (See Chamberlain and Chism, assignors.)						
Independent Store Service Company. (See Chism, David E., assignor.)						
Indianapolis Arm, Bracket and Pin Company. (See Magers, Bonneventure T., assignor.)						
Indianapolis Watchman Clock Company. (See Summers, Jesse and H. E., assignors.)						
Industrial Manufacturing Company. (See Malsch, Frank, assignor.)						
Industrial Works. (See Perry and Bassett, assignors.)						
Ingalls, Joseph B., Rock Island, Ill. Display and reserve-stock case for thimbles.	764,529	July 5	1264	259	111	276
Ingalls, Rose A., Washington, D. C. Combined diaper-fastener and hose-supporter.	761,493	May 31	5788	1237	110	1357
Inge, Thomas S., Danville, Va. Piston-rod packing.	763,000	June 21	2748	596	110	2074
Ingells, James, Muskegon, Mich. *Extension-table.	760,630	May 24	4067	864	110	965
Ingersoll, Hubert I., Green Valley, Ill. Gate.	774,881	Nov. 15	2638	367	113	623
Ingersoll-Sergeant Drill Company. (See Sergeant, Henry C., assignor.)						
Ingersoll, Truman W., St. Paul, Minn., assignor to H. C. White Co., North Bennington, Vt. Spring-clamp for stereoscopes.	766,698	Aug. 2	1151	239	111	1297
Ingham, Charles R., Suffern, N. Y. Steam-superheater.	773,258	Oct. 25	4276	904	112	1950
Ingham, Charles R., Suffern, N. Y. Gas-manufacturing apparatus.	774,430	Nov. 8	1705	365	113	399
Ingham, George W., Port Huron, Mich. Steam-boiler.	760,126	May 17	3097	647	110	732
Ingle, Thomas G., assignor of one-half to J. H. Huesman, Dayton, Ohio. Nut-lock.	750,365	Jan. 26	3613	783	108	855
Ingledeue, Harvey R., Chicago, Ill. Hay-rake.	759,282	May 10	1446	288	110	351
Ingles, Edwin F. (See Von Boden and Ingles, assignors.)						
Ingles, Gardiner, Airdrie, Scotland. Fire-tube steam-boiler.	767,516	Aug. 16	3375	714	111	1825
Ingoldsby Automatic Car Company. (See Ingoldsby, Frank S., assignor.)						
Ingoldsby Automatic Car Company. (See Ingoldsby and Bowling, assignors.)						
Ingoldsby, Frank S., assignor to Ingoldsby Automatic Car Company, St. Louis, Mo. Railway-car.	767,693	Aug. 16	3146	657	111	1774
Ingoldsby, Frank S., and J. R. Bowling, assignors to Ingoldsby Automatic Car Company, St. Louis, Mo. Bolster.	749,293	Jan. 12	1524	324	108	366
Ingoldsby, Frank S., and J. R. Bowling, assignors to Ingoldsby Automatic Car Company, St. Louis, Mo. Dumping coke-car.	777,472	Dec. 13	1970	436	113	1878
Ingoldsby, Frank S., and J. R. Bowling, assignors to Ingoldsby Automatic Car Company, St. Louis, Mo. Railway-car.	777,473	Dec. 13	1974	437	113	1880
Ingraham, Henry C., Moodus, Conn. Thill-coupling.	748,610	Jan. 5	98	25	108	23
Ingraham, Henry C., Moodus, Conn. Thill-coupling. (Reissue.)	12,306	Mar. 22	4628	1027	109	1059
Ingram, Alexander, and E. A. Stickney, Sacramento, Cal. Combined axle-cutter.	771,016	Sept. 27	3611	760	112	863
Ingram, Andrew B., and T. Heard, St. Thomas, Canada. Railway diamond crossing.	764,726	July 12	1707	350	111	389
Ingram, Nathan D., New York City. Combined coin-driven clock and circuit-controller.	757,042	Apr. 12	1669	301	109	1713
Ingram, Thomas D., Washington, D. C. Combined coin-driven clock and circuit-controller.	771,474	Oct. 4	494	112	112	1064
Ingram, Wesley E., Stockton, Cal. Tappet for stamp-mills.	775,625	Nov. 22	4259	890	113	1016
Ingwersen, Edward J., Lyons, Iowa. Knockdown feed-trough.	753,400	Mar. 1	329	74	109	74
Ingwersen, Edward J., Lyons, Iowa. Gate.	778,197	Dec. 20	3435	755	113	2197
Inland Steel Company. (See Graham, George M., assignor.)						
Inman, Edward R. (See Smith and Inman.)						
Inman, Edward R., assignor to J. P. Frazier and E. D. Smith, Franklin, Pa. Automatic brake and safety device for hand-cranes.	767,817	Aug. 16	3377	715	111	1825
Inman, Fred R., Providence, R. I. Lathe-chuck.	749,794	Jan. 19	2544	541	108	604
Inman, Horace, Amsterdam, N. Y. Tube-making machine.	756,500	Apr. 5	611	133	109	1471
Inskeep, Carlos S., assignor of one-half to E. T. Ireland, Swayzee, Ind. Attachment for printing-presses.	760,127	May 17	3099	648	110	732
Insull, Samuel. (See Ball, Henry P., assignor.)						
Inter Gas Power Company. (See Russell, William H. and G. E., assignors.)						
Inter-Ocean Transit Company. (See Lomb, George W. C., assignor.)						
Interlock Paper Company <i>et al.</i> (See Casterline, Edwin D., assignor.) (Reissue.)						
Interlock Paper Company. (See Friend, Roger B., assignor.)						
Interlocking Hook and Eye Manufacturing Company. (See Andresen, Christian, assignor.)						
Intermittent Horse Power Company. (See Smith, Adam M., assignor.)						
International Air Brake Company. (See Shortt, Edward G., assignor.)						
International Business Exchange. (See Saliger, Alois B., assignor.)						

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International District Telephone Company. (See Beard, Richard M., assignor.)						
International Egg Carrier and Paper Company. (See Drake, Harry R., assignor.)						
International Electric Company. (See Liebreich, Hans, assignor.)						
International Electric Traction Company. (See Lowrie, William G., assignor.)						
International Fence & Fire Proofing Company. (See Kyle, Robert C., assignor.)						
International Harvester Company. (See Benjamin, Bert R., assignor.)						
International Harvester Company. (See Benjamin and Pridmore, assignors.)						
International Harvester Company. (See Berkeley, William J., assignor.)						
International Harvester Company. (See Borg, Chris, assignor.)						
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International Harvester Company. (See Kane, Maurice, assignor.)						
International Harvester Company. (See Kane and Burkhardt, assignors.)						
International Harvester Company. (See Pitkin, Julian H., assignor.)						
International Harvester Company. (See Pridmore, John W., assignor.)						
International Harvester Company. (See Rand, Charles A. A., assignor.)						
International Harvester Company. (See Reinhardt, Albert, assignor.)						
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International Harvester Company. (See Ryther, Frank A., assignor.)						
International Harvester Company. (See Sharp, James A., assignor.)						
International Harvester Company. (See Smith, Daniel W., assignor.)						
International Harvester Company. (See Sperry, Herbert B., assignor.)						
International Harvester Company. (See Tufley, George E., assignor.)						
International Harvester Company. (See Webster, John W., assignor.)						
International Harvester Company. (See Weeding, John A., assignor.)						
International Manufacturing Company. (See Lydon, John F., assignor.) (Reissue.)						
International Manufacturing Company. (See Martin, James W., assignor.)						
International Nickel Company. (See Maffett, Robert R., assignor.)						
International Perfect Electrical Supply Company. (See Ritchel, Charles F., assignor.)						
International Railway Supply Co. (See Sulfer, Charles, assignor.)						
International Register Company. (See Woodward, Arthur H., assignor.)						
International Silver Company. (See Berry, Henry, assignor.)						
International Steam Pump company. (See De Laval and Aborn, assignors.)						
International Steam Pump Company. (See Scott, Clarence N., assignor.)						
International Telephone Manufacturing Company. (See McCormick, William E., assignor.)						
International Time Recording Company. (See Deubner, John W., assignor.)						
International Time Recording Company. (See Peterson, Snyder, and Larrabee, assignors.)						
International Ventilator and Deflector Company. (See Withers, Charles A., assignor.)						
International Wireless Telegraph Company. (See Ehret, Cornelius D., assignor.)						
International Wireless Telegraph Company <i>et al.</i> (See Midgley, Frederick W., assignor.)						
International Wireless Telegraph Company <i>et al.</i> (See Shoemaker, Harry, assignor.)						
Internationale Electricitäts Zähler Gesellschaft, M. B. H. (See Kahlmann, Martin, assignor.)						
Invention Developing Company. (See Gill, Edwin R., assignor.)						
Inventors Novelty Manufacturing Company. (See Braen, Henry, assignor.)						
Inventors Novelty Manufacturing Company. (See Clements, Thomas, assignor.)						
Invisible Ear Phone and Medical Company. (See Smith, Douglas E., assignor.)						
Invisible Suspend Company. (See Clarke, Richard T., assignor.)						
Iowa Gas Plant Company. (See Priestley, Kephart, and Merchant, assignors.)						
Ippendorf, Alois, Düsseldorf, Germany. Apparatus for producing pyro-acetic spirit.....	769,164	Sept. 6	48	12	112	13
Irani, Kakhusrro S. (See Goculdas and Irani.)						
Ireland, Albert V. J., Corona, N. Y. Bodkin.....	759,383	May 10	1450	289	110	352
Ireland, Arthur, Roy, Utah. Combined beet thinning and cultivating machine.....	755,298	Mar. 22	4072	902	109	939
Ireland, Eugene P. (See Inskip, Carlos S., assignor.)						
Ireland, Fred M., Portland, Oreg. Excavating-bucket.....	774,431	Nov. 8	1710	366	113	400
Ireland, Louis H., assignor of one-half to O. M. Shuman, Emporia, Kans. Beet or cotton thinner.....	777,788	Dec. 20	2595	573	113	2027
Irigoyen, Antonio S., Parral, Mexico. Horse-detacher.....	773,503	Oct. 25	4708	1011	112	2061
Irish, Fremont L., Auburn, Me. Acetylene gas generator.....	749,294	Jan. 12	1525	824	108	367
Irish, George W., and D. M. Hoover, Grand Ledge, Mich. Hay rake and elevator.....	775,751	Nov. 22	4500	953	113	1068
Irish, Perry M., Booneville, assignor of one-fourth to Mrs. J. E. Reilly, Christine, Cal. Drag-saw handle.....	754,312	Mar. 8	2150	475	109	487
Irish, William F., East Orange, N. J. Electric switch.....	731,174	Feb. 2	729	167	108	1213
Irish, William F., East Orange, N. J. Pump-controller.....	764,852	July 12	1962	405	111	446
Iron Clad Manufacturing Company. (See Reynolds, Henry S., assignor.)						
Iron, John, Dover, England. Fire-escape.....	770,808	Sept. 27	3188	675	112	768
Irons, Charley E., Lima, Ohio. Anchor.....	756,640	Apr. 5	843	182	109	1521
Irons, Charley E., Lima, Ohio. Anchor.....	756,640	Apr. 5	843	183	109	1521
Ironside, Edward A., London, England. Wire-cutter.....	777,511	Dec. 13	2052	451	113	1895
Ironside Company. (See Bone and Whitehead, assignors.)						
Iroquois Iron Works. (See King, Walter G., assignor.)						
Iroquois Machine Company. (See Horton, James A., assignor.)						
Iroquois Machine Company. (See Tucker, Zechariah R., assignor.)						
Irvine, Frederick G., Marietta, Ohio. Sand-pump.....	750,192	Jan. 19	3284	709	108	761
Irvine, James, Napier, New Zealand. Fastening for packing-cases or the like.....	772,659	Oct. 18	2908	639	112	1624
Irvine, James C. (See Long and Irvine.)						
Irvine, Alexis D., Los Angeles, Cal. Combined telephone-book support and note-paper-supply device.....	749,141	Jan. 5	1196	256	108	277
Irving, Charles C., Essexville, Mich. Beet-harvesting machine.....	755,010	Mar. 22	3566	781	109	830
Irving, George. (See Siersdorf, Louis, assignor.)						
Irving, James B., Covington, Ky. Fire-escape.....	756,641	Apr. 5	844	183	109	1521

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Irving-Pitt Mfg. Co. (See Pitt, William P., assignor.)						
Irwin, Clarence E., St. Louis, Mo., and W. A. Bennett, East St. Louis, Ill. Switch mechanism	777,512	Dec. 13	2053	452	113	1895
Irwin, George W., et al. (See Hensley, Charles S., assignor.)						
Irwin, Herbert E., Galesburg, Ill. Elastic-tread horseshoe	755,779	Mar. 29	5017	1115	109	1160
Irwin, Herbert E., Galesburg, assignor to Irwin Rubber Company, Chicago, Ill. Pneumatic tire	752,238	Feb. 16	2705	599	108	1681
Irwin, Herbert E., Galesburg, assignor to Irwin Rubber Company, Chicago, Ill. Vehicle-tire	753,401	Mar. 1	331	75	109	74
Irwin, James F., Philadelphia, Pa. Safety-envelope	757,310	Apr. 12	2204	482	109	1828
Irwin, James W. (See Werle, John F., assignor.)						
Irwin, John W., Emerson, Canada. Grain drier and cooler	759,527	May 10	1924	893 894	110	456
Irwin, Oscar. (See Duffy and Irwin.)						
Irwin Rubber Company. (See Irwin, Herbert E., assignor.)						
Irwin, Thomas J., Brooklyn, N. Y. Non-refillable bottle	761,298	May 31	5499	1156	110	1276
Irwin, William A., Dallas, Tex., assignor to F. C. Rust, New York, N. Y. Making butter	773,746	Nov. 1	407		113	90
Isaacs, John D., Oakland, and J. B. Speed, Berkeley, Cal. Piping fluids	759,374	May 10	1636	332	110	390
Isakson, Charles B., New York, assignor of one-half to J. E. D. Isakson, Brooklyn, N. Y. Shoe-lace	767,891	Aug. 16	3524	746	111	1857
Isakson, Charles B., New York, assignor of one-half to J. E. D. Isakson, Brooklyn, N. Y. Candle-extinguisher	767,892	Aug. 16	3525	747	111	1857
Isakson, John E. D. (See Isakson, Charles B., assignor.)						
Isbell, Harry J., assignor of one-half to W. Steck, St. Louis, Mo. Musical instrument	775,658	Nov. 22	4392	914	113	1032
Isbell-Porter Company. (See De Hart, John S., Jr., assignor.)						
Iseminger, Daniel H., Bloomington, Ill. Swinging gate	775,772	Nov. 22	4534	963	113	1076
Isenberg, Hans O. C. (See Gincina and Isenberg.)						
Isenberg, Herbert G., Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch	773,013	Oct. 25	3618	782	112	1797
Isham, Alfred H. (See Palmer and Isham.)						
Isham, Edward S. (See Wellman, Harold R., assignor.)						
Isherwood, Alfred, New Bedford, Mass. Loom-shuttle	762,905	June 21	2572	559	110	2034
Isherwood, Stanley T. (See Campbell and Isherwood.)						
Isidor, Joseph S., Newark, N. J. Handle for bags or cases	772,616	Oct. 18	2827	621	112	1607
Iske, Albert. (See Iske, Anthony and A.)						
Iske, Anthony and A., assignors of one-half to P. Heine, Lancaster, Pa. Cigar-tip cutter and advertising device	768,996	Aug. 30	5875	1232 1233	111	2420
Iskiyan, Victor. (See Schmidt and Iskiyan.)						
Istas, Fernand, Antwerp, Belgium, assignor to Rudolph Wurlitzer Company, Cincinnati, Ohio. Mute for stringed instruments	759,375	May 10	1638	332	110	391
Iuppenlatz, Louis N., assignor of one-half to W. L. Iuppenlatz, Indianapolis, Ind. Binding-stick	769,800	Sept. 13	1255	270	112	301
Iuppenlatz, William L. (See Iuppenlatz, Louis N., assignor.)						
Ivatts, Ernest A., assignor to Compagnie Générale de Phonographes, Cinématographes et Appareils de Précision, Paris, France. Phonograph, &c.	754,313	Mar. 8	2152	476	109	487
Ivens, Henry K., et al. (See Dieterich, Fred., assignor.)						
Iverson, Joachim, Indianapolis, Ind., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Pneumatic bag-turning machine	775,975	Nov. 29	4963	1047	113	1186
Iverson, Joachim, Indianapolis, Ind., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Turning bags	775,976	Nov. 29	4964	1047	113	1186
Ives, Charles A., New York, N. Y. Fire-escape	751,649	Feb. 9	1600	369	108	1417
Ives, Frederic E., Weehawken, N. J. Asking line composite stereoscopic photographs	761,679	June 7	113	20	110	1464
Ives, Frederic E., Weehawken, N. J. Changeable sign, picture, &c.	771,824	Oct. 11	1195	266	112	1229
Ives, Frederic E., Weehawken, N. J. Safety composite-color print	776,470	Nov. 29	5898	1246	113	1400
Ives, Frederic E., Weehawken, N. J. Safety composite-color print	776,515	Dec. 6	76	19	113	1441
Ives, Harry C., Bridgeport, Conn. Toy elevated-railway track	758,448	Apr. 26	4472	961	109	2359
Ives, Hobart E., New Haven, Conn. Window ventilating-lock	766,357	Aug. 2	43	92	111	1136
Ivey, Robert W., New London, N. C. Pileless clothes-line	769,222	Sept. 6	160	39	112	35
Ivie, Oliver P. (See Cummins and Ivie.)						
Ivins, Dietz and Metzger Company. (See Hardwick, Harry, assignor.)						
Ivins, Dietz and Metzger Company. (See Tunstall, William, assignor.)						
Ivory, James W., Philadelphia, Pa. Clamp for dental dams	775,083	Nov. 15	3046	646 723	113	720
Ivy, Sanford V., Butler, Tex. Boll-weevil catcher	754,873	Mar. 15	3314		109	759
J. Ellwood Lee Company. (See Hollowell, Maurice O., assignor.)						
J. Ellwood Lee Company. (See Lee, John E., assignor.)						
J. Hopkinson and Company. (See Hopkinson and Kilburn, assignors.)						
J. Stevens Arms & Tool Company. (See Fay, Charles F., assignor.)						
J. Stevens Arms & Tool Company. (See Mossberg, Oscar F., assignor.)						
J. A. Fay & Egan Company. (See Hanhart, Louis J., assignor.)						
J. A. Fay & Egan Company. (See Spencer, Harry S., assignor.)						
J. A. Fay & Egan Company. (See Thomas and Spencer, assignors.)						
J. B. Colt Company. (See Goodyear, Nelson, assignor.)						
J. B. Colt Company. (See Earle and Goodyear, assignors.)						
J. C. Pearson Company. (See Rogers, William S., assignor.)						
J. E. Mergott Company. (See Fuller, Albert F., assignor.)						
J. E. Mergott Company. (See Witte, Ernst E., assignor.)						
J. E. Porter Company. (See Jacobs, William F., assignor.)						
J. E. Porter Company. (See Yentzer, Francis M., assignor.)						
J. F. Parkhurst & Son Company. (See Parkhurst, Frederic H., assignor.)						
J. F. Pease Furnace Company. (See Johnson and Sheridan, assignors.)						
J. F. Rowley Company. (See Rowley, James F., assignor.)						
J. G. McCarter Company. (See McCarter and Rockwood, assignors.)						
J. H. Clark Company. (See Clark, James H., assignor.)						
J. H. Sears Company. (See Sears, Judah H., assignor.)						
J. H. Williams & Company. (See Amborn and Bufford, assignors.)						
J. H. Williams & Company. (See Amborn and Chase, assignors.)						
J. H. Williams and Company. (See Bufford, George W., assignor.)						
J. H. Williams and Company. (See Bufford and Hickman, assignors.)						
J. I. Case Plow Works. (See Sobey, William, assignor.)						
J. I. Case Threshing Machine Company. (See Stuckel, Frank C., assignor.)						
J. J. Ryan and Company. (See McCormick, Joseph A., assignor.)						
J. L. Mott Iron Works. (See Hooper, Louis M., assignor.)						
J. M. Kohler Sons Company. (See Kohler, Walter J., assignor.)						
J. W. Paxson Co. (See Barnes, Samuel E., assignor.)						
J. W. Paxson Company. (See Hall, Frederick W., assignor.)						
J. W. Reedy Elevator Manufacturing Company. (See Williams, Parker M., assignor.)						
Jack, George R., Lockeford, Cal. Rodent-killing machine	756,370	Apr. 5	363	74	109	1421

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Jack, Joseph H., Dayton, Ohio. Dumping-wagon	776,594	Dec. 6	256	56	113	1486
Jack, William, London, England, assignor of one-half to D. Whitecar, Philadelphia, Pa. Boiler	762,297	June 7	1183	253	110	1696
Jackley, Archer J., Cameron, W. Va. Folding chair	763,490	June 28	3725	803	110	1810
Jackman, Daniel H., Maywood, Ill. Carrier for pneumatic tubes	755,878	Mar. 29	5209	1152	109	1206
Jackman, Daniel H., Maywood, Ill., assignor to Universal Pneumatic Transmission Co., Jersey City, N. J. Upward-discharge terminal for pneumatic tubes	777,899	Dec. 20	2857	629	113	2080
Jackman, David K., assignor to Duplex Vendor Company, Poughkeepsie, N. Y. Vending apparatus	764,360	July 5	916	188	111	202
Jackman, Stephen E., New York, N. Y. Inclined railway	749,676	Jan. 12	2288	482	108	531
Jackman, Stephen E., New York, N. Y. Inclined railway	749,677	Jan. 12	2289	483	108	531
Jackman, Stephen E., New York, N. Y. Brake mechanism for inclined railways	749,691	Jan. 12	2320	489	108	538
Jackman, Stephen E., New York, N. Y. Railway	730,242	Jan. 19	3383	731	108	784
Jackman, Wilbert J., Lima, Ohio. Post-anchor	772,515	Oct. 18	2646	581	112	1568
Jackson, Albert C., Harrison, Tenn., assignor to American Arithmometer Company, St. Louis, Mo. Calculating-machine	756,168	Mar. 29	5740	1268	109	1321
Jackson, Alfred M. (See St. Louis and Jackson.)						
Jackson, Benjamin A. (See Dunn, Hugh T., assignor.)						
Jackson, Benjamin F., Boston, Mass. Trolley-wheel controller	771,206	Sept. 27	3982	843	112	942
Jackson, Benjamin F., assignor to himself and F. W. Geist, Boston, Mass. Tank-signal	773,747	Nov. 1	408	89	113	97
Jackson, Bessie F., New York, N. Y. Shade-roller	756,238	Apr. 5	90	19	109	1361
Jackson, Byron D., Altoona, Pa. Bolt-turning head	760,993	May 24	4797	1020	110	1120
Jackson, Carl H. (See McIntosh, William M., assignor.)						
Jackson, Charles C., Osborn, Ohio. Coin-changer	750,976	Feb. 2	363	88	108	1138
Jackson, Chester H., Portland, Me. Weatherproof pole-switch	761,230	May 31	5297	1125	110	1246
Jackson & Corbett Bridge and Steel Works (See Jackson, George W., assignor.)						
Jackson Cushion Spring Company. (See Sanford, Adelbert H., assignor.)						
Jackson Cushion Spring Company. (See Thayer, Adelbert H., assignor.)						
Jackson, Cyrus W., assignor of one-half to J. A. Minturn, Indianapolis, Ind. Making mush	776,471	Nov. 29	5908	1246	113	1402
Jackson, Daniel, St. George, Canada. Wagon-axle	765,840	July 26	3910	833	111	890
Jackson, Daniel C., Madison, Wis. Telephone-transmitter	764,055	July 5	281	54	111	64
Jackson, E. Hilton, et al., trustees. (See Cahill, Phaddeus, assignor.)						
Jackson, Edwin, Manningham, Bradford, assignor of one-half to W. H. Jackson, Melrose, England. Machine for cutting dovetails	758,839	May 3	515	104	110	123
Jackson, Eliot G., San Francisco, Cal. Puzzle	771,072	Sept. 27	3723	785	112	886
Jackson, Elva A. (See Van Horn, William, assignor.)						
Jackson, Ernest W., Sausalito, Cal. Oil-burner	759,445	May 10	1763	356	110	419
Jackson, Ernest W., Sausalito, Cal. Hydrocarbon-furnace	777,789	Dec. 20	2587	574	113	2027
Jackson, Francis, Oakland, Cal. Closet-cistern and valve therefor	758,790	May 3	774	155	110	179
Jackson, Frank, Denver, Colo. Chain-tightener	752,074	Feb. 16	2427	548	108	1616
Jackson, Frank, Denver, Colo. Battery-holder	772,415	Oct. 18	2435	534	112	1523
Jackson, Fred. (See Smith, George W., assignor.)						
Jackson, Freeman L., et al. (See Parker, Alexander, assignor.)						
Jackson, George W., Chicago, Ill. Tunnel-bar	751,389	Feb. 2	963	219	108	1361
Jackson, George W., Pond Creek township, Green county, Mo. Doorway and door for beehives	768,370	Aug. 23	4557	957	111	2105
Jackson, George W., assignor to Jackson & Corbett Bridge and Steel Works, Chicago, Ill. Temporary supporting-form for masonry structures	749,735	Jan. 19	2430	516	108	579
Jackson, George W., and C. Hogan, Chicago, Ill. Pile	758,056	May 3	94	80	110	25
Jackson, Isaac, Glossop, England. Belt-fastener	754,567	Mar. 15	2720	501	109	628
Jackson, James. (See Roach and Jackson.)						
Jackson, James, Chicago, Ill. Ash-separator	769,165	Sept. 6	49	12	112	13
Jackson, James M., Cannon, Tex. Coupling for sewing-machines	749,235	Jan. 12	1527	324	108	367
Jackson, James T., Corsicana, Tex. Pneumatic cotton elevator and distributor	777,024	Dec. 6	6128	245	113	1677
Jackson, Jesse A., assignor of one-third to D. V. Deuel, Oakland, Cal. Ripping-saw projector	768,663	Aug. 30	5194	1092	111	2267
Jackson, John W., Weston, Mo. Druggist's mass-divider	759,891	May 17	2631	1550	110	625
Jackson, John W., Richmond, Va. Machine for molding building-blocks	776,137	Nov. 29	5263	1113	113	1255
Jackson, John W., Cairo, assignor to W. A. Morgan, Eastman, Ga. Cane-stripper	760,208	May 17	3257	683	110	766
Jackson, Malery R., Tipton, Iowa. Horseshoe-calk	763,669	June 28	4056	883	110	2381
Jackson, Mark P., Newton Center, Mass. Temporary binder	752,559	Feb. 16	3348	744	108	1821
Jackson, Oswald, Carrollton, Ill. Valve-gear for engines	758,317	Apr. 26	4220	907	109	2303
Jackson, Oswald, Carrollton, Ill. Valve-gear for engines	758,365	Apr. 26	4309	925	109	2321
Jackson, Peter H., San Francisco, Cal. Floor, sidewalk, roof, or like support	749,440	Jan. 12	1840	383	108	433
Jackson, Peter H., San Francisco, Cal. Locking and interlocking attachment for sidewalk elevator-doors	763,609	June 28	3933	856	110	2354
Jackson, Peter H., San Francisco, Cal. Illuminating-tile	774,390	Nov. 8	1639	351	113	386
Jackson, Peter H., San Francisco, Cal. Illuminating-tile construction	775,626	Nov. 22	4260	900	113	1017
Jackson, Ray P., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controller	774,943	Nov. 15	2765	593	113	653
Jackson, Robert A., Norristown, Pa. Pipe-cutter	760,128	May 17	3101	648	110	738
Jackson, Samuel W., assignor of one-half to J. W. Hudson, Selma, Cal. Stove	762,388	June 14	1922	414	110	1874
Jackson Skirt & Novelty Co. (See Smith and Mainlight, assignors.)						
Jackson, Thomas H., Montclair, N. J. Cleaning fluid	767,279	Aug. 9	2337	111	117	1576
Jackson, Uriah S., Ossipee, N. H., assignor to Superior Automatic Telephone Company, Boston, Mass. Telephone-service apparatus	750,769	Jan. 26	4423	952	108	1029
Jackson, Uriah S., assignor to Superior Automatic Telephone Company, Boston, Mass. Telephone-service apparatus	750,770	Jan. 26	4424	953	108	1030
Jackson, Uriah S., assignor to Superior Automatic Telephone Company, Boston, Mass. Telephone-service apparatus	761,382	May 31	5602	1193	119	1313
Jackson, Walter E., and A. G. Adkins, Portland, Ore. Excavator	773,259	Oct. 25	4279	905	112	1951
Jackson, William A. (See Bartlett, Downs, and Tillman, assignors.)						
Jackson, William A., Altoona, Pa. Wrench	767,344	Aug. 9	2448	513	111	1600
Jackson, William G., assignor of one-half to J. A. McCormick, San Francisco, Cal. Device for trimming and paring hoofs						
Jackson, William H. (See Jackson, Edwin, assignor.)						
Jackson, William N. (See Landers and Jackson.)						
Jackson, William S., Hoboken, assignor of one-half to D. Young, Newark, N. J. Electric railway-signal	758,594	Apr. 26	4757	1025	109	2423

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Jackson, William U., Heath Town, and F. H. Lloyd, Lichfield, England. Machinery for the manufacture of metallic tubes, &c.	752,980	Feb. 23	4216	940	108	2031
Jacob, Alfred P., New York, N. Y. Lead-pencil	775,423	Nov. 22	3816	807	113	320
Jacob, Anna L., Lucknow, India. Lady's toilet-table and traveling trunk combined	757,661	Apr. 19	2916	634	109	1948
Jacob, Bartholomew, Port Washington, N. Y. Match	763,670	June 28	4057	888	110	2381
Jacobie, Walter L., Glens Falls, N. Y. Backing-strip-applying machine.	758,657	May 3	97	80, 81	110	26
Jacobs, Charles, New York, N. Y. Compound for coating bricks, plastering, &c	758,658	May 3	101	.....	110	26
Jacobs, Francis T., Newton, Kans. Wind-wheel regulator	769,098	Aug. 30	6049	1266	111	2458
Jacobs, Henry. (See Gugenheim, Capiton, Herrick, and Jacobs.)						
Jacobs, Jacob, Brooklyn, N. Y. Illuminating-tile	753,078	Feb. 23	4399	978	108	2072
Jacobs, James W., Jeffersonville, Ind. Under-shot water-wheel	760,869	May 24	4558	971	110	1069
Jacobs, Johan R., The Hague, Netherlands. Projectile	753,272	Mar. 1	107	27	109	26
Jacobs, John E. (See Schmidt and Jacobs.)						
Jacobs, John H., Chicago, Ill. Ruler	753,886	Mar. 8	1341	302	109	310
Jacobs, John J., Chicago, Ill. Combined stage and circus-ring	755,879	Mar. 29	5211	1152	109	1206
Jacobs, Solomon R., New York, N. Y. Cloth-cutter	756,501	Apr. 5	614	133	109	1474
Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Baling-press	753,402	Mar. 1	335	75, 76	109	75
Jacobs, William L., assignor to Eli Lilly & Company, Indianapolis, Ind. Book-leaf-margin cutting	761,299	May 31	5441	1156	110	1276
Jacobs, William S., Malden, Mass. Tool for seating rubber tires in rim-channels.	748,933	Jan. 5	773	167	108	176
Jacobsen, Hugo, Kankakee, Ill. Wrench	777,025	Dec. 6	1190	246	110	1678
Jacobsen, Jacob, Chicago, Ill. Machine for forming and setting bushings.	758,364	Apr. 26	4307	925	109	2321
Jacobsen, Nicolay, Christiania, Norway, assignor to E. Klaveness, Brookings, S. D. Massage instrument	749,690	Jan. 12	2316	488	108	537
Jacobsen, Soren S., Bellevue, Pa. Gate-valve	751,735	Feb. 9	1760	400	108	1450
Jacobson, Alex J., Hamburg, Germany. Galvanic battery	768,180	Aug. 23	4188	890	111	2023
Jacobson, Charles and J. Warren, Pa. Lubricator	765,387	July 19	2972	622	111	679
Jacobson, Edward B., assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. Brush and brush-holder for magneto-electric machines	760,175	Sept. 13	1947	415	112	455
Jacobson, Edward B., West Somerville, assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. Spark-plug	774,432	Nov. 8	1711	366	113	400
Jacobson, Edward B., Pittsfield, and E. Blasser, Boston, Mass. Electric lock	767,757	Aug. 16	3248	694	111	1798
Jacobson, Gustav E., Newark, N. J., assignor to Essex Electrical Company, Motor-fan	776,026	Nov. 29	5060	1068	113	1209
Jacobson, Gustav E., and C. Anderson, Newark, N. J., assignors to Essex Electrical Company, Motor-casing	774,077	Nov. 1	1079	231	113	244
Jacobson, Jacob. (See Jacobson, Charles and J.)						
Jacobson, Jacob, Lead, S. D. Metallic packing	772,714	Oct. 18	3031	605	112	1652
Jacobson, John, New York, assignor to C. A. Miller, New Rochelle, N. Y. Photographically producing plates	761,887	June 7	556	110	110	1561
Jacobson, Peter, Milwaukee, Wis. Railway air-brake	768,371	Aug. 23	4559	958	111	2105
Jacobson, Samuel H., New York, N. Y., assignor to National Ventilating Company, Newark, N. J. Ventilator	757,465	Apr. 19	2511	551	109	1907
Jacobson, Samuel H., New York, N. Y., assignor to National Ventilating Company, Newark, N. J. Ventilator	761,680	June 7	115	20	110	1464
Jacoby, Elmer A., Pennsburg, Pa. Railway-tie	760,336	May 17	3488	734	110	818
Jacoby, Frank C., Arlington, Ill. Loading apparatus	769,346	Sept. 6	419	95	112	92
Jacoby, John C., assignor to M. L. Jacoby and C. W. McCool, Ashland, Ohio. Twine-holder	777,513	Dec. 13	2055	452	113	1896
Jacoby, John F. (See Robins and Jacoby.)						
Jacoby, Martha L., et al. (See Jacoby, John C., assignor.)						
Jacoby, Samuel, San Francisco, Cal. Hermetically-sealed metal box.	758,255	Apr. 26	4081	883	109	2271
Jacoby, William H., Minneapolis, Minn. Fish-line float	778,669	Dec. 27	4370	955	113	2419
Jacoby, William L., Maywood, Ill., assignor to Latrobe Steel & Coupler Company, Philadelphia, Pa. Car-coupling	748,740	Jan. 5	348	77	108	77
Jacquemin, Eugene, assignor of one-fourth to D. H. Howell, Minneapolis, Minn. Dust-guard	757,466	Apr. 19	2513	551	109	1908
Jacques, Charles A., assignor to Bawo and Dotter, New York, N. Y. Chiming-clock	760,700	May 17	2977	622	110	706
Jacques, Charles A., New York, N. Y., assignor to Bawo and Dotter. Clock chiming and repeating mechanism	768,899	June 28	4505	982	110	2476
Jacques, Oscar R., Manchester, N. H. Shuttle-threader	748,954	Jan. 5	774	168	108	176
Jacques, Wilfrid, Woonsocket, R. I. Edge-tool sharpener	751,077	Feb. 2	543	127	108	1178
Jacques, William W., Boston, Mass. Telephone-circuit	767,818	Aug. 16	3378	716	111	1826
Jacquet, Charles A. M. (See Josserand and Jacquet.)						
Jaeger, Alexander, Philadelphia, Pa. Show-case	774,078	Nov. 1	1081	232	113	244
Jaeger, Christian, et al. (See Selg and Guntrum, assignors.)						
Jaeger, Ferdinand, New York, N. Y. Mirror	751,290	Feb. 2	965	220	108	1282
Jaeger, Ferdinand, New York, N. Y. Head-rest for hats	751,291	Feb. 2	966	220	108	1282
Jaeger, Ferdinand, New York, N. Y. Head-rest for hats	773,644	Nov. 1	307	46	113	50
Jaeger, Ferdinand, New York, N. Y. Head-rest for hats	776,065	Nov. 29	5126	1084	113	1223
Jaeger, Gebhard, Eschburg, Pa., assignor to Hayden Automatic Block Machine Company, Columbus, Ohio	777,676	Dec. 20	2386	525	113	1901
Jaeger, Gebhard, assignor to Hayden Automatic Block Machine Company, Columbus, Ohio. Apparatus for making tiles	765,579	July 19	3352	704	111	760
Jaeger, Otto. (See Caldwell and Jaeger.)						
Jaeger, Otto, Philadelphia, Pa. Vending apparatus	770,586	Sept. 20	2758	1584	112	656
Jaeger-Rainer, Joseph A., New York, N. Y. Ladder	766,445	Aug. 2	595	126	111	1170
Jaehn, Charles F., St. Louis, Mo. Driving-gear	738,659	May 3	101	21	110	26
Jaehn, Charles F., St. Louis, Mo. Driving-gear	761,494	May 31	5789	1238	110	1357
Jaehn, Charles F., St. Louis, Mo. Driving-gear	761,495	May 31	5791	1238	110	1357
Jaehnig, Paul H., Newark, N. J., assignor to Electric Motor & Equipment Co. Circuit-controller	760,209	May 17	3259	683	110	766
Jaenicke, H. (See Lorang, Peter, assignor.)						
Jaffé, Sally, Posen, Germany. Apparatus for developing roller-films in daylight	761,076	May 31	5000	1061	110	1182
Jagau, Fritz, et al. (See Birkenstamm, Christoph F., assignor.)						
Jager, Charles J., Boston, Mass. Vaporizing-carbureter for internal-combustion engines	774,079	Nov. 1	1082	232	113	244
Jager, John N. (See Stray and Jager.)						
Jagerspacher, Karl, and T. Krüber, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Blue azo dye and making same	759,284	May 10	1450	.....	110	352
Jagger, Hubert A., Southampton, N. Y. Strainer attachment for spraying-pumps	751,918	Feb. 9	2123	478	108	1531
Jagner, Joseph. (See Dimick and Jagner.)						
Jahn, Fredrik, Ridley Park, assignor to Harrison Bros. & Co., Incorporated, Philadelphia, Pa. Manufacture of briquet hydrate	775,752	Nov. 22	4501	954	113	1068
Jahn, Herman, Chicago, Ill. Buug-lock	772,516	Oct. 18	2647	581	112	1568

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Jahn, John, Jr. (See Cobb, Lyman H., assignor.)						
Jahn, John, Jr. (See Hendricks, Clark, assignor.)						
Jahn, John, Jr. Riverside, Cal. Rotary engine	763,982	July 5	106	17	111	31
Jahnke, Frederick C., Lonetree, Iowa. Poultry-roost	775,003	Nov. 22	4210	886	113	1006
Jahraus, Edwin M., Dayton, Ohio. Pneumatic dry ore-separator	750,336	Jan. 26	3613	784	108	855
Jahraus, Edwin M., Dayton, Ohio. Ore-concentrator	750,367	Jan. 26	3616	785	108	856
Jakob, Benedict, Stonehill, Mo. Grain-separator	771,398	Oct. 4	297	65	112	1024
Jakob, Gottfried, Allegheny, Pa. Tennis-marker	776,329	Nov. 29	5680	1191	113	1335
Jakobsson, Herman G. (See Meigs and Jakobsson.)						
James A. Dubnar Manufacturing Co. (See Stanley, Merritt F., assignor.)						
James, Archie T. (See Stewart, Charles C., assignor.)						
James Automatic Testing and Recording Scale Company. (See James, Ulysses S., assignor.)						
James, Charles. (See Roberts, James, and Young.)						
James, Daniel A., assignor to Baker-McMillen Company, Akron, Ohio. Spirit-level	778,130	Dec. 20	3317	728	113	2173
James, Daniel A., assignor to Baker-McMillen Company, Akron, Ohio. Spirit-level	778,131	Dec. 20	3318	728	113	2173
James, David, Coffeyville, Kans. Coin-controlled operating mechanism	764,056	July 5	282	54, 55	111	64
James, Edward, Pittsburg, assignor of one-half to W. G. Gordon, Edgewood borough, Allegheny county, Pa. Metallic packing	758,494	Mar. 1	514	119	109	113
James, Harry G., Dulwich, assignor to Lustre Lamp Light Syndicate, Limited, London, England. Lamp-wick	765,976	July 26	4153	887	111	945
James, Henry F., Franklin, Pa. Winding or hoisting drum	757,622	Apr. 19	2851	621	108	198
James, John W. H., Philadelphia, Pa. Manufacture of white lead	750,541	Jan. 26	3964	108	112	902
James, John W. H., Philadelphia, Pa. Levigating-mill	776,472	Nov. 29	5904	1246 (1247)	113	1408
James, Joseph H., Fort Scott, Kans. Sad-iron	761,888	June 7	453	92	110	1540
James Keith & Blackman Company. (See Keith and Wardle, assignors.)						
James Keith & Blackman Company. (See Mantell and Prim, assignors.)						
James L. Howard & Company. (See Howard, Charles P. and F. E., assignors.)						
James Rees Sons' Company. (See McCall, Harry M., assignor.)						
James, Roswell G., Louisville, Ky., assignor of one-half to A. F. Callahan, Chicago, Ill. Core element	767,409	Aug. 16	2579	544	111	1647
James, Roswell G., Louisville, Ky., assignor of one-half to A. F. Callahan, Chicago, Ill. Producing core elements	767,410	Aug. 16	2582	544	111	1648
James Smith Woolen Machinery Company. (See Hill, Robert J., assignor.)						
James, Thomas. (See Alberty and Nixon, assignors.)						
James, Thomas S., London, England. Steam or internal-combustion engine or motor	749,864	Jan. 19	2666	570 (571) (110)	108	630
James, Ulysses S., Anaconda, Mont., assignor to James Automatic Testing and Recording Scale Company. Automatic testing and recording machine for weighing machines or scales	764,192	July 5	559	112 (113) (114) (261)	111	124
James, Ulysses S., assignor to James Automatic Testing and Recording Scale Company, New York, N. Y. Weighing apparatus	764,530	July 5	1265	261 (262)	111	276
James, Willard C., Cucamonga, Cal. Wardrobe, closet, &c.	750,193	Jan. 19	3285	710	108	762
James, Willard C., Cucamonga, Cal. Apartment-house	756,371	Apr. 5	364	75, 76	109	1421
James, Willard C., Cucamonga, Cal. Space-economizing house construction	771,153	Sept. 27	3884	819	112	922
James, Willard C., Los Angeles, Cal. Apartment construction	771,154	Sept. 27	3886	820	112	923
James, William M., New Brighton, Minn. Telephone selecting device	761,888	June 7	557	111	110	1564
James, William T., Chicago, Ill. Apparatus for making castings	758,660	May 3	103	21, 22	110	37
James, William T., Chicago, Ill. Conveyor-bucket	758,661	May 3	105	23	110	37
James, William T., Chicago, Ill. Conveyor	758,662	May 3	108	23, 24	110	38
James, William T., Chicago, Ill. Conveyor	777,375	Dec. 13	1790	397	113	1836
James, William T., Chicago, Ill. Conveyor	777,376	Dec. 13	1792	397 (398)	113	1836
James, William T., Chicago, Ill. Conveyor	777,377	Dec. 13	1795	398	113	1839
Jameson, Winthrop M., Boston, Mass. Form for making twisted-wire hat-frames	775,173	Nov. 15	3231	692	113	762
Jameson, Winthrop M., Cambridge, Mass. Device for forming wire hat-frames	775,174	Nov. 15	3234	693	113	762
Jameson, Winthrop M., Cambridge, Mass. Device for forming wire hat-frames	775,175	Nov. 15	3238	693	113	763
Jameson, James A., Montreal, Canada. Storage-bin	752,841	Feb. 23	3910	876	108	1960
Jameson, James A., Montreal, Canada. Elevator-bin	777,730	Dec. 20	2479	547	113	2003
Jameson, Robert, assignor to Draper Company, Hopedale, Mass. Means for preventing warp breakage in looms	753,198	Feb. 23	4610	1027	108	2119
Jameson, Robert, assignor to Draper Company, Hopedale, Mass. Picker-check for looms	760,994	May 24	4798	1021	110	1120
Jameson, William, and F. J. Odling, Melbourne, Victoria, Australia. Separating zinc-blende from ores	750,034	Jan. 19	3002	643	108	703
Janison, Albert W. (See Janie and Janison.)						
Janison, Nehemiah, Mansfield, Ohio. Nut-lock	753,273	Mar. 1	108	27	109	27
Janison, Nehemiah, Mansfield, assignor of one-half to H. M. Bennett, Columbus, Ohio. Switch-lever lock	771,155	Sept. 27	3888	820	112	923
Janata, Frank, Chicago, Ill. Automatic vending-machine	764,892	July 12	2036	421 (422)	111	462
James, William D., Saginaw, assignor to Quaker Shade Roller Company, Bay City, Mich. Device for attaching window-shades to rollers	766,257	Aug. 2	243	46	111	1093
Janesville Barb Wire Company. (See Harris, James, assignor.)						
Janesville Machine Company. (See Heylman, Edward M., assignor.)						
Janik, Eduard, Lemberg, Austria-Hungary. Automatic coin-delivering apparatus	776,784	Dec. 6	633	139 (140) (141)	113	1566
Janik, Frank, assignor of one-half to G. Winternitz, New York, N. Y. Trunk	762,636	June 14	2018	437	110	1895
Janney, Eli H., Fairfax county, Va. Car-coupling	766,042	July 26	4280	917	111	970
Janowitz, Julius. (See Rubin, Max and L., assignors.)						
Jansen, Carl K., and F. Eisbrenner, Tilsonburg, Canada. Blank for forming pitchforks	761,681	June 7	118	20	110	1465
Jansen, Carl K., and F. Eisbrenner, Tilsonburg, Canada. Blank for forming pitchforks	773,289	Oct. 25	4342	917	112	1965
Janson, Carl A., Chicago, Ill. Churn	768,751	Aug. 30	5375	1132	111	2307
Janssen, Henry, assignor to Textile Machine Works, Incorporated, Wyomissing, Pa. Braiding-carrier	753,199	Feb. 23	4612	1027	108	2120
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Wire-covering mechanism	771,780	Oct. 4	1095	246	112	1193
Jansson, Johan A., Stockholm, Sweden. Automatic let-off motion for looms	755,011	Mar. 22	3567	782	109	831
Jansson, Karl E. O., assignor to Plunger Elevator Company, Worcester, Mass. Mechanism for operating automatic valves of elevators	777,635	Dec. 13	2304	506	113	1948

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Jansson, Karl E. O., assignor to Plunger Elevator Company, Worcester, Mass. Operation of automatic valves of elevators	777,636	Dec. 13	2307	507	113	1949
Januliewicz, Stefan, Wilmington, Del. Means for preparing liquid food	769,401	June 28	3557	766	110	2274
Jaques, William E., Grand Rapids, Mich. Making products of cement or cementitious material	764,361	July 5	929	189	111	205
Jaques, William E., Grand Rapids, Mich. Machine for making products of plastic material	768,127	Aug. 23	4089	861	111	2003
Jaques, William E., assignor to A. O. Crozier, Grand Rapids, Mich. Making cementitious products or artificial stone	748,611	Jan. 5	99	26	108	23
Jaques, William E., assignor to A. O. Crozier, Grand Rapids, Mich. Machine for making cement or cementitious products	766,380	Aug. 2	250	48	111	1095
Jaquith, Eugene H., Clinton, Mass. Package fastener	773,616	Dec. 27	3679	802	113	2268
Jaquith, George H., Chicago, Ill. Can-opener	769,166	Sept. 6	52	13	112	14
Jarboe, Wilson T., Winfield, Md. Rein-support	776,400	Nov. 29	5759	1219	113	1368
Jardine, Charles G., Buffalo, N. Y. Speaking-tube	771,642	Oct. 4	832	187	112	1137
Jardine, John T., Paso Robles, Cal. Self-adjusting grain-shoe	748,741	Jan. 5	350	77	108	78
Jardine, Robert, assignor to Berg Automobile Company, Cleveland, Ohio. Controlling mechanism for explosive-engines	738,076	Apr. 26	3737	812	109	2194
Jardine, Robert, assignor to Berg Automobile Company, Cleveland, Ohio. Radiating condensing-coil	758,077	Apr. 26	3738	812	109	2195
Jardine, Robert, assignor to Berg Automobile Company, Cleveland, Ohio. Means for storing liquids	758,078	Apr. 26	3740	812	109	2195
Jarman, Alfred R., Hackensack, N. J., assignor, by mesne assignments, to Elliott-Fisher Company. Type-writing machine	754,454	Mar. 15	2498	544	109	581
Jarman, James B., assignor to American Plow Company, Madison, Wis. Plow	757,130	Apr. 12	1807	396	109	1742
Jarman, James B., assignor to American Plow Company, Madison, Wis. Manufacture of landsides for plows	775,424	Nov. 22	3317	807	113	920
Jarman, James B., Davenport, Iowa, assignor to American Plow Company, Madison, Wis. Plow	766,258	Aug. 2	244	47, 48	111	1094
Jarrard, Lloyd T., Battlecreek, Mich. Sprinkler	766,259	Aug. 2	249	48	111	1095
Jarrell, William, Fort Smith, assignor of one-half to R. A. and S. T. Rowe, Greenwood, Ark. Nut-lock	767,694	Aug. 16	3148	658	111	1775
Jarrett, Charles, Drayton, Pa. Endless conveyor for pipe-mills	751,795	Feb. 9	1868	426	108	1473
Jarrett, Edwin S., et al. (See Moran, Daniel E., assignor.)						
Jarrett, George, Tunbridge Wells, England. Window blind or shutter	749,966	Jan. 19	2868	613	108	674
Jarrett, Guy E., Holton, Kans. Cuspidor	764,663	July 12	1588	324	111	863
Jarry, Henry J., assignor of one-half to J. A. McLane, Fall River, Mass. Picker-stick check	752,342	Feb. 16	2936	654	108	1731
Jarry, Henry J., Worcester, and J. Regan, New Bedford, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Stop-motion for looms	770,467	Sept. 20	2521	537	112	602
Jarvis, Albert, and W. H. Lane, Berkley, Va. Tool attachment	756,197	Mar. 29	5784	1278	109	1329
Jarvis, Edgar B., Toronto, Canada. Reinforced concrete	778,247	Dec. 27	3535	776	113	2238
Jarvis, Edgar B., Toronto, Canada. Molding-form for concrete walls	778,583	Dec. 27	4211	918	113	2382
Jarvis, Edward A., Port Richmond, N. Y. Means for safely conducting electric currents	760,740	May 24	4311	915	110	116
Jarvis, Harold, assignor to Jarvis Typewriter & Tabulator Company, Buffalo, N. Y. Tabulating mechanism for type-writing machines	775,925	Nov. 29	4855	1024	113	1156
Jarvis, Harold, and M. H. Blakeslee, Buffalo, N. Y.; said Blakeslee assignor to said Jarvis. Type-writing and tabulating machine	753,796	Mar. 1	1152	259	109	247
Jarvis, John, Kensington, England. Cycle-saddle for supporting rifles or other articles	749,865	Jan. 19	2668	571	108	630
Jarvis, Nelson, assignor of one-half to W. H. Brown, Jewett City, Conn. Cloth-winding machine	759,376	May 10	1639	332	110	391
Jarvis Simmons & Company. (See Marsh, Howard E., assignor.)						
Jarvis, Thompson P., assignor of one-half to A. C. Lewis, San Francisco, Cal. Receptacle and distributor for liquid soap	766,624	Aug. 2	992	208	111	1262
Jarvis Typewriter & Tabulator Company. (See Blakeslee, Manley H., assignor.)						
Jarvis Typewriter & Tabulator Company. (See Jarvis, Harold, assignor.)						
Jas, Francois, Paris, France. Apparatus for the purification of gas.	754,773	Mar. 15	3111	679	109	715
Jas, Francois, Paris, France. Carbureter	754,774	Mar. 15	3112	679	109	715
Jas. H. Smith & Co. (See Smith and Brown, assignors.)						
Jasper, Henry N., Sr., Akron, Ohio. Mold	764,193	July 5	578	114	111	128
Javaux, Emile, and A. M. L. Barbot, Paris, France. Continuous-current dynamo	761,682	June 7	119	20	110	1465
Jaxheimer, William H., Columbus, Ohio. Shoe-lace fastener	764,057	July 5	286	55	111	65
Jayne, Benaiah G., New York, N. Y. Stave jointing and shaping machine	762,312	June 14	1349	289	110	1753
Jayne, Horace. (See Greenman and Jayne.)						
Jeanmaire, Paul, Muhlhausen, and R. Ehn, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Printing with indanthrene	772,237	Oct. 11	2079	-----	112	1422
Jeavons, William R., Cleveland, Ohio. Hydrocarbon-burner	766,358	Aug. 2	435	92	111	1136
Jeavons, William R., Cleveland, Ohio. Blue-flame oil-burner	775,903	Nov. 22	4783	1014	113	1127
Jebson, Fridtjof. (See Kirkegaard, Georg, assignor.)						
Jebson, Fridtjof, New York, N. Y. Means for yieldingly supporting the bowls of centrifugal liquid-separators	766,261	Aug. 2	251	48, 49	111	1095
Jedlicka, Karl, assignor to Society of Chemical Industry in Basle, Basle, Switzerland. Violet tetrazo dye and making same	759,613	May 10	2091	-----	110	490
Jedlicka, Karl, and A. Schedler, assignors to Firm of Society of Chemical Industry in Basle, Basle, Switzerland. Orange tetrazo dye and making same	763,761	June 28	4235	-----	110	2420
Jeters, S. R. (See Fawell, Scott M., assignor.)						
Jefferson, Charles W., Schenectady, assignor to Mica Insulator Company, New York, N. Y. Treating pieces of mica or other material to prepare them for adhesive union with each other or with other articles	764,810	July 12	1871	384	111	425
Jefferson, Charles W., Schenectady, assignor to Mica Insulator Company, New York, N. Y. Means for treating pieces of mica to prepare them for adhesive union with each other or with other articles	764,811	July 12	1876	385	111	426
Jefferson, Charles W., Schenectady, assignor to Mica Insulator Company, New York, N. Y. Electrical insulator	764,812	July 12	1882	386	111	427
Jefferson, Eugene D., Lowell, Mass. Vomiting-keir	775,450	Nov. 22	3864	818	113	930
Jefferson, Frederick, West Bromwich, England. Carbon-sheet holder	763,762	June 28	4237	923	110	2421
Jefferson, George F., Brooklyn, N. Y. Show-window	749,678	Jan. 12	2290	484	108	532
Jefferson, Isaac, Langston, Okla. Ter. Jack	772,238	Oct. 11	2081	454	112	1422
Jeffery, Arthur, Haywards Heath, England. Melting and applying marine glue, &c.	761,300	May 31	5442	1156	110	1276
Jeffery, Arthur, Haywards Heath, England. Apparatus for melting and distributing adhesives	761,301	May 31	5444	1157	110	1277

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Jeffery, Arthur, Haywards Heath, England. Paying apparatus.	761,302	May 31	5446	1157	110	1277
Jeffery, Arthur, Haywards Heath, England. Paying apparatus.	761,303	May 31	5449	1158	110	1278
Jeffery, Jefferson, Newcastle, Pa. Hose-coupling.	748,742	Jan. 5	332	78	108	78
Jeffery, Thomas B. (See Symmonds, Robert, assignor.)						
Jeffery, Thomas B., Kenosha, Wis. Radiator for cooling fluids.	764,727	July 12	1710	350	111	390
Jeffords, Fred M. and L. W., Kansas City, Mo. Floor-clamp.	764,128	July 5	430	84	111	94
Jeffords, Lowell W. (See Jeffords, Fred M. and L. W.)						
Jeffords, Stephen V., Waycross, Ga. Vine-cutter.	763,763	June 28	4238	924	110	2421
Jeffrey, Andrew R., Washington, Pa. Farm implement.	768,459	Aug. 23	4732	996	111	2154
Jeffrey, Harry, Allegheny, Pa. Combination-die for forging-machines.	757,197	Apr. 12	1967	429	109	1780
Jeffrey, Joseph A. (See Aultman, Thomas G., assignor.)						
Jeffrey, Joseph A. (See Aultman and Gaskill, assignors.)						
Jeffrey, Joseph A. (See Collins, James M., assignor.)						
Jeffrey, Joseph A. (See Dierdorff, Henry B., assignor.)						
Jeffrey, Joseph A. (See Sessions, Frank L., assignor.)						
Jeffrey, Joseph A. (See Sessions and Norris, assignors.)						
Jeffrey, Joseph A. (See Slocum, John C., assignor.)						
Jeffrey, Joseph A. (See Webster, Alfred J., assignor.)						
Jeffrey, Joseph A. (See Willson, Freeman E., Jr., assignor.)						
Jeffrey, Joseph A., Columbus, Ohio. Mining-machine.	751,919	Feb. 9	2124	478 479	108	1531
Jeffrey Manufacturing Company. (See Bighouse, Henry H., assignor.)						
Jeffrey Manufacturing Company. (See Palmros, Alexander, assignor.)						
Jeffries, Thompson, Pittsburg, Ky. Hinge for mine-doors.	749,561	Jan. 12	2080	432	108	487
Jeffries, Van Oran, assignor of one-half to J. Strader, Columbus, Ohio. Running-gear for vehicles.	755,228	Mar. 22	3944	873	109	911
Jettles, Edwin J. (See Roedel, Clarence H., assignor.)						
Jetks, Edwin B., Quitman, Ga. Spatula and cork-extractor.	759,714	May 10	2275	470	110	531
Jenckes, Wald W., assignor to Milford Company, Milford, Mass. Shoe.	760,870	May 24	4559	971	110	1070
Jenckes, George W., Rochester, N. Y. Attacher for stamps, &c.	751,516	Feb. 9	1647	307	108	1364
Jenkin, Robert. (See Cunningham and Jenkin.)						
Jenkins, Benjamin B., Toronto, Canada. Sander for cars.	759,377	May 10	1341	333	110	391
Jenkins, Charles, Yorkshire, N. Y. Potato-planter.	771,369	Oct. 4	298	66	112	1025
Jenkins, Charles D. (See Jenkins, Charles H., assignor.)						
Jenkins, Charles D., Boston, Mass. Machine for forming briquets.	762,906	June 21	2574	559 560	110	2035
Jenkins, Charles H., Somerville, assignor to C. D. Jenkins, Winchester, Mass. Manufacture of cast glass pipes.	756,022	Mar. 29	5492	1212	109	1367
Jenkins, Edward W., Norristown, Pa. Knot-tying device for grain-binders.	769,347	Sept. 6	420	95, 96	112	92
Jenkins, George O., Whitman, Mass. Band-knife skiving-machine.	775,564	Nov. 22	4133	869 870	113	988
Jenkins, Grace L., Washington, D. C. Moving-picture apparatus.	765,580	July 19	3255	704	111	760
Jenkins, Grace L., Washington, D. C. Device for exhibiting pictures.	765,621	July 19	3430	723	111	777
Jenkins, Howard M., Allegheny, Pa. Device for opening or closing elevator-doors.	763,184	June 21	3110	669 670	110	2155
Jenkins, James, Buckley, Wash. Combination-tool.	750,284	Jan. 26	3464	749	108	890
Jenkins, Joel, Montclair, N. J. Clasp.	763,343	June 21	3399	740	110	2218
Jenkins, Joel, Montclair, assignor to Jenkins Manufacturing Company, Bloomfield, N. J. Expansion-bolt.	768,283	Aug. 23	4394	923	111	2069
Jenkins, John, et al. (See Brannon, Patrick P., assignor.)						
Jenkins, John B. (See Sutton, Albert E., assignor.)						
Jenkins, John C. (See Reynolds and Jenkins.)						
Jenkins, Louis W., Mulberry, Ind. Car-coupling.	771,427	Oct. 4	424	95	112	1047
Jenkins Manufacturing Company. (See Jenkins, Joel, assignor.)						
Jenkins, Marion R., Browning, Mo. Hay-rake.	770,009	Sept. 13	1663	353	112	393
Jenkins, Thomas, New York, N. Y. Third-rail system.	766,625	Aug. 2	994	208	111	1262
Jenkins, William P., et al. (See H. E. John W., assignor.)						
Jenkinson, William E., Fort Wayne, Ind. Loose-leaf book.	777,900	Dec. 20	2859	629	113	2080
Jenks, Edward W., Chicago, Ill. Burglar-alarm.	772,150	Oct. 11	1894	419	112	1380
Jenness, Edwin J., Chicago, Ill. Automobile.	767,152	Aug. 9	2101	438 439	111	1526
Jenness, Peter, Philadelphia, Pa. Vehicle-hub.	749,610	Jan. 12	2159	452	108	505
Jenness, Peter, Philadelphia, Pa. Gas or internal-combustion engine governor.	757,311	Apr. 12	2205	482	109	1828
Jenney, Harry C., New Bedford, Mass. Button boot or shoe.	776,066	Nov. 29	5126	1084	113	1223
Jennings, Elmira, Salt Lake City, Utah. Stove grate or fire-tray.	773,077	Oct. 25	3856	817	112	1846
Jennings, Harry L., Clifton, Ariz. Ter. Signal.	763,563	June 28	3859	836	110	2339
Jennings, John H. (See Jennings, Miles and J. H.)						
Jennings, John T. and T. T. Tuttle, San Mateo, Cal. Moisture-pad for horses' hoofs.	777,514	Dec. 13	2056	452	113	1896
Jennings, L. E. (See Kelly, Orville G., assignor.)						
Jennings, Miles and J. H., Elizabeth City, N. C. Cultivator.	763,288	June 21	3305	715	110	2197
Jennings, Thomas W. (See Ericson, John M., assignor.)						
Jensen, Christian, Philadelphia, assignor of one-half to B. O. Miller, Sunbury, Pa. Laundry-tub water-indicator.	756,642	Apr. 5	845	183	109	1522
Jensen, Cornelius, Superior, Wis. Storage and assorting net for fish.	772,360	Oct. 18	2337	513	112	1501
Jensen, Martin, Barnard, Mo. Washing-machine.	762,061	June 7	863	178	110	1624
Jensen, Niels P., Ephraim, Utah. Music-leaf turner.	774,521	Nov. 8	1888	410	113	498
Jentz, Frederick, Robbins, Mich. Gate-latch.	770,968	Sept. 27	3513	740	112	843
Jeppesen, Christen J., Centerburg, Ohio. Centrifugal milk-heater.	772,617	Oct. 18	2829	621 622	112	1608
Jeppsson, Nils, Helsingborg, Sweden. Balance for railway-wagons.	763,671	June 28	4059	884	110	2381
Jepsen, Victor T. (See Wolfe, Martin, and Handlin, assignors.)						
Jepson, James T., Leeds, England. Railway-wagon.	757,931	Apr. 19	3432	742 743 744	109	2111
Jeralds, Orrin L., New Rochelle, N. Y. Clamp or stop-cock for flexible tubes.	758,449	Apr. 26	4474	962	109	2359
Jeschke, Charles W. (See Jeschke, Edward and C. W.)						
Jeschke, Edward, Bellevue, and C. W. Jeschke, Lorain, Ohio. Tile-ditching machine.	755,012	Mar. 22	3568	782	109	891
Jessup, George W., Jr., Philadelphia, Pa. Wrench.	759,715	May 10	2276	471	110	551
Jessup, Robert W. (See Wheelan, Fairfax H., assignor.)						
Jessup, Robert W., assignor to Spiral Belt Separator Co., San Francisco, Cal. Separator.	762,416	June 14	1555	341 342	110	1796
Jessup, William H., Sheridan, Ind. Hoisting apparatus.	777,790	Dec. 20	3599	574	113	2027
Jester, John, St. Joseph, Mo. Scrubber.	749,296	Jan. 12	1529	394	108	328
Jester, John, St. Joseph, Mo. Air cooler and filter.	756,643	Apr. 5	846	183	109	1522
Jetley, Victor, London, England. Fire-escape.	749,736	Jan. 19	2432	517	108	579

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Jetter, Eugen, Erfurt, Germany. Preparing horn-like material from raw skins	749,297	Jan. 12	1529		108	368
Jetter, Julius, Camden, N. J., assignor to R. L. Gibson, Philadelphia, Pa. Self-adjusting arm for talking-machines	750,977	Feb. 2	366	89	108	1138
Jetter, Julius, assignor to Victor Talking Machine Company, Camden, N. J. Hollow sound-conveying tube for talking-machines	776,183	Nov. 29	5351	1182	113	1276
Jeude, August, Leipzig-Stötteritz, assignor to A. V. Rowley, Frankfort-on-the-Main, Germany. Buttonhole-sewing machine	765,341	July 19	2888	602 603 604	111	662
Jeude, August, Okrifteil, near Hattersheim-on-the-Main, assignor to A. V. Rowley, Frankfort-on-the-Main, Germany. Thread cutting and clamping mechanism for sewing-machines	765,622	July 19	3432	723 724	111	777
Jeude, August, Okrifteil, assignor to A. V. Rowley, Frankfort-on-the-Main, Germany. Buttonhole-cutter for sewing-machines	775,565	Nov. 22	4136	870 871	113	988
Jeutter, Solomon E., Derrick City, Pa. Polish-rod holder	769,905	Sept. 13	1455	311	112	345
Jewell, Charles E., Auburn, N. Y. Temperature-regulator	774,882	Nov. 15	2641	567 568	113	624
Jewell, Edward, <i>et al.</i> (See Churchill, Clyde E., assignor.)	774,180	Nov. 8	1268	369	113	304
Jewell, Edwin, Greene, Iowa. Bed-spring	777,901	Dec. 20	2861	629	113	2081
Jewell, Jacob, Pueblo, Colo. Stove-leg						
Jewell, Major R. (See Powers and Jewell.)	748,955	Jan. 5	775	168	108	176
Jewell, Martin, Morrisons Corner, Me. Vehicle-brake						
Jewell, Omar H. (See Jewell and McGee, assignors.)						
Jewell, Walter S., Oakland, Cal. Hose-coupling	767,893	Aug. 16	3526	747	111	1858
Jewell, William M., Chicago, Ill. Gas-engine	780,631	May 24	4068	865	110	966
Jewell, William M., Winnetka, and W. J. McGee, Oakpark, assignors to themselves, and O. H. Jewell, Chicago, Ill. Purifying water	766,146	July 26	4498	962	111	1018
Jewett, Benjamin J., assignor of one-half to F. H. Bartlett, Brooklyn, N. Y. Mechanism for removing ice from electric conductors	756,502	Apr. 5	615	138	109	1472
Jewett, Clarence F., New York, N. Y. Jacket for automobile steam-boilers	751,650	Feb. 9	1601	364	108	1417
Jewett, H. N., <i>et al.</i> (See Gallagher, Richard D. Sr., assignor.)						
Jewett, William H., Holyoke, Mass. Adjustable shade	774,477	Nov. 8	1802	389	113	419
Jigouzo, Paul, Vanves, France. Asynchronous motor	765,078	July 12	2399	499 500	111	537
Jlinsky, Michael, Krefeld, Germany. Ortho-dioxyanthraquinone-sulfo acid and making same	778,670	Dec. 27	4371		113	2420
Joannidi, Christos, Constantinople, Turkey. Dental impression-tray	755,670	Mar. 29	4769	1062	109	1105
Jobe, John S., assignor to United States Sanitary Manufacturing Company, Monaca, Pa. Enameling-kiln	774,478	Nov. 8	1803	390	113	420
Jobes, Lawrence U., assignor to Baldwin Company, Cincinnati, Ohio. Mechanical-musical-instrument player	778,365	Dec. 27	3790	827	113	2293
Johling, William G., Chatanooga, assignor of one-third to C. E. Hoover, Ridgedale, Tenn. Reversible plow	769,167	Sept. 6	53	13	112	14
Jobson, Frank L., <i>et al.</i> (See Ball, Augustus W., assignor.)						
Jochimsen, William, New York, N. Y. Railway apparatus	765,487	July 19	3195	668	111	727
Joehnk, Henry C., Lyons, Iowa, and H. Wiese, Mount Clemens, Mich.; said Wiese assignor to said Joehnk. Stock-food	776,595	Dec. 6	257		113	1486
Jorissen, Carl A., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Tabulator	777,286	Dec. 13	1606	356	113	1798
Jorissen, Carl A., and H. R. Livingston, Washington, D. C. Polychrome type-writer	753,797	Mar. 1	1154	260 261	109	248
Jofeh, John, Walthamston, England. Coin-freed apparatus	763,289	June 21	3307	715 716	110	2197
Joffe, Abraham D., <i>et al.</i> (See Ruckdeschel, Frederick E., assignor.)						
Joffe, Harris, <i>et al.</i> (See Ruckdeschel, Frederick E., assignor.)						
Johanneck, Joseph, Wabasso, Minn. Straw-rack for grain-separators	754,874	Mar. 15	3315	723	109	759
Johannesen, Carl H. (See Lundgren and Johannesen.)						
Johannsen, Palmer E., Carson, Iowa. Interest-table	753,887	Mar. 8	1343	302 303	109	310
Johansen, Clement W., Pittsburg, Pa. Mattress-stuffing machine	771,073	Sept. 27	3724	785	112	886
Johansen, Rudolph L., Los Angeles, Cal. Bale-tie machine	761,231	May 31	5299	1125 1126	110	1246
Johanson, Erik, Ouray, Colo. Chalk-holder	763,050	June 21	2867	620	110	2101
Johanson, Fritz, South Windsor, Conn. Machine for making wire-netting	770,722	Sept. 20	3015	641	112	712
Johanson, John M., Cambridge, Mass. Mixer for gasoline-engines	751,232	Feb. 2	967	220	108	1283
Johanson, Johan M., Cambridge, Mass. Valve-gear for explosive-engines	751,293	Feb. 2	971	221	108	1283
John A. Dunn Company. (See Dean, Harry C., assignor.)						
John, David C., Sr. (See John, William N., assignor.)						
John F. McCanna Company. (See McCanna, John F., assignor.)						
John F. McCanna Company. (See McCanna and Markle, assignors.)						
John Good Cordage Co. (See Good, John, assignor.)						
John Hetherington and Sons. (See Ross, George E., assignor.)						
John J. Griffin & Sons. (See Harcourt, Augustus G. V., assignor.)						
John Matthews. (See Cederstrom, John, assignor.)						
John O'Brien Boiler Works Company. (See O'Brien, John J., assignor.)						
John R. Williams Company. (See Williams, John R., assignor.)						
John S. Metcalf Co. (See Metcalf, John S., assignor.)						
John Thomson Press Company. (See Thomson, John, assignor.)						
John V. Rice, Junior, Company. (See Rice, John V., Jr., assignor.)						
John W. Swan Company. (See Swan, John W., assignor.)						
John, William N., Milwaukee, assignor to D. C. John, Sr., Oshkosh, Wis. Boring-bar	777,952	Dec. 20	2967	652	113	2100
Johns, Emanuel, Puyallup, Wash. Portable refrigerator	770,969	Sept. 27	3514	741	112	843
Johns-Pratt Company. (See Sachs, Joseph, assignor.)						
Johns, Thomas B. (See Cramer, John, assignor.)						
Johnson, A. Roland, administrator. (See Crane, Walter E.)						
Johnson, Albert E., Northfield, Minn. Hoisting-wagon	753,888	Mar. 8	1344	303 304	109	310
Johnson, Alex, Wellsville, Ohio. Collar	770,070	Sept. 13	1758	371	112	414
Johnson, Alexander, Peking, China. Device for catching mail-bags	778,671	Dec. 27	4372	955	113	2420
Johnson, Alfred, Brooklyn, N. Y. Automatic sash-lock	769,386	Sept. 6	495	109	112	112
Johnson, Alfred E., Colorado Springs, Colo. Mechanical rabble for ore roasting or calcining furnaces	750,194	Jan. 19	3286	710	108	762
Johnson, Alfred E., Colorado Springs, Colo. Grate	778,749	Dec. 27	4502	986 987	113	2448
Johnson, Alfred E., Bloomington, Ill. Truss-pad	776,914	Dec. 6	903	194	113	1626
Johnson, Alfred W., New Brunswick, N. J. Knife-sharpener	763,754	June 28	4239	924	110	2421
Johnson, Algot, Denver, Colo. Non-refillable bottle	763,290	June 21	3309	716	110	2198

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Johnson, Allan A., Natick, R. I., assignor to Kip-Armstrong Company, New York, N. Y. Warp stop-motion for looms.	778,132	Dec. 20	3319	728	113	2174
Johnson, Alton F. (See Kupsch, Hermann, assignor.)						
Johnson, Andrew, Concord, N. H. Continuous draft-rigging for cars.	775,977	Nov. 29	4966	1048	113	1187
Johnson, Andrew, assignor to J. C. Wickes and A. D. Eddy, Saginaw, Mich. Salt-raker.	762,907	June 21	2577	560	110	2036
Johnson, Andrew, Saginaw, and G. B. Wilcox, Bay City, Mich. Salt-raker.	762,908	June 21	2579	561	110	2036
Johnson, Andrew G., Rockford, Ill. Locking device for drawers.	767,411	Aug. 16	2586	544	111	1649
Johnson, Annie C. (See Johnson and Pearson, assignors.)						
Johnson, Arthur N., Baltimore, Md. Hydraulic pressure-testing apparatus.	756,644	Apr. 5	847	184	109	1522
Johnson, Arthur T. M., Highbury, assignor to himself, and E. J. Richardson, London, England. Apparatus for electrically transmitting and receiving messages.	751,294	Feb. 2	973	231 232 233	108	1364
Johnson, August, et al. (See Elgin, Magnus F., assignor.)						
Johnson, August, San Francisco, Cal. Oil-burner.	755,880	Mar. 29	3212	1153	109	1306
Johnson, August, and J. F. Geb, assignor to Murdoch and Geb Company, Franklin, Mass. Reeling attachment for dresser-reels.	758,079	Apr. 26	3741	813	109	2195
Johnson, Augusta F. (See Barry, James, assignor.)						
Johnson, Belfield, Williamsport, Pa. Trace-holder.	752,560	Feb. 16	3350	745	108	1822
Johnson, Benjamin F., Beeville, Tex. Machine for collecting insects from plants.	749,562	Jan. 12	2028	433	108	487
Johnson, Benjamin F., Pontiac, Ill. Cabinet for treatment of hemorrhoids or other diseases.	763,765	June 28	4242	924	110	2421
Johnson, Benjamin L., assignor of one-half to W. F. Ayers, Washington, Pa. Cover for vessels.	749,993	Jan. 19	2923	634	108	687
Johnson, Burt S., Denver, Colo. Curtain-hanger.	759,110	May 3	1036	210	110	235
Johnson, Carl A., Duluth, Minn. Combined harrow and planer.	749,280	Aug. 9	2338	489	111	1576
Johnson, Carl V., Salt Lake City, Utah. Amusement apparatus.	770,071	Sept. 13	1759	372	112	414
Johnson, Carol E., assignor of one-half to M. H. Brennan, Toledo, Ohio. Bottle-case fastener.	752,396	Feb. 16	3040	676	108	1723
Johnson, Carol E., assignor of one-half to M. H. Brennan, Toledo, Ohio. Slate.	759,992	May 17	2634	551	110	626
Johnson, Charles, Gillingham, England. Apparatus for cutting and beveling sheets of cardboard or the like.	761,077	May 31	5002	1061	110	1183
Johnson, Charles, assignor to C. A. Smith, Minneapolis, Minn. Machine for making wire-fence-reel heads.	756,858	Apr. 12	1292	286	109	1633
Johnson, Charles, assignor of one-half to A. Benson, Chicago, Ill. Sash-lock.	763,610	June 28	3934	856	110	2354
Johnson, Charles E., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Lock.	750,285	Jan. 26	3464	749	108	821
Johnson, Charles H., Colony, Kans. Printing-press.	748,743	Jan. 5	354	78	108	79
Johnson, Charles J., Chicago, Ill. Display-case.	771,731	Oct. 4	991	222	112	1171
Johnson, Charles J., assignor of one-half to C. W. Benedict, St. Louis, Mo. Trolley for electric-railway cars.	750,368	Jan. 26	3620	785	108	856
Johnson, Charles O. (See Sheehan and Johnson.)						
Johnson, Charles W. and J. K. Olason, Minneapolis, Minn. Hat-rack.	756,023	Mar. 29	5493	1212	109	1267
Johnson, Clarence O., Albany, N. Y. Lace-fastener.	758,366	Apr. 26	4315	926	109	2323
Johnson, Curtis, River Falls, Wis. Feed-trough.	765,242	July 19	2685	559	111	617
Johnson, Daniel E., assignor to F. C. Billings, Hartford, Conn. Liquid-fuel-feeding system.	749,994	Jan. 19	2924	635	108	687
Johnson, Daniel E., assignor to F. C. Billings, Hartford, Conn. Steam-engine.	774,433	Nov. 8	1713	367 368	113	401
Johnson, Daniel E., assignor to F. C. Billings, Hartford, Conn. Steam-engine.	774,434	Nov. 8	1718	369	113	401
Johnson, David, Burwell, Nebr. Horse-power.	761,304	May 31	5451	1138	110	1278
Johnson, Edward, Chicago, Ill. Sidewalk-door.	775,425	Nov. 22	3818	807	113	920
Johnson, Edward H. (See Lang, Johan G. V., assignor.)						
Johnson, Edward S., St. Louis, Mo. Railway-track layer.	775,926	Nov. 29	4837	1024	113	1157
Johnson, Edwin S., Lincoln, Nebr. Drawing instrument.	768,997	Aug. 30	5878	1233	111	2421
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Speed-governor for motors.	750,858	Feb. 2	148	34	108	1090
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Removable turn-table for sound-recording machines.	752,682	Feb. 23	3610	804	108	1895
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Sound-box for talking-machines.	753,274	Mar. 1	110	27	109	27
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Reproducer-support for gramophones. (Reissue.)	12,213	Apr. 26	4791	1031	109	2430
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Cabinet for talking-machines.	774,435	Nov. 8	1721	369	113	402
Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Turn-table for talking-machines.	778,492	Dec. 27	4046	882	113	2348
Johnson, Eldridge R., and W. C. Moore, Philadelphia, Pa., assignors to Victor Talking Machine Company. Talking-machine.	773,290	Oct. 25	4343	917	112	1965
Johnson, Eliet J., Newark, Ohio. Cross-tie.	763,900	June 28	4508	983	110	2477
Johnson, Elizebeath H., Clayton, N. C. Combined support for garments and catamenial sacks.	772,806	Oct. 18	3206	696	112	1688
Johnson, Eric, assignor to Seattle Machine Works, Seattle, Wash. Reversing mechanism.	761,539	June 7	454	92	110	1540
Johnson, Erick J., Gilmanton, Wis., assignor of one-third to J. J. Hopperstad, Decorah, Iowa. Automatic vehicle door.	750,195	Jan. 19	3287	710	108	762
Johnson, Francis T., Chicago, Ill. Clothes-hanger.	768,051	Aug. 23	3892	817	111	1956
Johnson, Frank, New York, N. Y. Loom for weaving wire fabrics.	757,121	Apr. 12	1813	397 398	109	1743
Johnson, Frank A., New Bedford, Mass., assignor, by mesne assignments, to Unitepy Company, Manchester, Conn. Machine for manufacturing justified-line matrices.	769,168	Sept. 6	55	15 16 17	112	14
Johnson, Frank A., assignor of one-third to J. F. Welsh, Aurora, Ill. Device for forming cores.	776,596	Dec. 6	258	57	113	1486
Johnson, Frank B., assignor of one-half to W. F. Johnson, Addison, N. Y. Lawn-mower sharpener.	771,732	Oct. 4	992	222	112	1171
Johnson, Frank M., assignor to Oakville Company, Waterbury, Conn. Machine for sticking safety-pins.	752,229	Feb. 16	2707	599 600	108	1681
Johnson, Frank S. H., Allegheny, Pa. Fan and score-card.	760,210	May 17	3265	695	110	768
Johnson, Frederick, South Chicago, Ill. Combined arch-plate and shield.	762,417	June 14	1358	342	110	1787
Johnson, Frederick L., Wallingford, Conn. Whistle.	754,314	Mar. 8	2152	477	109	487
Johnson, Frederick W., Brighton, England. Venetian blind.	771,370	Oct. 4	300	66	112	1025
Johnson, George E., Fort Wayne, Ind. Electric interrupter for high-frequency currents.	774,181	Nov. 8	1269	269	113	304
Johnson, George W., Manassas, Va. Subsoil-plow.	752,561	Feb. 16	3351	745	108	1822

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Johnson, George W., Geneva, N. Y. Steam-radiator	768,856	Aug. 30	5504	1175	111	2356
Johnson, Gerrit J., Grand Rapids, Mich. Pail-cover	777,791	Dec. 20	2690	574	113	2028
Johnson, Godfrey B., London, England. Rolls for use in the production of sheet-metal strips	749,679	Jan. 12	2393	484	108	532
Johnson, Greenleaf, Jr., Baltimore, Md. Cutter for wood-working machines	767,564	Aug. 16	2301	607	111	1721
Johnson, Gustaf G., Winburne, Pa. Extension-table	758,755	Mar. 3	354	71	110	87
Johnson, Guy R., Chicago, Ill. Reclaiming flue-dust	751,399	Feb. 2	1154	263	108	1303
Johnson, H. S., et al. (See Whittlesey, Elisha J., assignor.)						
Johnson, Harry T., Jersey City, N. J. Circuit-closing device	774,436	Nov. 8	1722	370	113	402
Johnson, Harry T., Jersey City, N. J. Burglar-alarm	774,668	Nov. 8	2158	472	113	494
Johnson, Henry, assignor of one-half to Detroit Table Manufacturing Company, Detroit, Mich. Folding table	748,956	Jan. 5	776	168	108	176
Johnson, Henry, Detroit, Mich., assignor of one-half to Wolverine Manufacturing Company. Extension-table	759,997	May 17	2843	595	110	674
Johnson, Holland C., McGraw, N. Y. Egg-case	771,798	Oct. 4	1139	254	112	1202
Johnson, Homer W., Charles City, Iowa. Talking-machine	763,696	Sept. 13	1069	230	112	261
Johnson, Horatio A., St. Paul, Minn. Signaling means for railways	763,766	June 28	4243	924	110	2422
Joanson, Israel H., Jr., Philadelphia, Pa. Variable-speed gear for motor-driven lathes or other tools	759,111	May 3	1037	210 211	110	235
Johnson, Jacob T., Philadelphia, Pa. Window-awning	770,499	Sept. 20	2596	550	112	620
Johnson, James D., Cloverdale, Va. Windmill	756,372	Apr. 5	373	76	109	143
Johnson, James E., Perry, N. Y. Whiffletree trace-holder	768,313	June 14	1352	290	110	1733
Johnson, James H., Louisville, Ky. Electrical recording device	753,756	May 3	355	71, 72	110	87
Johnson, James H., Dale, Ind. Fare indicator and register	767,000	Aug. 9	1790	375 376	111	1458
Johnson, James L., Fort Madison, Iowa. Disk chuck	753,275	Mar. 1	112	27	109	27
Johnson, James W., et al. (See Waker, Richard, assignor.)						
Johnson, Jay M., Chicago, Ill., assignor to Coin Counting Machine Company. Paper carton for coin-containing packages	763,664	Aug. 30	5196	1093	111	2267
Johnson, Jerry J., Roseville, Ill. Flood fence or gate	753,663	May 3	110	24	110	29
Johnson, John. (See Johnson, Ole and J.)						
Johnson, John, assignor of one-half to W. L. Elliott, Lowville, N. Y. Potato-digger	752,981	Feb. 23	4218	940 941	108	2031
Johnson, John, and E. Hitz, St. Louis, Mo. Hydrant system for country houses	749,563	Jan. 12	2085	433	108	480
Johnson, John A. (See Mack, Charles, assignor.)						
Johnson, John A. (See Staley and Johnson.)						
Johnson, John D. A., Omaha, Nebr. Mechanical movement	776,401	Nov. 29	5759	1219	113	1368
Johnson, John H., assignor of two-thirds to G. A. Lee and A. Dyreson, Dodgeville, Wis. Telephone system	764,469	July 5	1145	233	111	263
Johnson, John P., Sonora, Cal. Cupholder collector and carrier. (Reissue.)	12,258	Aug. 16	3831	801	111	1923
Johnson, John W., and L. Lock, Upper Sandusky, Ohio. Preparing rice food products	749,564	Jan. 12	2086		108	489
Johnson, John W., and L. Lock, Upper Sandusky, Ohio. Preparing rice or like cereal food products. (Reissue.)	12,211	Apr. 5	1180		109	1596
Johnson, Jonas, Chicago, Ill. Adjustable boring-bar tool	774,736	Nov. 15	2280	514	113	567
Johnson, Jonathan, Lowell, Mass. Burner for gas-stoves	768,147	July 26	4501	963	111	1019
Johnson, Jonathan, Lowell, Mass. Regulating-valve	775,232	Nov. 22	4636	982	113	1096
Johnson, Joseph E., assignor to Schenck Governor Co., Meriden, Conn. Speed-regulator	777,902	Dec. 20	2862	630 631 632	113	2091
Johnson, Joseph O., Visalia, Cal. Animal-extermiator	762,637	June 14	3020	437	110	1895
Johnson, Joseph W., and J. T. Sheridan, assignors to J. F. Pease Furnace Company, Limited, Toronto, Canada. Heater and ventilator	763,983	July 5	109	17, 18	111	31
Johnson, Joshua P., Brunswick, Me., assignor, by mesne assignments, to Draper Company, Hopedale, Mass. Shuttle-locking mechanism	769,801	Sept. 13	1256	270	112	301
Johnson, Kate A., Lorene, Wash. Fruit-jar holder	750,654	Jan. 26	4143	900	108	965
Johnson, Lafayette W., Jerome Junction, Ariz. Ter. Hoisting device for live stock	754,775	Mar. 15	3114	680	109	716
Johnson, Leigh E., St. Joseph, Mo. Pin	772,887	Oct. 18	3366	732	112	1724
Johnson, Leonard T., Boston, Mass. Price-scale	770,907	Sept. 27	3391	715 716	112	813
Johnson, Louis K., assignor to Alden Type Machine Company, New York, N. Y. Type-distributing apparatus	775,426	Nov. 22	3820	808	113	921
Johnson, Lucian H., Bonifay, Fla. Dipper-scraper	750,459	Jan. 26	3785	823	108	892
Johnson, Lucian H., Bonifay, Fla. Lock-nut	771,733	Oct. 4	993	223	112	1171
Johnson, Lucius E., Roanoke, Va. Railway scoop-car	762,314	June 14	1353	290 291	110	1754
Johnson, Lute, Old Orchard, Me. Oil-lamp	768,198	Aug. 23	4095	862	111	2004
Johnson, Maanander M., Clay Center, Nebr. Heating apparatus for incubators	752,230	Feb. 16	2713	600	108	1682
Johnson, Marquis H., assignor to J. F. Rosselli, Buffalo, N. Y. Register	765,342	July 19	2894	604	111	663
Johnson, Mary E. (See Ringqvist, Otto W., assignor.)						
Johnson, Mary E., executrix. (See Mollett, Alexander L., assignor.)						
Johnson, Mary E., executrix. (See Mossberg, Oscar F., assignor.)						
Johnson, Milton H., Peoria, Ill. Mold for making cement blocks	776,516	Dec. 6	78	19	113	1442
Johnson, Montgomery H., Utica, N. Y. Trolley-catcher	756,859	Jan. 12	1285	287	109	1633
Johnson, Morten S., Chicago, Ill. Pin-ticket	748,957	Jan. 5	777	168	108	177
Johnson, Moses C., Hartford, Conn. Metal working machine	766,828	Aug. 9	1456	304 305 306 307	111	1384
Johnson, Nels V., Colby, Kans. Combined governor and speed-gear mechanism	748,958	Jan. 5	778	169	108	177
Johnson, Nestor G., Chicago, Ill. Skate	750,542	Jan. 26	3965	857	108	928
Johnson, Nils, and F. Pearson, Star Prairie, Wis. Sleigh	770,010	Sept. 13	1663	353 354	112	393
Johnson, Nils, and F. Pearson, assignors of one-half to A. C. Johnson, Star Prairie, Wis. Buckle	775,176	Nov. 15	3242	694	113	764
Johnson, Ole, Brookings, S. D. Pipe-mold	771,911	Oct. 11	1384	315	112	1268
Johnson, Ole and J. Milwaukie, Wis. Hoisting and conveying apparatus	749,198	Jan. 12	1382	284	108	325
Johnson, Oliver J., Wheeling, W. Va. Feed mechanism for can-soldering machines or for other purposes	776,330	Nov. 29	5621	1191	113	1335
Johnson, Oliver J., Wheeling, W. Va. Can-soldering machine	776,473	Nov. 29	5906	1247	113	1403
Johnson, Ora A., et al. (See Allen, Lyman H., assignor.)						
Johnson, Osro P. (See Crockett and Johnson.)						
Johnson, Richard M., Jr., and M. J. Ziegler, St. Louis, Mo. Corn or callous file	770,176	Sept. 13	1949	416	112	455
Johnson, Robert E., New York, N. Y. Horseshoe	765,901	June 28	4509	983	110	2477
Johnson, Robert S., Coleman, Tex. Tying attachment for baling-presses	761,305	May 31	5453	1158 1159	110	1279

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Johnson, Robert W., <i>et al.</i> (See Whitaker, Richard, assignor.)						
Johnson, Robert W., New Brunswick, N. J. Metallic package for syringe-needles	776,402	Nov. 29	5761	1220	113	1369
Johnson, Samuel J., Toronto, Canada. Device for melting and applying sealing-wax	763,767	June 28	4244	925	110	2422
Johnson, Simon C., Dekalb, Ill. Ladder-hanger	754,776	Mar. 15	3117	680	109	716
Johnson, Simon C., Dekalb, Ill. Platform or staging support	760,995	May 24	4800	1021	110	1120
Johnson, Sinclair J., Montclair, N. J. Operating mechanism for dumping-cars	755,671	Mar. 29	4772	1062	109	1105
Johnson, Sinclair J., Montclair, N. J. Operating mechanism for dumping-cars	763,185	June 21	3112	670	110	2155
Johnson, Sinclair J., Montclair, N. J. Operating mechanism for dumping-cars	763,186	June 21	3117	670	110	2157
Johnson, Sylvester R., Winston, Mo. Road-scraper	768,181	Aug. 23	4189	881	111	2023
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn.						
Automatic firearm	758,318	Apr. 26	4222	907	109	2303
Locking-block for automatic guns	760,871	May 24	4561	972	110	1070
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn.						
Magazine attachment for firearms	764,243	July 5	675	137	111	151
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn.						
Recoil-operated firearm	768,065	Aug. 30	5197	1093	111	2267
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn.						
Forestock-trip for firearms	768,666	Aug. 30	5212	1095	111	2270
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn.						
Automatic firearm	769,089	Aug. 30	6051	1266	111	2459
Johnson, Thomas R., Jeannette, Pa. Illuminated kaleidoscope	754,143	Mar. 8	1830	407	109	421
Johnson, Thomas W., San Francisco, Cal. Water-tube boiler	750,286	Jan. 26	3466	750	108	821
Johnson, Thomas W., North Attleboro, Mass. Bracelet	761,589	May 31	5960	1278	110	1395
Johnson, Victor O., Ord, Nebr. Milking device	775,726	Nov. 22	4453	942	113	1058
Johnson, Victor T., Minneapolis, Minn. Machine for feeding boards	773,939	Nov. 1	818	172	113	188
Johnson, Walter G., Warren, Mass. Skirt or garment supporter	755,881	Mar. 29	5214	1153	109	1207
Johnson, Walter G., Warren, Mass. Lawn-mower attachment	758,080	Apr. 26	3742	813	109	2196
Johnson, Walter G., Warren, Mass. Skirt and garment supporter	778,785	Dec. 27	4572	1001	113	2464
Johnson, Walter J. O. (See Kern and Johnson.)						
Johnson, Warren S., Milwaukee, Wis. Heating system	773,078	Oct. 25	3827	817	112	1846
Johnson, Warren V., Berwick, Pa., assignor to American Car & Foundry Company, St. Louis, Mo. Bumper for cars	777,953	Dec. 20	2969	652	113	2011
Johnson, William, assignor to Rotherham and Sons, Coventry, England. Change-maker	771,643	Oct. 4	833	187	112	1137
Johnson, William A., Toronto, Canada. Revolving field for electric generators or motors	769,090	Aug. 30	6055	1267	111	2459
Johnson, William C. (See McMillan, Johnson, and Colcord.)						
Johnson, William D., <i>et al.</i> (See Baird, John P., assignor.)						
Johnson, William F. (See Johnson, Frank B., assignor.)						
Johnson, William H. (See Watt, John A., assignor.)						
Johnson, William H., Revere, assignor to J. A. Hewes and F. W. Potter, Melrose, Mass. Garment-buckle	749,995	Jan. 19	2927	625	108	687
Johnson, William H., T. A. Savage, and A. T. Newell, Kansas City, Mo., said Savage assignor to said Johnson and Newell. Car-coupling	756,645	Apr. 5	850	184	109	1523
Johnson, William J. (See Colthar, William U., assignor.)						
Johnson, William R., Freeport, Ill. Wrench	754,069	Mar. 8	1688	375	109	388
Johnson, William S., Indianapolis, Ind., assignor of one-half to S. Fulmer, Cleveland, Ohio. Apparatus for recutting files	761,968	June 7	695	141	110	1592
Johnson, William T. S., Cincinnati, Ohio. Change-gear mechanism for machine-tools	774,883	Nov. 15	2645	568	113	625
Johnson, William T. S., Cincinnati, Ohio. Change-gear mechanism for machine-tools	775,471	Nov. 22	3916	827	113	942
Johnson, Wilson P., Columbus, Ohio. Mantle-support	757,556	Apr. 19	2698	590	109	1949
Johnson, Woodsey M., Lehigh, Kans. System for the control of electric furnaces	764,592	July 12	1424	292	111	338
Johnston, Abner, Long Island City, assignor of two-thirds to W. Harvey and H. J. Murtha, New York, N. Y. Screen and guard for windows	766,262	Aug. 2	253	49	111	1096
Johnston, Allen, Ottumwa, Iowa. Ball-swaging machine	748,612	Jan. 5	102	26	108	24
Johnston, Allen, Ottumwa, Iowa. Machine for manufacturing balls from sheet metal	756,965	Apr. 12	1497	330	109	1677
Johnston, Allen, Ottumwa, Iowa. Coating metal objects	759,528	May 10	1928	410	110	457
Johnston, Allen, Ottumwa, Iowa. Removing grease or oil from hollow metallic balls	778,317	Dec. 27	3680	803	113	2269
Johnston, Charles and C., Memphis, Tenn. Electric-circuit cut-out	764,293	July 5	772	158	111	1771
Johnston, Clarence B., St. Louis, Mo. System of way-billing baggage	774,884	Nov. 15	2648	569	113	626
Johnston, Claude. (See Johnston, Charles and C.)						
Johnston, Edward A., assignor to McCormick Harvesting Machine Company, Chicago, Ill. Corn-harvester	749,298	Jan. 12	1530	325	108	368
Johnston, Edward A., assignor to McCormick Harvesting Machine Company, Chicago, Ill. Automatic mowing-machine	752,779	Feb. 23	2776	843	108	1922
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Tongue-truck for harvesters	754,568	Mar. 15	2733	592	109	629
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Attachment for mowing-machines	763,402	Jun. 28	3559	766	110	2275
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Tongue-truck for harvesters	763,403	June 28	3562	768	110	2276
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Thrashing-roller for corn-threshing machines	763,611	June 28	3936	856	110	2355
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Folding reel-support for mowers	763,902	June 28	4510	984	110	2477
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Automatic trip for grain-binders	767,412	Aug. 16	2587	545	111	1649
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Throat-adjusting device for corn-harvesters	770,526	Sept. 20	2650	561	112	631
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Bunching attachment for mowers	770,860	Sept. 27	3999	696	112	793
Johnston, Edward A., assignor to International Harvester Company, Chicago, Ill. Driving connection	774,182	Nov. 8	1271	269	113	304
Johnston, Edward A., Sterling, assignor to International Harvester Company, Chicago, Ill. Harvester-elevator	770,292	Sept. 20	3217	462	112	535
Johnston, Frank W., <i>et al.</i> (See Weber, Theodore T., assignor.)						
Johnston, George. (See Ward, Albert M., assignor.)						
Johnston, George A. (See Taylor, John L., assignor.)						
Johnston, George M. (See Ridderhof and Johnston.)						
Johnston Harvester Company. (See Maul, Christian, assignor.)						
Johnston, Horace G. (See Cushing and Johnston.)						
Johnston, Hugh A., Sydney, Canada. Inkstand	749,611	Jan. 12	2160	452	108	505

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Johnston, J. E., <i>et al.</i> (See Tapley, John E., assignor.)						
Johnston, James, <i>et al.</i> (See Nolen, Robert, assignor.)						
Johnston, John. (See Potter and Johnston.)						
Johnston, John. (See Potter and Johnston.) (Reissue.)						
Johnston, John. (See Potter, Johnston, and Sellew.)						
Johnston, John F. (See Brown, Cyril P., assignor.)						
Johnston, Joseph G., Detroit, Mich., assignor to American Car & Foundry Company, St. Louis, Mo. Power-actuated molding apparatus	732,780	Feb. 23	3780	844 845	108	1933
Johnston, Joseph G., Detroit, Mich., assignor to American Car & Foundry Company, St. Louis, Mo. Overhead trolley	775,627	Nov. 22	4361	900	113	1017
Johnston, Lawrence M., assignor to New Era Gas Engine Company, Dayton, Ohio. Mixing-box for gas-engines	761,768	June 7	293	58, 59	110	1503
Johnston, Oman E., Bellevue, Ohio. Hub for vehicle-wheels	756,503	Apr. 5	616	134	109	1472
Johnston, Oman E., Bellevue, Ohio. Hub for vehicles	764,593	July 12	1425	292	111	328
Johnston, Oman E., assignor of one-half to Ohio Cultivator Company, Bellevue, Ohio. Cultivator-tooth	769,748	Sept. 13	1164	251	112	261
Johnston, Robert, Philadelphia, Pa. Machine for repeating pattern-cards	764,129	July 5	431	84	111	94
Johnston, Robert T., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Rotary switch	761,769	June 7	297	59	110	1504
Johnston, Robert T., Plainfield, N. J., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Inking apparatus for printing-presses	764,594	July 12	1427	292 293	111	329
Johnston, William A., assignor of one-half to W. W. Buck, Rural Retreat, Va. Lifting-jack	768,182	Aug. 23	4190	881	111	2024
Johnston, William E. (See Pomeroy, Bennard H., assignor.)						
Johnston, William G., Woodbury, N. J. Printing-press	763,672	June 28	4061	884 885	110	2388
Johnston, William J., Rock Springs, Wyo. Panoramic camera	776,408	Nov. 29	5762	1220	113	1369
Johnston, William J., Schenectady, N. Y. Bottle	767,819	Aug. 16	3392	716	111	1836
Johnstone, Arthur E., Ilford, England. Liquid-fuel burner	760,396	May 17	3592	758	110	841
Johnstone, Lloyd G., assignor of one-half to J. Arens, New York, N. Y. Third rail for electric railways	751,175	Feb. 2	730	167	108	1214
Joisten, Albert, Düsseldorf, Germany. Platen printing-press	773,743	Nov. 1	409	89, 90	113	97
Jolicœur, Godfroid, Augusta, Me. Picker mechanism for looms	757,043	Apr. 12	1669	361 362	109	1714
Joliet Stove Works. (See Moore and Cope, assignors.)						
Jolitz, Carl F., Pine Island, Minn. Ice-creeper	767,565	Aug. 16	2902	607	111	1721
Joli, Edward M., Chicago, Ill. Automatic hitching-strap weight	773,645	Nov. 1	208	46	113	51
Jolliffe, Charles H., St. Helens, and A. Coulthard, Workington, England. Rotary engine	766,646	Apr. 5	853	184 185 186	109	1523
Joly, Céleste, London, England. Monorail or like railway or tramway	769,611	Sept. 6	900	195	112	204
Jone, Hugo, Chicago, Ill. Converting the energy of fuel into electrical energy	764,595	July 12	1429	293	111	329
Jone, Hugo, Chicago, Ill. Converting the energy of fuel into electrical energy	775,472	Nov. 22	3918	828	113	942
Jones, Albano C., Newark, N. J. Stock-guide	758,921	May 3	684	137	110	160
Jones, Albert L., Llano, Tex. Apparatus for destroying insects	766,043	July 26	4282	917 918	111	971
Jones, Alfred W., Pacific Grove, Cal., assignor to J. S. Tait, Washington, D. C. Elastic-tread horseshoe	749,299	Jan. 12	1534	326	108	368
Jones, Amanda T., Junction City, Kans. Valve	774,985	Nov. 15	2851	608	113	675
Jones, Antoinette P., Falmouth, Mass. Writing-tablet	760,211	May 17	3267	685	110	768
Jones, Archer G., assignor to Duplex Envelope and Printing Company, Richmond, Va. Twin envelop	754,373	Mar. 8	2308	504	109	521
Jones, Belden D., assignor to Jones Car Door Company, Chicago, Ill. Door-guard	764,219	Mar. 8	1981	440	109	452
Jones, Caleb, London, Ky. Trolley-pole	764,194	July 5	580	115	111	128
Jones, Charles B., deceased; F. B. Jones, administratrix, assignor of one-half to E. A. Russell, Roanoke, Va. Pump	772,151	Oct. 11	1896	420	112	1380
Jones, Charles E., Windsor, Mo. Whiffletree-hook	758,708	Mar. 1	951	216	109	205
Jones, Charles E., Windsor, Mo. Whiffletree-hook	755,882	Mar. 29	5215	1153	109	1207
Jones, Charles J., Yellowstone Park, Wyo. Windmill	757,044	Apr. 12	1671	362	109	1714
Jones, Charles P., Birkenhead, England. Ship's-course indicator	768,330	Aug. 23	4477	911	111	2087
Jones, Charlie H., <i>et al.</i> (See Jones and Slusser, assignors.)						
Jones, Clarence L. (See Bowness and Jones.)						
Jones, Daniel F., Providence, R. I. Skeleton frame for tanks or cells of electric batteries	749,199	Jan. 12	1327	285	108	326
Jones, Darlington T., Chicago, Ill., assignor, by mesne assignments, to Domestic Utilities Company, New York, N. Y. Dish-washer	761,078	May 31	5003	1061	110	1189
Jones, David E., Lima, Ohio. Callapsible dish-drainer	777,211	Dec. 13	1476	326	113	1769
Jones, David G. (See Bush, William, assignor.)						
Jones, Dora, Chicago, Ill. Advertising-display device	749,441	Jan. 12	1842	384	108	434
Jones, Earnest A., Sunset, Wash. Grain-riddle	759,378	May 10	1643	383	110	392
Jones, Edmund M., assignor of one-half to G. W. Brisby, Enid, Okla. Ter. Device for placing railway-torpedoes	762,238	June 7	1184	253	110	1697
Jones, Edward A., Fiume, Hungary. Multiple-cylinder engine	768,460	Aug. 23	4754	997	111	2154
Jones, Edward M. (See Tanner, Charles F., assignor.)						
Jones, Evan J., <i>et al.</i> (See Adair, Charles E., assignor.)						
Jones, Fannie B., administratrix. (See Jones, Charles B.)						
Jones, Florence M., <i>et al.</i> (See Ruggles, Harry A., assignor.)						
Jones, Francis W., assignor to Postal Telegraph-Cable Company, New York, N. Y. Telegraphy	766,189	Aug. 2	66	12	111	1055
Jones, Frank M., assignor to Barney and Smith Car Company, Dayton, Ohio. Truck-transom	766,885	Aug. 9	1572	330	111	1409
Jones, Fred A., Worcester, Mass., assignor of two-thirds to W. E. D. Stokes, New York, N. Y., and T. Larsson, Worcester, Mass. Plunger-elevator	772,361	Oct. 18	2338	513	112	1501
Jones, Frederick B. (See Faherty, Michael W., assignor.)						
Jones, Frederick M. H. (See Hermann, Robert, assignor.)						
Jones, Frederick W., Santa Paula, Cal. Casing-saw	759,379	May 10	1644	383	110	392
Jones, George. (See Jones, James U. and G.)						
Jones, George E., and H. L. Slusser, Columbus Grove, Ohio, assignors of one-half to C. H. Jones and G. W. Core. Indicator for barber-shops or the like	762,534	June 14	1816	391	110	1853
Jones, George F., <i>et al.</i> (See Edwards, Samuel, assignor.)						
Jones, George H., Salem, Oreg. Base for poles or posts	753,709	Mar. 1	952	216	109	205
Jones, George H., Chicago, Ill. Panel-board for electric distribution	756,966	Apr. 12	1501	331	109	1678
Jones, George H., Oregon, Ill. Piano-back	762,825	June 14	2409	524	110	1979
Jones, Harriett, Waukesha, Wis. Body-hanger for vehicles	757,623	Apr. 19	2853	621	109	1964
Jones, Harry, Richmond, Ind. Pump	751,651	Feb. 9	1663	364	108	1417
Jones, Harry, Bloomfield, assignor of one-half to F. D. Ward, Glenridge, N. J. Wheel	775,584	Dec. 27	4212	918	113	2338

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Jones, Harry S., administrator. (See Jones, Harvey P.)						
Jones, Harvey P., deceased, Chicago, Ill., (H. S. Jones, administrator, assignor to W. G.)	775,230	Nov. 15	3352	714 715	113	788
Jones, Henry, assignor to R. L. Gibson, Philadelphia, Pa. Sound recording and reproducing machine	750,460	Jan. 26	3786	823	108	892
Jones, Herbert A., Himrods, N. Y. Cattle-marking tool	748,613	Jan. 5	106	27	108	24
Jones, Horace K., Hartford, assignor to Russell and Erwin Manufacturing Company, New Britain, Conn. Machine for rolling carpenters' squares	748,570	Jan. 5	600	135 136	108	134
Jones, Howard F., Wilson, N. C. Heat-alarm	750,543	Jan. 26	3966	858	108	928
Jones, Howard F., Wilson, N. C. Fluid-pressure weighing-scale	751,395	Feb. 2	961	323	108	1265
Jones, Howard F., Wilson, N. C. Fluid-pressure weighing-scale	751,396	Feb. 2	964	224	108	1266
Jones, Howard F., Wilson, N. C. Fluid-pressure weighing-scale	751,397	Feb. 2	965	224	108	1266
Jones, Hugh, Edwardsdale, Pa. Car-brake	753,883	Mar. 29	3216	1154	109	1207
Jones, Hugh L., Osceola, Mo. Box-fastener	753,889	Mar. 8	1347	304	109	311
Jones, James, et al. (See Baird, Clarence D., assignor.)						
Jones, James, Jr., Jasper, Tex. Combined box-lid support and label-holder	750,655	Jan. 26	4148	900	108	966
Jones, James A., Plymouth, Ind. Machine for cleaning blackboard-erasers	754,230	Mar. 8	1982	1440	109	452
Jones, James A., Plymouth, Ind. Pencil-sharpening machine	777,792	Dec. 20	2601	574	113	2028
Jones, James B., Ardmore, Ind. Ter. Washboard	755,672	Mar. 29	4776	1063	109	1106
Jones, James E. (See Doss, Andrew J., assignor.)						
Jones, James E. (See King, Harry, assignor.)						
Jones, James E. (See Somes, Frank C., assignor.)						
Jones, James E., Switchback, W. Va. Coke-puller	757,312	Apr. 12	2206	492	109	1829
Jones, James E., Switchback, W. Va. Coke-puller	775,179	Nov. 15	3247	694	113	765
Jones, James E., Switchback, W. Va. Coke-puller	775,180	Nov. 15	3249	695	113	765
Jones, James E., Richmond, Ind. Shaft supporting and operating mechanism	776,517	Dec. 6	80	19, 20	113	1442
Jones, James E., Switchback, W. Va., and H. King, Washington, D. C.; said King assignor to said Jones. Coke-puller	775,177	Nov. 15	3243	694	113	764
Jones, James E., Switchback, W. Va., and H. King, Washington, D. C.; said King assignor to said Jones. Coke-puller	775,178	Nov. 15	3246	694	113	764
Jones, James H., Bristol, assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Engine-valve	754,569	Mar. 15	2726	593	109	629
Jones, James H., Bristol, assignor to Corbin Motor Vehicle Corporation, New Britain, Conn. Running-gear for vehicles	773,504	Oct. 25	4799	1012	112	2062
Jones, James H., Bristol, and F. H. Bogart, Hartford, assignors to Corbin Motor Vehicle Corporation, New Britain, Conn. Means for cooling internal-combustion motors for automobile use	764,893	July 12	2044	423	111	463
Jones, James M., Allegheny, Pa. Necktie-holder	764,728	July 12	1712	350	111	390
Jones, James R., and G. Callaway, Highland Park, Tenn. Windlass water-elevator	751,632	Feb. 9	1603	364	108	1418
Jones, James U., and G. Chattanooga, Tenn. Massage apparatus	764,470	July 5	1148	233	111	253
Jones, Jesse R., Jackson, Miss. Cultivator	753,983	Mar. 8	1534	342	109	355
Jones, Jesse R., Jackson, Miss. Convertible plow, cultivator, and harrow	761,840	June 7	456	93	110	1540
Jones, John A., New York, N. Y. Bottle-stopper	749,555	Jan. 12	2087	434	108	489
Jones, John A., New York, N. Y. Cap for bottles or other vessels	771,017	Sept. 27	3613	760	112	863
Jones, John J., and E. B. Swanstrom, St. Paul, Minn. Supplemental auxiliary feed for air-brake systems	749,612	Jan. 12	2161	453	108	505
Jones, John J. A., Green Island, N. Y. Printing apparatus	758,210	Apr. 26	3884	864	109	2251
Jones, John J. A., Green Island, N. Y. Printing-wheel	758,256	Apr. 26	4082	883	109	2271
Jones, John M. (See Sumner, Brewer, and Gibson, assignors.)						
Jones, John M. C., Gibson, N. Y. Corn and syrup feeder for canning factories	748,744	Jan. 5	3357	789	108	79
Jones, John O., assignor of one-half to A. J. Plumer, Hyannis, Nebr. Hydraulic well-drill	764,064	July 12	1589	324	111	363
Jones, John W. (See Platte and Jones.)						
Jones, John W., Vickery, assignor to H. S. Dyer, Fremont, Ohio. Clod-crusher and cultivator	775,039	Nov. 15	2952	630	113	698
Jones, Joseph H., assignor of one-half to J. E. Elliott, Scotland, Canada. Automatic attachment for gates	748,514	Jan. 5	107	27	108	25
Jones, Joseph W., New York, N. Y. Production of sound-records	763,564	June 28	3861	836	110	2338
Jones, Joseph W., New York, N. Y. Speedometer	765,841	July 26	3911	833	111	890
Jones, Joseph W., New York, N. Y., assignor to American Graphophone Company, Washington, D. C. Sound-recording apparatus	763,903	June 28	4513	985	110	2478
Jones, Joseph W., New York, N. Y., assignor to American Graphophone Company, Washington, D. C. Production of sound-records	763,904	June 28	4515	985	110	2478
Jones, Joshua J., Pittsburg, Pa. Briquetting-machine	765,842	July 26	3912	834 835	111	890
Jones, Joshua W., Harrisburg, Pa. Folding and convertible cot or bed	758,211	Apr. 26	3985	865	109	2251
Jones, Joshua W., Harrisburg, Pa. Coin-holder or change-maker	777,378	Dec. 13	1796	398	113	1840
Jones, Lawrence R. (See Brady and Jones.)						
Jones, Leonidas B., and I. Mansfield, Chattanooga, Tenn. Harrow	765,283	July 19	2760	576	111	634
Jones, Llewellyn J. W. (See Bennetts and Jones.)						
Jones, Louis M., Grand Rapids, Mich. Combined underwaist and garment-supporter	752,343	Feb. 16	2938	654	108	1731
Jones, Louis A., Cambridge, assignor to F. N. Tait, Melrose, Mass. Binder-frame	754,070	Mar. 8	1689	376	109	389
Jones, Louis A., Cambridge, assignor to F. N. Tait, Melrose, Mass. Binder-frame	769,653	Sept. 6	975	211	112	222
Jones, Louis A., Cambridge, Mass., assignor to H. A. Brown, Philadelphia, Pa. Loose-leaf binder	764,665	July 12	1590	325	111	363
Jones, Lullie, Columbus, Ohio. Cloth-cleaning brush for flour-bolting machines	771,074	Sept. 27	3727	786	112	887
Jones, Lyman M., C. McLeod, Toronto, and W. G. Hunt, Montreal, assignors to Massey-Harris Company, Limited, Toronto, Canada. Swath-board for mower divider-shoes	777,731	Dec. 20	2483	547	113	2004
Jones, Marshall E., and J. E. Schafer, Sparta, Ill. Baling-press	777,474	Dec. 13	1977	438 439	113	1880
Jones, Newton C., assignor of one-half to M. B. Carpenter, Springfield, Mass. Curtain-roll support	752,397	Feb. 16	3041	676	108	1753
Jones, O. D. (See Schafer, John C., assignor.)						
Jones, Omer W., Sugar Creek township, Montgomery county, Ind. Marker-lifter for corn-planters	751,176	Feb. 2	3312	167 168	108	1214
Jones, Owen J., Bangor, Pa. Clasp	750,656	Jan. 26	4150	900	108	966
Jones, Owen M., New York, N. Y. Freight-car	759,285	May 10	1452	1290	110	352
Jones, Price G., Sufield, Conn. Car-replacing device	778,541	Dec. 27	4119	898	113	2365
Jones, R. M. (See Pruy, Marcellus, assignor.)						
Jones, Richard M., Beaver, Mo. Machine for driving fence-posts	755,673	Mar. 29	4777	1063	109	1106
Jones, Richard T., Baltimore, Md. Paper-roll holder and cutter	751,920	Feb. 9	2137	479	108	1532
Jones, Sallie, Glasgow, Ky. Magnifying attachment for sewing-machines	756,024	Mar. 29	5434	1212	109	1268
Jones, Samuel, Fremont, Ohio. Automatic slack-adjuster for brake-rods	778,585	Dec. 27	4217	919	113	2384
Jones, Samuel A., and F. W. Downham, Deshler, Ohio. Cream-can	752,344	Feb. 16	2940	655	108	1732

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Jones, Thomas, Acme, Tex. Purifying water	773,895	Oct. 25	4559	-----	112	2012
Jones, Thomas A., Ridgway, Ill. Storm-coat	758,182	Apr. 26	3993	853	109	2240
Jones, Thomas E., Chicago, Ill. Hog-scalding machine	759,529	May 10	1929	394	110	457
Jones, Thomas H., Portsmouth, England. Signaling on electric-traction systems	758,922	May 8	685	137 138	110	161
Jones, Thomas N. (See Jones, Willis R., assignor.)						
Jones, Thomas S. (See Williams, Willie L., assignor.)						
Jones, W. Gifford, <i>et al.</i> (See Jones, Harvey P., assignor.)						
Jones, Wallace B., Burroak, Kans. Clead-forming machine	765,180	July 19	2579	589	111	594
Jones, Walter J., Newark, assignor to A. S. Martin, East Orange, N. J. Hanger for electric-arc lamps	774,669	Nov. 8	2159	472	113	494
Jones, Wiley W., Downs, Kans. Cutter-bar for mowing-machines	749,613	Jan. 12	2163	453	108	506
Jones, William A., Branch, Pa. Shaft-fastener	757,932	Apr. 19	3437	744	109	2112
Jones, William E., <i>et al.</i> (See Adair, Charles E., assignor.)						
Jones, William E., Elhiaville, Miss. Eight-wheeled wagon	756,447	Apr. 5	854	186	109	1524
Jones, William E., Fargo, N. D. Chute for pneumatic stackers	763,101	June 21	2944	635	110	2117
Jones, William G., and R. M. George, Chattanooga, Tenn. Mail-box	777,026	Dec. 6	1132	246	113	1678
Jones, William H. W., Waverly, N. Y. Jar or bottle closure	769,866	Sept. 13	1394	297	112	334
Jones, William N., Steubenville, Ohio. Mandrel holding and operating machine	770,072	Sept. 13	1761	372	112	415
Jones, William R., Kremlin, Okla. Ter. Traction-engine	758,737	May 3	358	72	110	85
Jones, William S., Greensburg, Pa. Ore-leaching apparatus	777,379	Dec. 13	1799	399	113	1540
Jones, Willis, Chicago, Ill. Tie-plate	757,467	Apr. 19	2515	552	109	1908
Jones, Willis R., assignor of one-half to T. N. Jones, Smithfield, Va. Machine for picking peanuts	777,287	Dec. 13	1609	357	113	778
Jones, Willis S., Chicago, Ill. Tie-plate for railways	754,654	Mar. 15	2893	632	109	1694
Jones, Wilson H. (See Ruth and Jones.)						
Jonson, Julius, New York, N. Y. Coin-operated mechanism for vending-machines	762,909	June 21	2581	561	110	2037
Jonson, Julius, New York, N. Y. Vending-machine	767,061	Aug. 9	1909	401	111	1486
Jonsrud, Peter J., and M. M. Skyrud, Blair, Wis. Mail-carrier box	776,663	Dec. 6	393	85	113	1515
Jordan, Edward A., Philadelphia, Pa. Box-machine	771,825	Oct. 11	1196	266	112	1230
Jordan, Elmore C., Los Angeles, Cal. Water-gate	774,080	Nov. 1	1085	232	113	245
Jordan, George J. and R. M., Cooper, Tex. Gin-saw cleaner	759,998	May 17	2845	595	110	675
Jordan, Harry I. (See Blackinton, Henry B., assignor.)						
Jordan, James T., Los Angeles, Cal. Cultivating implement	758,971	May 3	776	155	110	180
Jordan, James T., San Antonio, Tex. Self-measuring scale	769,697	Sept. 13	1071	230	112	261
Jordan, John J., Tanopah, Nev. Safety device for elevators	771,475	Oct. 4	498	113	112	1044
Jordan, John J., Tanopah, Nev. Controlling mechanism for hoists	777,903	Dec. 20	2874	633	113	2082
Jordan, Robert M. (See Jordan, George J. and R. M.)						
Jordan, William T., assignor of one-half to F. A. Holbrook, Chicago, Ill. Blackboard-machine	753,829	Mar. 1	1234	277	109	365
Jorgensen, Hans, Chicago, Ill. Cabinet-maker's clamp	776,659	Nov. 23	4304	914	113	1032
Jorgensen, Jorgen, South Omaha, Nebr. Ear-corn-grinding mill	766,690	Aug. 2	1152	239	111	1297
Jory, Joseph H. (See Jory, William J. and J. H.)						
Jory, William J. and J. H., San Francisco, Cal. Electrolytic deposition apparatus	757,557	Apr. 19	2699	590	109	1949
Jory, William J. and J. H., San Francisco, Cal. Recovering metals from ores or sands	760,539	May 24	3577	823	110	924
Joseph, Adolph, <i>et al.</i> (See Royle, Samuel, assignor.)						
Joseph, Emil, Berlin, Germany. Preparing highly-diluted solutions	758,450	Apr. 26	4475	-----	109	2359
Joseph, Gwilym A. (See Joseph, Owen G. and G. A.)						
Joseph N. Smith & Co. (See Chamberlin, Charles E., assignor.)						
Joseph, Owen G. and G. A., Kensington, London, England. Fastening	773,795	Nov. 1	491	107	113	115
Joseph, Rupert L., <i>et al.</i> (See Gallagher, George S., assignor.)						
Joseph, Thomas B., San Francisco, Cal. Apparatus for extracting metals by chemical process	758,367	Apr. 26	4316	927	109	2323
Joseph, Ina O. (See Josephi, James E. and I. O.)						
Josephi, James E. and I. O., San Francisco, Cal. Combination suspenders and stocking-supporter	750,978	Feb. 2	368	89	108	1139
Joslin, Amos P., <i>et al.</i> (See Williams, Albert L., assignor.)						
Josserand, François, and C. A. M. Jacquet, Paris, France. Machine for dressing solid or hollow bars, rods, &c.	748,745	Jan. 5	357	79, 80	108	79
Jost, John F. W., Jersey City, N. J. Lamp	771,018	Sept. 27	3615	761	112	864
Joy, Charles H., and C. T. Frantz, Chicago, Ill. Coin-selective and coin-actuated mechanism for vending-machines	767,345	Aug. 9	2449	514	111	1601
Joy, Charles L., New Haven, Conn. Machine for polishing cutlery	765,243	July 19	2687	559	111	618
Joy, David C., Flints Mill, Ohio. Tree-swage	750,369	Jan. 26	3022	786	108	857
Joy, Frank M. (See Hines, Thomas R., assignor.)						
Joy, Joseph F., Neweagle, Pa. Coal-mining machine	772,152	Oct. 11	1898	420	112	1381
Joy, Joseph F., Neweagle, Pa. Lubricating device	772,153	Oct. 11	1901	421	112	1381
Joyce, Joseph L., Egremont, Mass., assignor of one-half to A. M. Hamilton, New York, N. Y. Windmill	762,315	June 14	1355	291	110	1754
Joyce, Michael, Salt Lake City, Utah. Sled-draw	757,198	Apr. 12	1969	429	109	1780
Joyce, William, New York, N. Y. Vent apparatus for oil or other cans	756,373	Apr. 5	375	76	109	1244
Joynt, Charles W., Seattle, Wash. Portable apparatus for thawing frozen ground	763,012	June 28	3938	856	110	2355
Joynt, James, St. Louis, Mo. Flexible metallic pipe-coupling for railway-cars	757,313	Apr. 12	2308	482	109	1829
Judd, Edward M., Wallingford, Conn. Mail-marking and canceling device	751,730	Feb. 9	1762	400	108	1450
Judd, Henry G., Waterbury, Conn. Handcuff	766,263	Aug. 2	254	49	111	1096
Judd, Josiah, assignor to New Haven Mfg. Co., New Haven, Conn. Speed-changing mechanism for engine-lathes	762,062	June 7	865	178	110	1624
Judd and Leland Manufacturing Company. (See Belden, Charles H., assignor.)						
Judd, William J., Parkridge, N. J. Mixer	775,242	Nov. 15	3425	722 723	113	813
Judelson, Julius, New York, N. Y. Clothes-drier	758,451	Apr. 26	4476	962	109	2359
Judge, Franklin. (See Quantell and Judge.)						
Judge, Winifred E., New York, N. Y. Daily-engagement calendar	766,763	Aug. 2	1277	271	111	1324
Judka, Abraham, New York, N. Y. Manufacture of biscuit-cups	774,586	Nov. 8	2015	439	113	464
Judson, Horace H., Newford, Conn., assignor to Nonpareil Cork Manufacturing Company, New York, N. Y. Non-conducting wall	755,137	Mar. 22	3782	833	109	879
Judson L. Thomson Manufacturing Company. (See Maenche, Albert T., assignor.)						
Judson, Walter H., and J. B. Watson, Chicago, Ill. Poultry-car	777,732	Dec. 20	2484	548 549	113	2004
Juengst, Charles A., Croton Falls, N. Y. Signature-gatherer	761,496	May 31	5794	1258	110	1258
Juengst, Charles A., Croton Falls, N. Y. Stop mechanism	763,673	June 23	4066	885	110	2383
Juengst, Charles A., Croton Falls, N. Y. Signature-gathering machine	768,461	Aug. 23	4755	997	111	2155
Juengst, Charles A., Croton Falls, N. Y. Pneumatic sheet-separator	768,462	Aug. 23	4758	997	111	2155

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Juengst, Charles A., Croton Falls, N. Y. Curved plate for signatures or sheets.....	768,463	Aug. 23	4760	998	111	2156
Juengst, Charles A., Croton Falls, assignor to Higley Machine Company, New York, N. Y. Cold-metal saw-blade.....	772,154	Oct. 11	1902	421	112	1382
Juergens, Mary E., Chicago, Ill. Machine for use in culinary operations.....	769,169	Sept. 6	65	17	112	15
Juhl, Claus A., Chicago, Ill. Elevator or hoist.....	768,902	Aug. 30	5681	1194	111	2377
Julian, Warner C., Enid, Okla. Ter. Wire-tightener.....	770,908	Sept. 27	3394	716	112	814
Julian, William J., Charles City, Iowa. Disk-sharpener.....	754,455	Mar. 15	2500	544	109	581
Julius, Paul, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Red azo dye.....	752,562	Feb. 16	3352	-----	108	1822
Julius, Paul, and C. Winter, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Red azo color.....	765,079	July 12	2400	-----	111	537
Julius, Paul, and E. Fussenegger, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin & Soda Fabrik. Azob dye and making same.....	754,315	Mar. 8	2153	-----	109	487
Julius, Paul, and F. Osthelder, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Yellow-red azo color.....	765,080	July 12	2401	-----	111	537
Julius, Paul, Ludwigshafen-on-the-Rhine, and S. Haackel, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Red azo dye.....	759,716	May 10	2278	-----	110	532
Julius, Paul, and S. Haackel, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azob dye and making same.....	765,581	July 19	3356	-----	111	761
Julius, Paul, H. Beindel, and F. C. Günther, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Azob dye and making same.....	770,177	Sept. 13	1950	-----	112	455
Jumper, Oliver M., Lafayette, Ind. Tool for cement-work.....	775,110	Nov. 15	3097	658	113	731
Jung, Albert. (See Servuss, Eugen, assignor.)						
Jung, John W. (See Loh and Jung.)						
Junge, August, et al. (See Dietz, Christian F., assignor.)						
Junge, George L., Pittsburg, Pa. Furnace construction.....	773,148	Oct. 25	4042	856	112	1898
Junge, George L., Pittsburg, Pa. Arch construction.....	773,149	Oct. 25	4043	857	112	1898
Junggren, Oscar. (See Emmet and Junggren.)						
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Turbine.....	764,471	July 5	1149	233	111	254
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine.....	768,604	Aug. 30	5078	1066	111	2242
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Turbine.....	769,612	Sept. 6	902	195	112	204
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for turbines.....	769,613	Sept. 6	904	196	112	205
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Turbine.....	776,518	Dec. 6	83	20	113	1443
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Centrifugal governor.....	778,248	Dec. 27	3536	776	113	2238
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Centrifugal governor.....	778,249	Dec. 27	3538	776	113	2239
Junghans, Arthur, and G. A. Wlost, assignors to Vereinigte Uhrenfabriken von Gebrüder Junghans and Thomas Haller A.-G., Schramberg, Germany. Clock-bell.....	773,646	Nov. 1	210	46	113	51
Junghans, Oscar, Schramberg, Germany. Apparatus for producing illuminating effects.....	769,348	Sept. 6	428	96	112	94
Junken, Charles A., and W. F. C. Tredwell, said Tredwell assignor, by mesne assignments, to W. H. Boyenton, Hampton, Va. Electrical signaling apparatus.....	773,326	Oct. 25	4406	935	112	1976
Junkers, Hugo, Aachen, Germany. Hot-water generator.....	762,910	June 21	2583	561	110	2037
Junkin, John P., and A. Alexander, Pheba, Miss. Belt-fastener.....	757,692	Apr. 19	2917	641	109	1999
Jurado, Santos, assignor to W. Fechtenberg & Co., New York, N. Y. Toy.....	772,281	Oct. 11	2160	472	112	1441
Jürgens, Julius C. F., assignor to R. G. Witt, Hamburg, Germany. Incandescent gas-burner.....	777,212	Dec. 13	1476	327	113	1769
Juschke, Paul, New York, N. Y. Pool-ball placer and holder.....	752,292	Feb. 16	2843	631	108	1710
Just, George J., Northbranch, Iowa. Telephone-chair.....	777,954	Dec. 20	2970	653	113	2101
Just, John A., Pulaski, N. Y. Dried milk powder.....	764,294	July 5	778	158	111	71
Just, John A., Pulaski, N. Y. Evaporating apparatus.....	765,315	July 19	2826	589	111	648
Just, John A., Pulaski, N. Y. Evaporating liquids.....	765,343	July 19	2897	605	111	653
Just, Thomas D., Philadelphia, Pa. Water-purifier.....	772,416	Oct. 18	2439	535	112	1523
Justen, Joseph M., assignor of two-fifths to J. Malikowski, Toledo, Ohio. Closet-flush-ing device.....	768,732	Aug. 30	5377	1132	111	2308
Justice, Noah. (See Pertz, John W., assignor.)						
Justus, Charles W., Lima, assignor of one-half to A. Benroth, Bluffton, Ohio. Land-anchor.....	756,374	Apr. 5	376	77	109	1424
Kaar, Ira J., Havelock, Nebr. Double lister.....	760,872	May 24	4562	972	110	1070
Kabreck, George, Jersey City, N. J. Window.....	753,579	Mar. 1	701	157	109	154
Kabureck, George, Jersey City, N. J. Pivoted sash.....	754,655	Mar. 15	2895	633	109	665
Kade, Charles F., assignor to M. Winter Lumber Company, Sheboygan, Wis. Kitchen-cabinet.....	754,570	Mar. 15	2727	593	109	630
Kade, Charles F., assignor to A. F. Winter, Sheboygan, Wis. Bracket.....	756,648	Apr. 5	856	186	109	1524
Kade, Benjamin F., Rock Falls, and H. F. Rodemeyer, assignors to Sterling Manufacturing Company, Sterling, Ill. Hay-loader.....	757,122	Apr. 12	1816	399	109	1744
Kadlecik, George, Brooklyn, N. Y. Pump and water-power motor.....	749,614	Jan. 12	2165	453	108	506
Kadow, Otto F., et al. (See Keller, James C., assignor.)						
Kadow, Otto F. (See Keller and Kadow.)						
Kaefter, John, Hamilton, Ohio. Caster.....	773,940	Nov. 1	822	173	113	189
Kaestner, John D., Minneapolis, Minn. Sole or heel protector.....	750,979	Feb. 2	369	89	108	1139
Kaifer, Edward, Manhattan, Ill. Coffin-case.....	752,075	Feb. 16	2428	543	108	1616
Kahl, Louis C., assignor to Waterbury Machine Company, Waterbury, Conn. Fastener.....	771,912	Oct. 11	1385	315	112	1268
Kahl, Louis C., assignor to Waterbury Machine Company, Waterbury, Conn. Attachment for spinning-lathes.....	768,198	Aug. 23	4192	881	111	2024
Kahle, Nathaniel W., Frampton, Pa. Wrench.....	761,383	May 31	5604	1103	110	1314
Kahlenberg, William R., Two Rivers, Wis. Gas-engine.....	748,615	Jan. 5	108	27	108	25
Kahler, Gottlieb P. (See Graber and Kahler.)						
Kahler, Gottlieb P., Arrington, Ill. Rotary weight-motor.....	775,008	Nov. 15	2891	618	113	638
Kahler, Harvey J., Athens, Mich. Stovepipe-holder.....	775,672	Dec. 27	4373	955	113	2420
Kahlbus, Henry, Philadelphia, Pa. Non-refillable bottle.....	749,395	Jan. 12	1712	363	108	408
Kahn & Bros., F. & L. (See Kahn and Longfellow, assignors.)						
Kahn, Felix, assignor to J. S. MacCoy, New York, N. Y. Apparatus for cooking by retained heat.....	777,103	Dec. 13	1279	282	113	1728
Kahn, Felix, assignor to J. S. MacCoy, New York, N. Y. Apparatus for cooking by retained heat.....	777,104	Dec. 13	1282	282	113	1728
Kahn, Julius, Detroit, Mich. Composite building construction.....	751,921	Feb. 9	2129	480	108	1533
Kahn, Julius, Detroit, Mich. Combined steel and concrete beam.....	768,284	Aug. 23	4395	923	111	2069
Kahn, Julius, Detroit, Mich. Fireproof floor or ceiling.....	768,285	Aug. 23	4396	923	111	2069
Kahn, Julius, Detroit, Mich. Self-centering plate.....	775,927	Nov. 29	4838	1025	113	1157

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Kahn, Lazard, and M. Longfellow, assignors to F. & L. Kahn & Bros., Hamilton, Ohio. Gas-burner for heating.	769,387	Sept. 6	497	110	112	113
Kahn, Nathan, <i>et al.</i> (See Curtis, J. Harrison, assignor.)						
Kail, Jackson L. (See Parsons, Winslow, and Kail.)						
Kaiser, Charles J. (See Mueller, Edward C., assignor.)						
Kaiser, Friedrich. (See Stephan and Kaiser.)						
Kaiser, George W., Wilmerding, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. High-speed pressure-reducing valve.	764,596	July 12	1438	294	111	330
Kaiser, George W., Wilmerding, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Pressure-reducing valve for air-brakes.	764,597	July 12	1439	294	111	331
Kaiser, John, Seneca Falls, N. Y. Aerial apparatus.	756,169	Mar. 29	5741	1269	109	1321
Kaiser, Joseph, Columbus, Ohio. Hat-fastener.	754,316	Mar. 8	2154	477	109	487
Kaiser, Joseph, San Francisco, Cal. Cork-extractor.	772,888	Oct. 19	3366	732	112	1724
Kaiser, Joseph M., <i>et al.</i> (See Moses, Harry S., assignor.)						
Kaiser, Martin A. (See Gunn, Charles H., assignor.)						
Kaiser, Oliver B., Norwood, assignor of two-thirds to J. E. Stacey, Wyoming, Ohio. Curtain.	767,346	Aug. 9	2453	514	111	1602
Kaiser, Oliver B., Norwood, assignor to Tudor Boiler Manufacturing Company, Cincinnati, Ohio. Bracket.	773,207	Oct. 25	4188	884	112	1930
Kaiser's Kaffeegeschäft, Gesellschaft mit Beschränkter Haftung zu Viersen. (See Abels, Franz, assignor.)						
Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Machine for marking transmitter-fronts or the like.	756,649	Apr. 5	857	1187 1188	109	1524
Kaisling, William, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Switchboard apparatus.	763,404	June 28	3564	768	110	2276
Kaisling, William, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-transmitter.	765,488	July 19	3198	668	111	727
Kaisling, William, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Plug-seat switch for telephone-switchboards.	765,489	July 19	3201	669	111	728
Kalaba, Morris. (See Steele and Kalaba.)						
Kalb, Adam, and A. R. Berger, New York, N. Y. Door check and lock.	768,528	Aug. 23	4887	11024 11025	111	2182
Kalbach, Morgan D., Lebanon, Pa. Steam-turbine.	766,044	July 26	4283	918	111	971
Kalbach, Stanley, Wildwood, N. J. Electric-light-circuit protector.	756,025	Mar. 29	5496	1212	109	1268
Kalber, Charles H., Schenectady, N. Y., assignor to General Electric Company. Field-coil structure.	750,980	Feb. 2	370	89, 90	108	1139
Kalisher, Harry. (See Kalisher, Samuel and H.)						
Kalisher, Samuel and H., Chicago, Ill. Gate.	753,139	Feb. 23	4499	11001 11002	108	2093
Kall, Nicolaus, Denver, Colo. Saw-filing machine.	757,663	Apr. 19	2918	1634 1635	109	1999
Kalle and Company. (See Elbel, Karl, assignor.)						
Kallmann, Martin, assignor to Internationale Electricitäts Zähler Gesellschaft, M. B. H., Berlin, Germany. Electricity-meter.	759,286	May 10	1456	290	110	353
Kallstrom, John, Chicago, Ill. Combined stirrer and tongs.	776,184	Nov. 29	5353	1132	113	1276
Kaltenbach, Frederick, Montreal, Canada. Car-coupling.	778,042	Dec. 20	3141	1691 1692	113	2135
Kaltenegger, Ferdinand, Brixen, and N. L. von Liburnau, Weidlingau, Austria-Hungary. Dissolving gases in liquids for the purpose of keeping alive aquatic animals and water-plants.	754,317	Mar. 8	2156	477	109	488
Kaltschmid, Karl, Oberriexingen, Germany. Sad-iron.	749,615	Jan. 12	2167	454	108	506
Kammerer, Frank G. (See Walter, William H., assignor.)						
Kammerer, Frank G., Chicago, Ill. Liquid-dispensing apparatus.	774,986	Nov. 15	2853	609	113	675
Kammerer, Mathias, Fairbury, Ill. Machine for molding plastic material.	758,972	May 3	777	156	110	180
Kammerer, Otto, Charlottenburg, Germany. Electric gear for cranes.	750,370	Jan. 26	3023	786	108	857
Kammerer, Philip, New York, N. Y. Tunnel construction.	772,155	Oct. 11	1903	1421 1422	112	1382
Kamperdyk, Pierre J., New York, N. Y. Electric battery.	763,674	June 28	4069	886	110	2383
Kamperdyk, Pierre J., New York, N. Y. Electric battery.	764,813	July 12	1883	386	111	428
Kamperdyk, Pierre J., New York, N. Y. Electric battery.	768,372	Aug. 23	4560	958	111	2105
Kampfe, Frederick. (See Kampfe, Otto, assignor.)						
Kampfe, Frederick. (See Kampfe, Otto and F.)						
Kampfe, Otto, New York, N. Y. Blade-holder.	767,695	Aug. 16	3149	658	111	1775
Kampfe, Otto, New York, N. Y. Stropping-machine.	767,696	Aug. 16	3150	658	111	1775
Kampfe, Otto, New York, assignor of one-half to F. Kampfe, Brooklyn, N. Y. Lawn-rake.	757,123	Apr. 12	1819	399	109	1745
Kampfe, Otto, New York, assignor of one-half to F. Kampfe, Brooklyn, N. Y. Driven-well point.	757,124	Apr. 12	1819	399	109	1745
Kampfe, Otto and F., New York, N. Y. Cover for vessels.	767,497	May 31	5799	1239	110	1353
Kampfe, Otto and F., New York, N. Y. Cover for vessels.	761,493	May 31	5800	1239	110	1360
Kampmann, Henri, Baltimore, Md. Reinforce concrete construction.	762,479	June 14	1702	366	110	1827
Kanalz, Julius, Parkersburg, W. Va. Ice-table.	754,144	Mar. 8	1833	408	109	421
Kanarr, William R., Marion Center, assignor of one-half to H. S. McAfoos, Deckers Point, Pa. Railway-rail joint.	750,859	Feb. 2	149	34	108	1090
Kandle, Austin D., Bridgeton, N. J. Attachment for barbers' chairs.	761,232	May 31	5306	1126	110	1249
Kandó, Coloman de, Budapest, Austria-Hungary. Overhead trolley-wire system.	771,875	Oct. 11	1311	296	112	1253
Kane, John, Passaic, N. J., assignor to Manhattan Rubber Mfg. Co. Ore-concentrator belt.	776,744	Dec. 6	563	123	113	1551
Kane, Maurice, Chicago, Ill. Grain-lifting attachment for harvesting-machines.	771,552	Oct. 4	608	149	112	1101
Kane, Maurice, Austin, assignor to International Harvester Company, Chicago, Ill. Hay-rake.	766,886	Aug. 9	1571	331	111	1409
Kane, Maurice, Chicago, Ill., and F. P. Burkhardt, Springfield, Ohio. Corn-harvester.	767,347	Aug. 9	2156	515	111	1603
Kane, Maurice, Chicago, Ill., and F. P. Burkhardt, Springfield, Ohio, assignors to International Harvester Company. Grain-lifting attachment for mowing-machines.	777,738	Dec. 20	2489	549	113	2005
Kane, Michael J., St. Paul, Minn. Folding paper box.	762,724	June 14	2207	479	110	1935
Kane, William, Philadelphia, Pa. Hot-water heater.	759,390	May 10	1643	383	110	392
Kann, William L., Pittsburg, and J. H. Curry, Wilkensburg, Pa. Fastening for plate-glass in store-fronts and show-cases.	760,741	May 24	4313	916	110	1016
Kanning, Frederick H., East St. Louis, Ill. Wrench.	777,955	Dec. 20	2972	653	113	2102
Kanst, Edwin A., Chicago, Ill. Sodding composition and making same.	776,246	Nov. 29	5486	1161	113	1307
Kantner, Philip E. (See Livengood, Jacob S., assignor.)						
Kaphingst, George. (See Seith and Kaphingst.)						
Kaping, Herman, Chicago, Ill. Smoke-consumer.	750,860	Feb. 2	150	34, 35	108	1090
Kaplan, Abraham S., Boston, Mass. Traction-vehicle.	775,408	Nov. 22	3767	797	113	909
Kaplan, Henry, Los Angeles, Cal. Order-board.	773,749	Nov. 1	411	91	113	97
Kapp, Gisbert, Berlin, Germany. Apparatus for registering the supply of electricity.	771,207	Sept. 27	3984	843	112	942

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Kappa, F. H., et al. (See Barnes, Willis W., assignor.)						
Kappele, Henry, assignor of one-half to J. J. Bradley, Matteawan, N. Y. Door-fastener.	767,566	Aug. 16	2903	607	111	1721
Kappellmann, Henry D. (See Kappellmann, John H. and H. D.)						
Kappellmann, John H. and H. D., assignors to Hoermann Brothers Company, Linn, Kans. Gearing for traction engines.	771,371	Oct. 4	301	66, 67	112	1025
Kappenhagen, Andrew A., Cleveland, Ohio. Railway-tie.	775,473	Nov. 22	3925	828	113	943
Kappler, Fred, Jr., Lake Linden, Mich. Marlinespike.	759,717	May 10	2279	471	110	532
Kapteyn, Albert, London, England, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake.	777,105	Dec. 13	1283	283	113	1728
Karcher, Otto, assignor to C. N. Gonder and O. E. Eschliman, Canton, Ohio. Stair-carpet fastener.	778,586	Dec. 27	4218	919	113	2384
Karle, George J., and R. M. Hatch, Buffalo, N. Y. Gas-heater.	766,446	Aug. 2	597	126	111	1170
Karle, Hugo, Seckenheim, and J. Schmidt, Mannheim, Germany. Production of substances resembling leather.	750,371	Jan. 26	3624	786	108	857
Karle, John D., Bridgeport, Conn. Device for holding and exhibiting cards.	768,286	Aug. 23	4398	924	111	2070
Karns, William E., Parkers Landing, Pa. Electrical railway danger-signal.	757,125	Apr. 12	1820	1399	109	1745
Karpen & Bros., S. (See Streich, Frank, assignor.)						
Karpen & Bros., S. (See Streich and Ruehs, assignors.)						
Karpen, Isaac, Chicago, Ill., assignor to S. Karpen & Bros. Spring-bottom.	767,062	Aug. 9	1912	401	111	1486
Karpp, Charles, Wallingford, Conn. Brush construction.	773,014	Oct. 25	3620	782	112	1797
Karr, Burton A., assignor of one-half to C. F. Mauer, Council Bluffs, Iowa. Grading-machine.	748,616	Jan. 5	109	28	108	25
Karr, Francis. (See Brouyette, Charles D., assignor.)						
Karr, Francis, Holland, Mich. Spring-bed-bottom.	774,670	Nov. 8	2161	472	113	495
Karr, Harry. (See Freeman and Karr.)						
Karreman, Adrian K., and O. Del Guerra, Chicago, Ill. Pneumatic tire for vehicle-wheels.	775,492	Nov. 22	3950	835	113	948
Kartmark, Otto, Brooklyn, N. Y., assignor of one-half to W. Davis, Jersey City, N. J. Apparatus for purifying liquids.	751,986	Feb. 9	2280	510	108	1564
Kary, Frank, assignor of one-half to C. Morlock, Chicago, Ill. Portable bowling-alley.	754,456	Mar. 15	2501	544	109	582
Kasper, John R. (See Reeves, Madison W., assignor.)						
Kassler, Edwin S. (See Torrence, William W., assignor.)						
Kasson, Mahlon O., Sandy Hill, N. Y., assignor to Union Bag and Paper Company. Pulp-grinder.	754,071	Mar. 8	1691	376	109	389
Kate, Lottie M., Rochester, N. Y. Support for curling-tongs.	774,671	Nov. 8	2162	473	113	495
Kates, Anthony T., assignor to Bray & Kates, Arlington Heights, Ill. Attaching hoops to milk-can breasts.	753,580	Mar. 1	704	158	109	154
Kates, Anthony T., assignor to Bray & Kates, Arlington Heights, Ill. Sheet-metal can.	753,581	Mar. 1	706	158	109	154
Kates, John L., et al. (See Kates, Samuel F., assignor.)						
Kates, Samuel F., assignor of two-thirds to S. F. Banks, J. L. Kates, and D. T. Davis, Salem, N. J. Railway-switch.	775,904	Nov. 22	4784	1014	113	1127
Kathol, William, Vailsburg, N. J. Filter.	756,375	Apr. 5	377	77	109	1424
Kato, Michael B., Duquesne, Pa. Rail-joint.	765,011	Jan. 12	2262	468	111	510
Katz, Daniel P., Philadelphia, Pa. Button.	750,861	Feb. 2	151	35	108	1090
Katz, Joseph M., New York, N. Y. Dress-suit case.	770,371	Sept. 20	2387	927	112	567
Katz, Oscar J., Rochester, N. Y. Stocking-stretcher.	751,633	Feb. 9	1605	365	108	1418
Kaufman, William H., Detroit, Mich. Baling-press.	763,905	June 28	4516	985	110	2478
Kaufhold, Max, and J. Hoffmann, assignors to Maschinenbau-Actien-Gesellschaft Union, Essen, Germany. Forming U-shaped buckets or pockets in the rims of gas or steam turbines.	765,284	July 19	2762	576	111	634
Kaufman, Adolph G., New York, N. Y. Heater.	764,947	July 13	2156	447	111	489
Kaufman, Adolph G., assignor to A. G. Kaufman Manufacturing Company, New York, N. Y. Burner.	768,753	Aug. 30	5373	1133	111	2306
Kaufman, Jonas, Newcastle, Pa. Electric-lamp guard.	757,314	Apr. 12	2209	483	109	1530
Kaufman, Paul E., assignor of two-thirds to S. Heidelbach and J. S. Rauh, Cincinnati, Ohio. Sewing-machine for felling.	763,001	June 21	2749	597	110	2074
Kaufmann, Ernst, Solingen, Germany. Manicure device.	762,725	June 14	2308	479	110	1935
Kaufmann, Ernst, Solingen, Germany. Pocket-knife.	765,285	July 19	2763	576	111	634
Kaufmann, George J., New York, N. Y. Coloring-matter and producing same.	767,894	Aug. 16	3528	987	111	1858
Kaufmann, Jacob. (See Fehr and Kaufmann.)						
Kaufmann, Lillian, New York, N. Y. Holder for ladies' shirt-waists.	759,614	May 10	2092	499	110	491
Kaufmann, William H., et al. (See Pilz, Theodore, assignor.)						
Kaul, Carl F., Madison, Nebr. Brick-kiln.	768,287	Aug. 23	4400	924	111	2070
Kausch, Louis W., Milwaukee, Wis. Draft and guide attachment for plows.	768,373	Aug. 23	4563	958	111	2106
Kautz, George, Sr., assignor to H. M. Kautz, Albany, N. Y. Dumping-wagon.	750,196	Jan. 19	3289	711	108	763
Kautz, Huldah M. (See Kautz, George, Sr., assignor.)						
Kavanaugh, Bedford T., Chicago, Ill. Sash-fastener and burglar-alarm.	777,344	Dec. 13	1733	383	113	1826
Kavle, Oscar C. (See Rice, Kavle, and McAll.)						
Kavle, Oscar C., Hartford, Conn., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Paper-guide for type-writers.	752,076	Feb. 16	2429	543	108	1616
Kavle, Oscar C., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine.	763,906	June 28	4520	986	110	2479
Kavle, Oscar C., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Cylinder-scale for type-writers.	775,332	Nov. 22	3610	765	113	872
Kaw, Max, assignor to L. Schreiber & Sons Company, Cincinnati, Ohio. Elevator-gate.	764,130	July 5	433	85	111	94
Kawake, Emil O. (See Papenfus, Charles H., assignor.)						
Kay, Elmer G., Everett, Wash. Eyeglasses.	773,750	Nov. 1	413	91	113	98
Kay, John C., administrator. (See Kay, John F.)						
Kay, John F., deceased, Passaic, N. J.; J. C. Kay, administrator. Driving mechanism.	752,905	Feb. 23	4033	903	108	1369
Kaye, Edward, Monaca, Pa. Illuminated indicator.	756,360	Apr. 12	1236	287	109	1634
Kaye, Edward, Monaca, Pa. Glass-faced brick, tile, &c.	758,973	May 2	779	156	110	180
Kaye, Edward, Monaca, Pa. Manufacturing glassware.	759,718	May 10	2280	471	110	532
Kaylor, Edward, Allegheny, Pa. Wrought-metal railway-car truck.	774,672	Nov. 8	2163	473	113	495
Kaylor, Edward, Allegheny, Pa. Wrought-metal railway-car truck.	774,673	Nov. 8	2166	474	113	496
Keables, Charles F., Indianapolis, Iowa. Balance-weight for braces.	757,315	Apr. 12	2210	483	109	1830
Keane, Thomas H. (See Rivalda, William, assignor.)						
Kearney, Edward, assignor to A. C. Mills, Jackson, Mich. Wire fence.	773,260	Oct. 25	4280	905	112	1952
Kearns-Gorsuch Bottle Co. (See Hess, Charles H., assignor.)						
Keates, Warren H., Atlantic City, N. J. Motor-vehicle.	778,133	Dec. 20	3321	738	113	2174
Keating, Daniel A., assignor of one-half to C. D. S. Miller, Bridgeport, Conn. Conveyor system.	756,170	Mar. 29	5745	1269	109	1322
Keating, John T., Garrison, Kans. Emergency-key for automatic car-couplings.	764,729	July 12	1713	350	111	390
Keating, Thomas F., New York, N. Y. Automatic signal.	763,613	June 28	3940	857	110	2355

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Keith, James, and W. W. Wardle, assignors to James Keith & Blackman Company, Limited, London, England. Apparatus for drying wool, &c.	758,200	Feb. 23	4613	1027 1028	108	2120
Keith, Jesse M., et al. (See Buckingham, Edward L., assignor.)						
Keith, John G., Brooklyn, N. Y. Punching bag	774,184	Nov. 8	1274	270	113	305
Keith, Thomas K., Boston, assignor to C. F. Brown, trustee, Reading, Mass. Bottle-labeling machine	762,826	June 14	2410	524 525	110	1974
Keithley, Herbert R., Chicago, Ill. Underframe for railway-cars	752,231	Feb. 16	8714	601	108	1683
Keithley, Herbert R., Wilson, N. Y. Stringer for supporting railway-track rails	768,229	Aug. 23	4290	902 903	111	2046
Käler, Hermann von, Leverkusen, near Cologne, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Making nitrous anhydrid and nitrites	763,491	June 28	3736		110	2310
Kellar, George, and E. Thomason, Covina, Cal. Valve for irrigation stand-pipes, &c.	763,187	June 21	3122	671	110	2158
Kellar, Philip R., et al. (See Ruhl, William G., assignor.)						
Kelleher, D. M., et al. (See Kempton, Benjamin S., assignor.)						
Kelleher, J. H. (See Crowell, Edward E., assignor.)						
Kellermen, Henry F., assignor to Utica Drop Forge & Tool Company, Utica, N. Y. Pliers	756,505	Apr. 5	618	134	109	1472
Keller, Albert T., Wilkinsburg, Pa. Valve for blowing-engines	778,493	Dec. 27	4047	882	113	2348
Keller, Albert T., Wilkinsburg, assignor of one-half to Mesta Machine Company, Pittsburgh, Pa. Universal mill	749,823	Jan. 19	2596	553 554	108	616
Keller, Alfred, assignor to Mermod Frères, St. Croix, Switzerland. Controlling mechanism for automatic musical instruments	752,683	Feb. 23	3613	804 805	108	1895
Keller, Calvin, Creighton, Nebr. Inkstand	758,257	Apr. 26	4084	884	109	2272
Keller, Carl H. (See Sickles, Franklin D., assignor.)						
Keller, Charles A., Paris, France. Electric furnace	754,656	Mar. 15	2897	633	109	665
Keller, Charles F., assignor to G. L. Lavery, Chicago, Ill. Rural mail-box	750,547	Jan. 26	3973	859	108	929
Keller, Charles L., assignor to Scherzer Rolling Lift Bridge Company, Chicago, Ill. Bascule-bridge	752,563	Feb. 16	3353	745 746	108	1832
Keller, Edward, and A. Ferrell, Baltimore, Md. Apparatus for pouring and filtering	768,605	Aug. 30	5080	1066 1067	111	2243
Keller, Edward A. Ferrell, and K. W. McComas, Baltimore, Md. Assay-button dropper	777,421	Dec. 13	1872	413	113	1857
Keller, Frederick, Allentown, and D. Bowers, Emaus, assignors of one-third to I. F. Hushner, Allentown, Pa. Car-coupling	777,057	Dec. 6	6196	360 361	113	1693
Keller, George, Gilman, Ill. Hoof and shoe expander	756,967	Jan. 12	1504	331	109	1679
Keller, Gottlieb, New York, N. Y. Tension device for warp-beams	768,464	Aug. 23	4762	998	111	2157
Keller, Henry C. (See Manppin and Keller.)						
Keller, Hugo, and F. Gallagher, Frankford, Pa. Umbrella	762,418	June 14	1539	342	110	1797
Keller, James C., assignor of two-thirds to C. Gird and O. F. Kadow, Cleveland, Ohio. Water-trap	767,093	Aug. 9	1913	401	111	1486
Keller, James C., and O. F. Kadow, Cleveland, Ohio. Electromagnet	752,345	Feb. 16	2942	655	108	1732
Keller, James C., and O. F. Kadow, Cleveland, Ohio. Electric switch	769,698	Sept. 13	1074	230 231	112	262
Keller, James D., Detroit, Mich. Horse-boot	756,792	Apr. 5	1149	254	109	1530
Keller, James H., Pinson, Tenn. Combined plow and harrow	771,253	Oct. 4	67	15	112	976
Keller, John A., et al. (See Epple, Carl H., assignor.)						
Keller, John E., Jr., Litchfield, Conn. Valve for pneumatic tires	750,982	Feb. 2	373	90	108	1140
Keller, John E., Jr., Litchfield, Conn. Pneumatic-tire valve	764,131	July 5	435	85	111	94
Keller, John E., Jr., Litchfield, Conn. Valve for pneumatic tires	771,156	Sept. 27	3889	820	112	923
Keller, Julius. (See Tynan and Mosteller, assignors.)						
Keller, Julius, Philadelphia, Pa., assignor to Philadelphia Pneumatic Tool Company. Handle for pneumatic tools	752,982	Feb. 23	4231	941	108	2032
Keller, Louis P., Fairfax county, Va., assignor of two-thirds to C. R. Talbert and G. W. Coldenstroth, Washington, D. C. Wrench	767,283	Aug. 9	2345	491	111	1578
Keller, Manna. (See Mishler, Sylvester S., assignor.)						
Keller, Paul G. W., Manitowoc, Wis. Apparatus for ascertaining the acceleration due to gravity	751,517	Feb. 9	1349	307 308	108	1365
Keller, Thomas H. (See Snively and Keller.)						
Keller, Volney P., Capon Iron Works, W. Va., assignor of one-half to J. J. Dunne, Philadelphia, Pa. Excavator	760,996	May 24	4802	1021	110	1121
Keller, William. (See Titus, Richard, assignor.)						
Keller, William H., Philadelphia, Pa. Handle for pneumatic tools	762,860	June 14	2486	539	110	1996
Keller, William H., Philadelphia, Pa. Handle for pneumatic tools	768,861	June 14	2488	539	110	1996
Kellermann, Jacques, Berlin, Germany. Protecting device for self-acting igniters	774,844	Nov. 15	2568	552	113	607
Kellett, Patrick C., Brooklyn, N. Y. Thermometer-case	758,711	Mar. 1	955	216	109	205
Kelly, Arthur F. (See Gorton, Robert, assignor.)						
Kelly, Arthur F., Worcester, assignor of one-half to R. Gorton, Newton, Mass. Paper-clip	761,635	May 31	6049	1298	110	1414
Kelly, Chester W., Providence, R. I. Pin-tongue joint	767,895	Aug. 16	3529	747	111	1858
Kelly, Edward S., St. Joseph, Mich. assignor of one-half to W. W. Cooper, deceased, Kenosha, Wis.; H. S. Cooper, executor. Gold-saving apparatus	766,626	Aug. 2	905	209	111	1262
Kelly, Frank P., South Bend, Ind. Wood-shaping machine	771,157	Sept. 27	3892	821	112	924
Kelly, Joseph E., Providence, R. I. Blower	776,847	Dec. 6	780	169	113	1597
Kelly, Manley, Colo. Lavo. Cream-separator	777,516	Dec. 13	2059	453	113	1897
Kelly, Michel J. (See Tyrrell, Herbert H., assignor.)						
Kelly, Richard J., Syracuse, N. Y. Lantern-frame	777,638	Dec. 13	2317	508 509	113	1951
Kelly-Springfield Road Roller Company. (See Townsend, George E., assignor.)						
Kelly, Thomas F., Galion, Ohio. Coffin-case	771,553	Oct. 4	669	150	112	1101
Kelly, Wilbur S., assignor of one-half to W. D. Crawford, Newton, Iowa. Tender for traction-engines	752,684	Feb. 23	3615	804 805	108	1896
Kelly, William D., Yonkers, N. Y. Sewer-center	767,111	Aug. 9	3018	420	111	1509
Kelly, William P., Pittsburg, Pa. Protector for smoke-box fronts	778,134	Dec. 20	3323	729	113	2175
Kelling, Kurt, Dresden, assignor to Grimme, Natalls & Co., Comanditgesellschaft auf Aktien, Braunschweig, Germany. Repetition means for calculating-machines	769,614	Sept. 6	907	196	112	206
Kellington, John, assignor of one-half to D. J. Munn and A. Even, New Westminster, Canada. Fish-cleaning machine	774,674	Nov. 8	2168	475 476	113	496
Kellington, John, assignor of one-half to D. J. Munn and A. Even, New Westminster, British Columbia, Canada. Machine for automatically measuring and delivering material	775,043	Dec. 20	3144	692	113	2136
Kellner, Carl, Vienna, Austria-Hungary. Manufacture of cellulose	773,941	Nov. 1	823		113	189
Kellner, Henry F., North Platte, Nebr. Fascine	749,386	Jan. 12	1714	368	108	409
Kellner, Henry F., North Platte, Nebr. Fascine	777,288	Dec. 13	1610	357	113	1799
Kellner, Walter, Düsseldorf, Germany. Machine for providing sheets of paper with glue or other suitable pasting material	777,258	Dec. 13	1557	347	113	1788
Kellorg, Benjamin H., Sherman, Conn. Draft-lightener	750,462	Jan. 26	3790	824	108	893
Kellogg, Benjamin H., Sherman, Conn. Device for attaching whiffletrees to cross-bars	767,820	Aug. 16	3394	716	111	1827

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Kellogg, Charles S. (See Hayes, Norman B., assignor.)						
Kellogg & Company, M. W. (See Elder, David D. J., assignor.)						
Kellogg, Edwin M., Madison, Wis., assignor of one-half to W. C. Thompson, Chicago, Ill.	757,126	Apr. 12	1823	400	109	1745
Grain-harvester						
Kellogg, Edwin M., St. Paul, Minn., assignor of one-half to W. C. Thompson, Chicago, Ill.	757,127	Apr. 12	1823	401	109	1746
Cord-knotter						
Kellogg, Edwin M., St. Paul, Minn., assignor of one-half to W. C. Thompson, Chicago, Ill.	757,128	Apr. 12	1833	402	109	1749
Harvester and binder						
Kellogg, George W., Winsted, Conn. Air-pump	748,617	Jan. 5	112	28	108	26
	753,496	Mar. 1	516	119	109	113
Kellogg, George W., Grand Forks, N. D. Car-door	777,517	Dec. 13	2061	454	113	1897
Kellogg, George W., Rochester, N. Y. Pressure-register						
Kellogg, Henry E. (See Swain, George F., assignor.)						
Kellogg, Henry E., Chicago, assignor of one-half to G. F. Swain, Harvey, Ill. Variable-speed device	765,667	July 26	3548	749	111	817
Kellogg, Henry E., and G. F. Swain, Harvey, Ill. Combined car brake and starter	757,811	Apr. 19	3808	650	109	2061
Kellogg, James A., and J. D. Brady, Pittsburg, Pa.; said Brady assignor to said Kellogg.	753,798	Mar. 1	1156	261	109	248
Indicator						
Kellogg, Karl, et al. (See Barnes, Charles O., assignor.)						
Kellogg, Milo G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill.	773,506	Oct. 25	4806	1013	112	2063
Multiple switchboard for telephone-exchanges						
Kellogg, Milo G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill.	776,067	Nov. 29	5127	1084	113	1224
Multiple switchboard for telephone-exchanges						
Kellogg, Milo G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill.	776,068	Nov. 29	5132	1085	113	1225
Multiple switchboard for telephone-exchanges						
Kellogg Switchboard & Supply Company. (See Christopher, Albert C., assignor.)						
Kellogg Switchboard & Supply Company. (See Dean, William W., assignor.)						
Kellogg Switchboard & Supply Company. (See Kaising, William, assignor.)						
Kellogg Switchboard & Supply Company. (See Kellogg, Milo G., assignor.)						
Kellogg Switchboard & Supply Company. (See Knudsen, Anton M., assignor.)						
Kellogg Switchboard & Supply Company. (See Lendi, John H., assignor.)						
Kellogg Switchboard & Supply Company. (See Libby, Albion D. T., assignor.)						
Kellogg Switchboard & Supply Company. (See Manson, Ray H., assignor.)						
Kellogg Switchboard & Supply Company. (See Meyer, William, assignor.)						
Kellogg Switchboard & Supply Company. (See Miller, Kempster B., assignor.)						
Kellogg Switchboard & Supply Company. (See Roberts, John G., assignor.)						
Kellogg Switchboard & Supply Company. (See Whipple, Allen D., assignor.)						
Kellond, Robert A., and J. C. Morrison, Chicago, Ill. Machine for manufacturing peat into blocks for fuel	755,674	Mar. 29	4778	1068 1064	109	1107
Kellum, Claude S., Indianapolis, assignor of one-half to J. A. Hayes, Kokomo, Ind. Letter-package tie	749,935	Jan. 19	2817	602	108	668
Kelsum, Margaret E., Kansas City, Mo. Machine for washing dishes or linen	767,568	Aug. 16	2905	808	111	1721
Kelly, Albert A., Sidcup, England. Apparatus for delivering measured quantities	774,326	Nov. 8	1538	328	113	362
Kelly, Charles A. (See Osborne and Kelly.)						
Kelly, Edwin W., assignor to Roentgen Manufacturing Company, Philadelphia, Pa. Interrupter	768,268	Aug. 23	4402	925	111	2071
Kelly, Francis T., Philadelphia, Pa. Rail connection for drawbridges	756,631	Apr. 5	867	189	109	1327
Kelly, George A., assignor to G. A. Kelly Plow Company, Longview, Tex. Plow	755,843	July 26	3914	835	111	891
Kelly, George B., Boston, Mass., assignor to Aeolian Company, New York, N. Y. Music-roll for mechanical musical instruments	777,956	Dec. 20	2974	653	113	2102
Kelly, George B., Boston, Mass., assignor to Aeolian Company, New York, N. Y. Music-roll for mechanical musical instruments	777,957	Dec. 20	2976	654	113	2102
Kelly, George L. (See Elliott and Kelly.)						
Kelly, Guy E. (See Craig, Kelly, and Turner.)						
Kelly, Henry M. (See Dusenbury and Kelly.)						
Kelly, Hiram H., Crandall, Tex. Apparatus for threshing and cleaning seed-cotton	775,754	Nov. 22	4505	954 955	113	1069
Kelly, James, assignor of one-third to J. Croak, Pittsburg, Pa. Trolley	751,298	Feb. 2	988	234	108	1267
Kelly, James E., New York, N. Y. Automobile	768,827	Aug. 30	5596	1175	111	2356
Kelly, James F., Galena, Ill. Rail-clamp	770,861	Sept. 27	3302	697	112	794
Kelly, James F., Galena, Ill. Rail-brace	774,845	Nov. 15	2569	532	113	607
Kelly, James J., Dublin, Ireland. Tobacco-pipe and cigar or cigarette holder	751,923	Feb. 9	2132	480	108	1533
Kelly, James W., Chicago, Ill. Water-closet	752,906	Feb. 23	4035	904	108	1989
Kelly, John, Chicago, Ill. Valve device	759,530	May 10	1992	394	110	458
Kelly, John, Paterson, N. J. Electrical toy	765,926	July 26	4055	867	111	923
Kelly, John E., Allegheny, Pa., assignor to National Truck Company, New York, N. Y. Truck	770,527	Sept. 20	2652	561	112	632
Kelly, John F. (See Maddock and Kelly.)						
Kelly, John F., Pittsburg, Pa. High-potential switch	749,200	Jan. 12	1329	285	108	326
Kelly, John F., Trenton, N. J., assignor to Thomas Maddock's Sons Company. Lavatory-basin	756,239	Apr. 5	92	20	109	1362
Kelly, John J. (See Seager and Kelly.)						
Kelly, John P., assignor to Union Water Meter Company, Worcester, Mass. Disk water-meter	749,066	Jan. 5	1041	230	108	240
Kelly, John P., Watertown, N. Y., assignor to New York Air Brake Company. Air-brake	761,683	June 7	120	21	110	1465
Kelly, Joseph N. (See Ohmer, Kelly, and Leitschuh.)						
Kelly, Joseph N. (See Ohmer, Leitschuh, and Kelly.)						
Kelly, Joshua R., Washington, D. C. Draft appliance	764,295	July 5	775	158	111	171
Kelly, Martin H., and E. E. Plough, Spokane, Wash. Convertible locomotive and stationary engine	776,915	Dec. 6	904	195	113	1623
Kelly, Michael J., Springfield, Mass. Slip-preventing device for rubber-tired wheels	773,942	Nov. 1	825	173	113	189
Kelly, Orville G., assignor of one-half to L. E. Jennings, Eaton, Ohio. Measuring vessel	767,697	Aug. 16	3151	658	111	1776
Kelly, Patrick E., and J. W. Riordan, El Paso, Tex. Guard-rail clamp	758,536	Apr. 26	4645	1000	109	2397
Kelly, Philip C., assignor to Sandycroft Foundry Company, Limited, Sandycroft, England. Tappet for the shafts of ore stamp-mills, &c	762,907	Feb. 23	4037	904	108	1990
Kelly, Walter F. (See Smith, William H., assignor.)						
Kelly, William H., Brownsburg, Va. Carriage-top	763,985	July 5	111	18	111	32
Kelly, William J., New York, N. Y. Puzzle	767,645	Aug. 16	3064	649	111	1756
Kelly, William M., and G. E. Truxell, Greensburg, Pa. Central energy system	767,284	Aug. 9	2346	491	111	1578
Kelly, William W., Lorain, Ohio. Triple-cylinder engine	751,924	Feb. 9	2133	480	108	1533
Kelsey, Benjamin F., assignor of one-half to A. O. Hoyt, Minneapolis, Minn. Cylinder-lubricator	772,240	Oct. 11	2083	455	112	1423
Kelsey, Cadwallader W., Philadelphia, Pa. Detachable flange for rubber tires	764,132	July 5	437	85	111	95
Kelsey, Henry, Wadhurst, England. Appliance for delivering fluids in drops	762,316	June 14	1358	292	110	1755
Kelsey, Henry O., assignor of two-thirds to W. S. and S. E. Hatch, West Salamanca, N. Y. Pipe-coupling	762,317	June 14	1359	292	110	1755

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Kelsey, Thomas W., Logansport, Ind. Cabinet for specialists	776,519	Dec. 6	85	20, 21	113	1448
Kelsey, William H., Cambridge, Mass. Electric plug or socket extension	762,535	June 14	1819	391 392	110	1853
Kelsey, Willis S., Meriden, Conn., assignor of one-half to H. L. Morehouse. Fastening means for parquet floors, paneling, or the like	748,746	Jan. 5	359	80	108	80
Kelso, Joseph. (See Wright and Kelso.)						
Kelso, William, Pittsburg, Pa. Car-coupling	751,737	Feb. 9	1766	401 402	108	1451
Kelso, William, Pittsburg, Pa. Car-coupling. (Reissue)	12,244	July 19	3525	742	111	796
Kelso, William, Pittsburg, Pa. Car-coupling. (See Love, Robert, assignor.)	766,359	Aug. 2	438	93	111	1136
Kemp & Burpee Manufacturing Company. (See Love, Robert, assignor.)						
Kemp, Harry, Newton, Mass. Waste-end conveyor	749,300	Jan. 12	1358	327	108	369
Kemp, James, Kankakee, Ill. Plunger for baling-presses	760,212	May 17	3268	685	110	769
Kemp, James, Kankakee, Ill. Baling-press	769,826	Sept. 13	1818	281	112	317
Kemp, Joseph S., Newark Valley, N. Y. Fertilizer-distributor	758,537	Apr. 26	4646	1000	109	2388
Kemp, Joseph S., Newark Valley, N. Y. Gearing for fertilizer-distributors	761,234	May 31	5308	1127	110	1249
Kemp, Oliver T., Boliver, W. Va. Loading and unloading attachment for railway-cars. (See Kemper, Robert E. and A.)	769,315	Sept. 6	361	82, 83	112	78
Kemper, Ethelbert T. (See Kemper, William H., assignor.)						
Kemper, George L., assignor of one-half to C. A. Roff, Chicago, Ill. Stamp or label affixing device	772,660	Oct. 18	2908	639 768 769 770	112	1624
Kemper, Robert E. and A., Bensselaer, N. Y. Platen printing-press	768,405	June 28	3566	771	110	2277
Kemper, William H., Danville, Ky., assignor of one-fourth to E. T. Kemper, Memphis, Tenn. Gear and brake mechanism for automobiles	761,889	June 7	560	111 112	110	1565
Kemper, William S., McKeesport, Pa. Pipe-union	769,654	Sept. 6	976	212	112	222
Kempf, Frederick E., Boston, Mass. Multicolor-printing press	771,644	Oct. 4	838	188	112	1139
Kempin, Stanislaus J., Duluth, Minn. Garment	765,181	July 19	2380	539	111	594
Kempner, Joseph, Berlin, Germany. Making translucent opal glass	777,734	Dec. 30	3490	113	2046	
Kempshall, Eleazer, Boston, Mass. Playing-ball	761,590	May 31	5961	1275	110	1395
Kempshall, Eleazer, Boston, Mass., assignor to J. S. Dunston, Hancock, Mich. Manufacture of golf-balls	764,598	July 12	1441	294	111	331
Kempshall, Eleazer, Boston, Mass., assignor to Manhattan Manufacturing Company, Portland, Me. Compound sheet material for manufacturing golf-balls or other articles.	768,129	Aug. 23	4097	862	111	2004
Kempshall, Eleazer, Boston, Mass., assignor to United Fast Color Eyelet Company, Portland, Me. Eyelet.	769,388	Sept. 6	498	110	112	113
Kempt, Donald, Buenos Aires, Argentina. Conductor and collector for electric railways or tramways	762,318	June 14	1360	292 293	110	1755
Kempt, Donald, Buenos Aires, Argentina. Contact-box and conductor for electric railways or tramways	762,319	June 14	1362	293	110	1756
Kempton, Benjamin S., Paton, assignor of part to L. A. Rothe, C. F. Linnan, F. B. Keeler, Pocahontas county, and D. M. Kelleher, Polk county, Iowa. Machine for loading bound grain on wagons	755,138	Mar. 22	3783	833	109	879
Kenage, W. S. (See Weaver, Alexander, assignor.)						
Kendall, Cosmo, Upper Norwood, England. Separation of mineral substances by means of the selective action of oil	771,075	Sept. 27	3730	786	112	888
Kendall, George E., and W. L. Cowdin, Delphi, Ind. Magazine-stove	749,067	Jan. 5	1044	220	108	240
Kendall, George H., New York, N. Y. Heater for printing-plates	774,081	Nov. 1	1086	232	113	245
Kendall, James A., Streatham, London, assignor of one-half to J. W. Swan, Holland Park, London, England. Apparatus for manufacturing cyanids	760,997	May 24	4804	1021 1022	110	1122
Kendall, Sarah F. (See Kendall, William H., assignor.)						
Kendall, Wesley C., Jersey City, N. J. Water-tube boiler	762,320	June 14	1363	294	110	1756
Kendall, William H. (See Harris and Kendall.)						
Kendall, William H., assignor to S. F. Kendall, Brooklyn, N. Y. Attachment for hat-pressing machines	775,825	Nov. 22	4638	989	113	1097
Kendall, William M., Manchester, N. H. Napkin-ring	750,197	Jan. 19	3291	711	108	763
Kendrick, Arthur B., assignor to J. R. Kendrick, Philadelphia, Pa. Abdominal belt	750,983	Feb. 2	375	90	108	1140
Kendrick, Dyer T., Boston, Mass., assignor to Livermore & Knight Company. Embossed paper	770,293	Sept. 20	2219	463	112	536
Kendrick, F. B., et al. (See Aune, Ole O., assignor.)						
Kendrick, George R., Nottingham, assignor of one-half to A. McDonald and Montpelier Cup and Metal Works, Montpelier, Ind. Engine	764,195	July 5	582	115 116	111	129
Kendrick, Henry M., assignor to Lamb & Tilden, Washington, D. C. Hand-stamp	774,675	Nov. 8	2174	476	113	498
Kendrick, Hiland H., Fulton, N. Y. Water-closet	771,254	Oct. 4	69	15	112	977
Kendrick, James R. (See Kendrick, Arthur B., assignor.)						
Kenfield, Elmer E., Washburn, Wis. Grain-car door	750,111	Jan. 19	3144	676	108	732
Kenfield, William S., assignor of one-half to W. H. Barnes, Tucson, Ariz. Ter. Oil mixer and burner	756,116	Mar. 29	5665	1250	109	1304
Kensell, John E., assignor of one-half to C. C. Lowry, Detroit, Mich. Machine for mixing concrete, &c.	754,927	Mar. 15	3401	743	109	777
Kenly, Edward M., Austen, assignor of one-half to L. G. Cockrell, West End, W. Va. Metallic railway-tie	770,284	Sept. 13	2068	435	112	480
Kenia, Benjamin F., assignor of one-fourth to W. Ibbeken, Philadelphia, Pa. Vehicle-loom-shuttle	767,348	Aug. 9	2459	515	111	1603
Kennard, George W., Staunton, Va. Lock for screw or bolt heads	753,403	Mar. 1	337	76	109	75
Kennedy, Andrew A., Camden, N. J. Driving mechanism for bicycles	764,599	July 12	1444	294	111	332
Kennedy, Charles W., deceased, (S. H. Kennedy, administratrix,) Rutledge, and F. A. Pocock, Lansdowne, said Pocock and administratrix assignors of three-eighths to E. W. Patton, Philadelphia, Pa. Controlling electric motors	770,073	Sept. 13	1763	372 373	112	415
Kennedy, David, Erie, Pa. Grinding-machine	750,372	Jan. 26	3626	786 787	108	858
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	764,133	July 5	438	85, 86	111	95
Kennedy, Donald A., Ashland, Wis. Sawmill machinery	776,366	Dec. 27	3791	827 828	113	2293
Kennedy, Eugene. (See Allen, Abram C., assignor.)						
Kennedy, George J., Baltimore, Md. Air-compressor piston-valve	768,465	Aug. 23	4764	908	111	2157
Kennedy, George W., Thornton, Iowa. Cream or milk aerator	765,778	July 26	3799	809	111	866
Kennedy, Henry A., Warwick, assignor of one-half to J. J. Bellows, Providence, R. I. Loom-shuttle	774,944	Nov. 15	2767	593	113	653
Kennedy, Henry H., Goodyears Bar, Cal. Moth-exterminator	766,700	Dec. 2	1154	240	111	1297
Kennedy, Henry R. (See Greenleaf and Kennedy.)						
Kennedy, James A., Kansas City, Kans. Dust-proof journal-box	775,566	Nov. 22	4137	871	113	989

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Kennedy, Jean A., Detroit, Mich. Shirt-waist	756,240	Apr. 5	93	20	109	1362
Kennedy, John H., Minneapolis, Minn. Grain-door for cars	778,250	Dec. 27	3543	777	113	2240
Kennedy, Samuel R., Philadelphia, Pa. Making milk-sugar	750,984	Feb. 2	376	91	108	1141
Kennedy, John W., Cecil, Ga. Furniture-caster	760,873	May 24	4564	973	110	1071
Kennedy, Julian, Pittsburg, Pa. Hot-blast valve	761,499	May 31	5801	1239 1240	110	1360
Kennedy, Julian, Pittsburg, Pa. Valve mechanism	767,285	Aug. 9	2349	491 492	111	1578
Kennedy, Julian, Pittsburg, Pa. Furnace-valve	775,142	Nov. 15	3170	673	113	747
Kennedy, Michael A., assignor to Treadair Rubber Company, Boston, Mass. Vehicle-tire	757,199	Apr. 12	1970	430	109	1780
Kennedy, Robert. (See Lawrence and Kennedy.)						
Kennedy, Samuel R., Philadelphia, Pa. Condensing milk	770,909	Sept. 27	3396	716	112	814
Kennedy, Samuel R., Philadelphia, Pa. Making milk-sugar	772,517	Oct. 18	2648		112	1568
Kennedy, Samuel R. Shippensburg, assignor to American Dairy Products and Manufacturing Company, Philadelphia, Pa. Centrifugal machine	776,745	Dec. 6	563	123	113	1551
Kennedy, Samuel V., and C. S. Sharp, assignors to D. M. Osborne and Company, Auburn, N. Y. Disk harrow	760,742	May 24	4315	916	110	1017
Kennedy, Samuel V., and C. S. Sharp, assignors to D. M. Osborne and Company, Auburn, N. Y. Grain-divider for harvesters	760,743	May 24	4317	916	110	1017
Kennedy, Samuel V., and C. S. Sharp, assignors to D. M. Osborne and Company, Auburn, N. Y. Grain-divider for harvesters	760,744	May 24	4319	916	110	1018
Kennedy, Samuel V., and C. S. Sharp, assignors to D. M. Osborne and Company, Auburn, N. Y. Device for fastening teeth to harrows or cultivators	767,153	Aug. 9	2104	439	111	1527
Kennedy, Sarah H., administratrix. (See Kennedy and Pocock.)						
Kennedy, Sheshbazzar, Riverview, Pa. Switch-operating mechanism	772,715	Oct. 18	3034	665	112	1632
Kennedy, Theodore W., Hackensack, N. J. Cork-puller	777,380	Dec. 13	1801	399	113	1841
Kennedy, Walter, Allegheny, Pa. Charging apparatus for blast-furnaces	768,858	Aug. 30	5597	1176	111	2356
Kennedy, Walter J., Grand Rapids, Mich. Steam-cooker	751,493	Feb. 2	1204	275	108	1313
Kennedy, William A., Washington, D. C. Fireproof construction	776,916	Dec. 6	907	195	113	1627
Kennedy, William J., Rockisland, Tex. Box or basket making machine	753,140	Feb. 23	4500	1002	108	2093
Kenner, George A., Herrin, Ill. Coal-separator	750,657	Jan. 26	4150	900	108	966
Kennett, John R., Troy, N. Y. Cylinder paper-machine	777,345	Dec. 13	1734	384	113	1826
Kennedy, Daniel B., Huntington, W. Va. Dish-washer and churn	771,158	Sept. 27	3894	821	112	924
Kenney, Owen E., Toledo, Ohio, assignor to Yost-Miller Company. Socket for incandescent lamps	750,198	Jan. 19	3292	711	108	763
Kennicott, Cass L., Chicago, Ill., assignor to Kennicott Water Softener Company. Water-purifying apparatus	767,698	Aug. 16	3152	659	111	1776
Kennicott, Cass L., assignor to Kennicott Water-Softener Company, Chicago, Ill. Water-purifying apparatus	773,943	Nov. 1	827	173	113	190
Kennicott Water Softener Company. (See Kennicott, Cass L., assignor.)						
Kennicott Water Softener Company. (See Wiles, Robert H., assignor.)						
Kennon, Charles W., Tampa, Fla. Protected pile	758,841	May 3	519	106	110	124
Kenny, Hugh E., Detroit, Mich. Metal weather-strip	765,844	July 26	3916	835	111	891
Kenny, Hugh E., Detroit, Mich. Metal weather-strip	767,286	Aug. 9	2350	492	111	1579
Kenny, Hugh E., assignor to Chamberlin Metal Weather Strip Company, Detroit, Mich. Metal weather-strip	765,845	July 26	3917	836	111	892
Kenny, John M., assignor of two-thirds to P. Baxter and A. G. Hunter, Nashville, Tenn. Shipping crate	766,829	Aug. 9	1465	307	111	1387
Kenny, John P., New York, N. Y. Martingale	773,015	Oct. 25	3622	782	112	1798
Kenny, John V. B. (See MacGregor and Kenny.)						
Kenny, Michael J. (See Lockett, Kenny, Stimebach, and Udell.)						
Kent, Albert P., et al. (See Smith, Adolphus G., assignor.)						
Kent, Artemas A., assignor of one-half to H. E. Milner, Denver, Colo. Fluid-pressure brake	778,044	Dec. 20	3147	692 693	113	2137
Kent, Arthur A., Philadelphia, Pa. Electric measuring instrument	764,814	July 12	1884	386	111	428
Kent, Arthur G., and G. M. Wegman, Rochester, N. Y. Operating device for gongs, &c	766,261	Aug. 2	256	50	111	1097
Kent, George S., Lyndon, Vt. Furnace	771,159	Sept. 27	3895	822	112	924
Kent, Henry B., New Brunswick, N. J. Powder-box	755,299	Mar. 22	4074	902	109	399
Kent, Henry B., New Brunswick, N. J. Top or closure for tooth-powder bottles or cans or other containers	763,986	July 5	111	18, 19	111	32
Kent, Hiram T., Appleton, Wis. Printing press	749,487	Jan. 12	1944	404	108	456
Kent, James W. (See Small, Frank E., assignor.)						
Kent, Vine M., Pine Valley, N. Y. Meat-press	775,181	Nov. 15	3250	695	113	765
Kentoff, William F., Chicago, Ill. Key-fastener	760,071	May 17	2978	623	110	706
Kenworthy, John W., assignor of one-half to A. W. Plummer, Maxwell, Nebr. Hay-stacker	757,624	Apr. 19	2853	621 622	109	1984
Kenyon, A. T., et al. (See Kenmill, William C., assignor.)						
Kenyon, Clarence, Jr., Brooklyn, N. Y. Garment	767,064	Aug. 9	1914	401	111	1487
Kenyon, Edmund F. B., Brighton, England. Peeler for potatoes or like articles	765,081	July 12	2402	500	111	537
Kenyon, Harry, Maplepark, Ill. Grinding machine	777,107	Dec. 13	1287	1284	113	1729
Keohane, Denis, New York, N. Y. Closet connection	760,874	May 24	4565	973	110	1071
Keough Brothers & Company. (See Bradshaw, Walter H., assignor.)						
Kephart, James. (See Priestley, Kephart, and Merchant.)						
Kephart, John W., Herndon, Va. Shingle-saving machine	771,734	Oct. 4	995	223	112	1172
Kepler, Irwin F., assignor to B. F. Goodrich Company, Akron, Ohio. Catheter	761,235	May 31	5310	1127	110	1250
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Making rubber bag-bodies	761,890	June 7	563	112	110	1565
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Making hollow rubber articles	762,063	June 7	868	178	110	1625
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Making hollow rubber bulbs or other articles having necks or projections	762,064	June 7	869	179	110	1625
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Hollow rubber bulb, ball, or analogous article	768,943	Aug. 30	5768	1212	111	2397
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Hollow rubber article having necks or projections	768,944	Aug. 30	5770	1212	111	2397
Kepler, Irwin F., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Rubber-bag body	768,945	Aug. 30	5772	1212	111	2397
Keplinger, Claude J., assignor to Canton Hard Rubber Company, Canton, Ohio. Brake-handle	757,468	Apr. 19	2518	552	109	1909
Keplinger, George B., Chicago, Ill. Calendar	758,758	May 3	361	72	110	88
Keplinger, George B., Chicago, Ill. Press	776,597	Dec. 6	259	57	113	1487

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Kepp, Ferdinand, Brooklyn, N. Y. Metallurgical furnace	753,712	Mar. 1	956	217	109	206
Kepp, Ferdinand, Brooklyn, N. Y. Gear-molding machine	754,777	Mar. 15	3118	680	109	717
Keppler, Fred J., Stonyridge, Ohio. Windmill	773,792	Nov. 1	417	92	113	99
Keppler, George, New York, N. Y. Die	775,826	Nov. 22	4699	983	113	1097
Kerber, Louis H. W., Chicago, Ill., assignor to Adams and Westlake Company, of Illinois. Electric-lamp support for convertible signal-lanterns	756,117	Mar. 29	5666	1250	109	1304
Kercher, Arthur J., assignor of one-half to A. S. Thomas and G. N. Kercher, Minneapolis, Minn. Burglar-alarm	739,615	May 10	2094	430	110	491
Kercher, C. N., et al. (See Kercher, Arthur J., assignor.)	739,567	Feb. 16	3362	750	108	1824
Kercher, Wheeler W., assignor to Hipolito Screen and Sash Company, Los Angeles, Cal. Adjustable screen and sash for windows	767,896	Aug. 16	3530	747	111	1858
Kermath, James, Detroit, Mich., assignor to Eclipse Manufacturing Company. Trolley-stand	749,795	Jan. 19	2547	541	108	604
Kern, Benjamin F., and W. J. O. Johnson; said Johnson assignor to H. S. Folger, Chicago, Ill. Means for making rubber type	756,652	Apr. 5	869	180	109	1527
Kern Burner Company. (See Hutchinson, Joseph, assignor.)	751,400	Feb. 2	1155	263	108	1303
Kern, Fritz, Paterson, assignor of one-half to E. Aeberli, Haledon, N. J. Non-refillable bottle	771,477	Oct. 4	502	113	112	1065
Kernay, Leon A. de, New York, N. Y., assignor to Boismaure Oscillating Jewelry Company, of New Jersey. Display device	756,627	Aug. 2	997	209	111	1263
Kerngood, Herman, Baltimore, Md. Stud messenger	760,875	May 24	4567	973	110	1071
Kerngood, Herman, Baltimore, Md., assignor to Alma Button Company of Baltimore City. Machine for attaching buttons	755,884	Mar. 29	5219	1154	109	1208
Kerngood, Herman, Baltimore, Md., assignor to Alma Button Company of Baltimore City. Button socket member	775,587	Dec. 27	4219	919	113	2385
Kerngood, Herman, assignor to Alma Button Company, Baltimore, Md. Making garment-hooks	772,619	Oct. 13	2635	622	112	1609
Kernohan, Robert B., Pittsburg, Pa. Signaling apparatus	752,343	Feb. 23	3912	877	108	1261
Kerns, John, West New York, N. J. Animal-trap	778,675	Dec. 27	4378	956	113	2421
Kerns, William W., and J. W. Ackley, Bloomington, Va. Paper-hanger or bill-poster	763,768	June 28	4425	925	110	2422
Kerock, Louis H., Roxton Pond, Canada. Oil-can	767,287	Aug. 9	2351	497	111	1579
Kerr, Albert, Annapolis, Md. Combined shade-roller and curtain-pole bracket	758,759	May 3	362	73	110	88
Kerr, Andrew, New Brighton, England. Marine-engine governor	773,079	Oct. 25	3828	817	112	1947
Kerr, Benjamin F. (See Talcott and Kerr.)	752,781	Feb. 23	3783	845	108	1933
Kerr, Charles, Jackson, Miss. Gabion	756,241	Apr. 5	94	20, 21	109	1362
Kerr, Charles V., Rochester, N. Y. Compound steam-turbine	755,391	Nov. 15	3522	742	113	833
Kerr, Colwell D. (See Kerr, John W. and C. D.)	755,139	Mar. 22	3786	894	109	880
Kerr, George W., assignor to Knox Automobile Company, Springfield, Mass. Lock for seat-covers of motor-vehicles	773,571	Nov. 1	76	15	113	22
Kerr, Isaac A., Muscatine, Iowa. Machine for trimming, chamfering, and crozing sheets of wood	758,452	Apr. 26	4477	962	109	2360
Kerr, John F., et al. (See Brown and Kerr.)	753,141	Feb. 23	4503	1003	108	2094
Kerr, John W. and C. D., Plateau City, Colo. Harrow	766,628	Aug. 2	998	-----	111	1263
Kerr, Oscar F., Point, Tex. Beehive	775,978	Nov. 29	4968	-----	113	1187
Kerr, Robert C. (See Brown and Kerr.)	765,738	July 26	3693	758	111	815
Kerr, Valentine B., assignor of one-half to West Branch Novelty Company, Milton, Pa. Lock	776,069	Nov. 29	5138	1085	113	1227
Kerr, Warren H., Olean, N. Y. Adjustable chandelier	765,490	July 19	3204	669	111	729
Kerr, William B., Medford, Mass. Separating fluid portions from solid portions of fatty substances	753,142	Feb. 23	4504	1003	108	2094
Kerschbaum, Max, assignor to Haarmann & Reimer, Chemische Fabrik zu Holzmin- den, Gesellschaft mit Beschränkter Haftung, Holzmin- den, Germany. Making ses- titerpene alcohol	755,140	Mar. 22	3787	894	109	880
Kerschner, Bernhard, Brooklyn, N. Y. Signature-gathering machine	774,522	Nov. 8	1890	410	113	438
Kershaw, Joe, Bradford, England. Apparatus for dyeing	762,172	June 7	1058	223	110	1665
Kershaw, Thomas, assignor of one-half to R. Eckersley, Philadelphia, Pa. Feeding mechanism for carding-machines	776,331	Nov. 29	5624	1192	113	1336
Kershgens, Joseph, Charleroi, Pa. Machine for discharging coke from ovens	755,751	Apr. 19	3092	673	109	2035
Kershner, Bertram M., Pittsburg, Pa. Electric railway-signal	757,751	Apr. 19	3092	673	109	2035
Kerst, John M., and A. W. Cresser, Philadelphia, Pa. Coin or change purse	765,705	Nov. 22	4415	932	113	1049
Kersten, Charles, Chicago, Ill. Combined extension-tie and marking-tag	775,012	July 12	3263	408	111	510
Kerstetter, Samuel P. (See Emerson and Kerstetter.)	766,360	Aug. 2	439	98	111	1137
Kerwick, Edward, and H. Ruppel, Topeka, Kans. Lubricator-guard	771,554	Oct. 4	670	150	112	1101
Kespohl, William M., et al. (See McKnight, John A., assignor.)	772,807	Oct. 18	3307	698	112	1688
Kessinger, Bertha B., et al. (See Whitenack, Henry T., assignor.)	775,827	Nov. 22	4640	983	113	1057
Kessler, Charles, Troy, Ohio. Mouthpiece for pipes or cigar-holders	773,208	Oct. 25	4189	885	113	1321
Kessler, Richard Y., Pawnee, Ill. Fertilizer and grain distributor	765,598	Dec. 6	261	57, 58	113	1487
Kessler, Richard Y., Pawnee, Ill. Support for plants	772,889	Oct. 18	3367	732	112	1725
Kessler, Warren S., Albion, Mich. Automobile lifting-truck	777,677	Dec. 10	2386	525	113	1881
Kessler, William H., Passaic, N. J. Reversible pulley mechanism	759,287	May 10	1158	290	110	353
Kessler, William H., Passaic, N. J. Mechanism for transmitting and controlling power and motion	757,751	Apr. 19	3092	673	109	2035
Kester, Maude C., Chinook, Mont. Nether garment	765,705	Nov. 22	4415	932	113	1049
Kestner, George L., Pittsburg, Pa. Bottle-protector	775,012	July 12	3263	408	111	510
Kestner, Paul, Lille, France. Steam-generator	766,360	Aug. 2	439	98	111	1137
Ketcham, Benjamin P., Carthage, N. Y. Fire-alarm system	771,554	Oct. 4	670	150	112	1101
Ketchen, William L., and H. F. Adams, Montreal, Canada. Pneumatic hammer	772,807	Oct. 18	3307	698	112	1688
Ketchum, William R., Portage, Wis. Fish-hook	773,208	Oct. 25	4189	885	113	1321
Ketelsen, Andrew J., Seattle, Wash. Steam cooker and presser	765,598	Dec. 6	261	57, 58	113	1487
Ketelsen, Kettel P., Wangen, Germany. Machine for raking hay	772,889	Oct. 18	3367	732	112	1725
Ketelsen, Even E., Albany, Wis. Wrench	777,677	Dec. 10	2386	525	113	1881
Ketterer, Herman, Corapolis, Pa. Horse-fan	759,287	May 10	1158	290	110	353
Kettering, Preston A., Cadiz, Ohio. Automatic gas danger-signal	757,200	Apr. 12	1972	430	109	1781
Kettle, Reuben A., Kenton, Ohio. Releasing-snap	775,705	Nov. 22	4415	932	113	1049
Kettle, Stephen, assignor of two-thirds to S. E. Kettle, Chicago, and H. W. Scott, North Chicago, Ill. Atomizer	773,016	Oct. 25	3623	783	112	1795
Kettle, Stephen E., et al. (See Kettle, Stephen, assignor.)	773,016	Oct. 25	3623	783	112	1795
Ketts, Daniel B., Hardin, Mo. Car-replacer	773,016	Oct. 25	3623	783	112	1795
Keuffel & Esser Company. (See Keuffel, Willie L. E., assignor.)	773,016	Oct. 25	3623	783	112	1795
Keuffel, Willie L. E., assignor to Keuffel & Esser Company, Hoboken, N. J. Marker for surveyors' tapes	773,016	Oct. 25	3623	783	112	1795

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Keuffel, Willie L. E., Hoboken, N. J., assignor to Keuffel & Esser Company. Hanger or suspension-frame	773,017	Oct. 25	3624	783	112	1798
Keyes, William J., assignor of one-half to F. E. Beck, Denver, Colo. Brake slack-adjuster.	749,967	Jan. 19	2869	613 614	108	674
Kewanee Pneumatic Water Supply Company. (See Caverno, Xenophon, assignor.)						
Key, William C., assignor of one-half to H. N. Frost, Mineralwells, Tex. Baling-press.	759,182	May 3	1172	238 239	110	266
Keyes, Atwood B., Ayer, Mass. Board for building purposes	757,812	Apr. 19	3210	697	109	2062
Keyes, Erasmus L., Hopedale, Ill. Sweeping-machine	755,590	Mar. 22	4614	1025	109	1056
Keyes, Frank E., New York, N. Y., assignor of one-half to J. D. Macfarlane, Troyhills, N. J. Bolter-feed	760,072	May 17	2979	623	110	706
Keyes, James A., New York, N. Y. Punching-machine	762,321	June 14	1368	295	110	1737
Keyes, James A., New York, N. Y., assignor to Wright's Automatic Tobacco Packing Machine Company, Lynchburg, Va. Paper-feeder	765,816	July 19	2829	589 590	111	649
Keyes, Martin L., Cambridge, Mass. Machine for molding articles from pulp	759,616	May 10	2098	431	110	492
Keyling, Ludwig, Berlin, Germany. Cooling device for blast-furnaces	770,910	Sept. 27	3396	716	112	814
Keys, Nathan A. (See Place and Keys.)						
Keyser, Charles C., Newport News, Va. Clutch	776,404	Nov. 29	5766	1221	113	1370
Keyser, William W. (See Orr, Francis L., assignor.)						
Keystone Electric and Manufacturing Co. (See Safford, Lafayette E., assignor.)						
Keystone Electric & Manufacturing Co. (See Schweitzer, Albert, assignor.)						
Keystone Knitting Machine Company. (See Egly, John C., assignor.)						
Keystone Knitting Machine Manufacturing Company. (See Egly, John C., assignor.)						
Keystone Seal and Press Company. (See Schofield, Albert B., assignor.)						
Keystone State Telephone and Telegraph Company. (See Kitee, Isidor, assignor.)						
Keystone Telephone Company. (See Kyle, William J., assignor.)						
Keystone Type Foundry. (See Brooks, Richards T., assignor.)						
Keyt, John E., San Francisco, Cal. Water-seal trap	766,764	Aug. 2	1277	271	111	1324
Keyworth, William C., assignor to Benjamin Eastwood Company, Paterson, N. J. Warp- ing and beaming machine	753,079	Feb. 23	4400	978 979	108	2072
Kheel, John, Pond du Lac, Wis. Blow	754,572	Mar. 15	2729	394	109	630
Khotinsky, Achilles de, assignor of one-half to H. J. Schulte, Chicago, Ill. Tooth-pow- der canister	774,185	Nov. 8	1276	270	113	305
Kibbe, William A., Kansas City, Mo. Railway signal system	770,757	Sept. 27	3079	654	112	744
Kibler, Daniel L., Acme, Tex. Calcining apparatus	761,684	June 7	125	21	110	1466
Kidd, Eugene Z. (See Heffner and Kidd.)						
Kidd, George W. (See Young, William B., assignor.)						
Kidd, Gideon P., Roann, Ind. Automatic gravity-gate	772,417	Oct. 18	2441	535	112	1524
Kidd, Jessie, Pittsburg, Pa. Smoothing-iron	761,500	May 31	5804	1240	110	1361
Kidd, Joseph, Duluth, Minn. Device for mooring and warping vessels	748,618	Jan. 5	113	29	108	26
Kidder, Frank E., assignor to J. A. Ferguson, Denver, Colo. Building block and wall	749,736	Jan. 19	2518	542	108	604
Kidder, Frank E., assignor to J. A. Ferguson, Denver, Colo. Wall for buildings	769,653	Sept. 6	977	212	112	322
Kidder, Frank E., assignor to J. A. Ferguson, Denver, Colo. Wall for buildings	769,656	Sept. 6	978	212	112	223
Kidder, Frank E., assignor to J. A. Ferguson, Denver, Colo. Wall construction	773,647	Nov. 1	210	46	113	51
Kidder, Frank E., assignor to K. Ferguson, Denver, Colo. Wall construction	767,413	Aug. 16	2590	545	111	1649
Kidder, Frank E., assignor to K. Ferguson, Denver, Colo. Wall construction	767,414	Aug. 16	2591	545	111	1650
Kidder, William E., Kalamazoo, Mich. Coasting sled	767,821	Aug. 16	3395	546	111	1827
Kidder, William H., Colchester, Vt. Box-cover supporter and holder	769,481	Sept. 6	683	146	112	156
Kidder, William H., New York, N. Y. Window-washer	772,716	Oct. 18	3085	665	112	1632
Kidder, William N., Providence, R. I. Artificial tooth-crown	756,506	Apr. 5	619	134	109	1472
Kiddie, Adam, assignor of one-half to G. W. Kimball, Tilden, Ill. Elevator	759,720	May 10	2285	472 474	110	534
Kidston-Hunter, Archibald G., Dunedin, New Zealand. Grading, classifying, and dis- tributing auriferous wash in gold-saving	751,925	Feb. 9	2134	481 482	108	1538
Kidwell, Harry C., Washington, D. C., assignor to Pullman Automatic Ventilator Com- pany, York, Pa. Window-ventilator	757,201	Apr. 12	1974	430	109	1781
Kidwell, Jeremiah H., Burning Springs, W. Va. Type-writer	762,065	June 7	872	179	110	1626
Kiefer, Robert A. (See Greene, Alfred, assignor.)						
Kieffer, Joseph L., Montreal, Canada. Stitch-forming mechanism for shoe-sewing ma- chines	752,398	Feb. 16	3042	677	108	1753
Kiernan, H. Francis. (See Rickard, Fred A., assignor.)						
Kiernan, Mary A., Lynn, Mass. Fire-escape	775,604	Nov. 22	4211	887	113	1006
Kierolf, Salem E., Jackson, Tenn. Box-cover	759,381	May 10	1646	334	110	393
Kierkowski-Steuart, Charles F. de, London, England. Reversible turbine	758,595	Apr. 26	4763	1025	109	2424
Kiesel, William F., Jr., Altoona, Pa. Door-operating gear for coal or coke cars. (Re- issue)	12,279	Oct. 25	4384	1030 1031	112	2081
Kiesel, William F., Jr., Altoona, Pa. Frame for railway-cars	778,676	Dec. 27	4979	957	113	2421
Kiesetter, Orin L., St. Hilary, Sequoyia, N. J. Guide for sewing-machines	754,320	Mar. 8	2159	473	109	481
Kieissig, Bernhard R., assignor to American Music Company, Chicago, Ill. Musical in- strument	752,782	Feb. 23	3784	845 846	108	1984
Kieissig, Charles, San Diego, Cal. Combination rifle-sight	766,447	Aug. 2	598	127	111	1171
Kifer, Ira W. and G. F. Miller, Elberfeld, Ind. Railway construction	777,422	Dec. 13	1873	413	113	1857
Kiffe, Hermann H., New York, N. Y. Fishing-reel	756,653	Apr. 5	872	190	109	1528
Kilberg, Albert M., Scranton, Pa. Watchcase	778,251	Dec. 27	3544	777	113	2241
Kilbourn Knitting Machine Company. (See Gilbert, George H., assignor.)						
Kilbourn, Washington H., Greenfield, Mass. Third-rail system for electric railways	764,244	July 5	677	138	111	151
Kilbourn, Washington H., Greenfield, assignor to Stanley Electric Manufacturing Com- pany, Pittsfield, Mass. Trolley-stand	749,301	Jan. 12	1537	327	108	969
Kilbourn, Washington H., assignor of one-third to A. D. Flower, Greenfield, Mass. Track- sanding device	758,141	Apr. 26	3857	837	109	2223
Kilbridge, John J. (See Smith, Charles A., assignor.)						
Kilburn, Richard. (See Hopkinson and Kilburn.)						
Kilgallon, Luke, Far Rockaway, N. Y. Device for attaching rubber tires to vehicle- wheels	751,177	Feb. 2	734	168	108	1214
Kilgore, Charles F. (See Hungerford and Kilgore.)						
Kilgore, Charles F., Hartford, Conn. Folding boat	764,473	July 5	1153	234	111	254
Kilian, Joseph P., Milwaukee, Wis. Box-fastener	773,648	Nov. 1	212	47	113	51
Killam, Robert C., Faust, assignor to U. W. Killam, Santa Clara, N. Y. Changeable- speed gear	765,141	July 12	2804	523	111	560
Killam, Urban V. (See Killam, Robert C., assignor.)						
Kille, Chalkley J., East Moorestown, N. J. Veterinary tooth-file	771,311	Oct. 4	175	39	112	998
Killeen, Frank W., Wilmerding, Pa. Hose-coupling	757,752	Apr. 19	3005	674	109	2036
Killian, Henry J., Seymour, Mo. Loading or unloading apparatus	761,770	June 7	299	60	110	1504

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Killion, Daniel. (See Gaw, Louis R., assignor.)						
Killion, John H., Chicago, Ill. Stock for framing or other purposes.	751,518	Feb. 9	1351	308	108	1365
Killman, Thomas A., Liberty, Tenn. Weighing and computing scale.	770,394	Sept. 20	2320	464	112	536
Kilmer, Melvin D. (See Kilmer and Fossons.)						
Kilmer, Melvin D., Cleveland, Ohio. Spring construction.	752,788	Feb. 23	3787	846	108	1934
Kilmer, William A. and M. D., and M. A. Fossons, Cleveland, Ohio. Attachment for hot-air registers.	770,074	Sept. 13	1765	373	112	416
Kilmou, George M., Royal Oak, assignor of one-half to G. L. Cadwell, Baltimore, Md. Pivot-bolt for oyster-tongs.	778,413	Dec. 27	3884	846	113	2314
Kilpatrick, James A., Niles, Ohio. Trolley-wheel retainer.	754,778	Mar. 15	3125	681	109	718
Kilroy, Willie D., Uxbridge, England. Apparatus for the regulation of electrical circuits in heating devices.	751,654	Feb. 9	1605	365	108	1418
Kilzer, John H., Seward, Nebr. Cartridge.	751,519	Feb. 9	1354	309	108	1366
Kim, George M., Allegheny, Pa. Bed-couch.	754,145	Mar. 8	1833	408	109	421
Kimball, Almon A., and W. J. Connors, Scanlon, Minn. Railway-frog.	754,875	Mar. 15	3316	723	109	759
Kimball, Andrew C., Kearney, and C. Benson, Newark, N. J., said Kimball assignor to said Benson. Drill-holder.	761,501	May 31	5805	1241	110	1361
Kimball, Charles W., Penn Yan, and I. P. Kimball, Auburn, N. Y. Postage-stamp or envelop moistener.	771,735	Oct. 4	996	233	112	1172
Kimball, Earle F., assignor of one-half to C. W. Fuller, Chelsea, Mass. Pump attachment.	749,797	Jan. 19	2549	542	108	605
Kimball, Frank J. (See Richardson and Kimball.)						
Kimball, Fred M., Boston, assignor to C. N. Lovell, Melrose, and N. E. Covel, Boston, Mass. Attachment for jacket-kettles, &c.	754,279	Mar. 15	3126	681	109	718
Kimball, George C., assignor to Smyth Manufacturing Company, Hartford, Conn. Book.	771,555	Oct. 4	673	150	112	1102
Kimball, George H., Detroit, Mich. Railway-bumper.	759,113	May 3	1043	212	110	236
Kimball, George H., Detroit, Mich. Railway-tie.	762,638	June 14	2022	437	110	1896
Kimball, George H., Detroit, Mich. Flooring.	707,288	Aug. 9	2352	492	111	1579
Kimball, George H., Detroit, and J. Doyle, Grand Rapids, Mich. Railway-tie.	708,184	Aug. 23	4196	882	111	2025
Kimball, George W. (See Kiddie, Adam, assignor.)						
Kimball, George W., Newton, N. H. Burnishing-wheel.	753,497	Mar. 1	517	130	109	114
Kimball, Granville, Chicago, Ill. Steam-boiler furnace.	765,977	July 26	4153	887	111	945
Kimball, Granville, Chicago, Ill. Water-circulating device.	766,448	Aug. 2	600	137	111	1172
Kimball, Hannah A. (See Totten and Kimball.)						
Kimball, Irwin P. (See Kimball, Charles W. and I. P.)						
Kimball, Perley L., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Centrifugal separator.	751,178	Feb. 2	735	169	108	1215
Kimball, Perley L., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Centrifugal cream-separator.	761,891	June 7	565	112	110	1566
Kimball, Robert E., assignor to Tickometer Company, Cleveland, Ohio. Ticket counting and inspecting machine.	761,970	June 7	699	142	110	1592
Kimball, Robert E., assignor of two-thirds to L. H. Webb and E. L. Thurston, Cleveland, Ohio. Hulling rice.	758,064	May 3	112	24	110	29
Kimball, Robert E., assignor of two-thirds to L. H. Webb and E. L. Thurston, Cleveland, Ohio. Apparatus for hulling rice.	758,665	May 3	113	24	110	29
Kimball, William W. (See Palmer and Kimball.)						
Kimbark, Daniel A., assignor to Electric Specialty Co., Chicago, Ill. Lamp socket and plug.	753,276	Mar. 1	113	28	109	28
Kimber, Walter E., Johannesburg, Transvaal. Chuck for rock-drilling machines.	756,377	Apr. 5	381	78	109	1423
Kimberlin, Thomas A., Indianapolis, Ind. Mechanical bait-caster.	764,853	July 12	1965	406	111	446
Kimberly, Charles H., assignor to Sessions Clock Company, Bristol, Conn. Wheel for polishing woodwork.	767,699	Aug. 16	3154	659	111	1776
Kimberly, Luman C., Circleville, Ohio. Lifting-jack.	750,257	Jan. 26	3468	750	108	821
Kimble, Milton S., Massillon, Ohio. Lathe attachment.	761,502	May 31	5805	1241	110	1361
Kimbrough, Kelse M., Hardin, Mo. Lister-cultivator.	773,753	Nov. 1	420	92	112	99
Kime, Marshall M., Petersburg, Ind. Eyeglasses.	762,911	June 21	2586	561	110	2037
Kime, Warren W. S., North English, assignor of fifty-five one-hundredths to W. K. Rankin, Cedar Rapids, and R. F. Erwin, North English, Iowa. Vehicle-brake.	769,349	Sept. 6	430	96	112	95
Kimmons, Joel W., Lowell, Ark. Fruit-bleacher.	753,143	Feb. 23	4507	1005	108	2095
Kimpton, Henry K., assignor of one-half to G. B. Hawkins, Tilsonburg, Canada. Shaft-support for vehicles.	765,286	July 19	2763	577	111	634
Kimsey, James C., assignor to American Paper Bottle Company, Philadelphia, Pa. Paper milk-bottle.	764,474	July 5	1154	234	111	255
Kimsey, James C., assignor to American Paper Bottle Company, Philadelphia, Pa. Can or receptacle for articles of merchandise.	770,075	Sept. 13	1766	374	112	416
Kimsey, James C., assignor to American Paper Bottle Company, Philadelphia, Pa. Paper milk-bottle.	770,076	Sept. 13	1767	374	112	416
Kinard, Elisha F. (See Willcox, Irvin J., assignor.)						
Kincade, James W. (See Kincade, John M. and J. W.)						
Kincade, John M., Westville, and J. W. Kincade, Degraff, Ohio. Railway-track structure.	777,958	Dec. 20	3978	654	113	3103
Kincaid, John W., Covington, Ky. Mechanical stoker.	761,685	June 7	127	21, 22	110	1466
Kinch, Henry L., Salina, Kans. Lubricator.	760,876	May 24	4568	974	110	1071
Kind, Maurice, et al. (See Loewenstein, Maximilian, assignor.)						
Kindig, Benjamin W., Jr., York, Pa. Bridle and bit.	750,200	Jan. 19	3295	712	108	764
Kindig, Benjamin W., Jr., assignor of one-half to T. I. Welsh, York, Pa. Head-controller for horses.	748,747	Jan. 5	360	80	108	80
Kindig, Benjamin W., Jr., assignor of one-half to T. I. Welsh, York, Pa. Bit.	750,199	Jan. 19	3294	712	108	764
Kindl, Frederick H. (See Bekker, Rudolph G., assignor.)						
Kindl, Frederick H., Pittsburg, Pa. Railway-tie.	752,455	Feb. 16	3154	702	108	1777
Kindred, Charles F. (See Enriken and Everett, assignors.)						
Kindswater, John H., Manhattan, Kans. Combined header and stacker.	754,780	Mar. 15	3128	682	109	719
Kindswater, John H., Ellis, Kans. Hoisting mechanism for stackers.	754,781	Mar. 15	3138	683	109	720
Kindwall, Abel M., Albert City, Iowa. Rural mail-delivery case.	758,258	Apr. 26	4085	884	109	2272
Kiner, Nelson, Marseilles, Ill. Harrow-sulky.	765,846	July 26	3918	836	111	692
King, Alphonse. (See Roussel, Willis J., assignor.)						
King, Arthur, assignor to Middletown Car Works, Middletown, Pa. Dump-car.	757,753	Apr. 19	3096	674	109	2036
King, Benjamin. (See Brown, Jacob L., assignor.)						
King, Charles. (See Pratt, King, and Hammond.)						
King, Charles, Korn, Okla. Ter. Bottle.	775,040	Nov. 15	2953	630	113	698
King, Charles, Ashford, England. Reciprocating engine.	777,108	Dec. 13	1290	284	113	1729

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King, Charles B. (See King, Barnhart, and King.)						
King, Charles B., Detroit, Mich. Lubricator	768,529	Aug. 23	4891	1025	111	2183
King, Charles B., Detroit, Mich. Latch	768,530	Aug. 23	4893	1025	111	2183
King, Charles W., Little Rock, Ark. Bridle-bit	768,599	Aug. 30	5880	1233	111	2421
King, Charles D., Olympia, Wash. Automatic locomotive-alarm	751,926	Feb. 9	2135	482	108	1534
King, Charles W., deceased; E. H. King, Newton, and J. H. Caldwell, Boston, Mass., ex-ecutors. Assembling parts of shoes	774,523	Nov. 8	1891	410	113	439
King, Daniel F., Louisville, Ky. Folding bed	764,475	July 5	1155	234	111	255
King, Dean W., Jr., assignor to C. M. Shaw, Denver, Colo. Trunk-harness	765,895	July 26	3997	853	111	910
King, Edward A. (See Fowler and King.)						
King, Elias D., Prairie du Sac, assignor of one-fifth to W. C. Schwanke, Springgreen, Wis. Wood-sawing machine	777,678	Dec. 20	2387	525	113	1982
King, Emma H., et al., executors. (See King, Charles W.)						
King, Frank G., Indian Lake, N. Y. Snow-plow and road-making machine	773,754	Nov. 1	423	93	113	100
King, Frank R., et al. (See Le May, Marcus M., assignor.)						
King, Frederick J., Croydon, England. Magnetic ore-separator	765,013	July 12	2364	468	111	511
King, George I., Middletown, Pa. Underframing for railway-cars	752,685	Feb. 23	3617	805	108	1896
King, George I., Middletown, Pa. Underframing for railway-cars	753,583	Mar. 1	708	159	109	155
King, George I., Middletown, Pa. Tank-car	769,906	Sept. 13	1456	311	112	343
King, George I., Middletown, Pa. Metallic passenger-car	771,428	Oct. 4	425	96	112	1047
King, George I., Middletown, Pa. Hopper-car	772,518	Oct. 18	2650	581	112	1569
King, George I., Middletown, Pa. Car construction	774,967	Nov. 15	2799	600	113	660
King, George I., Middletown, Pa. Underframing for railway-cars	775,301	Nov. 22	3545	747	113	857
King, George I., Middletown, Pa., assignor to American Car & Foundry Company, St. Louis, Mo. Gondola car	751,299	Feb. 2	900	224	108	1267
King, George I., Middletown, Pa., assignor to American Car & Foundry Company, St. Louis, Mo. Gondola car	766,701	Aug. 2	1155	240	111	1297
King, George W., Washington, D. C. Spring draft attachment	750,112	Jan. 19	3145	676	108	733
King, George W., assignor to Marion Steam Shovel Company, Marion, Ohio. Steam-shovel	764,600	July 12	1445	295	111	383
King, George W., assignor to Marion Steam Shovel Company, Marion, Ohio. Ditching-dredge	776,848	Dec. 6	781	170	113	1598
King, George W., assignor of one-half to M. O. Vandeburg, Lebanon, Mo. Animal-trap	777,109	Dec. 13	1291	284	113	1730
King, George W., H. J. Barnhart, and C. B. King, assignors to Marion Steam Shovel Company, Marion, Ohio. Steam-shovel	760,456	May 24	3713	786	110	887
King, George W., H. J. Barnhart, and C. B. King, assignors to Marion Steam Shovel Company, Marion, Ohio. Steam-shovel	761,079	May 31	5005	1062	110	1184
King, George W., H. J. Barnhart, and C. B. King, assignors to Marion Steam Shovel Company, Marion, Ohio. Steam-shovel or the like	778,677	Dec. 27	4380	957	113	2421
King & Hamilton Company. (See Gilman, John H., assignor.)						
King, Harry. (See Jones and King.)						
King, Harry, Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Machine for discharging coke-ovens	775,182	Nov. 15	3251	695	113	766
King, Harry, Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Coke-puller	775,183	Nov. 15	3255	696	113	766
King, Harry, Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Coke-puller	775,221	Nov. 15	3355	715	113	789
King, Harry, Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Coke-puller	775,275	Nov. 15	3486	736	113	827
King, Harry L., Denver, Colo. Bumping-screen	762,239	June 7	1185	250	110	1697
King, Henry B., and H. M. Quick, Paterson, N. J. Vehicle mud-guard	749,866	Jan. 19	2969	571	108	631
King, Homer C., Elgin, Ill. Stem winding and setting mechanism	752,686	Feb. 23	3620	805	108	1897
King, Homer C., assignor of one-half to H. P. Vedder, Elgin, Ill. Rail-clearer	758,538	Apr. 26	4648	1001	109	2398
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Machine for feeding sheets	768,975	Aug. 23	4567	960	111	2107
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Slit for folding-machines	768,376	Aug. 23	4610	965	111	2124
King, Ira. (See Bedinger, King, and Bedinger.)						
King, James F., Washington, D. C. Wireless telegraphy	758,842	May 3	521	106	110	124
King, James L. O., Tokeena, S. C. Water-elevator	772,241	Oct. 11	3085	456	112	1423
King, James M., Nebraska City, Neb. Washing-machine	764,730	July 12	1714	331	111	391
King, John D. (See King, Richard C. and J. D.)						
King, John D., assignor of one-half to J. A. Shirley, Mount Sterling, Ky. Lunch-box handle and fastener	769,057	Sept. 6	979	212	112	233
King, John H., Garrity, Ala. Milk-pail	753,984	Mar. 8	1536	342	109	355
King, John H., Garrity, Ala. Non-spillable milk-pail	775,678	Dec. 27	4382	957	113	2422
King, John G., Covington, Ky., assignor of one-half to Kisinger-Ison Company, Cincinnati, Ohio. Tubular strainer	758,182	July 19	2582	540	111	594
King, John J., et al. (See Durden, Washington L., assignor.)						
King, John P., Philadelphia, Pa. Lamp	766,449	Aug. 2	602	127	111	1173
King, Joseph, Keighley, England. Machine for winding yarn or thread	759,721	May 10	2289	474	110	534
King, Joseph D., Wellsville, Mo. Spark-arrester	750,658	Jan. 26	4152	901	108	966
King, Joseph G., Port Arthur, Canada. Grain-car door	756,654	Apr. 5	873	190	109	1528
King, Lewis J., Fairplay, S. C. Combined cultivator and cotton-chopper	778,318	Dec. 27	3681	803	113	2269
King Lubricator and Brass Supply Company. (See Clark and Blynt, assignors.)						
King, Mathew L., Ames, Iowa. Gear-jig	777,639	Dec. 13	2319	509	113	1951
King, Phineas F., assignor of one-half to C. H. Tucker, Cleveland, Ohio. Top clamp for upholstery-springs	752,169	Feb. 16	2590	576	108	1651
King, Richard C. and J. D., Pittsburg, Pa. Umbrella	765,287	July 19	2764	577	111	635
King, Robert P., assignor to C. W. Bridges, Indianapolis, Ind. Cheese-cutter	777,640	Dec. 13	2321	510	113	1952
King, Roland, Newport, E. I. Pipe-rack	769,350	Sept. 6	431	97	112	95
King, Walter G., assignor to Iroquois Iron Works, Buffalo, N. Y. Surface-heater	753,531	May 10	1934	393	110	438
King, William A. (See Anderson, Lars, assignor.)						
King, William C., Weimar, Cal. Step-ladder	765,288	July 19	2766	577	111	635

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King, William S. (See Harrison, Martin E., assignor.)						
King, Willis R., New York, N. Y., assignor to Hanson & Van Winkle Company. Sand-blast apparatus	749,488	Jan. 12 1949	405	108	457	
King, Willis R., New York, N. Y., assignor to Hanson & Van Winkle Company. Electro-plating apparatus	772,102	Oct. 11 1791	398	112	1359	
Kingsbury, Forrest W. (See Helfrich and Kingsbury.)						
Kingsbury, Jesse H., Lapeer, Mich. Lifting-jack and thill-support	749,489	Jan. 12 1953	405	108	458	
Kingsbury, Miriam, assignor of one-half to A. R. McCarthy, Denver, Colo. Cover for kettles	776,917	Dec. 6 909	196	113	1637	
Kingsland, William, London, England. Electric switch	776,849	Dec. 6 782	170	113	1598	
Kingsley, Alva T., Wallingford, Conn. Hasp-lock	765,289	July 19 2766	577	111	635	
Kingsley, Alva T., Meriden, Conn. Hasp-lock	766,148	July 26 4503	963	111	1019	
Kingsley, Albert F., Washington, D. C. Locomotive or other boiler furnace	748,748	Jan. 5 361	81	108	81	
Kingsley, Burton E., et al. (See Copeland, James C., assignor.)						
Kingsley, George E. (See Linn, John A., assignor.)						
Kingsley, John H., Rochester, Mich. Feed-water heater and purifier	769,000	Aug. 30 5881	1234	111	2432	
Kingston, George, Kokomo, Ind. Carbureter for gasoline-engines	771,985	Oct. 11 1541	346	112	1801	
Kingston, James L., Roxbury, Mass. Reversible rug-adjuster	751,738	Feb. 9 1708	402	108	1452	
Kingzett, Charles T., Chislehurst, England. Manufacture of golf-balls	727,679	Dec. 20 2390	113	1928		
Kimman, Robert L., Williamstown, Ky. Book-holder	757,202	Apr. 12 1976	480	109	1781	
Kindard, Will M., Dayton, Ohio. Machine for manufacturing vessels of paper or other fibrous material	751,300	Feb. 2 993	225	108	1268	
Kinnear, Blanch, Clinton, Mass. Trace-hook	750,373	Jan. 26 3657	787	108	858	
Kinnear Manufacturing Company. (See McCloud, Edward H., assignor.)						
Kinnear Manufacturing Company. (See Volp, John, assignor.)						
Kinnear, William R., New York, N. Y. Means for providing zinc in radiators	752,844	Feb. 23 3913	877	108	1961	
Kinnear, William R., Columbus, Ohio. Device for preventing endwise movement and lateral separation of slats in fire-resisting curtains	759,447	May 10 1768	357	110	420	
Kinnear, William R., Columbus, Ohio. Sheet-metal radiator	777,389	Dec. 13 1611	357	113	1790	
Kinney, Charles L., Uhrichsville, Ohio. Washboard	772,156	Oct. 11 1908	423	112	1383	
Kinney, Edward, Holyoke, Mass. Cutter for linoleum or the like	757,317	Apr. 12 2212	483	109	1820	
Kinney, Francis S., Butler, N. J. Horn for sound-reproducing instruments	776,070	Nov. 29 5139	1065	113	1237	
Kinney, Israel, Toronto, Canada, assignor of one-half to Detroit Saw & Tool Works, Detroit, Mich. Pocket or other knife	758,142	Apr. 26 3859	837	109	2224	
Kinney, John D., Villa Rica, Ga. Seed-planter and fertilizer-distributor	757,813	Apr. 19 3212	697 698	109	2062	
Kinney, Samuel D., et al. (See Player, James A., assignor.)						
Kinraide, Thomas B., Jamaica Plain, Mass. Interrupter	770,431	Sept. 20 2458	521	112	588	
Kinraide, Thomas B., Boston, Mass. High-potential induction-coil	770,433	Sept. 20 2460	321	112	589	
Kinraide, Thomas B., Boston, Mass. Thermal inductor	770,433	Sept. 20 2462	332	112	589	
Kinraide, Thomas B., Boston, Mass. Electric spark-gap	774,758	Nov. 15 2383	514	113	567	
Kinraide, Thomas B., Boston, Mass. Portable high-frequency device and vacuum-tube stand	774,759	Nov. 15 2386	515	113	568	
Kinraide, Thomas B., Boston, Mass. Self-contained hand-electrode	774,760	Nov. 15 2389	515	113	568	
Kinraide, Thomas B., Boston, Mass. Variable inductive resistance	777,290	Dec. 13 1613	358	113	1790	
Kinsely, John A. (See Cooper, Arthur W., assignor.)						
Kinsey, Darius R., Sedro Woolley, Wash. Photographic-printing cabinet	776,746	Dec. 6 565	124	113	1551	
Kinsey, Isaac, Dayton, Ohio. Frame for vapor-stoves	753,498	Mar. 1 619	120	109	114	
Kinsey, Lemon B., Armagh, Pa. Wrench	771,556	Oct. 4 675	151	112	1102	
Kinsey, Peter S., et al. (See Burt, Anderson, and Grossman, assignors.)						
Kinsey, Peter S., Newark, N. J., and J. H. L. Anderson, Brooklyn, assignors to said Kinsey, W. Kinsey, New York, N. Y., and J. H. Burt, Springfield, Mass. Shoe-holder	754,072	Mar. 8 1693	376	109	389	
Kinsey, Walter, et al. (See Burt, Anderson, and Grossman, assignors.)						
Kinsey, William S., assignor of one-half to E. D. Cook, Reading, Mass. Safety appliance for banks	754,073	Mar. 8 1695	376 377	109	390	
Kinsley, William S., and S. S. Bell, Reading, Mass. Insulator	756,026	Mar. 29 5498	1213	109	1268	
Kintner, Charles J., New York, N. Y. Electric railway	748,619	Jan. 5 115	29	108	26	
Kintner, Charles J., New York, N. Y. Electric railway	748,620	Jan. 5 121	30, 31	108	28	
Kintner, Charles J., New York, N. Y. Safety system of electric railways	748,621	Jan. 5 183	31, 32	108	30	
Kintz, Herbert, Sharpsburg, Pa. Bed-mattress	771,076	Sept. 27 3732	877	112	889	
Kintz, Mary E., Tacoma, Wash. Waist skirt-pin and garment-supporter	765,014	July 12 2266	469	111	511	
Kintzing, William F. (See McKnight, John W., assignor.)						
Kintzing, William F., Hanover, Pa. Let-off and take-up mechanism for looms	772,890	Oct. 18 3368	732	112	1725	
Kintzing, William F., Hanover, Pa. Shuttle-motion for looms	773,396	Oct. 25 4561	964	112	2012	
Kip-Armstrong Company. (See Johnson, Allan A., assignor.)						
Kip-Armstrong Company. (See Kip, Frederic E., assignor.) (Reissue.)						
Kip, Frederic E. (See Baker and Kip.)						
Kip, Frederic E., Montclair, N. J., assignor to Kip-Armstrong Company. Electrical warp stop-motion for looms. (Reissue.)	12,374	Oct. 11 2256	494	112	1462	
Kipp, Herbert M., et al. (See Gould, Walter E., assignor.)						
Kipy, E. J. (See Egleston, Hardy, and Lapeer, assignors.)						
Kirby, Edmund B., Rossland, Canada. Boiler-furnace draft-governor	772,519	Oct. 18 2651	583	112	1569	
Kirby, Eugene J., et al. (See Meyer, Frederick, assignor.)						
Kirby, George J. (See Conner, Charles W., assignor.)						
Kirby, George J., Providence, R. I. Nose-guard for eyeglasses	768,907	June 28 4527	988	110	2481	
Kirby, Jerry W., assignor of five-eighths to F. Campana and C. H. Old, Butte, Mont. Coffee or spice mill	768,581	Aug. 23 4694	1026	111	2183	
Kirby, John, Jr., assignor to Dayton Manufacturing Company, Dayton, Ohio. Fixture for hanging sash	753,985	Mar. 8 1538	343	109	355	
Kirby, John, Jr., assignor to Dayton Manufacturing Company, Dayton, Ohio. Curtain-fixture	755,675	Mar. 29 4783	1064	109	1107	
Kirch, Charles J., Keokuk, Iowa. Cream separator	778,679	Dec. 27 4384	958	113	2422	
Kirch, Henry, Santa Rosa, Cal. Automatic road-gate	770,758	Sept. 27 3086	654	112	746	
Kirchbach, Frank, Munich, Germany. Water-locomotive	765,896	July 26 3990	854	111	910	
Kirchman, William, Centerville, Iowa. Wheel construction	755,013	Mar. 22 3371	783	109	832	
Kirk, Edward C., Pittsburg, Pa., assignor of one-half to H. C. Kirk, Washington, D. C. Heat-retainer	752,687	Feb. 23 3622	806	108	1898	
Kirk, Edward C., assignor of one-half to H. C. Kirk, Pittsburg, Pa. Apparatus for retaining heat in foods	758,009	Apr. 19 3584	776	109	2144	
Kirk, Edward C., Lansdowne, Pa., assignor of one-half to W. J. Evans and E. H. Gane, New York, N. Y. Dentifrice	760,397	May 17 3594	110	829		
Kirk, Edward J., Camden, N. J. Stanchion	772,520	Oct. 18 2652	588	112	1569	
Kirk, Hyland C. (See Kirk, Edward C., assignor.)						
Kirk, Josephus N., Burnet, Tex. Seed-planter	770,500	Sept. 20 2599	551	112	620	

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Kirk-Latty Manufacturing Company. (See Latty and Steffel, assignors.)						
Kirk, Robert A. (See Shelton and Kirk.)						
Kirkbride, Charles, assignor of one-half to B. F. Achauer, Glouster, Ohio. Clothes-line stretcher	778,045	Dec. 20	3153	693	113	2138
Kirkbride, George B., et al. (See Durkin, John P., assignor.)						
Kirkgeard, Georg, assignor of one-half to F. J. Jensen, New York, N. Y. Bottle-stopper	758,319	Apr. 26	4225	908	109	2304
Kirkpatrick, C. P., et al. (See Kirkpatrick, James E., assignor.)						
Kirkpatrick, George M., Ennis, Tex. Machine for pulling stalks	760,877	May 24	4569	974	110	1072
Kirkpatrick, James E., assignor of two-thirds to C. P. Kirkpatrick, A. D. Moffett, Elwood, Ind., and L. P. Coulter, Milwaukee, Wis. Seal-press	778,414	Dec. 27	3885	846	113	2314
Kirkpatrick-Picard, Hugh F. (See Gatiernole, Sulman, and Kirkpatrick-Picard.)						
Kirkpatrick, William P., Newcastle, Pa. Churn	751,520	Feb. 9	1355	309	108	1366
Kirksey, John G., assignor of one-fourth to H. L. Shannon, Carthage, Mo. Pump	756,968	Apr. 12	1505	332	109	1679
Kirkwood, Benjamin. (See Horton, William G., assignor.)						
Kirkwood, Thomas M., Salt Lake City, Utah. Washing-machine	770,295	Sept. 20	2325	464	112	537
Kirkwood, William, Chicago, Ill. Hydrogen-gas generator	767,289	Aug. 9	2353	493	111	1580
Kirman, William H., Bayonne, N. J., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Automatic non-interfering repeater for fire-alarm circuits	749,387	Jan. 12	1715	363	108	409
Kirsch, Louis, Yonkers, N. Y. Eyeglasses	775,828	Nov. 22	4643	984	113	1098
Kirschke, George P. A. (See Webber, Frank I., assignor.)						
Kirshman, John W., California, Mo. Oil-feeder	770,077	Sept. 13	1768	374	112	416
Kirshner, Michael, Lynchburg, Va. Apparatus for extracting oil	761,686	June 7	128	22	110	1466
Kirssnoff, Wassily, Taganrog, assignor to Société en Actions "Prométhée" Directeur Metchislav Fiedler, Moscow, Russia. Explosive	763,675	June 28	4071		110	2384
Kirsten, Henry E., Rochester, N. Y. Eyeglasses	755,014	Mar. 22	3573	783	109	832
Kirtley, Simeon B., Jefferson City, Mo. Self-indexing loose-leaf ledger or book	767,290	Aug. 9	2355	493	111	1580
Kirzinger, Frank P., assignor of one-half to M. D. Bryant, Louisville, Ky. Pill or tablet machine	778,750	Dec. 27	4505	987	113	2449
Kise, James L., Wellington, Kans. Double-combination local spring-jack	765,183	July 19	2582	540	111	594
Kiser, Jacob D., Fremont, Ohio. Blow-off valve	759,448	May 10	1769	337	110	420
Kisinger-Ison Company. (See Conway, Michael R., assignor.)						
Kisinger-Ison Company. (See King, John H., assignor.)						
Kissam, Daniel S., Orange, N. J. Match-safe	754,221	Mar. 8	1964	441	109	453
Kissam, George F. (See Sauvage, William H., assignor.)						
Kissam, George F. (See Sauvage, William H., assignor.) (Reissue.)						
Kissam, George F., et al. (See Sauvage, William H., assignor.)						
Kissell, John W. (See Ferguson and Kissell.)						
Kissinger, Jacob. (See Glasser, Martin, assignor.)						
Kistler, Libbie F. (See Symonds, Henry, assignor.)						
Kistler, Samuel L. (See Goldman, Isaac S., assignor.)						
Kistler, Samuel L. (See Pettengill, Frederick B., assignor.)						
Kistler, Samuel L. (See Walter, Robert H., assignor.)						
Kitchen, George C., Houston Heights, assignor of one-half to J. B. Brockman, Houston, Tex. Compound for destroying boll-weevils	768,806	Aug. 30	5473		111	2329
Kitchen, James L., Sandyhook, Ky. Horse-cover	763,103	June 21	2948	635	110	2117
Kitchen, John G. A., and L. P. Perkins, Lancaster, England. Steam-generator	757,625	Apr. 19	2855	632	109	1984
Kitchen, Joseph M. W., East Orange, N. J. Means for regulating combustion	762,912	June 21	2587	562	110	2038
Kitchen, Joseph M. W., East Orange, N. J. Means for regulating combustion	762,913	June 21	2594	562	110	2040
Kitchen, Joseph M. W., East Orange, N. J. Means for regulating combustion	767,569	Aug. 16	2906	608	111	1722
Kitchener, Samuel A., Stockton, Cal. Device for the prevention of railway hold-ups	776,599	Dec. 6	262	58	113	1487
Kitchin, Charles, Elwood, Ind. Bale-tie	766,045	July 26	4286	919	111	972
Kitfield, Edward H., Swampscott, Mass. Electrical system of heating	748,749	Jan. 5	364	81, 82	108	81
Kitsee, Isidor, Philadelphia, Pa. Telephone	751,655	Feb. 9	1608	366	108	1419
Kitsee, Isidor, Philadelphia, Pa. Printing on tins	753,144	Feb. 23	4508	1005	108	2095
Kitsee, Isidor, Philadelphia, Pa. Telephonic relay or repeater	754,457	Mar. 15	2502	545	109	582
Kitsee, Isidor, Philadelphia, Pa. Submarine telegraphy	763,908	June 28	4528	988	110	2481
Kitsee, Isidor, Philadelphia, Pa. Storage battery	765,082	July 12	2402	500	111	538
Kitsee, Isidor, Philadelphia, Pa. Telephone	765,142	July 12	2506	524	111	560
Kitsee, Isidor, Philadelphia, Pa. Telephone-exchange system	766,450	Aug. 2	603	128	111	1172
Kitsee, Isidor, Philadelphia, Pa. Telephonic transmission	766,451	Aug. 2	609	129	111	1173
Kitsee, Isidor, Philadelphia, Pa. Telephony	766,502	Aug. 2	736	154	111	1201
Kitsee, Isidor, Philadelphia, Pa. Telephonic transmission	766,503	Aug. 2	739	154	111	1201
Kitsee, Isidor, Philadelphia, Pa. Producing elements for electric cells	766,504	Aug. 2	740	154	111	1202
Kitsee, Isidor, Philadelphia, Pa. Cellulose	767,646	Aug. 16	3065	640	111	1756
Kitsee, Isidor, Philadelphia, Pa. Production of amorphous cellulose	767,822	Aug. 16	3308		111	1828
Kitsee, Isidor, Philadelphia, Pa. Dissolving nitrated cellulose	767,943	Aug. 16	3631		111	1879
Kitsee, Isidor, Philadelphia, Pa. Dissolving nitrated cellulose	767,944	Aug. 16	3632		111	1879
Kitsee, Isidor, Philadelphia, Pa. Insulating electric conductor	768,754	Aug. 30	5379	1133	111	2308
Kitsee, Isidor, Philadelphia, Pa. Insulating electric conductor	768,755	Aug. 30	5382	1134	111	2309
Kitsee, Isidor, Philadelphia, Pa. Insulating electric conductor	768,756	Aug. 30	5383	1134	111	2309
Kitsee, Isidor, Philadelphia, Pa. Time metering charge for telephone services	774,082	Nov. 1	1087	233	113	245
Kitsee, Isidor, Philadelphia, Pa. Production of paper-pulp	775,829	Nov. 22	4644	984	113	1098
Kitsee, Isidor, Philadelphia, Pa. Submarine telegraphy	777,259	Dec. 13	1558		113	1788
Kitsee, Isidor, assignor of one-half to C. L. Hamilton, Philadelphia, Pa. Cleansing paper-making machines						
Kitsee, Isidor, Philadelphia, assignor of one-half to C. L. Hamilton, William Penn, Pa. Making paper moisture or grease proof	769,091	Aug. 30	6057	1267	111	2460
Kitsee, Isidor, assignor, by mesne assignments, to Keystone State Telephone and Telegraph Company, Philadelphia, Pa. Telephonic relay	772,103	Oct. 11	1796		112	1360
Kitson Hydrocarbon Heating and Incandescent Lighting Company. (See Perillat, Charles, assignor.)						
Kitson Hydrocarbon Heating and Incandescent Lighting Company. (See Thayer, Russell, assignor.)						
Kitterman, Christopher C., Bolckow, Mo. Burglar-alarm	760,073	May 17	2980	623	110	706
Kittler, Bernhard, Memel, Germany. Machine for manufacturing peat bricks	769,150	Sept. 6	66	17	112	16
Kittler, Bernhard, Memel, Germany. Apparatus for removing water from peat	772,717	Oct. 18	3036	665	112	1652
Kittler, Bernhard, Memel, Germany. Removing water from peat	772,891	Oct. 18	3370	733	112	1725
Kitto, Thomas J., Joplin, Mo. Railway cross-tie	754,458	Mar. 15	2504	545	109	582
Kitton, John C., San Francisco, Cal. Compressible piston-packing	760,632	May 24	4071	865	110	966
Kitton, John C., assignor to E. B. Blood, San Francisco, Cal. Elastic-fluid-compressor valve	765,363	July 19	2931	612	111	670

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Kittredge, Charles H., Providence, R. I. Tag.	767,349	Aug. 9	2460	516	111	1604
Kitzmiller, George M., assignor to Electric Typewriter Company of Norfolk, Incorporated, Norfolk, Va. Ring-shifting device for type-writing machines.	767,945	Aug. 16	3683	768	111	1879
Kitzmiller, George M., assignor to Electric Typewriter Company of Norfolk, Incorporated, Norfolk, Va. Type-bar-supporting ring and hanger for type-writing machines.	767,946	Aug. 16	3685	769	111	1879
Kitzmiller, George M., Norfolk, Va. assignor to Electric Typewriter Company of Norfolk, Incorporated. Scale and pointer mechanism for type-writing machines.	768,331	Aug. 23	4479	942	111	2087
Kitzmiller, George M., Norfolk, Va., assignor to Electric Typewriter Company of Norfolk, Incorporated. Platen-shift mechanism for type-writing machines.	770,434	Sept. 20	2463	522	112	589
Kitzmiller, George M., assignor to Electric Typewriter Company of Norfolk, Norfolk, Va. Type-writing machine.	775,830	Nov. 22	4648	984 985	113	1098
Kitzmiller, George M., Norfolk, Va., assignor to Electric Typewriter Company of Norfolk, Incorporated. Automatic reversible-ribbon mechanism for type-writing machines.	776,850	Dec. 6	786	171	113	1590
Kitzmiller, George M., Norfolk, Va., assignor to Electric Typewriter Company of Norfolk, Incorporated. Line-spacing mechanism for type-writing machines.	776,851	Dec. 6	791	172	113	1600
Kitzmiller, George M., Norfolk, Va., assignor to Electric Typewriter Company of Norfolk, Incorporated. Paper-feed mechanism for type-writing machines.	776,852	Dec. 6	798	172	113	1601
Kitzmiller, George M., assignor to Electric Typewriter Company, Norfolk, Va. Convertible electric type-writing machine.	777,027	Dec. 6	1133	246 247 248	113	1678
Kitzmiller, George M., assignor of two-thirds to J. H. Wool and M. G. Nusbaum, Norfolk, Va. Picture-hanger.	752,622	Feb. 16	3490	778	108	1852
Kjellman, Alexius, Kipple, Pa. Marble-shooter.	778,046	Dec. 20	3154	693	113	2138
Kjellman, Rudolf H., assignor to Aktiebolaget Stockholms Vapenfabrik, Stockholm, Sweden. Recoil-operated firearm.	755,491	July 19	3205	669 670	111	729
Klüber, Augustus D., London, England, assignor to A. B. Dick Company, Chicago, Ill. Duplicating-machine.	750,863	Feb. 2	153	35 36	108	1091
Klüber, Augustus D., and W. D. Sternberg, London, England, assignors to A. B. Dick Company, Chicago, Ill. Duplicating apparatus.	778,415	Dec. 27	3887	846 847	113	2314
Klüber, Emile H., London, England. Note-striking mechanism for musical instruments.	759,532	May 10	1985	395 396	110	458
Klaiber, Maximilian. (See McColl and Klaiber.)						
Klamfoth, John B., Canal Winchester, Ohio. Pea-vine cutter.	774,254	Nov. 8	1397	308	113	332
Klampe, Albert F., Allendorf, Iowa. Corn-husking machine.	756,655	Apr. 5	875	191	109	1529
Klapka, Joseph F. (See Harris, William E., assignor.)						
Klappauf, Ferdinand A., C. Weinzaepfen, and A. Ribet, Chicago, Ill. Hame and trace connector.	767,758	Aug. 16	3250	684	111	1799
Klarle, Christian, Frankfurt-on-the-Main, Germany. Means for lowering loads applicable as life-saving apparatus.	759,499	Mar. 1	520	120	109	114
Klatt, Albert, assignor of one-half to E. Emmington, Collinsville, Cal. Detachable sail-fastening for mast-hoops.	749,068	Jan. 19	2870	614	108	674
Klaveness, E. (See Jacobsen, Nicolay, assignor.)						
Klay, Andrew, Bluffton, Ohio. Expandible mandrel.	749,202	Jan. 12	1332	286	108	327
Klayman, Israel, Baltimore, Md., assignor of one-half to M. Fetterman, Washington, D. C. Vending-showcase.	769,291	June 21	3310	716 717	110	2198
Kleber, Peter, Wiesbaden, Germany. Holder for electric incandescent lamps.	774,391	Nov. 8	1639	352	113	386
Kleeman, Louis F., El Paso, Tex. Coin-controlled clock and money-box.	750,374	Jan. 26	3628	787 788	108	858
Klein, Albert, Piestiti, Roumania. Bolting or sifting machine.	765,668	July 26	3551	730	111	818
Klein, Charles J., New York, N. Y. Push-button.	757,203	Apr. 12	1977	431	109	1732
Klein, Ernest F. O., Buffalo, N. Y. Watch-mainspring.	753,584	Mar. 1	710	159	109	135
Klein, Henry P., Chicago, Ill. Combined match-safe and cigar-cutter.	761,503	May 31	5807	1241	110	1361
Klein, John Desloge, assignor of two-thirds to P. A. Fusz and C. D. McLure, St. Louis, Mo. Combined concentrating and amalgamating table.	760,213	May 17	3270	686	110	769
Klein, John, Desloge, and C. D. McLure, assignors of one-third to P. A. Fusz, St. Louis, Mo. Concentrating-table.	760,214	May 17	3272	686 687	110	770
Klein, Rudolph, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter.	761,771	June 7	302	60, 61	110	1505
Klein, Rudolph, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photographic shutter.	761,772	June 7	310	61, 62	110	1508
Klein, William, Jr., Brooklyn, N. Y. Transfer-ticket.	768,292	June 21	3312	717	110	2198
Klein, William B., Cleveland, Ohio. Filter.	760,793	May 24	4423	940 941	110	1039
Klein, William H., Milwaukee, Wis. Furniture-leg attachment.	769,699	Sept. 13	1075	831	112	262
Kleinbach, John, Spokane, Wash. Surgical apparatus.	761,504	May 31	5808	1241 1242	110	1361
Kleinbielen, Hubert. (See Neinens and Kleinbielen.)						
Kleinfeldt, Arthur, assignor to S. Kleinfeldt, Hoboken, N. J. Pressure-regulator.	769,482	Sept. 6	684	147	112	156
Kleinfeldt, Hermann, New York, N. Y. Clothes-line fastener.	748,622	Jan. 5	139	32	108	31
Kleinke, Selma, (See Selma, Arthur, assignor.)						
Kleinbans, Harry B., and J. N. Dalzell, Pittsburg, Pa. Railway-switch.	758,974	May 3	780	156	110	180
Kleinknecht, Charles. (See Schmidt and Kleinknecht.)						
Kleinschmidt, Carl, assignor to Atlantic and Pacific Pile and Timber Preserving Company, Seattle, Wash. Wood-boring apparatus.	772,043	Oct. 11	1668	373	112	1331
Kleinsmith, Elmer B., New York, N. Y. Buttoner.	756,027	Mar. 29	5499	1213	109	1269
Kleintop, Davy, et al. (See Cooper, Charles B., assignor.)						
Kleist, Eugene de, North Tonawanda, N. Y. Valve for pneumatic musical instruments.	758,666	May 3	116	25	110	30
Kleist, Eugene de, North Tonawanda, N. Y. Automatic musical instrument.	770,862	Sept. 27	3303	697 698	112	794
Klemm, Hermann A., New York, N. Y. Trimming-cutter attachment for zigzag-sewing machines.	753,145	Feb. 23	4509	1005	108	2095
Klenk, Gottlieb, and J. F. Fink, Defiance, Ohio. Beer-box.	778,680	Dec. 27	4386	958 959	113	2422
Klepetchko, Frank. (See Repath and Marcy, assignors.)						
Kley, Gustav, Siegburg, Germany. Weighing-machine.	751,301	Feb. 2	995	223	108	1269
Klie, Ernst, Charlottenburg, Germany, assignor to Chemisch-Technische Fabrik Dr. Alb. B. W. Brand u. Co., Gesellschaft mit Beschraenkter Haftung. Coloring natural crystalline stones.	770,643	Sept. 20	2865	-----	112	679
Kline, Alexander, Jersey City, N. J. Securing electric wires.	749,867	Jan. 19	2670	571	108	631
Kline, Charles S., Mingo Junction, Ohio. Wrench.	732,564	Feb. 16	3356	746	108	1822
Kline, James B., assignor of two-thirds to S. W. Waters and C. E. Metzgar, Warren, Pa. Trolley system for overhead electric lines.	775,276	Nov. 15	3490	736	113	828
Kline, James M., Beavertown, Pa. Hydraulic ram.	758,259	Apr. 26	4086	884 885	109	2272

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Kline, John H., Brookport, Pa. Rail splice or joint	773,735	Nov. 1	424	93	113	100
Kline, John P., Brooklyn, Mich. Manufacture of hopple-loops	750,301	Jan. 19	3297	712	108	764
Kline, Lewis T., Alpena, Mich. Automatic lathe	775,302	Nov. 22	3548	748	113	856
Kline, Samuel, Jersey City, N. J. Line-measure	758,320	Apr. 26	4228	908	109	2304
Kling, John C., assignor of one-half to G. B. Freese, Canton, Ohio. Galley-stand	750,464	Jan. 26	3734	824	108	894
Kling, Orlando, Denver, Colo., assignor of one-half to H. George, San Francisco, Cal. Conveyor	773,509	Oct. 18	2740	603 604	112	1589
Kling, Peter M. (See Knobbs, Charles H., assignor.)						
Kling, Peter M. (See Zimmerman, Arnold W., assignor.)						
Kling, Peter M., Elizabeth, N. J., assignor to Dayton Manufacturing Company, Dayton, Ohio. Sliding-door latch	776,747	Dec. 6	567	124	113	1532
Kling, Valentine, Council Bluffs, Iowa. Book-finisher's stand	770,587	Sept. 30	2763	585 586	112	657
Klingele, Herman F., assignor to Crompton-Thayer Loom Company, Worcester, Mass. Shed-forming mechanism for looms	765,739	July 26	3696	788	111	845
Klingelfuss, Friedrich, Basle, Switzerland. Coil for electromagnets or other purposes	755,229	Mar. 22	3946	873	109	912
Klingenberg, Winfield S., Port Chester, N. Y. Safety-signal for railways	762,726	June 14	3209	480	110	1935
Klingensmith, Edward W., and F. W. Lane, Century, Fla. Log-car standard	750,659	Jan. 26	4153	901	108	967
Klinger, Fred J., Watertown, assignor of one-half to J. J. Solon, Reeseville, Wis. Steering-gear for vehicles	772,808	Oct. 18	3208	698	112	1689
Klinger, Richard, Gumpoldskirchen, Austria-Hungary. Packing for stuffing-boxes	765,015	July 12	2268	470	111	511
Klipfel, Thomas, Chicago, Ill. Bed-bottom support	767,700	Aug. 16	3156	659 660	111	1777
Klipfel, Thomas, assignor to Union Wire Mattress Company, Chicago, Ill. Elastic bed-bottom	762,536	June 14	1827	392	110	1854
Klipping, George E., Forest City, Iowa. Wire-gate fastening	762,481	June 14	1705	366	110	1838
Klipstein, Friedreck C., Prairie du Sac, Wis. Coat-stay	775,628	Nov. 22	4264	900	113	1017
Klock, Carl B., Urban, Pa. Piano-action	769,907	Sept. 13	1458	312	112	346
Kloeb, William R., Cleveland, Ohio. Floor-furnace	765,143	July 12	2510	524	111	561
Kloepfing, Mathilda C., Washington, D. C. Holding and draining rack	776,332	Nov. 29	5625	1192	113	1396
Kloman, Andrew C., Pittsburg, Pa. Leak-detector for twyers, cooling-boxes, &c.	759,449	May 10	1772	358	110	421
Kloman, Andrew C., Pittsburg, Pa. Apparatus for generating electricity	761,971	June 7	708	143 144	110	1593
Kloman, Andrew C., assignor of one-fifth to W. M. Scott, Saxton, Pa. Retort coke-oven	757,469	Apr. 19	2518	552 553	109	1909
Kloman, Anthony C., assignor of one-half to J. Scott, Pittsburg, Pa. Retort for making gas and coke	754,459	Mar. 15	2506	545	109	582
Klönne, August, Dortmund, Germany. Derrick-frame for shaft-hoists	766,452	Aug. 2	610	129	111	1173
Klotz, Frederick C., assignor of one-half to G. W. Cuscaden, Sr., Louisville, Ky. Heating device	771,429	Oct. 4	430	98	112	1048
Klugel, Gustav H., assignor of one-half to F. H. Heil, Thielman, Minn. Draft attachment for vehicles	778,047	Dec. 30	3155	694	113	2138
Klugh, Williston W., Clemson College, S. C. Mailing-envelope	759,382	May 10	1647	334	110	398
Knackstedt, Fritz, Chicago, Ill. Steam-trap	773,872	Nov. 1	682	143	113	157
Knapp, Charles H., Paterson, N. J. Winding-machine	748,750	Jan. 5	367	82	108	81
Knapp, Charles H., Paterson, N. J. Machine for folding cuff-blanks or the like	778,751	Dec. 27	4508	987 988	113	2449
Knapp, Fred H. (See Blackstone, Clarence W., assignor.)						
Knapp, Fred H., and C. W. Blackstone, Chicago, Ill. Labeling-machine	761,080	May 31	5007	1062 1063	110	1184
Knapp, Frederick A. (See Looft and Knapp.)						
Knapp, Grant, assignor of one-half to H. Hayden, Brooklyn, N. Y. Plate for horseshoe-pads	777,213	Dec. 13	1477	327	113	1769
Knapp, Gray G., Auburn, assignor to C. S. Averill, Syracuse, N. Y. Door-lock-actuated circuit-breaker	759,814	May 10	2476	518	110	575
Knapp, Henry F. (See Banse and Knapp.)						
Knapp, Jeremiah R., assignor of one-half to S. C. Tyler, Norwalk, Ohio. Game	757,470	Apr. 19	2620	553	109	1909
Knapp, Jeremiah R., assignor to J. W. Risser, Norwalk, Ohio. Vehicle propelling mechanism	773,572	Nov. 1	77	15, 16	113	22
Knapp, John D. C., Minneapolis, Minn. Seal-lock	757,814	Apr. 19	3214	698	109	2063
Knapp, Matthias, Enid, Okla. Ter. Shingle-cutter	773,397	Oct. 25	4562	964	112	2012
Knapp, Paul S. (See Shade and Knapp.)						
Knapp, Roland W., Minneapolis, Minn. Steam-condenser	753,404	Mar. 1	339	76, 77 154	109	76
Knapp, Sherman E., and E. C. Ortega, Los Angeles, Cal. Chilli-roaster	766,505	Aug. 2	741	151 155	111	1202
Knapp, Thurman R. (See Dolph and Knapp.)						
Knapp, Theron L., Woodstock, assignor to Oliver Typewriter Company, Chicago, Ill. Auxiliary paper-guide for type-writing machines	761,306	May 31	5457	1159	110	1280
Knapp, Paul W. (See Evans and Knapp.)						
Knapp, George C. (See Norton and Knapp.)						
Knauss, Thomas E., Columbus, Ohio. Route-indicator	774,255	Nov. 8	1398	298	113	332
Kneale, William C., Indianapolis, Ind., assignor to National Malleable Castings Company, Cleveland, Ohio. Stove-top	754,146	Mar. 8	1834	409	109	422
Kneas, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector	750,302	Jan. 19	3298	712	108	765
Knecht, Paul, Knoxville borough, Pa., assignor to A. Garrison Foundry Company. Adjusting mechanism for rolls, &c.	750,864	Feb. 2	156	36, 37	108	1091
Kneeder, Miriam R. (See Kneeder, Walter S., assignor.)						
Kneeder, Walter S., assignor of one-half to M. J. Kneeder, Philadelphia, Pa. Car-coupling	776,333	Nov. 29	5626	1192	113	1336
Kneip, Frederic E., assignor, by mesne assignments, of one-third to said Kneip, trustee, Revere, Mass. Apparatus for cutting and polishing precious stones	775,567	Nov. 22	4139	871	113	989
Kneisli, Daniel W., assignor of two-thirds to G. H. and F. J. Kramer, Dayton, Ohio. Labeling-machine	754,460	Mar. 15	2507	546 547	109	583
Knell, Benjamin F., Philadelphia, Pa. Mandolin-pick holder	749,616	Jan. 12	2168	455	108	507
Kneppel, Stephen, Scranton, Pa. Alloy	759,617	May 10	2103	510	110	499
Knibbs, Charles, and R. H. Sterrett, Paterson, N. J. Clamp-hook	768,377	Aug. 23	4612	965	111	2125
Knibbs, Charles, and R. H. Sterrett, Paterson, N. J. Woven bag	768,378	Aug. 23	4613	965	111	2125
Kniebier, Friedrich J. B. (See Fankhauser, Ryser, and Kniebier.)						
Knickerbocker, Burton D., assignor to Knickerbocker Mfg. Company, Chicago, Ill. Faucet connection	761,505	May 31	5809	1242	110	1362
Knickerbocker Mfg. Company. (See Knickerbocker, Burton D., assignor.)						
Knickerbocker Trunk Company. (See Seaman, Alonzo D., assignor.)						
Knietsch, Rudolf, P. Seidel, and G. W. Meiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making indoxyl and derivatives	756,171	Mar. 29	5747	.....	109	1322
Knietsch, Rudolf, P. Seidel, and O. J. Graul, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making indigo	778,752	Dec. 27	4511	113	2450

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Knietsch, Rudolph, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Apparatus for making sulfuric anhydrid	774,083	Nov. 1	1095	233	113	247
Kniffen, Le Grand, Chicago, Ill. Traction-band for wheels	757,471	Apr. 19	2532	553	109	1910
Kniffin, George G., Bayonne, N. J., assignor to Boynton Furnace Company, New York, N. Y. Fire-pot	749,203	Jan. 12	1833	286	108	387
Kniffitt, George G., Bayonne, N. J., assignor to Boynton Furnace Company, New York, N. Y. Grate	756,118	Mar. 29	5668	1250	109	1305
Kniffner, Bruno, Milwaukee, Wis. Means for dissolving size for paper-making	771,986	Oct. 11	1544	346	112	1302
Knight, Alfred J., Melrose, assignor of one-half to J. B. Thomas, Boston, Mass. Chemical fire-extinguisher	752,399	Feb. 16	3050	678	108	1755
Knight, Charles D. (See Lueht and Knight.)						
Knight, Herbert A., et al. (See Cottrill, Archibald H. F., assignor.)						
Knight, J. J., et al. (See Loveless, David H., assignor.)						
Knight, John A., Lynn, Mass. Combination paper-knife and mail-opener	767,647	Aug. 16	3066	640	111	1757
Knight, John E., Allentown, Pa. Removable leg and support	766,702	Aug. 2	1158	240	111	1299
Knight, John W., Bowling Green, Ohio. Pumping-jack	772,418	Oct. 18	2443	535	112	1524
Knight, Levi J., Braidenton, Fla. Harrow and cultivator	762,173	June 7	1059	224	110	1668
Knight, Lewis, Beloit, Kans. Dental articulator	750,203	Jan. 19	3301	713	108	705
Knight, Margaret E. (See Benjamin, John M., assignor.)						
Knight, Margaret E., South Framingham, Mass. Rotary engine	752,784	Feb. 23	3788	846	108	1934
Knight, Margaret E., South Framingham, Mass. Rotary engine	758,321	Apr. 26	4230	847	109	2305
Knight, Margaret E. (See Benjamin, John M., assignor.)				909		
Knight, Stephen S., Newmarket, Tenn. Fence	756,939	Apr. 12	1509	392	109	1679
Knighon, Charles J., Birmingham, Ala. Plumb and leveling-glass	777,641	Dec. 13	2324	510	113	1962
Knighon, France L., Louisville, Ky. Curtain-fixture	752,983	Feb. 23	4223	941	108	2032
Kuiper, Oliver C., Norristown, Pa. Ball-bearing	755,371	Mar. 28	4224	934	109	973
Kuiper, William A., Haverhill, Mass. Cementing-machine	754,074	Mar. 8	1697	377	109	391
Kniphals, Henry, Davenport, Iowa. Potato-digger	750,375	Jan. 26	3630	788	108	859
Knisely, John A., Chicago, Ill. Metal window frame and sash	749,201	Jan. 12	1381	285	106	327
Knisely, John A., Chicago, Ill. Metal window	751,521	Feb. 9	1356	309	108	1366
Knittel, Carl T., Freiburg, Germany. Cutting device	765,083	July 12	2404	501	111	538
Knobbs, Charles H., assignor of one-half to P. M. Kling, Elizabeth, N. J. Rod connection	763,676	June 28	4071	886	110	2384
Knobel, Abraham, et al. (See Barnes, Willis W., assignor.)						
Knobloch, Alvin E., Detroit, Mich. Paving-brick	775,905	Nov. 22	4786	1014	113	1128
Knobloch, John. (See Knobloch, William, assignor.)						
Knobloch, William, assignor to J. Knobloch, New York, N. Y. Electric-lighting apparatus	763,002	June 21	2754	598	110	2076
Knobloch, James B. (See Boileau, James W., assignor.)						
Knock, Charles E., Charleroi, Pa. Barrow-wheel	749,566	Jan. 12	3096	434	108	490
Knode, Oliver T., Richmond, Ind. Harmonica-holder	753,713	Mar. 1	960	217	109	207
Knoderer, Levi F., Columbus, Ohio. Stand-boiler	768,859	Aug. 30	5598	1176	111	2357
Knoevenagel, Emil, Heidelberg, Germany. Making odoriferous compounds	767,291	Aug. 9	2358	-----	111	1581
Knoller, Richard. (See Friedmann and Knoller.)						
Knöllner, Richard, Magdeburg, Germany. Apparatus for cleaning bottle baskets or racks	753,500	Mar. 1	521	121	109	114
Knopp, Josiah, Casstown, Ohio. Harrow	761,972	June 7	705	144	110	1593
Knope, John W. (See Knope, Joseph H., assignor.)						
Knope, Joseph H., Newmarket, Canada, assignor of one-half to J. W. Knope, Rochester, N. Y. Mail-box	775,404	Nov. 22	3769	798	113	909
Knopf, Carl, New York, N. Y. Stair-mat	756,507	Apr. 5	620	135	109	1473
Knott, Samuel W., Denver, Colo. Folding bedstead	768,737	Aug. 30	5385	1134	111	2310
Knowles, Franklin P., Dixon, Wyo. Fly-screen	766,703	Aug. 8	1160	241	111	1299
Knowles, O. C., et al. (See Bates, Charles F., assignor.)						
Knowles, Samuel E., San Francisco, Cal. Dental matrix	765,084	July 12	2405	501	111	538
Knowles, William H. (See Chapman, Leonard, assignor.)						
Knowlton, Alonzo J., Q. (See Creamer and Knowlton.)						
Knowlton, Frank H. (See Hughes, Judson, assignor.)						
Knowlton, George L., Philadelphia, Pa. Lawn-mower sharpener	765,492	July 19	3207	670	111	729
Knowlton, Gerry E., Boone, Iowa. Window support and lock	755,780	Mar. 29	5018	1116	109	1160
Knowlton, Mark D., and F. H. Beach, Rochester, N. Y. Forming stay-strips	753,923	May 3	691	138	110	161
Knowlton, William N. (See Townsend, William W., assignor.)						
Knox Automobile Company. (See Kerr, George W., assignor.)						
Knox, John J., Los Angeles, Cal. Shingling-gage	772,521	Oct. 18	2654	583	112	1570
Knox, Orville M., Oneida, N. Y. Rail-clip	764,362	July 5	931	189	111	205
Knox, Orville M., Oneida, N. Y. Vehicle-holdback	769,389	Sept. 6	499	110	112	113
Knox, Samuel L. G., Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Pile-driver	765,016	July 12	2369	471	111	511
Knox, Samuel L. G., Milwaukee, and W. Ferris, assignors to Bucyrus Company, South Milwaukee, Wis. Lower tumbler and ladder end for elevator-dredges	770,011	Sept. 13	1666	354	112	394
Knox, William J., Edgewood, assignor to G. Westinghouse, Pittsburg, Pa. Hopper-feeding device for gas-producers	761,081	May 31	5010	1063	110	1184
Knox, William J., assignor to G. Westinghouse, Pittsburg, Pa. Manufacture of carbonic acid gas	768,230	Aug. 23	4291	903	111	2046
Knoxall Manufacturing Company et al. (See De Tray, Floyd W., assignor.)						
Knudsen, Anton M., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ring	750,288	Jan. 26	8469	751	108	822
Knudsen, Anton M., Chicago, Ill., assignor to L. Sands, Cleveland, Ohio. Combined switch-socket and restoring annunciator	759,383	May 10	1648	334	110	393
Knudsen, Hans. (See Walden and Knudsen.)						
Knudsen, John. (See Lloyd and Knudsen.)						
Knudsvig, Knud H., Buxton, N. D. Adjustable mesh-sieve	773,944	Nov. 1	828	173	113	190
Knupp, Jacob C., Warren, Pa. Well-derrick	751,078	Feb. 2	544	137	108	1178
Knuth, Jake, and C. Read, Oswego, Ill. Vehicle-brake	752,984	Feb. 23	4224	941	108	2032
Knutsen, Martin, Fresno, Cal. Meat-tenderer and vegetable-cutter	759,893	May 17	2635	551	110	626
Kober, Ferdinand, Allentown, Pa. Machine-gun	771,019	Sept. 27	3619	762	112	864
Kobert, Rudolf, Rostock, assignor to Firm of E. Merck, Darmstadt, Germany. Saponin and making same	763,003	June 21	2756	-----	110	2076
Kocab, Charles A., Allegheny, Pa. Nut-lock	763,677	June 28	4073	886	110	2384

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Kocab, Frank, assignor of one-half to G. W. Steigleder, Allegheny, Pa. Elevator safety device	762,240	June 7	1186	254	110	1697
Koch, Arthur A., Montezuma, Iowa. Power-hammer	751,522	Feb. 9	1357	310	108	1866
Koch, Charles J., Bigstone, S. D. Governor-regulator	748,751	Jan. 5	368	83	108	89
Koch, Frederick A., New York, N. Y. Surgical-instrument case	730,485	Jan. 26	3735	825	108	895
Koch, George, East Sandy, Pa. Book-handle	753,585	Mar. 1	711	159	109	155
Koch, Gustave, assignor to H. C. Blye, New York, N. Y. Bottle-stopper	767,947	Aug. 16	3636	769	111	1880
Koch, Gustave, New York, N. Y., assignor to Antiseptic Brush Company. Shaving-brush	770,588	Sept. 20	2764	586	112	657
Koch, Henry E., Hartington, Nebr. Obstetrical forceps	751,656	Feb. 9	1613	306	108	1419
Koch, Henry F. (See Luck, Henry, assignor.)						
Koch, Johann J. and J. Humbel, Wohlen, Switzerland; said Humbel assignor to said Koch. Cook-stove	756,378	Apr. 5	382	78	109	1425
Koch, Ludwig D., New York, N. Y. Tobacco-pipe	772,942	Oct. 25	3482	755	112	1767
Koch, Norbert. (See Lauber and Koch.)						
Koch, Royal S., Bethlehem, Pa. Tobacco-pipe	769,546	Sept. 6	796	171	112	180
Koch, William E., Whitehall, N. Y. Fish-hook	773,727	Nov. 22	4456	943	113	1059
Kochenderfer, John H., Galion, Ohio. Automatic valve for rain-spouts	768,188	June 21	3123	671	110	2158
Kochs, Benjamin. (See Haas and Kochs.)						
Kochsmeier, Henry P., Freeport, Ill. Towel-rack	775,184	Nov. 15	3237	696	113	767
Kodama, Nobuyoshi H., assignor of one-half to R. Gancher, New York, N. Y. Automatic adding or subtracting apparatus	753,586	Mar. 1	712	160	109	156
Köbe, Emil. (See Thompson and Köbe.)						
Koedding, William, assignor to Wm. J. Lemp Brewing Company, St. Louis, Mo. Automatic filling-machine	773,573	Nov. 1	81	16	113	23
Koehl, Clara E., Philadelphia, Pa. Hair-pin	767,112	Aug. 9	2019	420	111	1509
Koehler, Frank G., St. Louis, Mo. Fastener for car-axle boxes	755,886	Mar. 29	5226	1155	109	1210
Koehler, Frank G., St. Louis, Mo. Car-truck	755,887	Mar. 29	5227	1155	109	1210
Koehler, Frank G., St. Louis, Mo. Slack-adjuster	771,312	Oct. 4	177	39	112	999
Koehler, Henry W., Oswego, Oreg. Ratchet-lever	773,137	Oct. 11	1909	423	112	1383
Koehler, Harold W., Duquoin, Ill. Acetylene-gas generator	752,985	Feb. 23	4226	942	108	2033
Koehler, Joseph, New York, N. Y. Post-card exhibitor	766,699	Aug. 2	999	209	111	1263
Koehne, Ira C., Columbus, Ohio, assignor, by mesne assignments, to Computing Scale Company. Price-indicating scale	770,809	Sept. 27	3189	675	112	768
Koehne, Ira C., Columbus, Ohio, assignor, by mesne assignments, to Computing Scale Company. Price-indicating scale	770,810	Sept. 27	3202	676	112	772
Koenen, Eugene O., Eldora, Iowa. Shield for clinical thermometers	748,752	Jan. 5	369	83	108	82
Koenig, Christian J., Altan, Ill. Glass-pressing machine	776,600	Dec. 6	263	58, 59	113	1488
Koenig, Frank P., Lower St. Clair township, Allegheny county, Pa. Nut-lock	750,466	Jan. 26	3796	825	108	895
Koenig, Joseph, assignor to Aluminum Manufacturing Company, Two Rivers, Wis. Biggin	770,863	Sept. 27	3305	698	112	794
Koenig, William J., New York, N. Y. Hair-clamp	757,904	Aug. 12	1973	481	109	1782
Koeniger, Joseph, Cologne, Germany. Manufacturing ore bricks	755,372	Mar. 23	4925		109	973
Koenitzer, Robert, St. Louis, Mo. Device for washing and tanning hides or skins	773,873	Nov. 1	683	143	113	158
Koepfli, J. O., et al. (See Brown, William E., assignor.)						
Koepff & Co., Rudolph. (See Rieche and Saame, assignors.)						
Koepfen, William F., Marion, Ind. Drilling-machine	754,321	Mar. 8	2160	478	109	488
Koerper, William Linton, Ohio. Wagon-brake	777,904	Dec. 20	2875	633	113	2082
Koestner, Alfred, and C. J. Harms, Baltimore, Md. Condenser	775,277	Nov. 15	3492	736	113	828
Koge, Benjamin J. (See Ewer, Thomas E., assignor.)						
Kohl, Edward, et al. (See Wiesman, Lester A., assignor.)						
Kohler & Campbell. (See Danquard, Thomas, assignor.)						
Kohler & Campbell. (See Danquard and Twichel, assignors.)						
Köhler, Carl G. O. H. von, Stockholm, Sweden. Time-alarm for electric logs	772,532	Oct. 18	2655	583	112	1570
Kohler & Chase. (See Turney, Eugene T., assignor.)						
Kohler, George C. (See Parmenter and Kohler.)						
Kohler, George H. A. (See Wagner, John, assignor.)						
Kohler, Philip H., assignor of one-half to G. E. Crawford, Denver, Colo. Jar-closure	763,062	June 21	2870	620	110	2102
Kohler, Walter J., assignor to J. M. Kohler Sons Company, Sheboygan, Wis. Double-bell supply	773,018	Oct. 25	3625	738	112	1798
Kohlmetz, Willy, Frankfurt-on-the-Oder, Germany. Flat fireproof flooring construction with iron beams connecting the carrying walls	776,071	Nov. 29	5140	1066	113	1227
Kohlmoos, John H., Jr., assignor of one-half to H. H. Wendt, Jr., San Francisco, Cal. Transposing-keyboard	758,760	May 3	363	73	110	89
Kohn, Louis. (See Anderson, Frederick F., assignor.)						
Kohn, Monroe. (See Seller, Philipp, assignor.)						
Kohn, William, Brooklyn, N. Y. Gas-burner	754,075	Mar. 8	1699	377	109	891
Kohn, William, Brooklyn, N. Y. Gas-burner attachment	772,232	Dec. 27	3545	737	113	2241
Kohner, Morris, Philadelphia, Pa. Toilet article	759,450	May 10	1773	358	110	421
Kohnle, Frederick, assignor to Automatic Pin-Ticketing Machine Co., Dayton, Ohio. Machine for making and attaching pin-tickets	762,322	June 14	1369	295	110	1757
Kohnle, Frederick, assignor to Automatic Pin-Ticketing Machine Co., Dayton, Ohio. Type-chase	762,323	June 14	1374	296	110	1758
Kohnstamm & Co., H. (See Bartlett, Marcus J., assignor.)						
Kohout, Ferdinand, assignor to St. Louis Car Company, St. Louis, Mo. Tapping and drilling machine	760,878	May 24	4572	975	110	1072
Kohout, Vaclav, Friend, Nebr. Pipe-jack	763,364	July 19	2933	612	111	670
Kokernot, Alexander B., New Orleans, La. Machine for holding refrigerator-tubes	765,927	July 26	4057	867	111	923
Kokomo Steel & Wire Company. (See Fredrick, John E., assignor.)						
Kolander, Max, San Francisco, Cal., assignor to O. Schmidt, Jersey City, N. J. Accompaniment guitar-zither	770,864	Sept. 27	3305	698	112	794
Kolb, Henry F. (See Grear, Julian, assignor.)						
Kolf, Max, assignor, by mesne assignments, of one-half to Kolf Screen Co., St. Louis, Mo. Adjustable window-screen	755,676	Mar. 29	4784	1064 { 1065 }	109	1108
Kolf Screen Co. (See Kolf, Max, assignor.)						
Kolkmann, John H., New York, N. Y. Sifter	771,876	Oct. 11	1313	296	112	1254
Koll, John J. (See Koll, Peter J. and J. J.)						
Koll, Peter J. and J. J., Earlring, Iowa. Goods-exhibitor	770,589	Sept. 20	2766	586	112	657
Kollar, August, and H. Young, Bridgeville, Pa. Feed-water regulator	769,092	Aug. 30	6058 { 1267 1268 }	111	2460	
Kollar, August, and H. Young, Bridgeville, Pa. Switch-throwing mechanism	772,718	Oct. 18	3037	605	112	1632
Koller and Smith. (See Buckwater, Joseph R., assignor.)						
Koller, Wilhelm, assignor of one-half to L. Stein, Chicago, Ill. Machinery for the transmission of mechanical power	777,110	Dec. 13	1293	285	113	1790
Köllermeyer, Wilhelm, Hörde, Germany. Metallic rod-packing	765,740	July 26	3699	789	111	846
Kölliker & Co., P. A. (See Bösch, Eduard, assignor.)						
Kolling, Henry, Arlington Heights, Ill. Snapping-roll for corn-husking machines	773,588	Dec. 27	4220	919	113	2385

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			Spec.	Dr. & Co.		
Kollrepp, Alexander, Berlin, and A. Wohl, Charlottenburg, Germany. Electrolytically purifying juices.....	751,179	Feb. 2	737	169	108	1215
Kolo, Martin, Elizabethtown, N. Y. Gate.....	752,244	June 14	1376	296	110	1758
Konar, John, Chicago, Ill. Rotary tool.....	761,841	June 7	458	93	110	1541
Köneman, William A., Chicago, Ill. Manufacture of gas.....	749,302	Jan. 12	1540	327	108	370
Köneman, William A., Chicago, Ill. Briquetting-machine.....	752,565	Feb. 16	3356	747 748 749	108	1823
Köneman, William A., Chicago, Ill. Producing plaster-of-paris.....	767,065	Aug. 9	1916	747	111	1487
Köneman, William A., Chicago, Ill. Smoke-preventing furnace.....	767,066	Aug. 9	1917	402	111	1487
Köneman, William A., Chicago, Ill. Smoke-preventing furnace.....	775,041	Nov. 15	2955	630 631 632	113	698
Köneman, William A., Chicago, Ill. Furnace.....	776,185	Nov. 20	5354	1133 1134	113	1276
Köneman, William A., Chicago, Ill. Calcining-furnace.....	776,186	Nov. 29	5356	1133 1134	113	1277
Köneman, William A., Chicago, Ill. Reclaiming rubber from vulcanized-rubber waste.....	776,187	Nov. 29	5359	1135	113	1278
König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Low-power telescope.....	754,076	Mar. 8	1701	378	109	391
Königs, Julius J., New York, N. Y., assignor of one-half to G. B. Phelps, Camden, Me. Gas-stove.....	767,701	Aug. 16	3158	660	111	1777
Königstein, Gabor, assignor of one-half to J. Silverman, San Francisco, Cal. Telephone attachment.....	756,508	Apr. 5	622	135	109	1473
Konn, Frederick, et al. (See Pilot, William, assignor.)						
Kooman, George W. (See Chapman and Kooman.)						
Kooman, Julius J., New York, N. Y. Transmitting mechanism.....	765,623	July 19	3437	724 725	111	778
Koons, Edward L., et al., executors. (See Farnoff, Jay W., assignor.)						
Koontz, Louis K., assignor to Martin Hardsocg Manufacturing Company, Limited, Allegheny, Pa. Coal and rock drilling machine.....	756,028	Mar. 29	5499	1213	109	1269
Kootz, William. (See Erdmann and Kootz.)						
Koppel, Arthur, Berlin, Germany. Rail-fastening.....	749,936	Jan. 19	2815	602	108	664
Koppel, Arthur, Berlin, Germany. Wagon or like coupling.....	758,843	May 3	523	107	110	125
Koppel, Arthur, Berlin, Germany. Wagon-train.....	776,405	Nov. 29	5368	1221	113	1371
Koppers, Heinrich, Essen-on-the-Ruhr, Germany. Coke-oven.....	753,146	Feb. 23	4510	1005	108	2095
Kopperud, Anders H., assignor of one-fourth to R. L. McCabe, Byron, Cal. Cultivator.....	775,906	Nov. 22	4780	1015	113	1129
Kops, Daniel, New York, N. Y. Corset-stay.....	766,630	Aug. 2	1001	210	111	1264
Kops, Daniel, New York, N. Y. Corset attachment.....	766,704	Aug. 2	1161	241	111	1299
Kops, Daniel, New York, N. Y. Apparel-corset.....	766,705	Aug. 2	1163	241	111	1300
Kops, Daniel, New York, N. Y. Apparel-corset.....	766,706	Aug. 2	1164	242	111	1301
Kops, Daniel, New York, N. Y. Apparel-corset.....	767,415	Aug. 16	2594	546	111	1650
Korach, Louis F. (See Schramek, Peter P., assignor.)	777,423	Dec. 13	1875	413	113	1857
Korbel, John, Los Angeles, Cal. Doughnut frier and drainer.....	759,618	May 10	2103	431	110	493
Korff, Max, Hanau, Germany. Illuminating-body.....	748,753	Jan. 5	371	83, 84	108	82
Korfhage, John W., Denver, Colo. Gold-separator.....	757,235	Apr. 12	1980	431	109	1782
Korfhage, Rudolf, Camden, N. J. Clock.....	759,619	May 10	2105	432	110	493
Korjibsky, Victor K., Brooklyn, N. Y. Device for cleaning stoves, furnaces, or similar heaters.....	767,648	Aug. 16	3067	641	111	1757
Korth, Martin, Cologne-Raderberg, Germany. Tire-cover.....	765,290	July 19	2769	578	111	635
Körting, Ernst, Körtingsdorf, near Hanover, Germany. Internal-combustion engine.....	748,959	Jan. 5	780	169	108	177
Körting, Ernst, Hanover, Germany. Gas-mixing device for gas-engines.....	768,807	Aug. 30	5474	1153	111	2329
Kosansvich, Stef, assignor to J. Tomcal, Chicago, Ill. Bottle.....	769,615	Sept. 6	809	196	112	206
Koscinski, Ernest, Jersey City, N. J. Reflection-measuring instrument.....	765,493	July 19	3208	670 671	111	730
Koslofsky, Julius, New York, N. Y. Sink.....	772,719	Oct. 18	3099	666	112	1653
Kossowski, Stanley, Chicago, Ill. Measuring-bottle.....	773,574	Nov. 1	85	17	113	25
Köster, Julius, Zittau, Germany. Water-tube steam-generator.....	769,547	Sept. 6	798	172	112	180
Kosters, Clements B., Buffalo, N. Y. Shoe-holder.....	755,015	Mar. 22	3574	784	109	832
Kotimann, Kaspar, Zurich, Switzerland. Electrically-driven machine for sawing logs, &c.....	757,626	Apr. 19	2856	622 623	109	1985
Kottusch, Emanuel, Wetzikon, near Zurich, Switzerland. Clamp-fastening for split rings.....	770,501	Sept. 20	2901	551	112	621
Kottusch, Emanuel, Wetzikon, near Zurich, Switzerland. Belt-shipper.....	774,358	Nov. 8	1588	340	113	374
Kottusch, Emanuel, assignor to F. Holzach, Zurich, Switzerland. Belt-shipper for pulleys.....	758,081	Apr. 26	3743	813 814	109	2196
Kotzebue, George W. (See Sayre, Reuben H., assignor.)						
Koubas, Anton V., Milligan, Neb. Fermenting honey.....	754,461	Mar. 15	2512	109	584	
Kouns, Victor, Mokane, Mo. Dumping-car.....	764,476	July 5	1137	235	111	255
Kouns, Wesley, Salina, Kans. Hay or grain loader or unloader.....	775,773	Nov. 22	4326	963	113	1076
Kovačević, Milan, Allegheny, Pa. Advertising-cabinet.....	753,587	Mar. 1	714	160	109	156
Kovács, Lajos and M., San Francisco, Cal. Pick and point.....	757,206	Apr. 12	1981	432	109	1782
Kovács, Mihály. (See Kovács, Lajos and M.)						
Kowalski, Josef von, and I. Mosicki, Freiburg, Switzerland. Apparatus for electrical production of nitrogen or other compounds.....	754,147	Mar. 8	1835	400	109	422
Kowalski, Mieczyslaw, Warsaw, Poland, Russia. Purifying syrup.....	768,130	Aug. 23	4099	784	111	2005
Koyl, Charles H., New York, N. Y. Coal-separating apparatus.....	755,016	Mar. 22	3576	785	109	833
Kozminski, Samuel, assignor to Vesta, Fabrik Automatischer Gasmesser G. M. B. H., Charlottenburg, Germany.....	757,627	Apr. 19	2858	623	109	1985
Krabbach, Frank X., Fort Wayne, Ind. Newspaper-rack.....	756,509	Apr. 5	624	135	109	1473
Krabbach, Frank X., Fort Wayne, Ind. Newspaper-file.....	776,853	Dec. 6	795	172	113	1601
Kraetsch, Paul J., Des Moines, Iowa. Smoke-consuming furnace.....	756,379	Apr. 5	684	78, 79	109	1426
Kraeuter, Arthur A., Newark, N. J. Belt-punch.....	751,079	Feb. 2	546	127	108	1179
Kraft, Edward L., and C. P. Young, York, Pa. Apparel-pad.....	751,392	Feb. 2	598	226	108	1270
Kraft, Henry P. (See Schweinert and Kraft.)						
Krag, Nils A., and G. A. Hansen, Christiania, Norway. Franking or stamping apparatus for letters or the like.....	774,761	Nov. 15	2392	516	113	569
Krah, Alexis, New Haven, Conn. Drawing-board.....	769,441	Sept. 6	533	130	112	135
Krakau, Harry T., assignor to National Malleable Castings Company, Cleveland, Ohio. Draft-rigging. (Reissue.).....	12,875	Oct. 18	3417	741	112	1736
Krakau, Harry T., and H. F. Pope, assignors to National Malleable Castings Company, Cleveland, Ohio. Draft-rigging.....	758,973	May 3	781	156 157	110	181
Krakow, Henry O., Dubuque, Iowa. Water-closet.....	754,573	Mar. 15	2732	595	109	631
Kram, John B. (See D'Estes and Kram.)						
Kramer, Christian, New York, N. Y. Fire-escape.....	770,012	Sept. 13	1668	354	112	394

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Kramer, Emil M., Cissnapark, Ill. Conveyer mechanism for handling grains	752,688	Feb. 23	3624	806	108	1898
Kramer, Emil M., Cissnapark, Ill. Grain-separator	762,639	June 14	2028	438	110	1896
Kramer, Emil M., Cissnapark, Ill. Grain-conveyer	769,947	Sept. 13	1545	329	112	365
Kramer, Emil M., Cissnapark, Ill. Grain-separator	769,948	Sept. 13	1547	330	112	366
Krantz, Erwin, Berlin, Germany. Means for suspending incandescent bodies	763,678	June 28	4073	886	110	2384
Kramer, Frank J., et al. (See Kneisly, Daniel W., assignor.)				827		
Kramer, George H., et al. (See Kneisly, Daniel W., assignor.)				1251	109	1305
Kramer, Hans von, Bath, England. Electric resistance	756,119	Mar. 29	5669	1251	109	1305
Kramer, J. B. (See Wilson, Frank E., assignor.)						
Kramer, John A., Winigan, Mo. Harness-saddle	773,756	Nov. 1	425	93, 94	113	100
Kramer, Judson A., Marion, Iowa. Ledger	758,976	May 3	784	158	110	181
Kramer, Judson A., Marion, Iowa. Clip for flower-pots	778,786	Dec. 27	4573	1001	113	2464
Kramer, William F., Dayton, Ohio. Motor-vehicle	772,463	Oct. 18	2540	558	112	1546
Krantz, Hubert, New York, N. Y. Outlet-box	749,442	Jan. 12	1844	384	108	494
Krantz, Hubert, New York, N. Y. Receptacle and attachment-plug	752,456	Feb. 16	3154	703	108	1777
Krantz, Hubert, New York, N. Y. Conduit for electrical conductors	753,714	Mar. 1	961	217	109	207
Krantz, Hubert, Brooklyn, N. Y. Electrical switch mechanism	755,141	Mar. 22	3791	835	109	881
Krantz, Hubert, and E. W. Müller, assignors to H. Krantz Manufacturing Company, Brooklyn, N. Y. Electrical connector	778,681	Dec. 27	4389	959	113	2423
Krapp, Hugo. (See Lovekin, Young, and Krapp.)						
Krastin, Paul, and W. S. Quigley, Philadelphia, Pa. Chuck for holding articles to be dressed	777,111	Dec. 13	1294	286	113	1730
Kratochvil, Emil, Králov Dvůr, Austria-Hungary. Apparatus for cleansing the gases of blast-furnaces, generators, &c.	777,112	Dec. 13	1296	286	113	1731
Kratoville, Charles P., Riverhead, N. Y. Commercial package for cigars	756,656	Apr. 5	877	191	109	1529
Kratt, Albert. (See Gage and McClish, assignors.)						
Kratz, John A., Baltimore, Md. Folding car-step	775,366	Nov. 22	3690	783	113	891
Kraus, Benjamin. (See Links and Kraus.)						
Kraus, Benjamin, and A. Links, San Francisco, Cal. Combined chalk holder and sharpener	777,346	Dec. 13	1736	384	113	1827
Kraus, Burnie, Pittsburg, Pa. Rail-joint	760,337	May 17	3489	734	110	818
Kraus, Edward L., Slattington, Pa. Lock	767,292	Aug. 9	3359	493	111	1581
Kraus, Edward L., Slattington, Pa. Scholar's companion	767,293	Aug. 9	3361	494	111	1582
Kraus, Julius, Cuyahoga Falls, Ohio. Power-hammer and rock-drill	749,906	Jan. 19	2928	625	108	688
Kraus, Otto, New York, N. Y. Garment-supporter	772,620	Oct. 18	2836	623	112	1609
Kraus, Otto, assignor to M. Cohn and Company, New York, N. Y. Stay-tipping machine	766,149	July 26	4505	963	111	1019
Kraus, Samuel, assignor to Eagle Pencil Company, New York, N. Y. Display rack or holder	769,616	Sept. 6	910	197	112	206
Krause, Charles, Detroit, Mich. Machine for rolling cloth	758,322	Apr. 26	4232	909	109	2305
Krause, Elmer J. (See McClintock, Krause, and Beebe.)						
Krause, Erich, assignor of one-fifth to H. and R. Kürten, Hoboken, N. J. System of electrical propulsion	751,557	Feb. 9	2007	454	108	1505
Krause, Friedrich, Jersey City, N. J. Making diamond draw-plates	751,180	Feb. 2	739	169	108	1215
Krause, Friedrich, Hoboken, N. J. Apparatus for setting diamonds for industrial purposes	757,318	Apr. 12	2213	484	109	1831
Krause, Richard, Berlin, Germany. Wire-drawing die	776,072	Nov. 29	5141	1066	113	1238
Krause, William B., et al. (See Graf, Robert R., assignor.)						
Krauss, Louis, near Gypsum, Kans. Everter for reapers	748,754	Jan. 5	372	84	108	82
Krauss, Louis, Gypsum, Kans. Draft-equalizer for reapers	763,293	June 21	3314	717	110	2199
Krauth, Albert, Hamilton, Ohio. Music-stand	763,004	June 21	3758	598	110	2077
Krauth, Albert, Hamilton, Ohio. Autographic register	766,325	Aug. 2	260	50	111	1098
Krauth, Albert, Hamilton, Ohio. Autographic register	766,326	Aug. 2	262	50, 51	111	1098
Krauth, Albert, Hamilton, Ohio. Autographic register	766,327	Aug. 2	264	51	111	1099
Krauth, Albert, Hamilton, Ohio. Autographic register	766,328	Aug. 2	266	51	111	1099
Krauth, Albert, Hamilton, Ohio. Roll-holder for autographic registers	772,943	Oct. 25	3482	755	112	1767
Krawitzky, Nathan, New York, N. Y. Means for operating sewing or other machines	769,700	Sept. 13	1077	231	112	262
Kray, John A., assignor of one-half to H. F. Myers, Lancaster, Pa. Trap counting apparatus	764,066	July 12	1591	325	111	364
Kray, John A., assignor of one-half to D. M. Rothenberger, Lancaster, Pa. Electrical counting apparatus	768,067	Aug. 30	5213	1095	111	2270
Kray, John A., assignor of three-fourths to D. M. Rothenberger, Lancaster, J. W. Eshleman and T. B. Himes, Mount Joy, Pa. Hermetically-sealed jar	769,171	Sept. 6	67	18	112	16
Krema, John F., Chicago, Ill. Power-transmission device	749,988	Jan. 19	2971	572	108	631
Kreatz, Frederick E., St. Cloud, Minn. Plumb-level	765,847	July 29	3919	836	111	892
Krebs, Arthur, assignor to Société Anonyme des Anciens Etablissements Panhard et Levasor, Paris, France. Device for lubricating motors and machinery driven thereby	752,566	Feb. 16	3361	749	108	1823
Krebs, Arthur, assignor to Société Anonyme des Anciens Etablissements Panhard et Levasor, Paris, France. Apparatus for controlling the speed of motor-car engines	757,815	Apr. 19	3217	699	109	2063
Krebs, Arthur, assignor to Société Anonyme des Anciens Etablissements Panhard et Levasor, Paris, France. Screw-propeller	766,953	Aug. 9	1710	358	111	1441
Krebs, Arthur C., assignor to Sté. Ame. des Anciens Etablissements Panhard et Levasor, Paris, France. System of equilibrium for motors	778,542	Dec. 27	4122	898	113	2365
Krebs, August E. (See Bloom and Krebs.)						
Krebs, Charles E. (See Wetton, Thomas F., assignor.)						
Krebs, Charles M., New Albany, Ind. Parquetry floor	764,948	July 12	2153	447	111	490
Krebs, Charles M., New Albany, Ind. Parquetry floor	764,949	July 12	2160	448	111	490
Krebs, Emil, Elwood, Ind. Lamp-burner attachment	753,405	Mar. 1	340	77	109	76
Krebs, John P., Millvale, Pa. Rope or cable clamp	778,048	Dec. 20	3157	694	113	2138
Kreepor, Maurus B., New Orleans, La. Spoon-holder	778,044	Dec. 27	4048	882	113	2348
Kreider, Enos H., Lancaster, Pa. Bottle-filling machine	766,046	July 26	4297	919	111	872
Kreimer, August G., Cincinnati, Ohio. Crutch	761,506	May 31	5812	1242	110	1362
Kreimer, Joseph, Piqua, Kans. Sash-cord support	751,858	Feb. 9	2008	454	108	1505
Krein, Franz, Sr. (See Dietrich, Lorenz, assignor.)						
Krein, Franz. (See Giesel, Henry, assignor.)						
Kreitzer, Charles. (See Deaver, Thompson, Kreitzer, and Deaver.)						
Krekelen, Louis F. (See Lovejoy, George W., assignor.)						
Krell, Conrad, Wiesbaden, Germany. Form for washing gloves	763,406	June 28	3573	771	110	2278

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Kremetz, George, Newark, N. J. Button-fastener	752,293	Feb. 16	2844	631	108	1710
Kremer, Christoph, Frankfort-on-the-Main, Germany. Apparatus for the recovery of fats or the like	751,303	Feb. 2	999	226	108	1270
Kremer, Michael J., assignor of one-half to M. M. E., and L. Silberstein, Davenport, Iowa. Wash-tub-joint	749,693	Jan. 12	2323	490	108	539
Krengel, Ernest E., Nezperce, Idaho. Automatic brake for vehicles	774,084	Nov. 1	1097	234	113	248
Krentler-Arnold Hinge Last Company. (See Brigham and Trufant, assignors.)						
Krentler-Arnold Hinge Last Company. (See Krentler, Edwin O., assignor.)						
Krentler-Arnold Hinge Last Company. (See Krentler, George A., assignor.)						
Krentler Brothers Company. (See Fym, Charles F., assignor.)						
Krentler, Edwin O., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last-support	754,405	Mar. 8	2384	520	109	537
Krentler, George A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last	764,894	July 12	2045	422	111	463
Krepp, Peter, Pittsburg, Pa. Lathe	761,507	May 31	5813	1242	110	1363
Krepp, Peter, Pittsburg, Pa. Retapping or not-sizing machine	769,093	Aug. 30	6060	1268	111	2461
Kresse, C. M. (See Stoughton, William B., assignor.)						
Kress, John, New Rochelle, N. Y. Guard-covering for third rails of electric railways	758,977	May 3	785	158	110	181
Kress, John, New Rochelle, N. Y. Trolley-guard for electric railways	774,524	Nov. 8	1894	411 412	113	439
Kress, Joseph F., W. Loshelder, H. O. Gross, and H. Loshelder, Jr., Pittsburg, Pa. Bracket	770,590	Sept. 20	2767	586	112	658
Kress, Willits A., Arkansas City, Kans. Advertising sign	773,874	Nov. 1	685	143	113	158
Kresse, Charlie W., Latham, Ill. Traction-wheel	762,325	June 14	1377	297	110	1759
Kressler, William H. (See Puterbaugh and Kressler.)						
Kreter, Otto, San Antonio, Tex. Coin-controlled vending-machine	758,339	Apr. 26	4651	1001	109	2399
Kreter, William, New York, N. Y. Piano-action	773,019	Oct. 25	3626	793	112	1779
Kretschmar, Robert E., Newark, assignor to J. A. Browne, East Orange, N. J. Suspensory attachment for garters	777,028	Dec. 6	1141	248	113	1681
Kretschmer, Albert E., Lebanon, Kans. Window-shade cabinet	755,017	Dec. 21	3579	785	109	833
Kretzinger, George W. (See Wilson, David H., assignor.)						
Kreusler, Herman, Brooklyn, N. Y. Electric-lighting system for cars	769,094	Aug. 30	6064	1268	111	2461
Kreuter, Hugh E., Nickelplatt, Ind. Reversible pivot	746,623	Jan. 5	139	33	108	32
Kridelbaugh, John O., Hynes, Iowa. Combined shade and curtain holder	773,474	Nov. 22	3926	829	111	943
Kriebe, Hosea K., Philadelphia, Pa. Pipe-hanger	763,987	July 5	116	19	113	33
Krieg, Christian U., Sr., Nashville, Tenn. Portable waiting-station	765,017	July 12	2373	472 473	111	513
Krieger, Alfred W., Las Vegas, N. Mex. Ter. Rod-packing	771,430	Oct. 4	491	98	112	1048
Krieger, Gustavus, Brooklyn, N. Y. Ankle-supporting shoe	757,816	Apr. 19	3219	699	109	2064
Krieger, Louis, Courbevoie, France. Electrically-propelled vehicle	752,689	Feb. 23	3627	807	108	1899
Krientz, Alfred J., assignor of two-thirds to H. G. Ruenzel and E. H. Mundt, Milwaukee, Wis. Garment-clasp	754,462	Mar. 15	2513	548	109	584
Krigbaum, Wilfred T. (See Alkus, Sinclair, and Krigbaum.)						
Rippender, Charles H. (See Fowler and King, assignors.)						
Krober, Thilo (See Jagerspacher and Krüber.)						
Kroder, John, New York, N. Y. Curtain-pole	761,508	May 31	5815	1243	110	1363
Kroebel, William C. (See Ehrhardt, William, assignor.)						
Krogh, Carl A. (See Krogh, Ferdinand W. and C. A.)						
Krogh, Ferdinand W., San Francisco, Cal. Device for protecting the joints between stationary and movable machinery	752,170	Feb. 16	2591	576	108	1652
Krogh, Ferdinand W. and C. A., San Francisco, Cal. Pump	753,986	Mar. 8	1539	343	109	356
Krohn, Irwin M., et al. (See Oertly, John, assignor.)						
Krohn, John, Barborton, Ohio, assignor to National Drill and Manufacturing Company, Chicago, Ill. Machine for making and repairing rods	753,277	Mar. 1	116	28	109	28
Krohn, John, Barborton, Ohio, assignor to National Drill and Manufacturing Company, Chicago, Ill. Machine for making and repairing rods	759,620	May 10	2108	432 433	110	494
Kroll, Philip J., New York, N. Y. Massage-machine	754,463	Mar. 15	2515	548	109	584
Krom, Edgar, New York, N. Y. Cabinet	765,494	July 19	3210	671	111	730
Kromer, Emanuel, Newark, Ohio. Valve mechanism	752,400	Feb. 16	3054	678	108	1756
Kromer, Emanuel, Newark, Ohio. Reversing-valve for steam-engines	752,401	Feb. 16	3056	678 679	108	1756
Kron, Rudolf, Goltzern, Germany. Ring-spinning frame	762,640	June 14	3025	438	110	1896
Kron, Rudolf, Goltzern, Germany. Rolling up small strips of short-fiber material to magazine-rolls	762,641	June 14	3027	438	110	1897
Kron, Rudolf, Jr., Goltzern, Germany. Manufacture of rolls of short-fiber material suitable for twisting and spinning	762,914	June 21	2600	562	110	2041
Kron, Rudolf, Goltzern, Germany. Producing yarn from magazine-rolls of short-fiber material in a moist condition	776,474	Nov. 29	5909	1247	113	1403
Kronauer, Max, Paterson, N. J. Lock-bar pipe	773,945	Nov. 1	529	174	113	191
Kronauer, Max, Paterson, N. J., assignor to T. A. Gillespie Company. Construction of pipe-joints	769,442	Sept. 6	594	130	112	135
Krone, Johannes, assignor to F. Krupp, Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pivot-gun	757,129	Apr. 12	1840	402	109	1751
Krone, William F., St. Louis, Mo. Paper-file	776,247	Nov. 29	5488	1162	113	1307
Kronenberg, Rudolf, Ohligs, Germany. Perforating or punching apparatus	749,303	Jan. 12	1543	328	108	371
Kroning, Georgiana E., Porterville, Cal. Combined whip-socket and rein-holder	778,628	Dec. 27	4389	959	113	2423
Kronke, Emil, Dresden, Germany. Photographic camera	759,114	May 3	1044	212	110	237
Kronvall, Karl G., Chicago, Ill. Range	749,304	Jan. 12	1544	328	108	371
Krotz, Alvaro S., Springfield, Ohio. Rubber tire	769,172	Sept. 6	69	18	112	16
Krotz, Alvaro S., assignor of one-half to P. A. Staley, Springfield, Ohio. Rubber tire	769,909	June 25	4532	988	110	2451
Krotz, Alvaro S., assignor of one-half to P. A. Staley, Springfield, Ohio. Automobile	773,575	Nov. 1	86	17, 18	113	25
Krouchouk, Michel, Paris, France. Electric vacuum discharge-tube	751,304	Feb. 2	1000	226 227	108	1270
Kroyer, John M., assignor to Samson Iron Works, Stockton, Cal. Crude-oil generator	764,531	July 5	1234	362	111	280
Krueger, Albert M., Cleveland, Ohio. Rotary engine	773,649	Nov. 1	2183	47	113	32
Krueger, Charles, Wausau, Wis. Leader for threshing-machine straw-carriers	751,657	Feb. 9	1613	367	108	1420
Krueger, Hermann F., Brownton, Minn. Traction-engine wheel	749,068	Jan. 5	1046	220 221	108	241
Krueger, Max C., Chicago, Ill., assignor, by mesne assignments, to Magneto Electric Company, Amsterdam, N. Y. Electric heater or rheostat	759,722	May 10	2291	475	110	535
Krüger, Friedrich, Berlin, Germany. Manufacture of fireproof bricks or material	751,080	Feb. 2	548		108	1179
Krüger, Hermann, et al. (See Wishart, William, assignor.)						
Krüger, Ludwig, Sonderburg, Germany. Magnetic curtain for covering leaks in ships	770,078	Sept. 13	1769	375	112	417

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Krum, Charles L. (See Pearne and Krum.)						
Krumpelmann, Hermann J., Datteln, Germany. Barrel-hoist	768,808	Aug. 30	5478	1153	111	2930
Krumscheid, Peter, Boston, Mass. Piano-forfe-action	768,910	June 28	4534	889	110	2482
Krupp, Aktiengesellschaft, Fried. (See Haase, Albert, assignor.)						
Krupp, Aktiengesellschaft, Fried. (See Krone, Johannes, assignor.)						
Krupp, Aktiengesellschaft, Fried. (See Mayer, Wilhelm, assignor.)						
Krupp, Aktiengesellschaft, Fried. (See Ulrich, Wilhelm, assignor.)						
Krupp, Aktiengesellschaft, Fried. (See Wieser, Karl, assignor.)						
Krupp, Benjamin S., Saginaw, Mich. Making photographic screens	768,758	Aug. 30	5388	-----	111	2310
Krupp, Fried. (See Behnke, Otto, assignor.)						
Krupp, Fried. (See Kurig, Josef, assignor.)						
Krupp, Fried. (See Lauber, Otto, assignor.)						
Krupp, Fried. (See Lauber and Koch, assignors.)						
Krupp, Fried. (See Melau, Franz, assignor.)						
Krupp, Fried. (See Rausenberger, Fritz, assignor.)						
Krupp, Fried. (See Resow and Lauber, assignors.)						
Krupp, Fried. (See Wieser, Karl, assignor.)						
Krus, Charles P., Chicago, Ill. Fish-hook	755,677	Mar. 29	4785	1065	109	1108
Kruschke, Frederick C., Berlin, Wis. Music-chart	777,793	Dec. 20	2602	575	113	2028
Kruse, Alfred T., Lodi, assignor, by mesne assignments, to American Steel Package Company, Defiance, Ohio. Packing-case	771,372	Oct. 4	303	67	112	1026
Kruse, Peter F., Sioux City, Iowa. Mouthpiece for musical instruments	776,785	Dec. 6	638	141	113	1567
Kryder, Frank L., et al. (See Bolte, Frank H., assignor.)						
Kryszat, Albert, Berlin, Germany. Concentric valve for compressor-pumps	758,183	Apr. 26	3934	854	109	2240
Krzyzanowski, Joseph, and S. Wysocki, Juszowka, Russia. Electrically-controlled trap-door for mines or tunnels	772,661	Oct. 18	2911	639	112	1635
Kubierschky, Martin T. A., and P. E. Herkner, Berlin, Germany. Suspension of trolley-wires	768,606	Aug. 30	5082	1067 1068	111	2243
Kubon, William M., Minneapolis, Minn. Manifolding sales-book	748,755	Jan. 5	374	84	108	83
Kucera, George. (See Kucera, John and G.)						
Kucera, John and G., Western, Nebr. Windmill	773,020	Oct. 25	3629	784	112	1799
Küch, Richard, assignor to Firm of W. C. Heraeus, Hanau, Germany. Electric heating apparatus	749,304	Jan. 12	334	286	108	327
Küchenmeister, Edmund O., Zittau, Germany. Basket for centrifugal machines	748,756	Jan. 5	374	85	108	83
Kuck, Henry G., et al. (See Morgan, Alfred W., assignor.)						
Kuckelkorn, Hubert, and E. Saupé, Erfurt, Germany. Photographic developing apparatus	752,986	Feb. 23	4227	942	108	2033
Kuebler, Gustav, Saginaw, Mich. Oven	771,877	Oct. 11	1314	296 297 998	112	1254
Kuebler, John M., Wausau, Wis. Woodworking-lathe	768,466	Aug. 23	4765	999 1000	111	2157
Kuechenmeister, H., et al. (See Morton, Ellis S., assignor.)						
Kuechenmeister, J. H., et al. (See Morton, Ellis S., assignor.)						
Kuechle, Edward. (See Axman and Kuechle.)						
Kuen, Charles W., Chicago, Ill. Ticket-punch	775,303	Nov. 23	3553	749	113	859
Kuenneth, George W., New York, N. Y. Jacquard mechanism for looms	751,927	Feb. 9	2139	482 483 483	108	1534
Kuenzel, Charles A., Brooklyn, N. Y. Apparatus for producing combustible gas from petroleum-oil or other hydrocarbon fluid	764,601	July 12	1448	235 236	111	338
Kuenzel, Christopher, Springfield, Mass. Cannon-pinion for watches	768,289	Aug. 23	4406	925	111	2072
Kuenzel, Christopher, Springfield, Mass. Watch-movement	768,290	Aug. 23	4407	925	111	2072
Kuenzinger, Joseph G., et al. (See Ruehs, Charles L., assignor.)						
Kugel, Max, Wiesdorf, near Cologne, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Green anthracene dye	775,367	Nov. 22	3698	-----	113	892
Kugel, Max, Wiesdorf, near Cologne, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Blue anthracene dye	775,368	Nov. 22	3699	-----	113	892
Kugel, Max, Wiesdorf, near Cologne, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Green-blue anthraquinone dye	775,369	Nov. 22	3700	-----	113	892
Kügelgen, Franz von, and G. O. Seward, Holcombs Rock, Va. assignors to Wilson Aluminum Company, New York, N. Y. Decarburizing metals or alloys	771,645	Oct. 4	840	-----	112	1139
Kügelgen, Franz von, and G. O. Seward, Holcombs Rock, Va. assignors to Wilson Aluminum Company, New York, N. Y. Obtaining metals	771,646	Oct. 4	841	189	112	1139
Kugler, Clarence B., and A. Morrison, assignors of one-third to R. W. Peterson, Philadelphia, Pa. Garbage-digester	773,150	Oct. 25	4045	857	112	1899
Kuhl, Julius L., St. Paul, Minn., and G. A. Schmidt, Quedlinburg, Germany. Safety device on trains	766,631	Aug. 2	1002	210 211	111	1264
Kuhlemann, Friedrich, Budapest, Austria-Hungary. Hollow india-rubber article used as a toy	754,148	Mar. 8	1837	410	109	432
Kuhlewind, Cornelius, assignor to Kuhlewind Governor Company, Pittsburg, Pa. Valve-governor for engines	758,010	Apr. 19	3585	777	109	2144
Kuhlewind, Cornelius, Knoxville, assignor to Kuhlewind Governor Company, Pittsburg, Pa. Valve-governor for engines	758,011	Apr. 19	3587	777 778	109	2145
Kuhlewind Governor Company. (See Kuhlewind, Cornelius, assignor.)						
Kuhlman, F. J. (See Gregersen, John A., assignor.)						
Kuhlman, Henry V., assignor of one-half to G. A. Woodman, Chicago, Ill. Journal-bearing	775,660	Nov. 22	4335	914 915	113	1033
Kuhlman, William H., Beardstown, Ill. Wire-fence tightener	766,954	Aug. 9	1711	358	111	1441
Kuhlmann, Frederick J., assignor to J. A. Kuhlmann, Cincinnati, Ohio. Air lift-pump	776,601	Dec. 6	267	59	113	1489
Kuhlmann, Julia A. (See Kuhlmann, Frederick J., assignor.)						
Kuhn, Edmond. (See Bartel and Kuhn.)						
Kuhn, Edmond, East Orange, N. J., assignor to E. and G. Bunzl, New York, N. Y. Pedometer	770,644	Sept. 20	2866	608	112	679
Kuhn, Jacob, Pittsburg, assignor of one-fourth to A. Eisenrath, Allegheny, Pa. Wrench	757,307	Apr. 12	1983	432	109	1783
Kuhn, Robert, Detroit, Mich. Motor vehicle	739,999	May 17	2846	595	110	675
Kuhn, Robert, assignor to United Electric Heating Co., Detroit, Mich. Electric heater	756,242	Apr. 5	100	21	109	1363
Kuhn, Samuel H., Colfax, assignor of one-half to S. R. Holbert, Fairmont, W. Va. Fruit-picker	767,702	Aug. 16	3160	661	111	1777
Kühne, Paul, New York, N. Y. Machine for making metallic lathing	754,707	Mar. 8	1702	378	109	391
Kühne, Paul, New York, N. Y. Concrete-steel construction	773,327	Oct. 25	4409	936	112	1978
Kuhry, John F., and C. A. Youngren, Sioux City, Iowa. Burglar-alarm	773,650	Nov. 1	216	48	113	52
Kujawski, Francis P., et al. (See Guzowski, Joseph, assignor.)						
Kulage, Joseph J., St. Louis, Mo. Heat-radiator and ventilator	775,393	Nov. 22	3611	765 766	113	872
Kules, Leo, South Lorain, Ohio. Wrench	762,537	June 14	1829	393	110	1854

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Kuhánek, Jan, Prague, Austria-Hungary. Stairway	768,759	Aug. 30	5389	1135	111	2310
Kuhánek, Jan, Prague, Austria-Hungary. Construction of walls, &c	778,389	Dec. 27	4221	920	113	2385
Kull, Bertha, Avalon, Pa. Corset	735,888	Mar. 29	5228	1156	109	1211
Kulow, William, assignor to Columbia Pottery and Manufacturing Company, Kokomo, Ind. Water-closet	755,498	Mar. 22	4440	986	109	1017
Kulp, Joseph C., Farmingdale, N. J. Heating-drum for oil-stoves	778,683	Dec. 27	4390	960	113	2424
Kunath, Edward F., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar construction for type-writers or the like	752,077	Feb. 16	2430	544	108	1616
Kunath, Edward F., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar construction for type-writers or the like. (Reissue)	12,252	Aug. 2	1387	289	111	1351
Kuncl, Charles F. (See Novak, Edward, assignor.)						
Kundtz, Theodor, Cleveland, Ohio. Desk	761,892	June 7	566	113	110	1566
Kuné, Frederick G., New York, N. Y. Water-purifying apparatus	769,749	Sept. 13	1166	251	112	281
Kuné, Frederick G., New York, N. Y. Water-purifier	769,750	Sept. 13	1167	252	112	282
Kuner, Maximilian, Denver, Colo. Apparatus for making vinegar	777,905	Dec. 20	2877	634	113	2083
Kunkel, John W., Lazearville, and C. Robinson, Wellsburg, W. Va. Jar	770,971	Sept. 27	3516	742	112	848
Kunkle, Daniel, Greensburg, Pa. Washer	735,588	Mar. 1	716	160	109	156
Kunneke, George H., New York, N. Y., assignor to New Jersey Wire Cloth Company, Trenton, N. J. Centering-support	751,181	Feb. 2	741	170	108	1216
Kunz, Emil, Chicago, Ill. Heat-safe	749,205	Jan. 12	1388	287	108	327
Kunzinger, Philip. (See Miller and Kunzinger.)						
Kunzman, C. Harry, Louisville, Ky. Plant-support	760,879	May 24	4573	975	110	1073
Kupfrevier, Paul, Brion, Austria-Hungary. Window with sliding sashes	777,347	Dec. 13	1737	885	113	1827
Kupsch, Hermann, assignor to A. F. Johnson, Chicago, Ill. Faucet or cock	761,973	June 7	708	145	110	1584
Kurpees, James F., Louisville, Ky. Machine for closing friction-top cans	765,184	July 19	2384	540	111	594
Kurig, Josef, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Gun-sight	769,617	Sept. 6	911	197	112	207
Kurka, Richard, Frankfurt-on-the-Main, Germany. Filter plant	766,955	Aug. 9	1712	359	111	1442
Kurlfinke, Henry A., San Francisco, Cal. Apparatus for boiling hams	759,451	May 10	1775	359	110	421
Kursheddt Manufacturing Company. (See Waltzfelder, Albert S., assignor.)						
Kürten, Hans, et al. (See Krause, Erich, assignor.)						
Kürten, Rosa, et al. (See Krause, Erich, assignor.)						
Kurth, Carl, Magdeburg, Germany. Cartridge	767,570	Aug. 16	2915	609	111	1724
Kurth, Hans, assignor to one-half S. Y. Connell, Portland, Oreg. Hulling-machine	769,095	Aug. 30	6066	1269	111	3462
Kurtz, John A. (See Hess, Herman, assignor.)						
Kurtz, John W., San Francisco, Cal. Telephone	768,185	Aug. 23	4196	882	111	2025
Kurtz, Lucy J., Davenport, Iowa. Flat-iron heater	770,591	Sept. 20	2768	587	112	658
Kurtz, Paul, et al. (See Birkenstam, Christoph F., assignor.)						
Kurtz, William J., McKeesport, Pa. Rod-bending machine	775,774	Nov. 22	4538	963	113	1077
Kurz, August W., assignor to W. B. White, Cleveland, Ohio. Catch-basin receiving-head	774,846	Nov. 15	2571	553	113	607
Kurzman, Samuel, New York, N. Y. Cart-cover	750,467	Jan. 26	3797	825	108	995
Kurzweilner, Adalbert, Zuckmantel, near Teplitz, Austria-Hungary. Method of avoiding loss of heat in furnaces	760,633	May 24	4072	866	110	866
Kusel, George C., Devon, Pa. Artificial tooth	772,104	Oct. 11	1798	399	112	1360
Kussner, Margaret. (See Chigor, Amalie von, assignor.)						
Kuthe, Eugen, Fröbeln, assignor to Främbis and Freudenberg, Schweidnitz, Germany. Belt-shifter	755,678	Mar. 29	4787	1065	109	1108
Kuthe, Eugen, Fröbeln, assignor to Främbis and Freudenberg, Schweidnitz, Germany.						
Kutz, Louis J., Cleveland, Ohio. Furniture-lock	762,915	June 21	2601	563	110	2042
Kuyk, Karel J., Mont St. Amand, Belgium. Belt-shifter	769,949	Sept. 13	1549	392	112	366
Kuyper, James C., Rock Valley, Iowa. Anti-side-draft attachment for harvesters	771,478	Oct. 4	503	114	112	1066
Kwiatkowski, Edward L., Philadelphia, Pa. Projectile	765,779	Jan. 26	3800	810	111	866
Kwiatkowski, Louis F., New York, N. Y. Making artificial brick or stone	760,338	May 17	3491	735	110	819
Kyle, Edmund M., North Belle Vernon, Pa. Double-reciprocating-dasher churn	775,222	Nov. 15	3335	113	739	
Kyle, John, Newark, N. J. Printer's register-hook	755,773	Mar. 22	4226	984	109	973
Kyle, Robert C., Columbus, Ohio. Frame for plastic beams	776,248	Nov. 29	5488	1162	113	1307
Kyle, Robert C., assignor to International Fence & Fire Proofing Company, Columbus, Ohio. Fireproof floor construction	778,416	Dec. 27	3889	847	113	2315
Kyle, William J., assignor to Keystone Telephone Company, Philadelphia, Pa. Electrical testing apparatus	754,574	Mar. 15	2734	595	109	631
Kypke, Louis, Waterloo, Wis. Fence-post	772,944	Oct. 25	3483	756	112	1767
L. Schreiber & Sons Company. (See Kaw, Max, assignor.)	768,231	Aug. 23	4292	903	111	2046
L. Schreiber & Sons Company. (See Schreiber, Charles C., assignor.)						
L. A. Thompson Scenic Railway Company. (See Thompson, La Marcus A., assignor.)						
L. C. Smith and Bros. Typewriter Company. (See Gabrielson, Carl, assignor.)						
L. E. Knott Apparatus Company et al. (See Wynne, Philip H., assignor.)						
L. S. Starrett Company. (See Starrett, Laroy S., assignor.)						
La Barr, Leslie M., Forest City, Pa. Third-rail system	770,911	Sept. 27	3397	717	112	815
La Belle Iron Works. (See La Voo, George W., assignor.)						
La Belle, Peter, Anderson, Ind. Knob attachment	752,623	Feb. 16	2491	778	108	1852
La Belle, Peter, Anderson, Ind. Lock	752,624	Feb. 16	2493	778	108	1852
La Bonté, Adolphus, Worcester, Mass. Apparatus for flushing water-closets	761,509	May 31	5816	1243	110	1363
La Breche, Alphonse, Jefferson, S. D. Stock-waterer	777,856	Dec. 30	3770	608	113	2082
La Bud, August C. and H. J. Barton, Oakbar, Cal. Gold-separator	754,697	Mar. 15	2998	633	109	665
La Burt, John. (See Burt, John, assignor.)						
La Burt, John and D. M. P. Campbell, New York, N. Y.; said La Burt assignor to himself, C. D. Bradley and A. L. Eliel, Parlin, N. J. Marking-brush	752,078	Feb. 16	2432	544	108	1617
La Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz. (See Millet, Laurent, assignor.)						
La Cour, Dan, Copenhagen, Denmark. Electrostatic relay	749,775	Jan. 19	2509	534	108	507
La Cour, Jens L. (See Bragstad and La Cour.)						
La Court, Peter, Clinton, Mass. Motor for portable tools	769,751	Sept. 13	1169	252	112	282
La Dow, Charles, Albany, N. Y. Vehicle-body hanger	754,149	Mar. 8	1838	410	109	423
La Dow, Charles, Albany, N. Y. Governing the flight of multimissile projectiles	776,918	Dec. 6	910	196	113	1627
La Dow, Charles, Albany, N. Y. Means for controlling the flight of multimissile projectiles	776,919	Dec. 6	912	196	113	1627
La Dow, Charles, Albany, N. Y. Means for concentrating multimissile projectiles	776,920	Dec. 6	914	196	113	1628
La Dow, Charles, Albany, N. Y. Wad for multimissile charges	776,921	Dec. 6	915	197	113	1628
La Dow, Charles, Albany, N. Y. Controlling the flight of charges of shot or other projectiles	777,029	Dec. 6	1142	248	113	1681
La Dow, Charles, Albany, N. Y. Means for governing the flight of multimissile projectiles	777,030	Dec. 6	1145	249	113	1681

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La Dow, Charles, Albany, N. Y. Wad to effect and control spreading of multimissile charges.....	777,031	Dec. 6	1146	249	113	1682
La Dow, Charles, Albany, N. Y. Device for controlling flight of multimissile projectiles.....	777,032	Dec. 6	1148	249	113	1682
La Fountain, Maxim, Jr., Lawrence, assignor to Davis & Furber Machine Company, North Andover, Mass. Napping-machine.....	756,029	Mar. 29	5501	1213 1214	109	1269
La Har, Ellsworth A., New Britain, assignor to Hart Manufacturing Company, Hartford, Conn. Electric switch.....	776,855	Dec. 6	798	173	113	1602
La Londe, William S., Chicago, Ill. Toy riding-horse.....	768,760	Aug. 30	5389	1135	111	2310
La May, Frank B., assignor to Caldwell Manufacturing Company, Rochester, N. Y. Manicure implement.....	775,568	Nov. 22	4141	871	113	990
La Mere, Louis L. (See Hoff, Edwin H., assignor.).....						
La Monte, Mary. (See Chandler, George H., assignor.).....						
La Munyon, Herbert W., Dumont, Colo. Door-check.....	758,980	May 3	788	159	110	182
La Prise, Henry, assignor to Will & Baumer Company, Syracuse, N. Y. Confessional service.....	761,307	May 31	5459	1159	110	1280
La Rue, William G., et al. (See Foote, Franklin S., assignor.).....	776,188	Nov. 29	5361	1135	113	1278
La Société Anonyme d'Electricité et d'Automobiles Mors. (See Rochefort, Octave, assignor.).....						
La Société Anonyme le Carbone. (See Street, Ernest A. G., assignor.).....						
La Société des Caves et des Producteurs Reunis de Roquefort. (See Trillat, Jean A., assignor.).....						
La Société Française de la Viscose. (See Naudin, Laurent, assignor.).....						
La Société Nouvelle des Établissements de l'Horne et de La Buire. (See Deries and Umbach, assignors.).....						
La Société Quenard Frères et Fils. (See Quenard, Emile, assignor.).....						
La Sor, William A. (See Dove and La Sor.).....						
La Sor, William A., Rahay, M. J., and C. M. Smith, New York, N. Y. Paper-sitting device for folding-machines.....	751,185	Feb. 2	747	171 172	108	1217
La Touche, James N. D., Berhampur, Bengal, India. Indicator for type-writers.....	755,502	Mar. 22	4445	988	109	1017
La Voo, George W., Steubenville, Ohio. Screw-threading and welding thread-protectors, &c.....	751,859	Feb. 9	2009	454	108	1505
La Voo, George W., Steubenville, Ohio. Apparatus for screw-threading and welding rings.....	751,860	Feb. 9	2010	455	108	1505
La Voo, George W., Steubenville, Ohio. Apparatus for rolling rings.....	751,861	Feb. 9	2011	455	108	1506
La Voo, George W., Steubenville, Ohio. Apparatus for welding rings.....	766,863	Aug. 2	443	94	111	1134
Laasko, William, San Francisco, Cal. Drawer-guide.....	768,492	June 28	3736	803	110	2310
Laas, Edward, Elgin, and H. H. Sponenburg, Wadsworth, Ill. Railway-rail stay.....	757,754	Apr. 19	3999	675	109	2037
Laas, Edward, Elgin, and H. H. Sponenburg, Wadsworth, Ill. Railway-rail stay.....	758,978	May 3	786	158	110	182
Laas, Edward, Elgin, and H. H. Sponenburg, Wadsworth, Ill. Railway-rail stay.....	760,129	May 17	8104	649	110	733
Labadie, William D., South Bend, Ind. Rotary engine.....	766,707	Aug. 2	1166	242	111	1301
Labarthe, Louis P. (See Mollere, Mederic C., assignor.).....						
Labelle, Arthur, Montreal, Canada. Snow-plow.....	768,607	Aug. 30	5084	1068	111	2244
Labelle, Louis V., St. Jacques de l'achigan, Canada. Record-making apparatus for weighing-scales.....	761,082	May 31	5012	1063 1064	110	1185
Labonté, Paul V., and I. Guertin, Manchester, N. H. Warp stop-motion for looms.....	765,495	July 19	3211	671	111	730
Lacaille, Louis, Peely, Mont. Screen.....	771,647	Oct. 4	843	189	112	1139
Lacene Manufacturing Company. (See Nichols, Elmer P., assignor.) (Reissue.).....						
Lacey, Michael, Seattle, Wash. Apparatus for raising sunken vessels.....	775,370	Nov. 23	3701	786	113	802
Lacey, Robert R., Detroit, Mich. Hatch-cover.....	763,493	June 28	3728	804	110	2310
Lachman, Maurice, London, England, assignor to Pressed Metal Manufacturing Company. Hub for wheels.....	775,979	Nov. 29	4969	1048 1049	113	1187
Lachmann, Robert A., Chicago, Ill. Gage.....	750,204	Jan. 19	3301	713 714	108	765
Lachmann, Robert A., Chicago, Ill. Drill-sleeve.....	768,186	Aug. 23	4199	883	111	2026
Lachmann, Robert A., Chicago, Ill., assignor to A. Liebman, New York, N. Y. Check-holder.....	762,916	June 21	2601	563	110	2042
Lack, Samuel, Berkeley, Cal. Composing-stick tilter.....	769,443	Sept. 6	596	130	112	135
Lackey, Hiram R. (See Becker, Charles J., assignor.).....						
Lackey, Robert A., Oakpark, Ill., assignor to C. H. Occumpaugh, Rochester, N. Y. Door-check.....	759,621	May 10	3110	483 1192	110	495
Lackner, Louis, New York, assignor of one-half to F. C. Dilthey, Rockville Center, N. Y. Horse-boot.....	776,334	Nov. 29	5628	1193	113	1337
Lackner, John J., and A. J. Curtis, East Williamson, N. Y. Trolley-pole contact.....	774,085	Nov. 1	1098	234	113	248
Lackovic, Michael A., administrator. (See Lackovic, Therese.).....						
Lackovic, Therese, deceased; M. A. Lackovic, Denver, Colo., administrator. Desiccating potatoes.....	759,115	May 3	1047	212	110	238
Lackovic, Therese, deceased; M. A. Lackovic, Denver, Colo., administrator. Apparatus for desiccating potatoes.....	766,269	Aug. 2	267	52	111	1099
Lacoin, Auguste E. G. M., Paris, France. Necktie-band fastener.....	751,305	Feb. 2	1001	227	108	1270
Lacoin, Louis, Paris, France. Automobile.....	763,494	June 28	3721	804	110	2311
Lacy, Benjamin F., Pekin, Ill. Abdominal supporter and truss.....	772,105	Oct. 11	1799	399	112	1361
Lacy, James, and S. W. Rogers, Mena, Ark. Railway-gate.....	777,518	Dec. 13	3062	454	113	1897
Ladd, Hermon W., Boston, assignor to G. E. Smith, trustee, Everett, Mass. Means for determining the nautical bearing of navigable vessels.....	749,094	Jan. 12	2324	490	108	539
Ladd, James B., Wayne, Pa., and D. Baker, Newton, Mass. Grab-bucket.....	776,854	Dec. 6	796	172 173	113	1602
Ladd, John H., Fontanella, Nebr. Wire-stretcher.....	767,897	Aug. 16	3532	173	111	1859
Ladd, John S., Boston, Mass. Piston.....	774,186	Nov 8	1277	271	113	306
Ladd, William C., Mendota, Ill. Ball-clamp.....	759,533	Nov 10	1936	396	110	459
Ladd, William W., Seattle, Wash. Projecting kinoscope.....	777,381	Dec. 13	1802	399 400	113	1841
Ladewig, Fred, assignor of one-half to L. Brill, Chicago, Ill. Paraffining-machine.....	778,049	Dec. 20	3158	694 695	113	2139
Ladson, Calhoun T. (See Barry, Mack C., assignor.).....						
Ladwig, August, Milwaukee, Wis. Skim-gate for molds.....	772,720	Oct. 18	3040	666	112	1653
Lafauille, Jules C. F., Paris, France. Centrifugal molding-machine.....	775,371	Nov. 22	3702	788	113	893
Lafferty, Harry C., Allegheny, Pa. Dust-guard.....	751,306	Feb. 2	1002	227	108	1270
Lafferty, Jacob W., near Mechanicsburg, Ohio. Field-leveler.....	752,079	Feb. 16	2433	544	108	1617
Lafferty, James W., Kansas City, Kans. Car-brake.....	764,067	July 12	1592	325	111	364
Laffey, William J. (See Lerch, Frederick J., assignor.).....						
Laffitte, Marius P., Chihuahua, Mexico. Non-refillable bottle.....	766,861	Aug. 2	441	98	111	1137
Lafin & Rane Powder Company. (See Aspinwall, Henry C., assignor.).....						
Lafort, Jean, Etiole, France. Shuttle-brake.....	762,642	June 14	2028	439	110	1897
Lafortune, Peter, Southbridge, Mass. Eyeglass-frame.....	760,000	May 17	2848	595	110	676

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Lafrentz, Julius A., <i>et al.</i> (See Alexander, Jesse, assignor.)						
Laganke, Charles F., Cleveland, Ohio, assignor to Elliott-Fisher Company, New York, N. Y. Type-writing machine.	778,454	Dec. 27	3965	{ 863 864 }	113	2330
Lagarde, Jules, Clermont-Ferrand, France. Type setting or composing machine.	757,319	Apr. 12	2215	{ 484 485 }	109	1831
Lager, Carl, Baldwinville, N. Y. Centrifugal dredging-pump.	778,590	Dec. 27	4222	920	113	2385
Lagerman, Alexander, Jönköping, Sweden. Pneumatic sheet-feeder.	758,453	Apr. 26	4478	{ 62 63 }	109	2360
Lagerman, Alexander, Jönköping, Sweden, assignor, by mesne assignments, to Diamond Match Company, New York, N. Y. Machine for inserting match-splints into perforated blocks, &c., and removing them therefrom	761,773	June 7	313	{ 63 64 }	110	1509
Lagonda Manufacturing Company. (See Weinland, Henry F., assignor.)						
Lahey, Richard, New York, N. Y., and E. Graffius, Sault Ste. Marie, Mich. Machine for use in connection with derricks	769,264	Sept. 6	246	{ 57, 58 755 }	112	53
Laible, Philip D., Newark, N. J. Bottle-washing machine.	755,018	Mar. 22	3580	{ 756 757 }	109	833
Laible, Philip D., Newark, N. J. Box or container for bottled beverages	758,369	Apr. 26	4319	927	109	2324
Laird, Daisy C., Des Moines, Iowa. Thread holding and cutting attachment for spools	752,845	Feb. 23	3915	877	108	1961
Laird, William H. (See Bonneville, Arthur A. de, assignor.)						
Laird, William H. (See Harrison, Newton, assignor.)						
Laitner, Edward A., Detroit, Mich. Brush	750,243	Apr. 5	101	22	109	1363
Lajoie, Jules P., Paris, France. Fluid-pressure motor	752,232	Feb. 16	2716	601	108	1693
Lake, Albert, Washington, D. C. Mold for artificial stone	763,679	June 28	4075	897	110	2394
Lake, Emma V., Philadelphia, Pa. Garment-hook	752,457	Feb. 16	3155	703	108	1777
Lake, Frank A., and C. E. Haefer, assignors to Cassopolis Manufacturing Company, Cassopolis, Mich. Means for adjusting grain-drills, cultivators, or like implements	770,372	Sept. 20	2359	{ 497 498 }	112	568
Lake, John C., Brooklyn, N. Y. Motive-power apparatus	770,468	Sept. 20	2523	537	112	603
Lake, Robert G., Corona, N. Y. Window-shade sign	751,307	Feb. 2	1004	237	108	1271
Lake Shore and Michigan Southern Railway Company. (See Reid, Robert H., assignor.)						
Lake, Simon, Bridgeport, Conn. Ballast-compartment for submarine boats.	754,222	Mar. 8	1985	442	109	453
Lake, Simon, Bridgeport, Conn. Sighting or observing tube for vessels.	754,464	Mar. 15	2517	{ 548 549 }	109	584
Lake, Simon, Bridgeport, Conn. Storage-battery construction	755,142	Mar. 22	3793	835	109	882
Lake, Simon, Bridgeport, Conn. Submarine boat	756,080	Mar. 29	5503	1214	109	1270
Lake, Simon, Bridgeport, Conn. Sighting-tube for vessels	759,622	May 10	2111	433	110	495
Lake, Simon, Bridgeport, Conn. Working vessel	760,457	May 24	3718	788	110	857
Lake, William H., Memphis, Tenn. Horseshoe	764,950	July 12	2163	445	111	491
Lake, William H., Memphis, Tenn. Horseshoe	774,187	Nov. 8	1378	271	113	306
Lakin, Robert B. (See Pinch, Frank, assignor.)						
Lally, John, Waltham, Mass. Valve	770,811	Sept. 27	3212	677	112	775
Lally, Michael, North Lawrence, Ohio. Mail-bag crane	753,501	Mar. 1	521	121	109	114
Lamanna, Agostino, Baltimore, Md. Cement	772,523	Oct. 18	2657	112	112	1570
Lamargese, Carlo, Rome, Italy. Case-hardening	765,706	July 26	3616	111	111	851
Lamb, Amherst G., Torrington, Conn., assignor to Domestic Sewing Machine Company, Newark, N. J. Shuttle-bobbin	774,188	Nov. 8	1279	271	113	306
Lamb, Charles E., Galena, Kans. Calipers	769,908	Sept. 13	1461	312	112	347
Lamb, Dana W., assignor of one-half to G. Fair, Pontiac, Mich. Potato or fruit sorter	770,079	Sept. 13	1770	375	112	417
Lamb, Edward M., River Rouge, assignor to Perfection Manufacturing Company, Detroit, Mich. Sorting machine	770,235	Sept. 13	2071	435	112	482
Lamb, Elden P., assignor to Camden Anchor-Rockland Machine Company, Rockland, Me. Vaporizer for hydrocarbon-engines	776,406	Nov. 29	5768	1221	113	1371
Lamb, Ernest G., Camden, Me. Sheer-pole support	748,960	Jan. 5	784	170	108	178
Lamb, Frank H., Hoquiam, Wash. Gripping device	758,880	Apr. 26	4080	885	109	2373
Lamb, George L., Nappanee, Ind. Sweeping-brush	758,082	Apr. 26	3744	814	109	2196
Lamb, Isaac W., assignor to Perry Glove and Mitten Company, Perry, Mich. Knitting-machine	753,715	Mar. 1	961	218	109	207
Lamb, James H., Boston, Mass., assignor to J. Greenberg, New York, N. Y. Envelop.	774,086	Nov. 1	1099	234	113	248
Lamb, John, and J. Arpp, Jr., Middletown, Ohio. Valve device	762,538	June 14	1829	393	110	1855
Lamb & Tilden. (See Kendrick, Henry M., assignor.)	750,865	Feb. 2	157	97	108	1092
Lamb, Tillman J. (See George, William T., assignor.)						
Lamb Wire Fence Company. (See Hoxie, Vernon, assignor.)						
Lambe, James S., St. Louis, Mo. Non-refillable bottle	770,502	Sept. 20	2602	551	112	621
Lambert, Adelard, Manchester, N. H. Curtain-bracket	750,055	Jan. 19	3947	653	108	711
Lambert, Albert F. (See Hanson and Lambert.)						
Lambert, Asher, Newark, N. J. Bull-wheel for revolving derricks	762,066	June 7	875	180	110	1627
Lambert, Frank, Brooklyn, N. Y. Water-meter	764,602	July 12	1450	296	111	334
Lambert, Frank, Brooklyn, N. Y. Water-meter	764,603	July 12	1451	296	111	334
Lambert, Frank, Brooklyn, N. Y. Water-meter	764,604	July 12	1453	297	111	334
Lambert, Frank, Brooklyn, N. Y. Water-meter	764,605	July 12	1454	297	111	334
Lambert, Frank, New York, N. Y. Water-meter	765,144	July 12	2511	524	111	562
Lambert, George A., Anderson, Ind. Check device for vehicle-poles	758,979	May 3	788	158	110	182
Lambert, Isidor. (See Oullie, Adrien, assignor.)						
Lambert, John C., Tonica, Ill. Axle-oiler	760,215	May 17	3274	687	110	770
Lambert, John W., assignor to Buckeye Mfg. Co., Anderson, Ind. Speed-controlling valve for gas or gasoline engines	753,147	Feb. 23	4511	1006	108	2095
Lambert, John W., assignor to Buckeye Manufacturing Company, Anderson, Ind. Friction-gearing	761,384	May 31	5605	1193	110	1314
Lambert, Robert W., Toledo, assignor, by mesne assignments, to Delphos Can Company, Delphos, Ohio. Oil-can pump	764,731	July 12	1715	351	111	391
Lambert, Robert W., Toledo, assignor, by mesne assignments, to Delphos Can Company, Delphos, Ohio. Oil-can pump	764,732	July 12	1717	351	111	391
Lambert Snyder Company. (See Snyder, Lambert, assignor.)						
Lamborn, Leonard A., Scottsville, Kans. Stack.	771,648	Oct. 4	844	{ 199 199 }	112	1139
Lambotte, Emile, Salina, Kans. Musical instrument	752,080	Feb. 16	2435	545	108	1618
Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Single-phase alternating-current power system	758,667	May 3	117	25	110	31
Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Single-phase alternating-current motor	758,668	May 3	127	26	110	32
Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush-holder for electrical machines	758,669	May 3	128	26	110	32
Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Utilizing single-phase alternating-current energy	759,183	May 3	1174	239	110	267
Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controlling apparatus for electrically-propelled railway-vehicles	765,185	July 19	2585	541	111	595

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Lamme, Benjamin G., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current electric motor	775,334	Nov. 22	3613	766	113	873
Lamont, Robert P., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam	749,567	Jan. 12	2091	434	108	490
Lamont, Robert P., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam	766,362	Aug. 2	442	94	111	1137
Lamont, Robert P., assignor to Simplex Railway Appliance Company, Chicago, Ill. Car-truck	774,437	Nov. 8	1724	370	113	403
Lamoreaux, Louis. (See Racicot and Lamoreaux.)						
Lamos, Stephen D., Longlake, N. Y. Snow-plow	751,182	Feb. 2	743	170	108	1216
Lamos, Stephen D., Longlake, N. Y. Snow-plow	751,183	Feb. 2	744	170	108	1216
Lamotte, John B. (See Lamotte, Joseph G. and J. B.)						
Lamotte, Joseph G. and J. B., Worcester, Mass. Sifting attachment for grates	769,950	Sept. 13	1550	330	112	366
Lamoureux, Edmond, Woonsocket, assignor of two-thirds to L. Goulet and E. Marcotte, Manville, R. I. Float-detecting shuttle	754,658	Mar. 15	2898	634	109	665
Lampe, Herman W., Springfield, Mo., and J. Hummel, Redtop, Pa. Grain-carrier for harvesters	767,416	Aug. 16	2597	547	111	1651
Lampe, Otto, Baden-Baden, Germany. Fire-escape	777,735	Dec. 20	2491	549	113	2006
Lampel, Henry. (See Wildmann, Adolph, assignor.)						
Lamphier, Edward A., Kalamazoo, Mich. Case or satchel	767,898	Aug. 16	3533	748	111	1859
Lamphier, Wilbur C., Worcester, Mass. Electric signal for railways	773,080	Oct. 25	3830	818	112	1847
Lamping, Thomas J., Moline, Ill. Stopper for bottles	753,780	July 26	3801	810	111	866
Lampitt, Edwin A., Pekin, Ill. End-gate for wagons	750,376	Jan. 26	3632	788	108	859
Lamp'it, Paul J., Wiesbaden, Germany. Apparatus for molding and casting printing-type	765,365	July 19	2934	613	111	671
Lamplough, Frederick, Willesden, England. Muffler for internal-combustion engines	778,417	Dec. 27	3890	848	113	2315
Lamson Consolidated Store Service Company. (See Fordyce, Edmond A., assignor.)						
Lamson, John D. R. (See Huyck and Lamson.)						
Lamson, John D. R., Toledo, Ohio. Pencil	775,493	Nov. 22	3951	885	113	949
Lanahan, Thomas. (See Vance and Lanahan.)						
Lancaster, Charles F., and J. D. Andrews, Petoskey, Mich. Vent for churns	760,693	May 24	4197	891	110	992
Lancaster, Edward W., Westminster, England. Bath	760,540	May 24	3881	823	110	925
Lancaster, George W., Petersburg, Va. Railway-crossing	777,424	Dec. 13	2486	414	113	1858
Lancaster, Harry C. (See Poisson, Joseph, assignor.)						
Lancaster, Joseph H. (See Lancaster, Ralph and J. H.)						
Lancaster, Ralph and J. H., East Orange, N. J. Vehicle-wheel	775,009	Nov. 15	2894	618	113	684
Lancaster, Samuel C., Jackson, Tenn. Dumping-wagon	771,255	Oct. 4	70	16	112	977
Lancaster, Samuel C., Jackson, Tenn. Dumping-wagon	771,256	Oct. 4	73	16	112	977
Lancey, Roswell A., and C. W. Smith, assignors to A. D. Fessenden, Townsend, Mass. Barrel-finishing machine	755,374	Mar. 22	4228	935	109	974
Lancey, Roswell A., and C. W. Smith, assignors to A. D. Fessenden, Townsend, Mass. Mechanism for finishing the ends of barrels	758,670	May 3	129	26, 27	110	32
Land, Cincinatus H., Knoxville, Tenn., assignor to Draper Company, Hopedale, Mass. Filling-carrier for automatic feeder-looms	764,606	July 12	1456	397	111	334
Land, Martin R., Norfolk, Va. Match-safe	751,308	Feb. 2	1005	228	108	1271
Land, Rector E., Mount Washington, Mo. Railway block-signal system	778,418	Dec. 27	3891	848	113	2315
Landau, Adolph, New York, N. Y. Jewelry-protector	764,951	July 12	2163	448	111	491
Landau, Adolph, New York, N. Y. Safety device for scarf-pins, studs, &c.	770,592	Sept. 20	2768	587	112	658
Landauer, Nathan E. (See Valentine, Joseph M. and E., assignors.)						
Land, Thomas J., New York, N. Y. Device for making bromid enlargements	767,571	Aug. 16	2916	610	111	1724
Landenberger, Charles H., Jr., Philadelphia, Pa. Device for reclaiming and retaining sea-beaches	762,727	June 14	2211	480	110	1935
Landenberger, Gustav A., Philadelphia, Pa. Straight-knitting machine	758,671	May 3	131	27, 28	110	33
Landenberger, Gustav A., Philadelphia, Pa. Stop-motion for knitting-machines	760,998	May 24	4806	1032	110	1122
Lander, Leroy O., Lisabuela, Wash. Lifting-jack	751,309	Feb. 2	1007	228	108	1271
Landers, Frary and Clark. (See Munson, Samuel R., assignor.)						
Landers, Frary and Clark. (See Garrigus, Clarence G., assignor.)						
Landers, Frary and Clark. (See Smith, Charles F., assignor.)						
Landers, John, Lebanon, N. H. Overalls	763,407	June 28	3574	771	110	2278
Landers, John D., Winnipeg, Canada. Train-signal	755,113	Mar. 22	3735	835	109	882
Landers, Thomas H., and W. N. Jackson, Carrollton, Ga. Window-lock	759,384	May 10	1649	334	110	393
Landes, Henry M., Sacramento, Cal. Stepper attachment for automobiles	777,260	Dec. 13	1560	347	113	1788
Landtear, William R., New York, N. Y. Receiving instrument for printing-telegraph systems	765,978	July 26	4156	887	111	945
Landgraf, Fred K., Pittsburg, Pa. Internal-combustion engine	761,510	May 31	4518	1243	110	1364
Landgraf, William F. (See Cahill and Landgraf.)						
Landis, Abraham B., Waynesboro, Pa. Change-speed gearing	771,077	Sept. 27	3733	787	112	888
Landis, Abraham B., Waynesboro, Pa. Shutter-fastener	771,078	Sept. 27	3735	787	112	889
Landis, Abraham B., Waynesboro, Pa. Work-rest for grinding-machines	771,079	Sept. 27	3737	787	112	889
Landis, Andrew J. (See Miesse and Landis.)						
Landis, Edward M., Brillhart, Pa. Plow attachment	758,981	May 3	789	159	110	182
Landis, Israel L., Chicago, Ill. Hasp-latch	751,653	Feb. 9	1615	367	108	1420
Landis, Israel L., Chicago, Ill. Gate	752,233	Feb. 16	2717	602	108	1683
Landis, Israel L., Chicago, Ill. Structure-guard	760,499	May 24	4808	1032	110	1122
Landis, Israel L., Chicago, Ill. Composite post	774,438	Nov. 8	1725	370	113	403
Landis, Israel L., Chicago, Ill. Building-block mold	775,980	Nov. 29	4970	1049	113	1187
Landis, John F. F., York, Pa. Nut-lock	767,294	Aug. 9	3262	494	111	1582
Landis Machine Company. (See Pedersen, Christian, assignor.)						
Landis, Percy M. (See Conly, Le Roy G., assignor.)						
Landis, Samuel K., Mount Joy, Pa. Storm-carriage	777,959	Dec. 20	2981	654	113	2104
Landmann, Phil, et al. (See Wacker, Eugen, assignor.)						
London, A. Archer, Buffalo, N. Y. Double-acting reciprocating motor	773,261	Oct. 25	4281	906	112	1951
London-Sharp Machine Co. (See Frankenberg, Frederick G., assignor.)						
Landreth, Annie B., Bristol Pa. Fountain-brush	755,628	Apr. 19	2859	623	109	1986
Landsberg, Herman, assignor of one-fourth to I. H. Harris, New York, N. Y. Lock	767,067	Aug. 9	1930	402	111	1488
Landsing, Jang, Brooklyn, N. Y. Electric rail-bond	755,889	Mar. 29	5229	1156	109	1211
Landsing, Jang, Rockville Center, assignor to G. J. Kremelberg, New York, N. Y. System and apparatus for flushing	761,236	May 31	5310	1127	110	1250
Lane, Almeron M., Meriden, Conn. Clock-case	758,454	Apr. 26	4479	963	109	2360
Lane, Almeron M., Meriden, Conn. Intermittent-alarm clock	775,010	Nov. 15	2895	618	113	684

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Lane, Almeron M., Meriden, Conn. Dial for timepieces.	776,856	Dec. 6	800	173	113	1602
Lane, Annie M., Lakeside, Cal. Plant-protector.	757,045	Apr. 12	1673	962	109	1714
Lane, Charles H., Cleveland, Ohio. Brush-holder for air-separators.	771,020	Sept. 27	3622	762	112	865
Lane, Edward, Kansas City, Mo. Furnace.	773,328	Oct. 25	4413	937	112	1979
Lane, Edward, Kansas City, Mo. Steam-boiler.	776,664	Dec. 6	395	85	113	1516
Lane, Edwin, Johnstown, Pa. Toy.	771,649	Oct. 4	846	190	112	1140
Lane, Edwin J., London, England. Safety-gear for ironing-machines.	773,651	Nov. 1	217	48, 49	113	53
Lane, Frank, Carthage, and O. E. Oakes, Joplin, Mo. Steam-engine.	756,657	Apr. 5	578	192	109	1529
Lane, Frederic A., assignor to D. H. Burrell & Company, Littlefalls, N. Y. Toy savings-bank.	777,906	Dec. 20	2878	634	113	2083
Lane, Frederick W. (See Klingsmith and Lane.)						
Lane, George. (See Lane, William J. and G.)						
Lane, George, Poughkeepsie, N. Y. Store-service ladder.	755,499	Mar. 22	4441	987	109	1017
Lane, George, Poughkeepsie, N. Y. Motor-vehicle.	766,830	Aug. 9	1466	307	111	1387
Lane, George, Poughkeepsie, N. Y. Door-hanger.	773,757	Nov. 1	427	94	113	101
Lane, George, Haverford, Pa. Sod-cutter.	764,058	July 5	287	55	111	65
Lane, George M., Brooklyn, N. Y. Car-signaler.	752,081	Feb. 16	2436	545	108	1618
Lane, George M., assignor of three-fourths to J. Ackerman, J. D. Carton, and B. Albertson, Asbury Park, N. J. Electric-arc lamp.	770,373	Sept. 20	2360	498	112	568
Lane, Giles A., Bronco, Ga. Plow.	750,985	Feb. 2	377	91	108	1141
Lane, Henry D., et al. (See Curtis, J. Harrison, assignor.)						
Lane, John F., Buffalo, assignor of two-thirds to W. M. Marshall, Angola, and R. E. Gavin, Buffalo, N. Y. Card-board stainer.	772,464	Oct. 18	2543	559	112	1547
Lane, John H., and E. D. Allen, assignors to Peninsular Stove Company, Detroit, Mich. Stove.	768,052	Aug. 23	3893	817	111	1956
Lane, Julius S. (See Purdy and Lane.)						
Lane, Moses, Frankford, Pa. Boot for horses.	761,511	May 31	5820	1244	110	1364
Lane, Richard, Boston, Mass. Avrins.	764,245	July 5	678	138	111	151
Lane, Spencer B., Waterbury, Conn. Glove-fastener.	772,158	Oct. 11	1910	423	112	1383
Lane Steam Packing Company. (See Burroughs and Ellis, assignors.)						
Lane, William H. (See Jarvis and Lane.)						
Lane, William J. and G., Poughkeepsie, N. Y. Motor-vehicle.	753,589	Mar. 1	717	161	109	156
Lane, William J. and G., Poughkeepsie, N. Y. Motor-vehicle.	753,590	Mar. 1	718	161	109	157
Laney, George C., Kamas, Utah. Gate-opener.	754,876	Mar. 15	3318	724	109	759
Laney, Thomas C., Toledo, and C. S. Longnecker, Delta, Ohio. Electric signaling device.	755,890	Mar. 29	5231	1159	109	1211
Laney, Zachariah D. (See Witt and Laney.)						
Lang, Charles P., Duquesne, Pa. Wrench.	775,084	Nov. 15	3046	647	113	720
Lang, Frank S., Nome, Alaska. Dry closet.	765,582	July 19	3358	705	111	761
Lang, Johan G. V., assignor of one-half to E. H. Johnson, London, England. Means for regulating electric motors.	767,154	Aug. 9	2105	499	111	1527
Lang, Johan G. V., assignor of one-half to E. H. Johnson, London, England. Means for regulating electric motors.	767,155	Aug. 9	2109	440	111	1527
Lang, Johan G. V., assignor of one-half to E. H. Johnson, London, England. Regulating electric motors.	767,350	Aug. 9	2461	516	111	1604
Lang, Johan G. V., assignor of one-half to E. H. Johnson, London, England. Regulating electric motors.	767,351	Aug. 9	2463	517	111	1604
Lang, Richard, McKeesport, Pa. Splice-bar for lock rail-joints.	756,380	Apr. 5	386	79	100	1428
Langdale, William G., Milford, Ohio, and R. J. Nowlin, Lawrenceburg, Ind. Fan attachment for rocking-chairs.	753,148	Feb. 23	4513	1006	108	2096
Langdon-Davies, Walter. (See Soames and Langdon-Davies.)						
Langdon, John W., Walla Walla, Wash. Fountain attachment for pens.	762,728	June 14	2213	490	110	1936
Lange, Arthur, Dresden, Germany. Tray for glasses.	774,479	Nov. 8	1804	391	113	420
Lange, Ernst, Cronenberg, Germany. Screw-cutting machine.	772,362	Oct. 18	2339	513	112	1502
Lange, Friedrich. (See Wundsch and Lange.)						
Lange, Henry G., Chicago, Ill. Candy-fattening machine.	757,472	Apr. 19	2523	553	109	1910
Lange, Louis, New York, N. Y. Vehicle-wheel.	756,658	Apr. 5	880	192	109	1530
Lange, Richard, Glashütte, Germany. Balance-spring stud.	772,106	Oct. 11	1800	399	112	1361
Langell, Edward J. and F. A., New Baltimore, Mich. Heat-radiating drum.	756,970	Apr. 12	1510	333	109	1679
Langell, Frank A. (See Langell, Edward J. and F. A.)						
Langen, George, assignor to Cincinnati Planer Co., Cincinnati, Ohio. Gearing shaft with changeable speed.	771,373	Oct. 4	305	68	112	1026
Langenbach, Edward A., assignor to Berger Manufacturing Company, Canton, Ohio. Sidewalk.	758,184	Apr. 26	3986	854	109	2240
Langenhof, Herman F., New York, N. Y. Grate.	778,050	Dec. 20	3160	595	113	2139
Langer, Emil, Neustadt-am-Rhein, assignor to F. Lederer, Vienna IX, Austria-Hungary. Circular-knitting machine.	761,385	May 31	5606	1194	110	1314
Langer, Theodor, Lucerne, Switzerland. Steam-generator.	777,736	Dec. 20	2498	550	113	2006
Langerfeld, Arthur, Scranton, Pa. Separating lump material.	753,591	Mar. 1	720	161	109	157
Langerfeld, Arthur, Scranton, Pa. Separator.	753,592	Mar. 1	723	162	109	157
Langford, John T., Newton, Mass. Machine for lining pipes.	750,660	Jan. 26	4154	901	108	967
Langford, Noah, Tidwell, Tex. Combined cotton chopper and cultivator.	753,890	Mar. 8	1349	304	109	311
Langford, Samuel S., Craig, Nebr. Brick-logs.	764,059	July 5	289	56	111	66
Langos, George, New York, N. Y. Tent-bed.	765,018	July 12	2275	473	111	513
Langruth, Charles, assignor of two-thirds to G. C. Hunt and L. J. Mitchell, Chicago, Ill. Soap-mold.	769,173	Sept. 6	70	18	112	17
Langill, Charles H., assignor to Boston and Lockport Block Co., Boston, Mass. Diaphragm force-pump.	761,591	May 31	5962	1278	110	1396
Langill Fountain Pen and Brush Company. (See Langill, John E., assignor.)						
Langill, John E., New York, N. Y. Filter.	773,946	Nov. 1	831	174	113	191
Langill, John E., New York, N. Y., assignor to Langill Fountain Pen and Brush Company, Jersey City, N. J. Fountain marking device.	753,593	Mar. 1	727	162	109	158
Langlais, Alonzo, Montreal, Canada. Steam-engine.	775,905	Nov. 22	4213	887	113	1007
Langos, Otto. (See Zimmermann and Langos.)						
Langstaff, William, Bay City, Mich. Voting-machine.	777,721	Oct. 18	3043	667	112	1653
Langstaff, Lewis G., New York, N. Y. Vessel for dispensing liquids.	777,425	Dec. 13	1878	414	113	1858
Langstroth, John A., Oakland, Cal. Wave-motor.	748,757	Jan. 5	375	85	108	83
Langtry, Walter. (See Tousley, Edgar A., assignor.)						
Langworthy, Solon M., Cedar Rapids, Iowa. Vertebral stretcher.	776,335	Nov. 29	5629	1193	113	1387
Lanier, Howard S., Danville, Va. Overalls.	755,781	Mar. 29	5019	1116	109	1160

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Lanigan, Pierce, Grey Lynn, New Zealand. Machine for cutting and shaping stone.....	749,937	Jan. 19	2819	602	108	664
Lanius, Kinsey, Denver, Colo., assignor, by mesne assignments, to E. Roscoe, Philadelphia, Pa. Amalgamator and concentrator.....	755,330	Mar. 22	3947	874	109	912
Lankford, Jerome J., Accomac, Va. Plumb-level.....	753,149	Feb. 23	4516	1006	108	2096
Lankford, Jerome J., Accomac, Va. Lock for cell-doors.....	753,150	Feb. 23	4517	1007	108	2097
Lauman, Henry A., Columbus, Ohio. Fifth-wheel construction.....	755,231	Mar. 22	3951	875	109	913
Lanning, James K., trustee. (See Church, Benjamin S., assignor.).....						
Lanouette, Exelophas, Fitchburg, Mass. Ironing-board.....	765,496	July 19	3213	672	111	781
Lanouette, Philias, Fitchburg, Mass. Shade-roll bracket.....	767,899	Aug. 16	3533	748	111	1859
Lanphear, Lewis C., assignor to M. E. Carr, Boston, Mass. Means for ventilating cars.....	770,759	Sept. 27	3087	655	112	746
Lanphear, Charles W., Norwich, assignor to Coal Dealers Supply Co., Binghamton, N. Y. Chute and bag support for vehicles.....	760,634	May 24	4073	866	110	966
Lanphear, Charles W., Norwich, assignor to Coal Dealers Supply Company, Binghamton, N. Y. Wagon-box.....	765,985	July 12	2407	501	111	580
Lanphear, Charles W., Norwich, assignor to Coal Dealers Supply Company, Binghamton, N. Y. Bag holder or stand.....	765,388	July 19	2975	633	111	693
Lanphier, Frederick W., Chicago, assignor of one-half to J. W. Farley, Lagrange, Ill. Foreign-gas extractor for refrigerating systems.....	768,379	Aug. 23	4614	966	111	2125
Lauston Monotype Machine Company. (See Bancroft, John S., assignor.).....						
Lauston Monotype Machine Company. (See Indahl, Mauritz C., assignor.).....						
Lauston Monotype Machine Company. (See Vold, Lars H., assignor.).....						
Lanyon, Robert H. (See Brambach, Aloys, assignor.) (Reissue.).....						
Lanzendorf, George, Boston, Mass. Fashioned textile fabric and producing same.....	767,068	Aug. 9	1923	402	111	1486
Lapham, Stephen F., Pike, N. Y. Combined screw driver and holder.....	766,270	Aug. 2	359	52	111	1100
Lapisse, Emile, Elbeuf, France. Device for protecting pneumatic tires.....	770,680	Sept. 13	1773	375	112	417
Lapointe, Stanislas S., Hartford, Conn. Alarm for refrigerator drip-pans.....	753,799	Mar. 1	1159	261	109	249
Laporte, George, St. Felix de Valois, Canada. Acetylene-gas generator.....	757,402	Apr. 12	2381	518	109	1865
Lapp, John F. (See Miller, Harry G., assignor.).....						
Lapp, Valentin, Leipzig, Germany. Coating internal walls of metal fermenting and storing vessels.....	750,986	Feb. 2	379	-----	108	1141
Lapp, Valentin, Leipzig, Germany. Grain-germinating apparatus.....	758,083	Apr. 26	3745	814	109	2196
Lapp, Valentin, Leipzig, Germany. Treating storage vessels.....	766,506	Aug. 2	743	-----	111	1203
Lapp, Valentin, Lindenau, near Leipzig, Germany. Steeping grain.....	755,144	Mar. 22	3796	839	109	882
Lapp, Valentin, Lindenau, near Leipzig, Germany. Causing the germination of grain.....	761,237	May 31	5314	1138	110	1250
Lapp, Valentin, Lindenau, Germany. Carrying through the fermentation of bottom-fermented beer under pressure.....	766,271	Aug. 2	271	52	111	1100
Laramie, Mitchel, Wilimantic, Conn. Animal-trap.....	750,661	Jan. 26	4157	102	108	967
Large, Mary L., Clifton Springs, N. Y. Corset.....	767,572	Aug. 16	2978	610	111	1725
Largie, Peter, Granby, Canada. Molding apparatus.....	755,574	Mar. 22	4575	1018	109	1046
Larimer, Charles S., assignor to Cement Tile Works, Sac City, Iowa. Circular mold for making tiling, &c.....	760,745	May 24	4330	917	110	1018
Larimer, John J., Chicago, Ill. Combined door spring and check.....	767,295	Aug. 9	2964	494	111	1582
Larkin, Bernard H., Austin, Ill., assignor to American Can Company, Jersey City, N. J. Sheet-metal band for pipe-coverings or other like purposes.....	755,679	Mar. 29	4788	1065	109	1108
Larkin, Bernard H., Austin, Ill., assignor to American Can Company, Jersey City, N. J. Sheet-metal display can or box.....	764,296	July 5	777	159	111	172
Larkin, Bernard H., Austin, Ill., assignor to American Can Company, Jersey City, N. J. Sheet-metal display can or box.....	764,297	July 5	779	159	111	172
Larkin, Dennis F., San Francisco, Cal. Whetstone-case.....	751,659	Feb. 9	1617	367	108	1420
Larkin, Eli H., St. Louis, Mo. Forming coal briquets.....	770,503	Sept. 20	2603	-----	112	621
Larkin, John D. (See Smith, William R., assignor.).....						
Larkin, Patrick H. (See Bennett, William S., assignor.).....						
Larmer, Bertha, et al. (See Good, Thomas L., assignor.).....						
Larmer, Charles E., et al. (See Good, Thomas L., assignor.).....						
Larmer, Claude, et al. (See Good, Thomas L., assignor.).....						
Larmer, Edgar, et al. (See Good, Thomas L., assignor.).....						
Larned, Sherwood J., Chicago, Ill., assignor to American Telephone and Telegraph Company. Coin-controlled telephone apparatus.....	751,081	Feb. 2	548	128	108	1179
Larned, Sherwood J., and J. S. Ford, Chicago, Ill., assignors to American Telephone and Telegraph Company. Locking device for telephone apparatus.....	749,388	Jan. 12	1721	364	108	410
Larose, Hermas, Vercheres, Canada. Baling-press.....	763,005	June 21	2758	598	110	2077
Larrabee Automobile and Manufacturing Company. (See Larrabee, Charles E., assignor.).....						
Larrabee, Charles E., San Francisco, Cal., assignor to Larrabee Automobile and Manufacturing Company. Motor-propelled vehicle.....	751,660	Feb. 9	1617	367	108	1420
Larrabee, Clinton E. (See Peterson, Snyder, and Larrabee.).....						
Larrabee, Frank H., South Portland, Me. Tray.....	773,652	Nov. 1	220	49	113	53
Larrabee, James O., Oakland, Cal. Umbrella-rib connection.....	755,500	Mar. 22	4443	987	109	1017
Larrabee, William H., assignor to Union Water Meter Company, Worcester, Mass. Meter-register.....	760,001	May 17	2849	596	110	676
Larrabee, William H., assignor to Union Water Meter Company, Worcester, Mass. Meter-coupling seal.....	770,812	Sept. 27	3214	677	112	775
Larrabee, William H., assignor to Union Water Meter Company, Worcester, Mass. Current water-meter.....	771,650	Oct. 4	847	190	112	1140
Larrison, William H., assignor of one-half to W. F. Thacher, Florence, N. J. Collapsible core-spindle.....	766,765	Aug. 2	1276	272	111	1325
Larrowe, Lewis M., assignor of one-half to J. C. Randall, Muncie, Ind. Building-block.....	765,086	July 12	2409	501	111	539
Larry, Nicholas H., Champaign, Ill. Wagon-bed.....	772,722	Oct. 18	3045	667	112	1654
Larry, Nicholas H., Champaign, Ill. Conveyer.....	774,256	Nov. 8	1899	299	113	332
Larsen, Andru, Chicago, Ill. Hoof-pad.....	751,184	Feb. 2	745	170	108	1217
Larsen, August. (See Wennersten, John P., assignor.).....						
Larsen, Ivert. (See Armstrong, Robert G., assignor.).....						
Larsen, Ivert, Chicago, Ill., assignor to Chicago Hardware Foundry Company. Piano-pedal support and bearing.....	763,860	June 28	4077	887	110	2385
Larsen, Ivert, assignor of one-half to R. G. Armstrong, Chicago, Ill. Hame.....	772,814	Oct. 11	2925	487	112	1455
Larsen, Ivert, and R. Hardie, Chicago, Ill. Frictional power-transmission device.....	776,027	Nov. 29	5061	1069	113	1210
Larsen, Nels, assignor of one-half to A. N. Grantz, St. Paul, Minn. Fire-escape.....	755,501	Mar. 22	4444	987	109	1017
Larson, Andrew, and B. C. Dunbar; said Larson assignor to J. W. Shepard, St. Paul, Minn. Floor-scraper.....	777,093	Dec. 6	1149	249	113	1682

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Larson, August, Chicago, Ill. Musical instrument.....	765,019	July 12	2276	474	111	518
Larson, August, Chicago, Ill. Street-sweeper.....	775,569	Nov. 22	4144	872	113	990
Larson, Axel F., Chicago, Ill. Air-motor.....	768,053	Aug. 23	3895	818	111	1957
Larson, Carl W., Schenectady, N. Y., assignor to General Electric Company. Contact-clamp for carbon rheostats.....	768,382	Aug. 23	4482	942	111	2068
Larson, Lewis T., Clarkfield, Minn. Fanning-mill.....	775,755	Nov. 22	4506	955	113	1070
Larson, Louis, assignor of one-half to H. J. Woods, Muskegon, Mich. Glass-bottom boat.....	756,244	Apr. 5	102	22	109	1363
Larson, Nicklars. (See Erickson and Larson.)						
Larson, Ole L., assignor to Fosston Wind Stacker Company, Minneapolis, Minn. Pneumatic stacker.....	762,917	June 21	2604	564	110	2042
Larson, Ole L., assignor to Fosston Wind Stacker Company, Minneapolis, Minn. Windlass.....	762,918	June 21	2606	564	110	2043
Larson, Peter L., Des Moines, Iowa. Counterbalancing stair or ladder for fire-escapes.....	752,082	Feb. 16	2458	545	108	1618
Larson, Peter L., Des Moines, Iowa. Fire-escape.....	777,475	Dec. 13	1983	489	113	1882
Larson, Peter S., Sharon, N. D. Wrench.....	768,761	Aug. 30	5391	1135	111	2311
Larsson, Hans E. (See Green and Larsson.)						
Larsson, Henry W., Springfield, Mass. Feed mechanism for sewing-machines.....	775,011	Nov. 15	2898	619	113	685
Larsson, Henry W., assignor to Larsson Whip Company, Springfield, Mass. Whip-making machine.....	770,813	Sept. 27	3215	678	112	775
Larsson, Thure, <i>et al.</i> (See Jones, Fred A., assignor.)						
Larsson Whip Company. (See Larsson, Henry W., assignor.)						
Larue, Louise J., <i>et al.</i> (See Payne, Carl S., assignor.)						
Larzelere, Washington I., Cincinnati, Ohio. Changeable sign for street-car purposes.....	763,988	July 5	117	19	111	33
Lasar Elevator Company. (See Lasar, Walter, assignor.)						
Lasar, Walter, St. Louis, Mo., assignor of one-half to Lasar Elevator Company. Electric brake.....	759,288	May 10	1459	291	110	354
Lasche, Oskar, Berlin, Germany, assignor to General Electric Company. Controlling device for electrically-propelled vehicles.....	777,084	Dec. 6	1150	250	113	1883
Lash, Horace W., Minneapolis, Minn. Ingot and forming same.....	749,490	Jan. 12	1364	406	108	458
Lasher, Frank, assignor of one-half to W. H. Bradford, Bennington, Vt. Rib-knitting machine.....	764,607	July 12	1458	298	111	335
Lashlie, Cowper, Temuka, New Zealand. Combined hat and clothes brush.....	749,389	Jan. 12	1723	365	108	411
Laska, August L., assignor to K. Oehler, Anilin- & Anilinfarben Fabrik, Offenbach-on-the-Main, Germany. Dark-brown wool-dye.....	767,069	Aug. 9	1924	-----	111	1488
Laska, August L., assignor to K. Oehler, Anilin- & Anilinfarben Fabrik, Offenbach-on-the-Main, Germany. Brown mordant dye.....	767,070	Aug. 9	1924	-----	111	1489
Laska, August L., assignor to Firm of K. Oehler, Offenbach-on-the-Main, Germany. Dark-blue sulfur dye.....	775,570	Nov. 22	4148	-----	113	991
Lassley, Stephen, Chicago, Ill. Presser-foot and attachment.....	704,134	July 5	440	86	111	95
Lasley, Theodora, <i>et al.</i> (See Willard, James A., assignor.)						
Lasley, William M., <i>et al.</i> (See Willard, James A., assignor.)						
Lassen, Lettie, New York, N. Y. Clasp for supporting scarfs for neckwear.....	772,159	Oct. 11	1911	423	112	1383
Lassiter, Columbus K., Richmond, Va. Bolt-cutter.....	774,676	Nov. 8	2176	476	113	498
Lassoco, Valdemar F., New York, N. Y., and L. D. Lovekin, Philadelphia, Pa. Oil-burner.....	777,680	Dec. 20	2391	525	113	1982
Laszczynski, Stanislaw, Kielce, Russia. Electrolytically extracting copper and zinc from ores.....	757,817	Apr. 19	3221	699	109	2064
Latey, Henry. (See Stillwell and Latey.)						
Lathrop, Elias L., Fort Wayne, Ind. Road-making machine.....	749,617	Jan. 12	2169	455	108	507
Latimer, John W., Chicago, Ill. Mowing-machine.....	762,919	June 21	2608	566	110	2044
Latimer, William G., assignor, by mesne assignments, to National Art and Calendar Company, Detroit, Mich. Painting-machine.....	773,151	Oct. 25	4046	857	112	1899
Lattions, Charles A., Beverly, Mass. Suspenders.....	732,568	Feb. 16	3363	750	108	1624
Latrobe Steel & Coupler Company. (See Jacoby, William L., assignor.)						
Latshaw, Carrie I., Bradford, Pa. Work-receiving attachment for sewing-machines.....	773,758	Nov. 1	429	94	113	101
Latta, Emmitt G., Friendship, N. Y. Ribbon-feed mechanism for type-writing machines.....	758,455	Apr. 26	4480	963	109	2360
Latta, Emmitt G., Friendship, N. Y. Type-writing machine.....	758,982	May 8	791	159	110	183
Latta, Emmitt G., Friendship, N. Y. Type-writing machine.....	771,781	Oct. 4	1096	246	112	1194
Latta, Emmitt G., Friendship, N. Y. Type-writing machine.....	771,782	Oct. 4	1101	247	112	1194
Latta, Emmitt G., Friendship, N. Y. Type-writer carriage and bearing therefor.....	771,783	Oct. 4	1105	246	112	1195
Latta, John L., and J. A. Martin, Hickory, N. C. Valve.....	773,209	Oct. 25	4190	885	112	1931
Latta, John L., and J. A. Martin, Hickory, N. C. Valve for compressed-air water-elevators.....	773,796	Nov. 1	493	107	113	115
Lattig, Jacob W., West Bethlehem, and C. L. Goodrum, Philadelphia, assignors to Eastern Telephone Manufacturing Company, Westchester, Pa. Call-register for telephone systems.....	763,911	June 28	4534	980	110	2482
Lattig, Jacob W., West Bethlehem, and C. L. Goodrum, Philadelphia, assignors to Eastern Telephone Manufacturing Company, Westchester, Pa. Party-line ringing device for telephone-switchboard circuits.....	767,573	Aug. 16	2920	611	111	1725
Lattig, Jacob W., West Bethlehem, and C. L. Goodrum, Philadelphia, assignors to Eastern Telephone Manufacturing Company, Westchester, Pa. Two-wire multiple telephone system.....	769,701	Sept. 13	1079	231	112	263
Lattig, Jacob W., West Bethlehem, and C. L. Goodrum, Philadelphia, assignors to Eastern Telephone Manufacturing Company, Westchester, Pa. Telephone-transmitter.....	769,702	Sept. 13	1082	232	112	263
Latto, Andrew, and J. C. Callan, Braddock, Pa. Blast-furnace.....	772,723	Oct. 18	3047	667	112	1654
Latty, Henry T. (See Latty and Sleafel.)						
Latty, Samuel D., and H. T. and W. J. Sleafel, assignors to Kirk-Latty Manufacturing Company, Cleveland, Ohio. Front-axle construction.....	776,520	Dec. 6	87	21	113	1444
Lau, William H. (See Reid and Lau.)						
Lau, Willy H., Chicago, Ill. Electric-light hanger for walls.....	764,135	July 5	444	86	111	96
Laub, Henry C. (See Pettingell, George D., assignor.)						
Laub, Nicolaus, assignor of one-half to L. Wundhammer, Los Angeles, Cal. Reversible mountain-climber.....	754,577	Mar. 15	2747	598	109	633
Lauber, Otto. (See Resow and Lauber.)						
Lauber, Otto, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Recoil-gun with special devices for protecting the slide-tracks from dust.....	756,120	Mar. 29	5670	1251	109	1305
Lauber, Otto, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Transportable gun with protecting-shield offset from the trunnions.....	764,477	July 5	1159	236	111	256
Lauber, Otto, Holsterhausen-Essen-on-the-Ruhr, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Recoil-gun with special devices for protecting the slide-tracks from dust.....	756,172	Mar. 29	5749	1270	109	1322

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Lauber, Otto, and N. Koch, assignors to F. Krupp, Essen-on-the-Ruhr, Germany. Wheel-brake for gun-carriages.....	770,178	Sept. 13	1952	416	112	455
Lauscher, Alexander, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Hemmer attachment for sewing-machines.....	753,891	Mar. 8	1853	305	109	312
Lauscher, Alexander, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Ruffling mechanism for sewing-machines.....	754,928	Mar. 15	3402	744	109	778
Lauscher, Alexander, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Embroidering-machine.....	773,653	Nov. 1	221	49,50	113	54
Lauscher, Alexander, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Hemstitch attachment for sewing-machines.....	778,367	Dec. 27	3793	898	113	2294
Lauch, Richard, Uerdingen, Germany. Black cotton dye and making same.....	764,733	July 12	1719	.....	111	392
Lauch, Richard, Uerdingen, Germany. Direct cotton sulfur dye and making same.....	764,734	July 12	1721	.....	111	392
Lauch, Richard, Uerdingen, Germany. Making sulfur dye stable.....	764,735	July 12	1723	.....	111	392
Laudahn, William, San Francisco, Cal. Gold separating and recovering apparatus.....	762,174	June 7	1061	224	110	1669
Lauder, George M., Glasgow, Scotland, and Laughton, (See Gordon and Laughton.) Acetylene-gas burner.....	755,508	Mar. 22	4447	988	109	1018
Laughlunn, Bud H., Centralia, Ill. Pick.....	773,507	Oct. 25	4813	1018	112	2096
Laughlin, Alexander. (See Releaux, Josef, assignor.).....						
Laughlin, Finis E. (See Harrington, David, assignor.).....						
Laughlin, George R., Peoria, Ill. Painter's scaffold.....	771,878	Oct. 11	1317	297	112	1255
Laughlin, Homer, Jr., Los Angeles, Cal. Apparatus for utilizing power from a single prime mover, &c.....	763,989	July 5	119	19,20	111	33
Laughlin, Joseph M., Fourchambault, France. Machinery for the manufacture of horseshoe-nails.....	749,135	Jan. 5	1174	249 250 251	108	272
Laughlin, Walter J., Portland, Me. Split link for chains.....	774,189	Nov. 8	1280	271	113	806
Laughlin, William J., Waunakee, Wis. Optometer.....	754,223	Mar. 8	1987	442 443	109	453
Laughton, Eugene A., Roanoke, Va. Nut-lock.....	770,374	Sept. 20	2362	498	112	569
Laughton, Charles A., Litchfield, Minn. Fish-line-drying reel.....	769,548	Sept. 6	799	172	112	181
Laughton, Edward, (See Gordon and Laughton.).....						
Lauff, Frank, Detroit, Mich., assignor to American Tobacco Company. Treating tobacco-stems, &c.....	772,892	Oct. 18	3872	733	112	1725
Laukhuff, Charles, Cincinnati, Ohio. Dough-treating mechanism.....	761,842	June 7	461	94	110	1542
Laundry Blue Company. (See Acheson, Arthur, assignor.).....						
Laundry Blue Company. (See Groff, Charles R., assignor.).....	763,615	June 28	3944	858	110	2356
Launer, Charles, Fitzgerald, Ga. Car-axle lubricator.....	759,116	May 3	1048	213	110	296
Laur, Charles F., Cincinnati, Ohio, and A. E. Robinson, Covington, Ky., assignors to American Tool Works Company, Cincinnati, Ohio. Variable-speed mechanism.....	755,504	Mar. 22	4448	988	109	1018
Laur, Maurice, New York, N. Y. Potential-varying and current-reversing apparatus.....	763,615	June 28	3944	858	110	2356
Laurence, James L., Cloverdale, Oreg. Sliding gate.....	759,116	May 3	1048	213	110	296
Laurick, Carl, Berlin, Germany, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,061	Oct. 25	3833	818	112	1848
Lauritzen, Albert, Lyons, Mich. Culvert.....	769,703	Sept. 13	1084	232	112	264
Lauritzen, Albert, Lyons, Mich. Culvert.....	770,326	Sept. 13	2072	436	112	482
Lauritzen, Albert, Lyons, Mich. Culvert.....	770,327	Sept. 13	3074	496	112	482
Laurin, Joseph, Maisonneuve, Canada. Seam-finisher for shoe-sewing machines.....	751,323	Feb. 9	1358	310	108	1366
Laursen, Martin, Rochester, Minn. Saw-vise.....	757,320	Apr. 12	2321	485	109	1832
Lautenschlager, William F., and E. B. Hume, Cincinnati, Ohio. Punching-machine.....	765,087	July 12	2410	502	111	599
Lautenschlager, William F., and E. B. Hume, Cincinnati, Ohio. Punching-machine.....	773,329	Oct. 25	4417	937 938	112	1980
Lauthers, Alexander G. (See Herriott, John E., assignor.).....						
Lauyer, Ernest C., Jr. (See Behre and Lauyer.).....						
Laval, Carl G. P. de, Stockholm, Sweden. Electric furnace.....	768,054	Aug. 23	3900	818	111	1959
Lavallée, Olivier, Boston, Mass. Spectacle-temple.....	753,594	Mar. 1	729	163	109	158
Lavarack, William W. (See Renshaw and Lavarack.).....						
Lavelle, Patrick, et al. (See Benbow, Thomas C., assignor.).....						
Lavelle, Patrick, Johnstown, Pa., assignor to Lorain Steel Company. Tongue-switch.....	765,669	July 26	3552	750	111	818
Lavender, J. F. (See Novels, David C., assignor.).....						
Lavender, Samuel C., assignor of one-half to S. A. and T. H. Chennault, Blossom, Tex. Churn.....	763,769	June 28	4246	925	110	2423
Lavery, Charles N. (See Goodwin, Harry L., assignor.).....						
Lavery, George L. (See Keller, Charles F., assignor.).....						
Lavery, Henry C., Superior, Wis., assignor to Mills Novelty Company, Chicago, Ill. Stamping-press.....	760,694	May 24	4198	891 892 893	110	993
Lavery, James A., New York, assignor of one-half to G. F. Allen, Brooklyn, N. Y. Trolley.....	761,000	May 24	4808	1023	110	1123
Lavign, Benjamin J., New York, N. Y. Propelling mechanism for boats.....	758,983	May 3	797	160	110	843
Lavigne, Joseph P., Detroit, Mich. Turret-lathe.....	756,659	Apr. 5	882	193 194	109	1530
Law, John. (See Cunliffe and Law.).....						
Law, Prentiss E., Wilmette, Ill. Bead-threader.....	752,626	Feb. 16	3500	779	108	1853
Law, Samuel H., Brooklyn, N. Y. Book-holder.....	758,924	May 3	698	138	110	1022
Law, Thomas E., Kingston, Mo. Well-digging apparatus.....	759,723	May 10	2293	476	110	535
Law, William A., St. Paul, Minn. Hay-carrier.....	767,574	Aug. 16	2324	611	111	736
Law, William A., St. Paul, Minn. Elevated track.....	767,574	Dec. 20	2495	551	113	2096
Lawall, Lewis C., Richmond, assignor of one-half to F. D. Shera, Indianapolis, Ind. Ophthalmic cabinet.....	770,438	May 24	3721	788	110	888
Lawhead, James W., Dayton, Ohio. Harness-snap.....	775,678	Nov. 22	4369	922	113	1040
Lawler, James J., Mount Vernon, N. Y. Hot-water radiator.....	752,397	Feb. 23	4223	942	108	2033
Lawler, James J., Mount Vernon, N. Y. Fitting.....	757,130	Apr. 12	1842	402	109	1751
Lawler, James J., Mount Vernon, N. Y. Gas-heater.....	762,067	June 7	877	180	110	1627
Lawler, Miles J., Parnell, Iowa. Gearing.....	755,505	Mar. 22	4452	989	109	1019
Lawles, Joseph H., Brooklyn, N. Y. Boring-machine.....	752,908	Feb. 23	4038	904	108	1990
Lawless, Daniel C., Toledo, Ohio. Storm-curtain for vehicle-tops.....	758,185	Apr. 26	3937	854	109	2241
Lawless, John H., Jersey City, N. J. Plumber's force-pump.....	755,063	Nov. 15	3012	639	113	712
Lawless, Philip C., London, England. Multiple-magazine linotype-machine.....	771,160	Sept. 27	3897	822 823	112	925
Lawless, Philip C., London, England. Multiple-magazine linotype-machine.....	771,161	Sept. 27	3901	823 824	112	926
Lawless, Philip C., London, England. Multiple-magazine linotype-machine.....	771,162	Sept. 27	3904	824	112	926
Lawley-York, Edward, et al. (See Schmidt, Carl, assignor.).....						
Lawlor, Patrick D., Caratunk, Me. Tellurian.....	759,894	May 17	2635	551 552	110	686
Lawlor, Simeon C., Duluth, Minn. Burglar-alarm and locking device.....	768,762	Aug. 30	5393	1136	111	2911

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Lawlor, Simeon C., Duluth, Minn. Mop-head and implement-clamp	772,524	Oct. 18	2657	584	112	1570
Lawrence, Albert N., Chelsea, Iowa. Draft-equalizer	764,736	July 12	1724	352	111	392
Lawrence, Arthur M. (See Folmer and Lawrence.)						
Lawrence, Daniel A., Weldon, N. C. Attachment for telegraph-keys	772,893	Oct. 18	3374	734	112	1726
Lawrence, Elijah C., Boston, Mass. Railway alarm-signal	770,748	Dec. 6	568	125	113	1552
Lawrence, Florus F., Columbus, Ohio. Operating-table	765,389	July 19	2977	623	111	680
Lawrence, Gabriel L., Hamburg, and S. N. Puft, Sussex, N. J. Thill-shifting device	758,925	May 8	694	139	110	162
Lawrence, George H., Middletown, N. Y. Window-sash	754,575	Mar. 15	2737	595	109	632
Lawrence, George H. and M. A., New York, N. Y. Vegetable boiler or steamer	758,984	May 3	799	161	110	184
Lawrence, Harry G., Salt Lake City, Utah. Sink-strainer	769,001	Aug. 30	5883	1234	111	2422
Lawrence, Henry, assignor to Draper Company, Hopedale, Mass. Spooler-guide	764,363	July 5	932	189	111	206
Lawrence, Henry, Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for spinning-spindles	773,797	Nov. 1	495	108	113	115
Lawrence, Henry, Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for rotatable spindles	773,798	Nov. 1	496	108	113	116
Lawrence, James L., and G. W. Stewart, El Paso, Tex. Oil-gas generator for explosive-engines	751,928	Feb. 9	2140	483	108	1535
Lawrence, John W., North Tonawanda, N. Y. Nut-lock	770,435	Sept. 20	2465	532	112	590
Lawrence Manufacturing Company. (See Sullivan, Daniel F., assignor.)						
Lawrence Manufacturing Company. (See Sullivan, Daniel F., assignor.) (Reissue.)						
Lawrence, Mary A. (See Lawrence, George H. and M. A.)						
Lawrence, Robert S., assignor to M. M. Makeever, Boston, Mass. Carburetor	756,381	Apr. 5	388	79	109	1426
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Water-heater	760,002	May 17	2851	596	110	676
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Electrical bathing apparatus	760,794	May 24	4424	941	110	1040
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Car-ventilator	760,795	May 24	4426	941	110	1040
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Apparatus for use in propagating plants	762,589	June 14	1924	414	110	1874
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Cooking-range	762,590	June 14	1925	415	110	1875
Lawrence, Robert S., assignor to Consolidated Inventors Corporation, Boston, Mass. Device for heating or cooling air	762,591	June 14	1928	415	110	1875
Lawrence, W. E. et al. (See Olsson, Hans O., assignor.)						
Lawrence, William A., New York, N. Y., assignor to Continental Rubber Company, Jersey City, N. J., and Brooklyn, N. Y. Apparatus for extracting gum	760,459	May 24	3724	788	110	888
Lawrence, William E., Brooklyn, N. Y., assignor to Oozar Manufacturing Company, Jersey City, N. J. Hack-saw	776,602	Dec. 6	268	59	113	1489
Lawrence, William G., Oakland, Cal. Non-refillable bottle	769,549	Sept. 6	801	172	112	181
Lawrence, William H., Worcester, Mass. Showering	769,390	Sept. 6	801	110	112	113
Lawrence, William H., and R. Kennedy, Glasgow, Scotland. Milking apparatus	756,245	Apr. 5	103	22, 23	109	1364
Laws, Frederick T., Failsforth, W. C. Smith, Manchester, and G. J. Gibbs, York, England. Metal-press	770,375	Sept. 20	2363	499	112	569
Laws, Harry H., New York, N. Y. Flue or duct	760,316	May 17	3274	687	110	770
Lawson, Albert, St. Louis, Mo. Loose-sheet bin	762,419	June 14	1560	342	110	1767
Lawson, Albert, St. Louis, Mo. Loose-sheet holder	766,364	Aug. 2	445	95	111	1138
Lawson, Alfred B., Irene, Va. Cattle-guard	752,294	Feb. 16	2846	631	108	1711
Lawson Boat and Car Company. (See Lawson, Thomas, assignor.)						
Lawson, Joseph A., Menands, N. Y. Reference-book shelf-desk	752,234	Feb. 16	2719	602	108	1684
Lawson, Leroy R., et al. (See Burnett, William H., assignor.)						
Lawson, Norman B., Muskegon, Mich. Swimming attachment	760,880	May 24	4574	975	110	1073
Lawson, Norman B., Muskegon, Mich. Waterproof suit	760,881	May 24	4575	975	110	1073
Lawson, Robert R., assignor to M. C. Gorman, New York, N. Y. Envelop and stationery device	751,524	Feb. 9	1360	310	108	1367
Lawson, Robert R., assignor to M. C. Gorman, New York, N. Y. Envelop-fastener	752,402	Feb. 16	3057	679	108	1756
Lawson, Thomas, New York, N. Y., assignor to Lawson Boat and Car Company, Jersey City, N. J. Dumping mechanism	769,752	Sept. 13	1169	253	112	822
Lawson, Vincent J., New York, N. Y. Clamp for hat-pressing machines	770,593	Sept. 20	2770	587	112	658
Lawson, Walter H., Richmond, Ind. Tufting-tool	760,130	May 17	3105	649	110	734
Lawther, Alfred B., Syracuse, N. Y., assignor to F. O. Swannell, Chicago, Ill. Apparatus for treating oil-cake	754,576	Mar. 15	2738	597	109	632
Lawton, George M., Worcester, Mass. Dyeing composition	763,616	June 28	3946		110	2357
Lawton, George M., Worcester, Mass. Dyeing composition	768,809	Aug. 30	5479		110	2360
Lay, Frank R., Indianapolis, Ind. Broom	757,818	Apr. 19	3223	699	109	2065
Lay, William, Keowee township, Garfield county, Okla. Ter. Railway	752,785	Feb. 23	3790	848	108	1935
Laybourne, Richard C., W. E. Marsh, and B. Price, Newport, England. Automatic mechanism for use in step-by-step rolling of metal tubes	774,087	Nov. 1	1101	234	113	249
Layman, Hiram D., and F. W. Parpart, (by marriage now F. W. Layman,) New York, N. Y. Street-sweeping machine	762,241	June 7	1188	254	110	1698
Layman, Hiram D., and F. W. Parpart, (by marriage now F. W. Layman,) New York, N. Y. Street-sweeping machine						
Layman, Waldo A., St. Louis, Mo. Alternating-current motor	772,465	Oct. 18	2544	560	112	1547
Layne, Mahlon E., Rock Rapids, Iowa. Well mechanism	750,205	Jan. 19	3305	714	108	766
Layne, Mahlon E., Rock Rapids, Iowa. Wire-winding tool	750,206	Jan. 19	3306	714	108	766
Layne, Mahlon E., Rock Rapids, Iowa. Valve	778,591	Dec. 27	4224	920	113	2386
Layton, Edwin, Gyula-Fehervar, Austria-Hungary. Propelling and steering apparatus for balloons	751,082	Feb. 2	552	128	108	1180
Layton, John J., Butte, Mont. Pipe-wrench	778,051	Dec. 20	3162	695	113	2140
Layton, Peter, Anaconda, Mont. Shield for glass water-gages	763,408	June 28	3576	771	110	2278
Layton, Rawson H. (See Pfeffer and Layton.)						
Layton, Richardson C., assignor to Empire Pipe Bending and Supply Company, New York, N. Y. Lattice-work structure	756,861	Apr. 12	1287	287	109	1634
Layton, Stephen D., Westport, Ind. Ditching-machine	771,374	Oct. 4	307	68	112	1026
Lazareff, Mathias A. (See Dela Mar, Joseph, assignor.)						
Lazareff, Mathias A., assignor to Royal Glass Jar and Bottle Company, New York, N. Y. Bottle	751,083	Feb. 2	553	128	108	1180
Lazarus, John R., Shoenersville, Pa. Grain-separator	756,121	Mar. 29	5671	1251	109	1306
Le Baron, Robert O. (See Owen and Le Baron.)						
Le Barron, Walter J., Barre, Vt. Flat-iron heater	769,092	Aug. 30	5884	1234	111	2422
Le Beau, Victor, New Orleans, La. Bait-holder and fish-decoy	777,382	Dec. 13	3967	400	113	1422
Le Blanc, Arthur, Worcester, Mass. Work-holder	774,480	Nov. 6	1805	391	113	420

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Le Blanc, Frederick D., assignor of one-third to E. M. Poirer, Lynn, Mass. Cleaning bricks.	767,575	Aug. 16	2928	-----	111	1727
Le Blanc, George, Beecher Falls, Vt. Compasses.	768,333	Aug. 23	4483	942	111	2088
Le Blond, Richard K., and W. F. Groene, Cincinnati, Ohio. Feed and speed changing device for machine-tools.	763,770	June 28	4248	925	110	2423
Le Blond, Richard K., and W. F. Groene, Cincinnati, Ohio. Feed and speed changing device for machine-tools.	763,912	June 28	4538	990	110	2483
Le Blond, Richard K., and W. F. Groene, Cincinnati, Ohio. Feed and speed changing device for machine-tools.	768,608	Aug. 30	5086	1069	111	2244
Le Blond, Richard K., and W. F. Groene, assignors to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Means for mounting worm-gearing in milling-machines.	772,894	Oct. 18	3376	734	112	1728
Le Fevre, Edward Y., Fallsburg, N. Y. Apparatus for making cloth-lined paper.	760,635	May 24	4075	866	106	967
Le Fevre, George A., New York, N. Y. Electric coupling.	748,961	Jan. 5	786	170	108	179
Le Fevre, James H. (See Carlson, Hugo, assignor.)						
Le Fevre, Zephire J., Los Gatos, Cal. Diaphragm for sound-producing instruments.	755,506	Mar. 22	4458	969	109	1019
Le Grand, Augustus L., West Pittsburg, Pa. Bucket conveyor.	756,510	Apr. 5	4226	136	106	1474
Le Hw, John A., Peoria, Ill. Fence.	775,335	Nov. 22	3615	766	113	873
Le Lievre, James M., Chicago, Ill. Shoe.	766,709	Aug. 2	1168	{ 242 243 }	111	1301
Lé Man, John L., Sunbury, England. Automatic slide-valve gas and air blowpipe for soldering, &c.						
Le May, Marcus M., assignor of three-fourths to F. R. King, Leighton, Ala., A. M. Young, Fort Worth, Tex., and M. B. Hampton, Leighton, Ala. Wrench.	774,089	Nov. 1	1107	235	113	250
Le Mon, James, and F. C. von Heydebrand and der Lasa, New York, N. Y. Disk talking-machine.	759,772	Jan. 26	4428	{ 954 955 }	108	1030
Le Pontois, Leon J., New Rochelle, N. Y. Producing sparks in the cylinders of internal-combustion engines.	775,543	Dec. 27	4123	898	113	2365
Le Pontois, Leon J., New Rochelle, N. Y. Inductor-alternator.	752,690	Feb. 23	3629	803	108	1900
Le Pontois, Leon J., New Rochelle, N. Y. Polyphase magneto-alternator.	752,691	Feb. 23	3631	808	108	1900
Le Pontois, Leon J., New Rochelle, N. Y. Polyphase magneto-alternator.	752,692	Feb. 23	3633	803	108	1900
Le Roy, Myron D., and G. P. Ross, Walkerton, Ind. Thill attachment.	753,988	Mar. 8	1541	344	109	356
Le Strange, Frederick T., Syracuse, N. Y. Concentrator.	776,189	Nov. 29	5363	1135	113	1278
Le Sueur, Ernest A., Ottawa, Canada. Extraction of copper from comminuted mineral mixtures.	755,302	Mar. 22	4078	-----	109	940
Lea, Edward S., Rutherford, N. J. Wheel.	771,651	Oct. 4	852	191	112	1141
Lea, Edward S., Rutherford, N. J., assignor to Turbine Electric Truck Company, New York, N. Y. Motor vehicle.	764,737	July 12	1725	{ 352 353 }	111	393
Leach, Edward S., Cooper Hill, Mo. Pile-driver.	759,534	May 10	1938	{ 1397 1398 }	110	459
Leach, John, <i>et al.</i> (See Murray, Peter, assignor.)						
Leach, John N., Melrose, Mass., assignor to National Oil Heating Company. Lubricator.	751,186	Feb. 2	751	172	108	1218
Leach, Orville L., Elmwood, R. I. Tire.	768,860	Aug. 30	5599	1177	111	2337
Leach, Samuel S., Everett, Pa. Single-trigger mechanism for double-barrel guns.	772,809	Oct. 18	3209	699	112	1689
Leach, Walter, Hoxie, Ark. Wrench.	762,592	June 14	1930	416	110	1875
Leach, William W., Mansfield, Ohio. Mechanism for reversing engines.	765,497	July 19	3214	672	111	731
Leadbetter, George D., assignor to Detroit Folding Cart Company, Detroit, Mich. Perambulator.	776,665	Dec. 6	396	85, 86	113	1516
Leader Manufacturing Company. (See Gager, John S., assignor.)						
Leader Manufacturing Company. (See Post, John H., assignor.)						
Leahy, Louis K., Los Angeles, Cal. Hydrocarbon-burner. (Reissue.)	12,998	Dec. 27	4695	1027	113	2493
Leahy, William, Chicago, Ill. Cope.	749,069	Jan. 5	1048	221	108	241
Leake, Frank, <i>et al.</i> (See Linton, Ernest O., assignor.)						
Lear, Philip N., Whitecloud, Kans. Yoke.	752,083	Feb. 16	2440	546	108	1697
Learman, Eleanor A., Cleveland, Ohio. Appliance for treatment of disease.	762,643	June 14	2030	439	110	1919
Learned, Rufus F., Natchez, Miss. Ice-making machine.	753,051	Feb. 23	4404	{ 979 980 }	108	2074
Learned, Waldo A., Watertown, Mass. Insulated pipe-joint.	753,595	Mar. 1	729	163	109	158
Leary, William, New Bedford, Mass. Combined box-motion and protection-rod lever for looms.	760,131	May 17	3107	419	110	734
Leary, William F. (See Littleton, John E., assignor.)						
Lease, Lyman G., Warren, Ohio. Silo or tank.	766,708	Aug. 2	1167	342	111	1301
Leathers, John E., Fitzwilliam Depot, N. H. Ax.	755,891	Mar. 29	5232	{ 11157 11158 }	109	1211
Leavenworth, Seth H., assignor to Homan & Company, Cincinnati, Ohio. Candle-molding machine.	750,662	Jan. 26	4159	902	108	968
Leavenworth, Seth H., assignor to Homan & Company, Cincinnati, Ohio. Candle-molding machine.	755,892	Mar. 29	5235	1157	109	1212
Leaver, Albert E., and W. H., Chicago, Ill. Fish-line reel.	762,786	Feb. 23	3738	545	108	1935
Leaver, William H. (See Leaver, Albert E. and W. H.)						
Leavitt, Byron C., Denver, Colo. Plaster-bandage-rolling machine.	770,912	Sept. 27	3399	717	112	815
Leavitt, Claude F., assignor of one-half to E. K. Baston, Boston, Mass. Pipe-wrench.	765,583	July 19	3359	705	111	761
Leavitt, Frank M. (See Williams and Leavitt.)						
Leavitt, Frank M., assignor to E. W. Bliss Company, Brooklyn, N. Y. Automobile torpedo.	748,759	Jan. 5	380	{ 86 87 88 }	108	84
Leavitt, Frank M., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Gyroscopic apparatus for steering torpedoes or other uses.	768,291	Aug. 23	4406	926	111	2072
Leavitt, Frederick E., St. Paul, Minn. Surgical instrument.	769,483	Sept. 6	687	147	112	157
Leavitt, Harry W., Tuscola, Ill. Lawn-mower.	760,695	May 24	4206	893	110	994
Leavitt Machine Company. (See Williams, Thomas B., assignor.)						
Lebach, Elias, assignor to Salubritas, Gesellschaft mit Beschränkter Haftung, Cologne, Germany. Portable bin for dust or refuse.	755,145	Mar. 22	3797	696	109	892
Lebateux, Louis, Paris, France. Magic or surprise picture.	761,001	May 24	4809	1023	110	1123
Leblanc, Adolphe D., Montreal, Canada. Handle for carpenters' braces.	773,576	Nov. 1	88	113	25	
Leblanc, Adolphe D., Montreal, Canada. Chuck.	776,603	Dec. 6	269	59, 60	113	1489
Leblanc, Alfredo, Stamford, Conn. Glove-fastener.	749,618	Jan. 12	2173	456	108	507
Leblanc, Maurice. (See Hutin and Leblanc.)						
Leblanc, Maurice. (See Hutin and Leblanc.) (Reissue.)						
Leblanc, Maurice, Paris, France. Apparatus for regulating voltage.	773,398	Oct. 25	4564	{ 964 965 }	112	2013
Leblanc, Maurice, Paris, France. Regulating apparatus for constant-current generators.	773,399	Oct. 25	4568	965	112	2013
Leblanc, Maurice, Paris, France. Regulating constant-current dynamos.	773,400	Oct. 25	4571	965	112	2014
Leblanc, Maurice, Paris, France, assignor to Westinghouse Electric and Manufacturing Company. Constant-current series motor.	768,467	Aug. 23	4768	1000	111	2158
Leblanc, Maurice, Paris, France, assignor to Westinghouse Electric and Manufacturing Company. Limiting the speed of constant-current series motors.	768,468	Aug. 23	4771	1000	111	2158

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Leblanc, Maurice, Paris, France, assignor to Westinghouse Electric & Manufacturing Company. Regulating voltage.	773,508	Oct. 25	4815	1014	112	2066
Lebre, Adriaan. (See Vosmaer and Lebre.)						
Lechner, Francis M., assignor of one-third to F. E. Stevens, Columbus, Ohio. Rotary engine.	777,085	Dec. 6	1153	250 251 251	113	1684
Lechner, Francis M., Allegheny, assignor, by mesne assignments, to J. F. Richards and C. H. Lloyd, Pittsburg, Pa. Mining-machine.	765,317	July 19	2831	590 591	111	649
Leclerc, André, Paris, assignor to Société Anonyme pour la Production et l'Emploi de la Vapeur Surchauffée, Chalon-sur-Saône, France. System of economical production of superheated steam.	755,893	Mar. 29	5327	1158	109	1812
Lecompte, Louis, Chicago, Ill. Combined railway draw-head and air-coupling.	749,900	Jan. 19	2734	585 586	108	646
Lecompte, Louis, Aurora, Ill. Non-refillable bottle.	775,111	Nov. 15	3098	658	113	731
Lecomte, Prextat, assignor of one-half to L. F. Mizzi, Constantinople, Turkey. Rotary engine.	761,512	May 31	5821	1344	110	1364
Lecourt, François, Sevre, France. Stopping bottles, jars, or like vessels.	768,380	Aug. 23	4617	966	111	2126
Ledbetter, Albert M., Vixen, La. Vehicle-brake.	750,378	Jan. 26	3636	799	108	860
Leder, Paul H. A., Baltimore, Md., assignor of one-half to B. F. Schubert, Washington, D. C. Jar or bottle closure.	767,576	Aug. 16	2028	612	111	1727
Lederer, Felix. (See Langer, Emil, assignor.)						
Lederer, Leonhard, Sulzbach, Germany. Elastic horn-like substance and producing same.	774,677	Nov. 8	2178	980	113	498
Lederman, Charles, Columbus, Ohio. Package-carrier.	753,082	Feb. 23	4406	980	108	2074
Lederman, Charles, Columbus, Ohio. Luggage-carrier.	767,823	Aug. 16	3359	717	111	1828
Ledoux, John W., Swarthmore, Pa. Fluid-meter.	770,297	Sept. 20	2327	465	112	838
Ledoux, Valmor A., Worcester, assignor to Draper Company, Hopedale, Mass. Warp sp-motion for looms.	769,174	Sept. 6	72	18	112	17
Ledoux, Valmor A., Worcester, assignor to Draper Company, Hopedale, Mass. Loom harness mechanism.	770,760	Sept. 27	3089	655	112	746
Lee Arms Company et al. (See Parkhurst, Edward G., assignor.)						
Lee, Charles, San Antonio, Tex. Automatic railway-switch.	777,960	Dec. 20	2935	655	113	2104
Lee, Charles A. (See Drury, George W., assignor.)						
Lee, Charles A. (See Grosjean and Ehrmantraut, assignors.)						
Lee, Charles A., Oneida, N. Y. Apparatus for stuffing cushions.	759,895	May 17	2637	552	110	627
Lee, Charles H., Southampton, N. Y. Self-clearing propeller.	756,031	Mar. 29	5304	1214	109	1270
Lee, Elijah B., and C. H. Beazley, Leesburg, Ga. Disk cultivator-plow.	749,619	Jan. 12	2174	456	108	507
Lee, Eri C., Toledo, Ohio. Roll-paper holder and cutter.	771,913	Oct. 11	1386	312	112	1268
Lee, George A., et al. (See Johnson, John H., assignor.)						
Lee, J. H., trustee. (See Morse, William B., assignor.)						
Lee, James L., Chicago, Ill. Printer's galley.	758,540	Apr. 26	4654	1002	109	2399
Lee, James L., assignor to Challenge Machinery Co., Chicago, Ill. Catch or clutch for printers' plates.	758,370	Apr. 26	4321	928	109	2324
Lee, Jane H., and N. B. Conkling, St. Louis, Mo. Dress-shield.	754,877	Mar. 15	3320	724	109	760
Lee, Jesse S., et al. (See Garson, Hiram H., assignor.)						
Lee, John C., Brookline, Mass., assignor to American Telephone and Telegraph Company. Insulated conductor and process.	767,900	Aug. 16	3335	749	111	1859
Lee, John E., assignor to J. Ellwood Lee Company, Conshohocken, Pa. Fastening device for truss-pads.	756,122	Mar. 29	5676	1252	109	1306
Lee, John E., assignor to J. Ellwood Lee Company, Conshohocken, Pa. Manufacture of surgical bandages.	760,217	May 17	3376	688	110	771
Lee, John O., St. Paul, Minn. Gate-lifting device for elevators.	761,513	May 31	5323	1244	110	1365
Lee, Joseph D., Salem, Oreg. Water-motor.	751,796	Feb. 9	1870	426	108	1473
Lee, Leslie E., Kansas City, Mo. Inner-seal carton.	749,491	Jan. 12	1957	406	108	458
Lee, Marion, Angola, Ind. Tank-mold.	768,131	Aug. 23	4100	862	111	2005
Lee, Ole H. (See Gabrielson, Arnold, assignor.)	750,468	Jan. 26	3739	826	108	896
Lee, Oscar J., and M. H. Richardson, Chicago, Ill. Railway signal system.	774,481	Nov. 8	1807	391	113	421
Lee, Oscar O., Chicago, Ill. Telephone signaling mechanism.	752,909	Feb. 23	4041	905	108	1991
Lee, Robert E., Palestine, Tex. Railway-ticket.	775,042	Nov. 15	2957	631	113	699
Lee, Theodore K., assignor of one-half to L. H. Ohlmann, Brooklyn, N. Y. Wool-combing machine.	768,381	Aug. 23	4619	966	111	2126
Lee, Thomas. (See Trisler, Early C., assignor.)						
Lee, Thomas A., Troy, N. Y. Flue construction for boilers.	756,246	Apr. 5	107	23	109	1364
Lee, Thomas E., Chulavista, Cal. Door-opener.	762,729	June 14	2215	481	110	1936
Lee, Turner, Rockfalls, Ill. Spread-roller.	763,006	June 21	2762	599	110	2077
Lee, William A., Blackwell, Okla. Ter. Disk drill.	768,753	Aug. 30	5394	1136	111	2311
Lee, William A., Blackwell, Okla. Ter. Disk-bearing.	777,519	Dec. 13	2063	454	113	1898
Lee, William E., Weymouth, Mass. Hand-plane.	760,074	May 17	2982	623 624	110	707
Lee, William E., Columbus, Ohio. Tiller-lock.	765,431	July 19	3067	642	111	700
Lee, William S., Tacoma, Wash. Trousers-hanger.	761,893	June 7	569	113	110	1567
Lee, William S., Mystic, Iowa. Truss-coupling.	767,330	Dec. 13	2064	455	113	1898
Lee, Yan P., Lincoln, Del., assignor of one-third to C. Hoy, New York, N. Y. Bottle.	777,426	Dec. 13	1879	414	113	1858
Leebow, Monroe D., Sheridan, Pa. Rail-joint.	772,107	Oct. 11	1801	399	112	1361
Leech, James W., Staunton, Va. Telegraph-instrument stand.	750,289	Jan. 26	3471	751	108	822
Leech, James W., Staunton, Va. Circuit-closer.	760,132	May 17	3108	650	110	734
Leedy, John K., Roanoke, Va. Railway-signal.	752,084	Feb. 16	2441	546	108	1619
Leek, Walter, Vancouver, Canada. Radiator.	777,036	Dec. 6	1154	251	113	1684
Leek, William H. (See Willmann, Joseph, Sr., assignor.)						
Leeking, Harry D., and J. K. Hartman, Lancaster, Pa. Railway cross-tie.	753,502	Mar. 1	533	121 122	109	115
Leeland, Ole S., Mount Vernon, S. D. Stereoscopic attachment.	764,136	July 5	446	87	111	97
Lees, Ernest J., Warren, Pa., and E. L. Aiken, East Orange, N. J. Hanger for speed-changers.	753,406	Mar. 1	341	77, 78 225	109	76
Lees, Henry T., New York, N. Y. Explosion-turbine.	762,175	June 7	1063	225	110	1609
Lees, William H. (See Gesner and Lees, assignors.)						
Lefebvre, Arthur J. H., Montreal, Canada. Safety device for razors.	774,257	Nov. 8	1401	299	113	333
Lefebvre, Charles E., Pittsburg, Pa. System for distributing and filtering lubricating-oil.	763,681	June 25	4079	888	110	2385
Lefever, M. B., et al. (See Welbourn, Josiah M., assignor.)						
Leffingwell, Austin N. (See Rainey, George, assignor.)						
Leffingwell, Howard G., Severy, Kans. Mail-box.	751,310	Feb. 2	1008	228 229	108	1372
Leffer, John, Lagrange, N. C. Gate-hinge.	751,661	Feb. 9	1619	305	108	1421
Leff, William, Gloversville, N. Y. Glove.	739,117	May 3	1050	213	110	239
Leffski, Johann J., assignor of one-half to F. W. Alt, Hamburg, Germany. Driving-gear for boats, &c.	760,218	May 17	3277	688	110	771
Leffer, John, San Bernardino, Cal. Vehicle-wheel.	775,831	Nov. 22	4632	985	113	1100

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Lefler, William A., Flint, Mich. Wrench	767,901	Aug. 16	3538	749	111	1859
Lefrancq, Norbert P. (See Dansereau, Joseph A., assignor.)						
Legg, Jerome B., St. Louis, Mo. Combined lavatory, water-closet, and cabinet.	768,878	Aug. 30	5642	1185	111	2367
Legg, Roland H., Carthage, Mo. Sewing-machine attachment	753,987	Mar. 8	1540	344	109	356
Legg, Roland H., Carthage, Mo. Bobbin-winding attachment for sewing-machines	770,179	Sept. 13	1954	417	112	456
Legge, Joshua D., Hancock, assignor of one-half to M. A. Bennett and M. R. Millins, East Nassau, N. Y. Device for preventing rails of railway-tracks from spreading	756,247	Apr. 5	1108	23	109	1365
Legge, Joshua D., Hancock, assignor of one-half to Evans, Bennett and M. R. Millins, East Nassau, N. Y. Means for preventing rails of railway-tracks from creeping	756,248	Apr. 5	110	24	109	1365
Legge, William D. (See Mosher and Legge.)						
Leggett, George D., Carthage, Mo. Plate or pan lifter	776,786	Dec. 6	639	141	113	1567
Leggett, Joseph P., Carthage, Mo. Endless necktie	771,163	Sept. 27	3908	824	112	927
Lehenbauer, Wesley A. (See Davis, Monroe, assignor.)						
Lehenbauer, Wesley A. (See Davis and Lehenbauer.)						
Lehigh Pulverizer Mill Company. (See Hitzel, Harry, assignor.)						
Lehman, Charles J., deceased, New York, N. Y.; P. Lehman, administratrix. Lubricator for yarns or threads.	752,458	Feb. 16	3156	703	108	1778
Lehman, Christian S., Lawn, Pa. Phil-coupling	733,183	Feb. 23	4446	3074	109	3874
Lehman, Isador, Cleveland, Ohio. Shaft-coupling	765,897	July 26	4000	854	111	910
Lehman, Otto A., Hoboken, N. J. Pocket-book	757,755	Apr. 19	3100	675	109	2037
Lehman, Pauline, administratrix. (See Lehman, Charles J.)						
Lehman, Samuel C., Galena, Kans. Broom-corn-combing machine	762,326	June 14	1378	297	110	1759
Lehman, Ernst F., Brandenburg-on-the-Havel, Germany. Sliding axle for toys	769,802	Sept. 13	1257	270	112	301
Lehman, Frederic (See Gray and Lehmann.) (Reissue.)						
Lehmann, Frederic, assignor of one-half to J. Windisch, Allegheny, Pa. Lamp	770,723	Sept. 20	3016	641	112	712
Lehner, Alfred, Zurich, Switzerland. Apparatus for weighing and sorting skins of fawn	756,868	Apr. 12	1288	288	109	1634
Lehr, John A., North York, Pa. Block-signaling apparatus	758,541	Apr. 26	4655	1002	109	2390
Lehr, John C., New York, N. Y. Ash-cart	765,432	July 19	3069	643	111	700
Lehrer, Harry, New York, N. Y. Combination bed, sofa, and chair	754,150	Mar. 8	1840	410 411	109	423
Leib, Alfa R., assignor of one-half to K. A. Chipman, Anderson, Ind. Fountain-pen	775,307	Nov. 22	4790	1015	113	1129
Leib, Daniel N., assignor to Automatic Heat Regulator Company, Elkhart, Ind. Automatic electric heat-regulator	754,465	Mar. 15	2519	549	109	585
Leibe, Hugo, assignor to Lerch Brothers, Baltimore, Md. Seat for harness-saddles	749,620	Jan. 12	2176	456	108	508
Leibenguth, Walter F., Dorranetown, Pa. Rotary steam-engine	773,401	Oct. 25	4574	966	112	2014
Leibert, Owen F., Bethlehem, Pa. Automatic stoking apparatus	765,390	July 19	2978	623 624	111	680
Leibman, Charles A. (See Leibman, Frank J., assignor.)						
Leibman, Charles A., assignor to E. P. Reichhelm and Company, New York, N. Y. Ingot-mold	757,208	Apr. 12	1984	432	109	1783
Leibman, Frank J., assignor of one-half to C. A. Leibman, Brooklyn, N. Y. Adjustable wrench	762,420	June 14	1562	943	110	1797
Leiby, James. (See Schaffer, George H., assignor.)						
Leicht, Jacob. (See Sebastian, George W., assignor.)						
Leick, Horace F., and M. J. O'Donnell, Cleveland, Ohio. Measuring device	755,300	Mar. 22	4075	908	109	939
Leigh, Charles, assignor of one-half to E. Soufer, Evansville, Ind. Plant-protector	754,322	Mar. 8	2182	479	109	489
Leigh, Charles Q. C., Paducah, Ky. Backing-sheet or fling-wrapper	774,762	Nov. 15	2394	516	113	569
Leigh, Edmund W., Stoke-upon-Trent, England. Press or machine for making saggars, or similar articles	775,706	Nov. 22	4416	932 933	113	1050
Leigh, Leonard, Jr., Luipaardsvlei, Transvaal. Chuck for rock-drilling machines	751,311	Feb. 2	1011	229	108	1272
Leigh, Richard A., assignor to Western Rubber Company, Denver, Colo. Rubber-like material	752,988	Feb. 23	4290	943	103	2034
Leightham, Joseph, assignor of one-half to J. Nolde, Reading, Pa. Rope-clamping device	755,019	Mar. 23	3383	787	109	834
Leightham, Joseph, assignor of one-half to J. Nolde, Reading, Pa. Combined railway-tie and rail-fastening	756,660	Apr. 5	888	194	109	1531
Leightham, Joseph, assignor of two-thirds to J. Nolde and J. A. Lindberg, Reading, Pa. Bolt and nut lock	770,972	Sept. 27	3518	742	112	843
Leightham, Joseph, assignor of one-half to J. Nolde and J. Lindberg, Reading, Pa. Crane attachment for loading or unloading cars	775,832	Nov. 22	4655	985 986	113	1100
Leightham, Joseph, assignor of five-eighths to J. Nolde and J. A. Lindberg, Reading, Pa. Rope-fastener	778,253	Dec. 27	3547	778	113	2241
Leighton, Dominicus R., assignor of one-half to F. L. Leighton, New Haven, Conn. Automatic fluid-pipe connection for railway-cars	774,088	Nov. 1	1105	235	113	250
Leighton, Frederic L. (See Leighton, Dominicus R., assignor.)						
Leighton, George F., assignor to Cincinnati Punch & Shear Company, Cincinnati, Ohio. Shaft-clutch for punching-machines	771,375	Oct. 4	309	68,69	112	1027
Leighton, James H., assignor of one-half to H. S. Sumner, Akron, Ohio. Glass-faced brick or building-block	756,971	Apr. 12	1511	333	109	1680
Leighton, John, and R. Hacking, Nottingham, England. Tram or railway point or switch, and means for working same	767,577	Aug. 16	2929	612 613	111	1277
Leighton, William T., Rochester, N. Y. Variable-speed gear	760,400	May 24	3725	311	110	889
Leighton, William T., Rochester, N. Y. Field photographic developing apparatus	766,887	Aug. 9	1575	331 332	111	1409
Leiman, George W. (See Leiman, William H. and G. W.)						
Leiman, William H., New York, N. Y., and G. W. Leiman, Newark, N. J. Rotary pump	762,539	June 14	1833	393	110	1856
Lein, Ole A. (See Rotvold, Henning O., assignor.)						
Leineweber, Herman, South Chicago, assignor of one-half to W. F. Behrens, Chicago, Ill. Pneumatic tool	778,319	Dec. 27	3082	803	113	2269
Leingartner, Alois, Milwaukee, Wis. Compound gas-engine	762,421	June 14	1503	843	110	1796
Leisler, Benjamin, East McKeesport, Pa. Baby-walker	761,514	May 31	5894	1245	110	1865
Leisel, Albert, Peekskill, N. Y. Embossed wall-paper and making same	768,053	Aug. 23	3901	819	111	1959
Leister, William P., and L. A. Hughes, Cliftside, N. C. Pneumatic sweeper	767,296	Aug. 9	2366	495	111	1583
Leistner, Carl, London, England. Machine for manufacturing glass bottles	767,578	Aug. 16	2931	613 614	111	1728
Leistner, Carl, London, England. Machine for the manufacture of glass bottles or the like	773,500	Oct. 25	4818	1014	112	2067
Leistner, Carl, London, England. Machine for manufacturing glass bottles or other vessels	777,261	Dec. 13	1563	348	113	1789
Leistner, Paul G., assignor of one-fourth to H. H. Niemeyer, St. Charles, Mo. Reversible car-seat	751,312	Feb. 2	1013	229	108	1273
Leithausen, Peter J., Clarendon, Tex. Supply-tank for water service	768,550	Sept. 6	808	172	112	181
Leithausen, Peter J., Clarendon, Tex. Pump	776,922	Dec. 6	916	197	113	1628
Leitschuh, Joseph. (See Ohmer, Kelly, and Leitschuh.)						
Leitschuh, Joseph. (See Ohmer, Leitschuh, and Kelly.)						
Leland, Jefferson D., assignor, by mesne assignments, of one-half to O. J. Hendee, Durand, Mich. Combination stand, carriage, and stool	759,289	May 10	1462	292	110	354

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Leland, Sanford D., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-compressing machine.	776,787	Dec. 6	640	141 142	113	1567
Lemaster, Henry H., et al. (See Robbarts, George W., assignor.)						
Lenster, Mike C., et al. (See Robbarts, George W., assignor.)						
Lemb, William, New York, N. Y. Baker's oven.	755,507	Mar. 22	4454	989	109	1019
Lemieux, Louis, assignor to C. Ramsey, New York, N. Y. Pedal-mounting.	755,801	Mar. 22	4076	903	109	939
Lenke, August, Detroit, Mich. Rotary motor for flue-cleaners.	754,955	Mar. 5	3471	760	109	738
Lemke, William, Camden, N. J. Sash-holder.	750,469	Jan. 26	3800	826	108	896
Lemley, Frederick J., Chicago, Ill. Clutch.	777,961	Dec. 20	2987	655	113	2104
Lemly, Henry R., Washington, D. C. Accoutrement.	770,761	Sept. 27	3092	655 656	112	747
Lemm, Hiram, Storm Lake, Iowa. Adjustable hoe and plant-fender.	753,830	Mar. 1	1235	277	109	265
Lemmn, Irving A., Victoria, Canada. Boat-chock.	756,661	Apr. 5	889	195	109	1531
Leimonon, George E., Bedford Springs, Va. Switch.	770,686	Sept. 20	2952	627	112	700
Lemon, Elmer E., assignor of one-half to C. March, Millersburg, Ohio. Hoof-pad.	757,473	Apr. 19	2325	554	109	151
Lemon, John T., Columbus, Ohio. Calipers.	763,913	June 28	4343	990	110	2483
Lemos, Leon, San Francisco, Cal. Penholder.	764,050	July 5	291	56	111	66
Lemos, Leon, San Francisco, Cal. Display-card attachment.	767,166	Aug. 9	2117	441	111	1528
Lemp, Hermann. (See Thomson and Lemp.)						
Lemp, Hermann, Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Means for preventing pumps on automobiles from freezing.	761,774	June 7	322	65	110	1511
Lemp, Hermann, Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Flash-boiler.	767,071	Aug. 9	1925	403	111	1489
Lemp, Hermann, Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Flue construction for vehicles.	767,072	Aug. 9	1929	403	111	1490
Lemp, Hermann, Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Controlling mechanism for flash-boiler systems.	772,419	Oct. 18	2445	536	112	1525
Lemp, Hermann, Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Means for regulating steam-generating systems.	772,420	Oct. 18	2449	537	112	1526
Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Alternating-current selector.	774,090	Nov. 1	1109	236	113	251
Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Exciting vacuum-tubes.	774,138	Nov. 1	1186	253	113	268
Lemus, José T., Durango, Mexico. Steam dinner-pail.	773,654	Nov. 1	223	50	113	54
Lemyre, Joseph E., Manchester, N. H. Bobbin.	762,422	June 14	1567	344	110	1798
Lemyre, Joseph E., assignor of one-half to J. H. Whitten, Manchester, N. H. Bobbin or filling carrier and feeder for looms.	775,088	July 12	2414	502	111	540
Lenderman, Henry C., Portland, Oreg. Slide-valve.	778,419	Dec. 27	3894	848	113	2316
Lenderoth, William, New York, N. Y. Composition of matter.	753,407	Mar. 1	342		109	76
Lenderyou, John. (See Seary and Lenderyou.)						
Lendi, John H., assignor to Kellogg Switchboard and Supply Company, Chicago Ill. Central-energy telephone system.	751,797	Feb. 9	1871	426	108	1473
Lenz, Emil, Mous, Belgium. Carburetor for hydrocarbon-motors.	736,249	Apr. 5	112	24	109	1365
Lenhart, Moses, Melrose, Iowa. Side-board fastener for wagons.	774,091	Nov. 1	1112	236	113	251
Lenhart, Philip F., New York, N. Y., assignor to Old Colony Cork Wood Company, Portland, Me. Corkwood.	750,548	Jan. 26	3974		108	929
Lenhoff, John A. (See Allan and Lenhoff.)						
Lennon, George H., Baltimore, Md. Toy bench or settee.	763,617	June 28	3947	858	110	2357
Lennon, John, Minneapolis, Minn. Excavating apparatus.	766,956	Aug. 9	1713	339	111	1442
Lennox, Levi J., et al. (See Frank, Oskar, assignor.)						
Lenot, Louis, Lützelhausen, Germany. Apparatus for checking the output of machinery.	749,305	Jan. 12	1546	328	108	371
Lent, Orlando D., Peekskill, N. Y. Rail-clamp.	755,020	Mar. 22	3951	757	109	834
Lentz, David, Joliet, Ill. Rolling-mill.	753,408	Mar. 1	343	78, 79	109	77
Lentz, David H., Joliet, Ill. Renewing traction-rails.	753,409	Mar. 1	347	79, 80	109	77
Lentz, George, North Arlington, N. J. Stone-gathering machine.	772,724	Oct. 18	3043	667	112	1655
Lentz, Nathan, Des Moines, Iowa. Back-rest for lathes.	770,724	Sept. 20	3017	641	112	712
Lenzen, Bertram, assignor of one-half to G. C. Rueckert, Providence, R. I. Display-tray.	755,021	Mar. 22	3585	787	109	835
Lenzner, Samuel, Detroit, Mich. Weather-strip.	750,233	Feb. 16	3720	602	108	969
Leob, Miles L., Cleveland, Ohio. Detachable tooth-facing for bridgework or gold plates.	750,663	Jan. 26	4161	903	108	969
Leonard, Andrew J., Denver, Colo. Electric key selecting and striking mechanism.	777,521	Dec. 13	2066	474	111	514
Leonard, Charles T., Leonardo, N. J. Sleet-cutter and contact for electric railways.	762,644	June 14	2031	439	110	1897
Leonard, Clarence P. (See Taylor and Leonard.)						
Leonard, Daniel W., near Hurn, assignor of one-half to A. Zenkner, Centralia, Wash. Tilting attachment for vehicle-tops.	772,282	Oct. 11	2162	472	112	1442
Leonard, Elroy, Lenox, V. Va. Hand turning-tool.	765,624	July 19	3438	725	111	779
Leonard, George I., Pasadena, Cal. Carbon resistance and producing and adjusting same.	757,131	Apr. 12	1843	403	109	1752
Leonard, George I., Pasadena, Cal. Electrical resistance.	753,716	Mar. 1	965	219	109	208
Leonard, George I., Pasadena, Cal. Electrical heater.	760,075	May 17	2984	624	110	707
Leonard, George I., Pasadena, Cal. Resistance-sheet for electric heaters or rheostats.	760,076	May 17	2985	624	110	707
Leonard, Harry A., Philadelphia, Pa. Escapement for watches.	708,764	Aug. 30	5397	1137	111	2312
Leonard, John T., New York, N. Y. Sash-weight.	764,137	July 5	447	87	111	87
Leonard, John T., New York, N. Y. Sheet-metal revolving window.	752,283	Feb. 16	3720	602	108	969
Leone, George. (See Carley, Allen J., assignor.)	755,232	Mar. 22	3952	875	109	913
Leonhardt, Charles, New Ulm, Minn. Power-hammer.	765,020	July 12	2378	455	113	1898
Leopold, Charles F., and A. J. Hoover, Philadelphia, Pa. Sewer.	778,135	Dec. 20	3324	729	113	2175
Leopold, Julius, and M. M. Henker, Los Angeles, Cal. Toy rapid-fire gun.	773,853	Nov. 1	224	50	113	54
Lepage, Hippolyte, Paris, France. Internal-combustion engine for cycles.	754,929	Mar. 15	2905	745	109	778
Lepley, Daniel F., Connellsville, Pa. Duplex pump.	767,579	Aug. 16	2494	614	111	1728
Lepley, Daniel F., Connellsville, Pa. Blast-fan.	767,580	Aug. 16	2496	614 615	111	1729
Lepley, Daniel F., Connellsville, Pa. Clay-grinding pan.	772,621	Oct. 18	2840	623	112	1610
Lepper, Van Antwerp. (See Eggleston, Hardy, and Lepper.)						
Lersch Brothers. (See Leibe, Hugo, assignor.)						
Lersch, Frederick J., assignor of one-half to W. J. Laffey, Louisville, Ky. Car-door fastener.	777,738	Dec. 20	2497	551	113	3007
Lersch, Marshall E., Lawsonham, Pa. Fence-post.	753,892	Mar. 8	1354	305	109	312
Lerchner, Lester F., Charlottenburg, Germany. Washbowl or spittoon.	756,250	Apr. 5	113	24	109	1366
Lerol, Knud K., Jr., Amherst, Minn. Wire-reeler.	765,069	July 12	2416	503	111	541
Lerol, Knud K., Jr., Amherst, Minn. Wire-twister.	775,143	Nov. 15	3171	674	113	747
Leroux, Pierre E., Arras, France. Steam-generator.	776,923	Dec. 6	918	197 198	113	1628

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Leschen, Harry J., assignor to A. Leschen and Sons Rope Company, St. Louis, Mo. Automatic aerial wire-rope tramway.....	773,656	Nov. 1	225	50 51 52	113	55
Lescure, William J., <i>et al.</i> (See Walker, George B., assignor.)						
Lesh, Ira C., Longmont, Colo. Beet-harvester.....	765,090	July 12	2417	503	111	541
Leslie, Arthur. (See Leslie, Frank and A.)						
Leslie, Curtis W., deceased, Pittsburg, Pa.; T. A. Leslie, administratrix. Magazine torpedo-cane.....	761,309	May 31	5461	1160	110	1281
Leslie, Curtis W., deceased, Pittsburg, Pa.; T. A. Leslie, administratrix, assignor of one-third to Maline & Carew, Youngstown, Ohio. Trolley-wheel guard.....	761,308	May 31	5460	1160	110	1281
Leslie, Frank and A., New York, N. Y. Erasing-duplicate, printing-plates.....	763,446	Feb. 23	3916	877	108	1992
Leslie, James, Belfast, Ireland. Manufacture of carbonic acid.....	774,092	Nov. 1	1113	236	113	252
Leslie, James W., Wakefield, Mass. Curtain-ring.....	769,551	Sept. 6	805	173	112	182
Leslie, John F., South Bend, Ind. Wire-joint.....	756,251	Apr. 5	114	24	109	1366
Leslie, John H. (See Nora, Olof N., assignor.)						
Leslie, Leon M., New York, N. Y. Binder for loose-leaf ledgers.....	750,664	Jan. 26	4183	903	108	969
Leslie, Leon M., Leslie, N. J., assignor to William Mann Company. Binder.....	767,157	Aug. 9	2118	441	111	1528
Leslie, Leon M., Leslie, N. J., assignor to E. H. Fallows, New York, N. Y. Loose-leaf binder.....	774,093	Nov. 1	1114	237	113	252
Leslie, Theresa A., administratrix. (See Leslie, Curtis W.)						
Lesperance, Joseph, Montreal, Canada. Daylight plate-developing apparatus.....	750,665	Jan. 26	4165	903 904	108	970
Lesser, Ettie, New York, N. Y. Sleeve-drawer.....	764,952	July 12	2164	449	111	491
Lester, James F., Atlanta, Ga., assignor to himself, and C. Smith, trustees, New York, N. Y. Boiler-furnace.....	756,382	Apr. 5	391	80	109	1427
Lester, John E., Beatrice, assignor to J. W. Battin and R. E. Sunderland, Omaha, Nebr. Windmill-pump coupling.....	777,113	Dec. 13	1296	286	113	1731
Lester, Joseph B., Norwich, Conn. Saw-set.....	756,662	Apr. 5	891	195	109	1531
Letchworth, Ogden P., assignor to United Hame Company, Buffalo, N. Y. Hame and trace connector.....	755,894	Mar. 29	5238	1158	109	1212
Letendre, Peter A., Suncook, N. H. Rake.....	770,594	Sept. 20	2721	587	112	658
Letson and Burpee. (See Burpee, Frank W., assignor.)						
Letson & Burpee. (See Fulton, Fred B., assignor.)						
Letter Opening Company. (See Wolf and Garrett, assignors.)						
Letters, William H., Putnam, Conn. Garment-fitting stand.....						
Lettieri, Frank, <i>et al.</i> (See Milligan and Duncan, assignors.)						
Letts, Arthur. (See Alexander, Jesse, assignor.)						
Leue, Georg, Berlin, Germany. Appliance for transporting supplies to and from ships) at sea.....	775,981	Nov. 29	4974	1049 1050	113	1188
Leuschner, Oswald, Brooklyn, N. Y. Package-carrier.....	763,104	June 21	2949	636	110	2118
Leuthesser, Fred W., Chicago, Ill. Valve for radiators.....	756,383	Apr. 5	393	80	109	1427
Leuthesser, Fred W., assignor to Monash-Younger Company, Chicago, Ill. Air-valve for radiators.....	776,475	Nov. 29	5910	1248	113	1404
Lev, Benjamin, Cleveland, Ohio, assignor, by mesne assignments, to American Security and Trust Company, trustee, Washington, D. C. Safety attachment for cars.....	761,687	June 7	132	23	110	1468
Lev, Benjamin, Cleveland, Ohio, assignor, by mesne assignments, to American Security and Trust Company, trustee, Washington, D. C. Life-saving attachment for motor-cars.....	778,198	Dec. 20	3436	756	113	2197
Lev, Benjamin, Cleveland, Ohio, assignor, by mesne assignments, to American Security and Trust Company, trustee, Washington, D. C. Cushioning device for safety attachments for cars.....	778,199	Dec. 20	3438	756	113	2198
Lev, Benjamin, Cleveland, Ohio, assignor, by mesne assignments, to American Security and Trust Company, trustee, Washington, D. C. Flexible roller for safety attachments on motor-cars.....	778,200	Dec. 20	3439	756	113	2198
Levalley, Christopher W., Milwaukee, Wis. Shaft-hanger.....	750,666	Jan. 26	4171	904	108	971
Levalley, Christopher W., Milwaukee, Wis. Shaft-coupling.....	762,827	June 14	2413	325 326	110	1380
Levalley, Christopher W., Milwaukee, Wis. Chain.....	764,246	July 5	680	138	111	152
Levanseler, Frank E., Chicago, Ill. Coin-controlled vending-machine.....	757,321	Apr. 12	2222	485 486	109	1832
Levedahl, Axel, assignor to Aurora Automatic Machinery Company, Aurora, Ill. Yielding connection for driving gear.....	761,974	June 7	709	145	110	1594
Leveen, Samuel, Anderson, Ind. Advertising waste-paper box.....	757,403	Apr. 12	2385	519	109	1866
Levenberg, Samuel P., New York, N. Y. Telephone repeater and system.....	754,224	Mar. 8	1992	443	109	455
Levenson, Samuel. (See Wimmer, Louis, assignor.)						
Lever, Joseph F., Braddock, Pa. Metallic tie and rail fastener.....	757,404	Apr. 12	2386	519	109	1866
Lever Suspension Brake Company. (See Graham, John H., assignor.)						
Leveritt, Nicholas T., assignor of one-half to J. H. Cameron, Paris, Tex. Tire-tightener.....	767,649	Aug. 16	3068	641	111	1757
Levey, Wilber H., Woodstock, Ill. Portable dark room.....	754,659	Mar. 15	2900	634	109	666
Levey, Wilber H., Woodstock, Ill. Kitchen utensil.....	774,768	Nov. 15	2895	516	113	570
Levin, Arvid M., Joliet, Ill. Turbine.....	772,242	Oct. 11	2088	456 457	112	1423
Levin, Walter S., New York, N. Y. Electric switch.....	776,521	Dec. 6	89	21, 22	113	1444
Levine, Charles W., Rockford, Ill. Reeling device.....	776,604	Dec. 6	273	60	113	1490
Levine, Morris, Wakefield, Mass. Can-closure.....	776,190	Nov. 29	5364	1136	113	1278
Levingston, Aaron, <i>et al.</i> (See Sturgis, Herbert M., assignor.)						
Levinsohn, Samuel. (See Dengum and Levinsohn.)						
Levison, Alexander, San Francisco, Cal. Manifold-book.....	775,833	Nov. 22	4656	986 987	113	1100
Levison, Emanuel, assignor to Phoenix Electric Manufacturing Company, Mansfield, Ohio. Automatic electrical regulator.....	767,708	Aug. 16	3161	661	111	1778
Levitt, Harvey A., Aitken, Mich. Horse-releaser.....	774,094	Nov. 1	1116	237	113	252
Levoy, Benjamin M., New York, N. Y. Eyeglasses.....	768,609	Aug. 30	5900	1069	111	2245
Levy, Abraham B. (See Bleo, John H., assignor.)						
Levy, Charles, New York, N. Y. Device for cleaning windows.....	767,650	Aug. 16	3069	641	111	1758
Levy, Gotthold, Künigsberg, Germany. Latch.....	776,073	Nov. 29	5142	1086	113	1228
Levy, Harry D., <i>et al.</i> (See Beardsley, Robert F. W., assignor.)						
Levy, Jacob M., Baltimore, Md. Device for holding cloth while spreading or piling.....	770,133	May 17	3109	650	110	735
Levy, Lydia, <i>et al.</i> (See Beardsley, Robert F. W., assignor.)						
Levy, Max J., assignor to J. D. Gould, New York, N. Y. Thermostat.....	774,847	Nov. 15	2574	553	113	608
Ley, Rose, <i>et al.</i> (See Beardsley, Robert F. W., assignor.)						
Levy, William L., and C. E. Dressler, New York, N. Y.; said Dressler assignor to said Levy. Display device for electric lamps.....	770,529	Sept. 20	2655	562	112	632
Lewellyn, Matthew C., Buffalo, N. Y. Necktie-retainer.....	749,621	Jan. 12	2177	457	108	505
Lewellyn, Oscar I., and J. W. Schock, Kokomo, Ind. Vacuum-frame.....	750,667	Jan. 26	4173	905	108	971
Lewiak, Stanislaw, Warsaw, Russia. Apparatus for condensing and bleaching oils.....	751,187	Feb. 2	753	173	108	1216
Lewin, Albert. (See Arthur, James W., assignor.)						
Lewin, Carl, San Francisco, Cal. Automatic tap.....	774,729	Nov. 8	2335	502	113	536

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Lewis, A. R., <i>et al.</i> (See Clark, Shelton C., assignor.)						
Lewis, Albert. (See Lewis, Shirley S. and A.)						
Lewis, Albert H., assignor of eleven-twentieths to A. H. Tipton, Uhrichsville, and H. Clutz, Midvale, Ohio. Journal-box	772,725	Oct. 18	3049	668	112	1655
Lewis, Albert H., assignor of three-fourths to A. G. Quimby, J. C. Shields, and A. E. Spear, Uhrichsville, Ohio. Mine-door	756,863	Apr. 12	1290	1288	109	1635
Lewis, Alfred, assignor to Mobbs and Lewis, Limited, Kettering, England. Filler or form for boots or shoes						
Lewis, Arthur C. (See Jarvis, Thompson F., assignor.)	775,571	Nov. 22	4149	873	113	992
Lewis, Charles, Toronto, Canada. Extracting soluble albumen from milk	765,898	July 26	4003		111	911
Lewis, Charles E., Braddock, and J. Dick, East Pittsburg, Pa. Hydraulic valve	749,136	Jan. 5	1182	252	108	874
Lewis, Charles H., and C. Book, Harpster, Ohio. Fence-post	756,032	Mar. 29	5508	1214	109	1270
Lewis, Charles M., Camden, N. J. Link belt or chain	770,081	Sept. 13	1774	376	112	418
Lewis, Daniel M., Waterbury, Conn. Extension-bracket	762,540	June 14	1835	393	110	1856
Lewis, David E. (See Thomas and Lewis.)						
Lewis, Edgar E., assignor of one-half to S. M. Douglas, Ardmore, Ind. Ter. Bottle	763,914	June 28	4542	991	110	2484
Lewis, Edgar M., Moundsville, W. Va. Fastening and suspension device	754,323	Mar. 8	2163	479	109	489
Lewis, Edward R., Springfield, Mass. Device for aiding combustion in boiler-furnaces	754,151	Mar. 8	1842	411	109	423
Lewis, Frank L., Neche, N. D. Grain-separator	764,478	July 5	1160	236	111	256
Lewis, Fredrick W., F. M. Farren, and E. F. Smith, Weymouth, Mass. Bottle	761,775	June 7	325	65	110	1511
Lewis Gas Engine and Machine Company. (See Lewis, Shirley S. and A., assignors.)						
Lewis, George G., Athens, Ohio. Mine-drill	770,376	Sept. 20	2365	499	112	569
Lewis, George W., Carlisle, Iowa. Chimney-base protector	774,258	Nov. 8	1401	299	113	333
Lewis, Harry A., Norristown, assignor of one-half to A. D. Wood, Conshohocken, Pa. Electric crane	771,987	Oct. 11	1546	346	112	1308
Lewis, Harry A., Norristown, and W. J. Caskey, Philadelphia, Pa. Switch	766,044	July 26	4289	919	111	873
Lewis, Harry T., Lantana, Fla. Crate-basket	778,544	Dec. 27	4124	888	113	2366
Lewis, Henry J., Minneapolis, Minn. Cigar-box filler	748,624	Jan. 5	140	33,34	108	32
Lewis, J. F., <i>et al.</i> (See W. W. Hamilton, C., assignor.)						
Lewis, James, Montrose, W. Va. Car-stake	762,423	June 14	1568	344	110	1799
Lewis, James T., Chattanooga, Tenn. Air-relief valve	775,661	Nov. 22	4386	915	113	1033
Lewis, John W., Bokoshe, Ind. Ter. Artificial stone	771,479	Oct. 4	504		112	1066
Lewis, Joseph, Sault Ste. Marie, Canada. Safety appliance for mining-hoists	748,962	Jan. 5	738	170	118	179
Lewis, Joseph E., assignor to Whitlock Coil Pipe Company, Hartford, Conn. Feed-water heater	757,665	Apr. 19	2925	1635	109	2000
Lewis, Leopold, Strasburg, Germany. Surgical knife	778,684	Dec. 27	4391	950	113	2424
Lewis, Lester L. (See Mitchell and Lewis.)						
Lewis, Marcellus B., Enterprise, Miss. Plant-protector	756,123	Mar. 29	5677	1253	109	1307
Lewis, Marvin W., assignor, by mesne assignments, to Central Gas Appliance Company, Cleveland, Ohio. Gas-burner valve mechanism	764,364	July 5	934	189	111	206
Lewis, Melvin J., Ypsilanti, Mich. Extension-ladder	749,070	Jan. 5	1049	221	108	241
Lewis, Miles K., Lompoc, Cal. Automatic gate	775,756	Nov. 22	4509	956	113	1070
Lewis, Mortimer G., New York, N. Y., assignor to Emmert Manufacturing Company, Waynesboro, Pa. Bench-vice	768,810	Aug. 30	5480	1153	111	2330
Lewis, Nathan L., New York, N. Y. Talking-machine	774,482	Nov. 8	1811	392	113	422
Lewis, Nelson. (See Hamilton and Lewis.)						
Lewis, Ralph C., Boston, Mass. Motor-vehicle	778,455	Dec. 27	3971	864	113	2332
Lewis, Samuel M., Portsmouth, Va. Journal-box	767,581	Aug. 16	2393	615	111	1729
Lewis, Samuel W., Brooklyn, N. Y. Waste mechanism for washbasins, baths, &c.	756,663	Apr. 5	692	195	109	1531
Lewis, Shirley S. and A., Syracuse, N. Y. Explosion-motor	773,021	Oct. 25	3631	784	112	1800
Lewis, Shirley S. and A., Syracuse, N. Y., assignors to Lewis Gas Engine and Machine Company. Explosive-engine	754,466	Mar. 15	2521	550	109	585
Lewis, Spencer K. (See Evans, Edwin W., assignor.)						
Lewis, Theodore G., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Bench-block	765,344	July 19	2890	605	111	663
Lewis, Thomas E., Fort Worth, Tex. Acetylene-gas generator	778,032	Dec. 20	3163	696	113	2140
Lewis, Willard I., Walpole, Mass. Machine for applying fly-leaves or the like to signatures of books	774,726	Nov. 8	2309	500	113	532
Lewis, William E., Owosso, Mich. Rotary plant-chopper	756,384	Apr. 5	305	80	109	1428
Lewis, William H. (See McDonald, Simon J., assignor.)						
Lewis, William N., Abingdon, Ill. Handle	749,869	Jan. 19	2675	572	108	632
Lewman, Harry L., Atlanta, Ga. Binder for concrete constructions	767,582	Aug. 16	2393	615	111	1730
Lewzey, Fredrick J., San Francisco, Cal. Mattress	749,901	Jan. 19	2737	586	108	646
Lexen, Joseph. (See Cissna, Ira J., assignor.)						
Lexner, George D., Lexington, Mass. Trace-fastening	762,593	June 14	1930	416	110	1876
Ley, Francis, Epperstone Manor, county of Nottingham, England. Pitch-chain	764,298	July 5	781	159	111	172
Ley, Joseph H., Kellogg, Minn. Pneumatic stacker	749,737	Jan. 19	2435	518	108	579
Leyer, Amand, Philadelphia, Pa. Drier	767,158	Aug. 9	2120	441	111	1529
Leyer, William J., Erie, Pa. Metal-holding apparatus for flat-bed lithographic printing presses	748,871	Jan. 5	603	136	108	135
Leyner, John G., Denver, Colo. Ejecting rock-cuttings from holes in rock while drilling them	756,972	Apr. 12	1512	393	109	1680
Lhot, Theodor, Vienna, Austria-Hungary. Photograph	757,322	Apr. 12	2324	486	109	1832
Liais, Lucien, Paris, France. Vapor incandescent lamp	768,392	Aug. 23	4620	967	111	2126
Libbey Glass Company. (See Nolan, Cornelius J., assignor.)						
Libbey Glass Company. (See Richardson, Solon O., Jr., assignor.)						
Libbey, Mark A., South Berwick, Me. Detonating-alarm fire-extinguisher	767,902	Aug. 16	3539	749	111	1860
Libby, Albion D. T., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system	749,306	Jan. 12	1543	328	108	371
Liberman, Isadore, Philadelphia, Pa. Pressure-rolls for cigar-wrapper cutter and rolling tables	752,847	Feb. 23	3917	878	108	1962
Liberty Association. (See Walker, Charles, assignor.)						
Liberty Bell Company. (See Rockwell, Edward D., assignor.)						
Liberty, Emery, New York, N. Y. Teller's window	774,190	Nov. 8	1281	272	113	306
Liberty Manufacturing Company. (See Hart, Thomas J., assignor.)						
Library Bureau. (See Hunter, David E., assignor.)						
Library Bureau. (See Parsons, Newell B., assignor.)						
Library Bureau. (See Parsons, Winslow, and Kail, assignors.)						
Liburnau, Norbert L. von. (See Kaltenegger and Liburnau.)						
Licht, Heinrich. (See Gutstein, Adolf, assignor.)						
Lichtenberger, Max, assignor to L. Wertheimer, New York, N. Y. Preparing wood and the product thereof	754,782	Mar. 15	3142		109	721

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Lichtenwalner, Edwin J. (See Gross, Edwin J., assignor.)						
Lickman, Charles. (See Miller, Robert F., assignor.)						
Liddle, Alfred S., Chanute, Kans. Attachment for rules	763,915	June 28	4543	991	110	2484
Lidgerwood Manufacturing Company. (See Baechtold, Charles A., assignor.)						
Lidgerwood Manufacturing Company. (See Covell, Harry N., assignor.)						
Lidgerwood Manufacturing Company. (See Foster, Jed S., assignor.)						
Lieb, Charles A., New York, N. Y. Portable power plant	751,798	Feb. 9	1877	427	108	1475
Lieb, Johann, Cologne, Germany. Producing pit-coal or coke briquets	756,124	Mar. 29	5679		109	1307
Liebau, Gustav, Maurer, N. J. Fireproof construction	754,783	Mar. 18	3148	685	109	721
Liebau, Gustav O. A., Moscow, Russia. Lamp-extinguishing device	763,007	June 21	2764	599	110	2078
				251		
				262		
Liebau, John, Durgy, N. C. Supporting-frame	777,037	Dec. 6	1156		113	1684
Lieberknecht, William C. (See Drummond and Lieberknecht.)						
Liebert, Henry A. E., Milnrow, near Rochdale, England. Hack-sawing machine	769,265	Sept. 6	250	58,59	112	54
Liebl, Wenzl, Pittsburg, Pa. Hose-coupling	758,985	May 3	800	161	110	185
Liebman, Albert. (See Lachmann, Robert A., assignor.)						
Liebman, Isaac, et al. (See Thomas, Larkin A., assignor.)						
Liebold, Richard, Weimar, Germany. Manufacture of acid-proof and impermeable cement	771,080	Sept. 27	3738		112	890
Liebrecht, Arthur, Frankfurt-on-the-Main, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Iodoxy compound and making same	777,962	Dec. 20	2989		113	2105
Liebreich, Hans, Boston, Mass., assignor to International Electric Company. Electric generator	752,236	Feb. 16	2721	1602	108	1684
				1603		
Liebrock, George F., Chicago, Ill. Bung-lock	751,525	Feb. 9	1361	311	108	1367
Liedbeck, Alarik, Stockholm, Sweden. Centrifugal apparatus	750,668	June 21	4175	905	108	972
Lienke, Herman H., St. Louis, Mo. Rotary engine	764,247	July 5	682	138	111	152
				139		
Lienekampf, Otto, and W. Nauck, Leipzig, Germany. Photographic developing apparatus	757,323	Apr. 12	2225	486	109	1832
Lier, Gottlieb. (See Schwarzenbach and Lier.)						
Lieske, Frank, assignor of one-half to J. J. Moriarty, Marquette, Mich. Rail-joint	766,710	Aug. 2	1170	244	111	1302
Liggins, William L., St. Louis, Mo. Steam-cooker	749,568	Jan. 12	2092	1435	108	490
Lightfoot, Richard T. (See Foreman and Lightfoot.)						
Lighthouse, John C., Rochester, N. Y. Mail-bag	777,214	Dec. 13	1478	327	113	1770
Lightner, Henry F., Newcastile, Pa. Construction of buildings	764,061	July 5	391	56	111	66
Ligon, Robert E., et al. (See Cumnock, Robert L., assignor.) (Reissue.)						
Lilhe, Ieus P., assignor to Grassell Chemical Company, Cleveland, Ohio. Preserved wood and preparing same	756,173	Mar. 29	5749	1370	109	1322
Likins, Nelson, St. Paul, Minn. Acetylene-gas generator	762,730	June 14	2216	481	110	1936
Lilienfeld, Maurice, Berlin, Germany. Manufacture of electrodes of arc-lamps	769,003	Aug. 30	5886	1235	111	2423
Lill, Jacob, Chicago, Ill. Wrench	770,687	Sept. 30	2954	627	112	700
Lillie, Samuel M., Philadelphia, Pa. Multiple-effect evaporating apparatus	777,114	Dec. 13	1298	287	113	1731
Lilly, William C. (See Wilke, Ferdinand, assignor.)						
Lima Locomotive and Machine Company. (See Carnes, Ira P., assignor.)						
Limbaugh, Moses, Grand Junction, Colo. Alfalfa-creaser	759,896	May 17	2638	552	110	627
Limbeck, Zdenko von, Vienna, Austria-Hungary. Fish-tail propeller	753,717	Mar. 1	967	219	109	208
Limbert, George W., Sasparaco, Tex. Fuel-feeding device	749,306	Jan. 12	1338	287	108	328
Lineburner, John E., Swarthmore, Pa. Nose-guard for eyeglasses	775,085	Nov. 15	3048	647	113	721
Limerick, Clem B., Mount Sylvania, Tex. Seat-brace	776,837	Dec. 6	801	173	113	1608
Linabury, Charles H. (See Freer and Linabury.)						
Lincoln, Alice G., administratrix. (See Lincoln, Frederick.)						
Lincoln, Frederick, deceased, Warren, Mass.; A. G. Lincoln, administratrix. Compound engine	755,508	Mar. 22	4455	990	109	1019
Lincoln, Paul M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electrical distribution	774,764	Nov. 15	2395	517	113	570
Lincoln, Robert B. (See Rheutan, Garrett H., assignor.)						
Lincoln, Ward, assignor to Sterling Manufacturing Company, Rockfalls, Ill. Hay-rake. (Reissue.)	12,194	Jan. 19	3888	732	108	785
Lind, Ernest A., Lawrence, Mass. Self-oiling loose-pulley hub and bushing	763,409	June 28	3577	772	110	2279
Lindal, Peter S., Edinburg, Pa. Insulator	751,739	Feb. 9	1769	402	108	1452
Lindal, Robert H. (See Haynes and Lindal.)						
Lindall, John. (See Sergeant and Lindall.)						
Lindall, John, Boston, Mass. Electrical contact device	755,782	Mar. 29	5020	1116	109	1161
Lindall, John, Boston, Mass. Electric controller	768,610	Aug. 30	5091	1069	111	2245
				875		
Lindauer, Julius, Paris, France. Corset-attachment blouse-extender	755,233	Mar. 22	3953		109	913
				876		
Lindauer, Julius, Paris, France. Clasp for hose-supporters	766,272	Aug. 2	272	55	111	1100
Lindberg, Beatrice E., Fairbault, Minn. School-lock	764,479	July 5	1161	237	111	856
Lindberg, John, et al. (See Leighton, Joseph, assignor.)						
Lindberg, John A., et al. (See Leighton, Joseph, assignor.)						
Lindberg, John A., Worcester, Mass. Pencil-holder	769,951	Sept. 13	1551	331	112	307
Lindberg, Otto, Bristol, Conn. Vise	777,907	Dec. 20	2881	634	113	2083
Lindblad, Fredrik, New York, N. Y. Carpenter's tool	750,866	Feb. 2	159	38	108	1092
Lindlöf, Leonard, Helsingfors, Russia. Machine for automatically preparing and feeding tobacco for cigarette-machines	762,068	June 7	879	180	110	1627
				181		
Lindeman, Frederick J., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding for electrical machines	753,278	Mar. 1	117	29	109	29
Lindemeyer, Philip, Baltimore, Md. Vessel-top	763,618	June 28	3948	850	110	2357
Linden, Frank L., assignor to Linden Glass Company, Chicago, Ill. Leaded glass mosaic	752,346	Feb. 16	2943	585	108	1733
Linden Glass Company. (See Linden, Frank L., assignor.)						
Lindenberger, Carl R., assignor to M. C. Lilley & Company, Columbus, Ohio. Hoodwink	773,291	Oct. 25	4945	917	112	1906
Lindenberger, Herman, West Hoboken, N. J. Apparatus for treating yarn	754,784	Mar. 18	3145	685	109	721
Lindenberger, Theodore, Columbus, Ohio. Pneumatic-tired wheel	750,379	Jan. 26	3637	789	108	860
Linder, George, and J. Reich, assignors of one-third to H. J. Rock, Milwaukee, Wis. Steam-boiler	778,938	Dec. 27	4670	1021	113	2486
				1022		
Linderman, Frank M., Chicago, Ill. Belt-cutter and square	777,038	Dec. 6	1159	252	113	1685
Linderman, Jay S., assignor of two-thirds to A. W. Beal and S. B. Smith, Detroit, Mich. Car-starter	768,469	Aug. 23	4774	1000	111	2159
Linderöth, Herman A., Österby, Stjensund, Sweden. Bed-chair or bed-sofa	749,307	Jan. 12	1555	329	108	374
Lindgren, Alexis C., Moline, Ill., assignor to Moline Plow Company. Cultivator	776,788	Dec. 6	649	142	113	1569
				143		
Lindgren, August, Moline, Ill., assignor to Moline Plow Company. Cultivator	751,314	Feb. 2	1013	230	108	1274
Lindgren, August, Moline, Ill., assignor to Moline Plow Company. Seeding-machine	773,947	Nov. 1	832	174	113	191
Lindgren, August, Moline, Ill., assignor to Moline Plow Company. Seeding-machine	774,095	Nov. 1	1117	238	113	253

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Lindgren, Elof, New York, N. Y. Combined chair and bedstead	759,897	May 17	2639	553	110	627
Lindgren, Eric W., Stockholm, Sweden. Apparatus for automatic delivery of fluids or other goods	707,903	Aug. 16	3540	749 750	111	1860
Lindgren, Gilbert O., Sioux City, Iowa. Automatic draft-regulator	750,669	Jan. 26	4176	906	108	972
Lindholm, Johan O. N., Stockholm, Sweden. Safety-lock for sacks, bags, &c.	751,313	Feb. 2	1015	230	108	1274
Lindley, William H. (See Tuttle, Lindley, and Tuttle.)						
Lindman, Bernhard, Montreal, Canada. Truss	769,952	Sept. 13	1552	331	112	367
Lindmark, Tore G. E., Stockholm, Sweden. Turbine-wheel	751,315	Feb. 2	1017	231	108	1274
Lindmark, Tore G. E., Stockholm, Sweden. Compound steam-turbine	751,316	Feb. 2	1017	231	108	1274
Lindmark, Tore G. E., Stockholm, Sweden. Regulator for elastic-fluid turbines	760,003	May 17	2853	596 597	110	677
Lindmark, Tore G. E., Stockholm, Sweden. Elastic-fluid turbine	761,238	May 31	5315	1129	110	1250
Lindmark, Tore G. E., Stockholm, Sweden. Exhaust-heater for compound motors	773,657	Nov. 1	237	52, 53	113	57
Lindner, Arthur E., Fultonville, N. Y. Glove-sewing machine	772,044	Oct. 11	1672	373	112	1332
Lindner, Frank H., Bayonne, N. J. Oscillating-piston engine.	756,664	Apr. 5	894	195 196 197	109	1532
Lindquist, Charles, Deerlodge, Mont. Harrow	765,021	July 12	2279	474 475	111	514
Lindquist, David L. (See Sundh and Lindquist.)						
Lindquist, David L., Yonkers, N. Y. Friction-gear	758,323	Apr. 26	4234	910	109	2306
Lindquist, David L., Yonkers, N. Y. Electromagnet	764,608	July 12	1461	298	111	336
Lindquist, Edward W., Chicago, Ill., assignor to R. Baggaley, Pittsburg, Pa. Weighing-hopper	761,515	May 31	5825	1245	110	1365
Lindquist, Edward W., Chicago, Ill., assignor to R. Baggaley, Pittsburg, Pa. Truck for handling material	774,587	Nov. 8	3017	440	113	464
Lindquist, John S., Swedeburg, Nebr. Churn	770,380	Jan. 26	3638	730	108	360
Lindrose, Pierre A., Hattiesburg, Miss. Vehicle	773,402	Oct. 25	4575	966	112	2014
Lindsay, Alexander. (See Gilmour and Lindsay.)						
Lindsay, Alexander, and J. Meinert, Davenport, Iowa. Mechanical movement	751,317	Feb. 2	1019	231	108	1275
Lindsay, Alfred, East Orange, N. J. Striking-bar	760,004	May 17	2856	597	110	677
Lindsay, Clarence A., New York, N. Y. Nipple or mouthpiece	774,848	Nov. 15	2576	533	113	608
Lindsay, Franklin, Peoria, Ill. Garment-pressing machine	753,596	Mar. 1	731	163	109	159
Lindsay, George F., and W. P. Gunn, Sherman, Tex. Spoke-tightener	751,662	Feb. 9	1619	368	108	1421
Lindsay, James W. and W. C. Paris, Tex. Baling-press	773,510	Oct. 25	4820	1015	112	2057
Lindsay, John, Crafton, and R. J. Cunningham, assignors of one-third to J. W. Veach, Pittsburg, Pa. Furnace for the reduction of garbage or other refuse matter	776,605	Dec. 6	274	60 609 610	113	1490
Lindsay, Samuel D., Chicago, Ill. Rope measuring and delivering device	774,987	Nov. 15	2875	610	113	676
Lindsay, Thomas J., assignor of one-half to W. Harmon, Indianapolis, Ind. Shaft-bearing	748,625	Jan. 5	142	34	108	32
Lindsay, Thomas J., Indianapolis, Ind., assignor to himself and W. Harmon. Driving-axle structure for motor-vehicles	748,760	Jan. 5	384	88	108	85
Lindsay, Thomas J., Indianapolis, Ind., assignor to himself and W. Harmon. Driving-axle adjustment for automobiles	750,867	Feb. 2	161	38	108	1093
Lindsay, Worley C. (See Lindsay, James W. and W. C.)						
Linsley, Lucius A., S. McConnell, and C. C. Hudson, Atlanta, Ga. Railway-switch and operating means therefor	750,385	May 10	1650	335	110	394
Linsley, William F., and W. H. Finley, Samoth, Ill. Fence-building apparatus	772,810	Oct. 18	3212	699	112	1689
Linsley, William L., Pittsburg, Pa. Memorandum-receptacle	778,053	Dec. 20	3166	606	113	2141
Lindstrom, Charles A. (See Van Wagoner and Lindstrom.)						
Lindström, Charles A., Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Car-door mechanism	758,456	Apr. 26	4485	964 1002	109	2361
Lindström, Charles A., Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Car-cholster	758,542	Apr. 26	4657	1003	109	2400
Lindström, Charles A., Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Striking-plate and carrier-iron support for cars	771,164	Sept. 27	3900	825	112	927
Lindström, Charles A., Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. End stake for cars	774,569	Nov. 8	2019	441	113	465
Lindström, Charles A., and A. Struckl, Allegheny, assignors to Pressed Steel Car Company, Pittsburg, Pa. Steel-frame box-car	755,022	Mar. 22	3585	787 788	109	835
Lindström, Charles A., Allegheny, and F. Ditchfield, Bellevue, assignors to Pressed Steel Car Company, Pittsburg, Pa. Car-door mechanism	774,588	Nov. 8	2018	440	113	464
Lindström, Charles A., Allegheny, and J. F. Streib, Avalon, assignors to Pressed Steel Car Company, Pittsburg, Pa. Car-frame	750,290	Jan. 26	3473	751	108	823
Lindström, Charles A., Allegheny, and J. F. Streib, Avalon, assignors to Pressed Steel Car Company, Pittsburg, Pa. Car	759,290	May 10	1464	292	110	355
Lindström, John A., Easton, Pa. Pneumatic tool	777,681	Dec. 20	2394	526	113	1983
Lineback, Alfred S., Ophir, Utah. Steam-engine	752,237	Feb. 16	2727	604	108	1685
Linendoll, Orin J., and A. T. Houghten, assignors to Union Specialty Co., Detroit, Mich. Combined automatic shower and vapor bath adjustable frame	757,933	Apr. 19	3438	749	109	2112
Lines, Jesse, Sabetha, Kans. Dispensing-cabinet	759,724	May 10	2295	476 477	110	535
Lingard, Thomas W., Oakgrove, Ala. Rail-clamp	760,461	May 24	3727	789	110	889
Lingle, J. Howard. (See Seibert, James D., assignor.)						
Linhard, George and P. Sublett, Mo. Car-fender	755,509	Mar. 22	4458	999	109	1020
Linhard, Philip. (See Linhard, George and P.)						
Linindoll, Charles C., Fort Edward, N. Y. Coin-counting machine	765,741	July 26	3700	789	111	846
Linindoll, Charles C. and L. C., Fort Edward, N. Y. Dress-shield fastener	763,990	July 5	129	21	111	35
Linindoll, Lottie C. (See Linindoll, Charles C. and L. C.)						
Link Belt Engineering Company. (See Dodge, James M., assignor.)						
Link Belt Engineering Company. (See Peck, Frederick V., assignor.)						
Link Belt Machinery Company. (See Peck, Stanton B., assignor.)						
Link, Bert H., and C. S. Brenholts, Olean, N. Y. Combined pipe-reamer and thread-cutter	778,753	Dec. 27	4513	988	113	2450
Link, Elijah, Piqua, Ohio. Weeder	777,963	Oct. 29	2911	655	113	2105
Link, Oliver, St. Charles, Mo. Bell or signal cord hanger	771,480	Oct. 4	505	114	112	1066
Link, Oliver, St. Charles, assignor to American Car & Foundry Company, St. Louis, Mo. Funnel-cock for hot-water heating systems	759,633	May 10	2114	434	110	496
Link, Oliver, and A. Schneider, St. Charles, Mo. Ash-pan	751,929	Feb. 9	2143	484	108	1353
Link, Vincent, assignor to Geneva Automobile & Mfg. Co., Geneva, Ohio. Automobile	777,964	Dec. 20	2992	636	113	2106
Link, William. (See Sullivan and Ryan, assignors.)						
Links, Theodore, New York, N. Y. Waste-pipe trap	767,904	Aug. 16	3543	750	111	1861
Links, Adolph. (See Kraus and Links.)						
Links, Adolph, and B. Kraus, San Francisco, Cal. Chalk-holder	777,522	Dec. 13	2067	455	113	1898

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Linn, Andrew P., Escanaba, Mich. Sleigh	778,054	Dec. 20	3167	696 697	113	2141
Linn, George E., Springfield, Ohio. Machine for equipping vehicle-wheels with rubber tires	755,895	Mar. 29	5239	1158	109	1213
Linn, John A., assignor of one-fourth to G. A. Kingsley, Pagosa Springs, Colo. Non-refillable bottle	762,828	June 14	2415	536	110	1980
Linn, John E., Schenectady, N. Y., assignor to General Electric Company. Motor-control system	764,480	July 5	1162	237	111	256
Linn, Samuel H., Rochester, N. Y. Inhaler	770,013	Sept. 13	1669	355	112	394
Linn, Samuel H., Rochester, N. Y. Electromedical appliance	770,014	Sept. 13	1670	355	112	395
Linnan, Chas. F., et al. (See Kempton, Benjamin S., assignor.)						
Linnekogel, Heinrich, Feuerbach, Germany. Plastic composition for covering floors	770,092	Sept. 13	1775		112	418
Linnert, Frank W., Warrenton, Mo. Friction speed-regulator	750,056	Jan. 19	3049	653	108	712
Linney, Arthur J., et al. (See Hough, Hiram J., assignor.)						
Linotype Company. (See Barr, Mark, assignor.)						
Linotype Company. (See North, Thomas M., assignor.)						
Linotype Company. (See Pollen and Barr, assignors.)						
Linotype and Machinery. (See Barr, Mark, assignor.)						
Linotype and Machinery. (See North, Thomas M., assignor.)						
Linotype and Machinery, Limited. (See North, Thomas M., assignor.)						
Linsley, Albert I., Bedford, Ohio. Nut-lock	755,146	Mar. 22	3798	836	109	882
Linsmayer, Ferdinand, Minneapolis, Minn. Extensible box-couch	777,965	Dec. 20	5998	656 789	113	2106
Lintern, William, Westpark, Ohio. Track-sander for motor-cars	765,742	July 26	3702	790	111	846
Lintern, William, Westpark, Ohio. Means for operating pneumatic valves	765,743	July 26	3704	790	111	847
Linthicum, David H., Pittsburg, Kans. Continuous baling-press	755,896	Mar. 29	5240	1159	109	1213
Linton, Ernest, assignor of three-fourths to F. Leake, W. Shambeau, and J. H. Spengler, Marion, Wis. Liquid-measuring tank	748,761	Jan. 5	386	88	108	86
Linvile, Logan, assignor of one-half to W. W. Straughn, Riverside, W. Va. Register	768,470	Aug. 23	4775	1001	111	2159
Lipp, Albert B., Sidney, Mo. Dust-extractor	770,762	Sept. 27	3094	656	112	747
Lipp, Albert E., Haddonfield, N. J. Multiple-view back for cameras	753,279	Mar. 1	119	23	109	29
Lippart, Frank, and H. C. Warren, Clearfield, Pa. Powder-charger	775,629	Nov. 22	4265	871 874	113	1010
Lippelt, Hans, New York, N. Y. Electrical induction-machine	756,793	Apr. 5	1151	255 256	109	1590
Lippert, George E. (See Smith and Lippert.)						
Lippert, Leon, Newport, Ky. Cover for chair-seats	770,973	Sept. 27	3519	742	112	844
Lippert, William C., Salem, Ohio, assignor of one-third to W. A. McGuire, Braddock, Pa. Locking device for rivet-sets	777,476	Dec. 13	1985	439	113	1882
Lippincott, Fisher H., Philadelphia, Pa., assignor to American Soda-Fountain Company, Jersey City, N. J. Soda-water apparatus	753,718	Mar. 1	968	219 220	109	208
Lippincott, Fisher H., Philadelphia, Pa., assignor to American Soda-Fountain Company, Jersey City, N. J. Feed mechanism	759,291	May 10	1465	293	110	855
Lippitt, Elihu, Chicago, Ill. Frame for incandescent mantles	761,592	May 31	5964	1279 1280	110	1396
Lippy, David. (See Patten and Lippy.)						
Lipschutz, Arthur. (See Wolff and Lipschutz.)						
Lipschutz, Arthur, St. Louis, Mo. Brake-rod jaw	753,084	Feb. 23	4409	960	108	2074
Lipschutz, Arthur, St. Louis, Mo. Brake-jaw for car brake-rods	768,879	Aug. 30	5644	1188	111	2367
Lipschutz, Arthur, St. Louis, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam	754,785	Mar. 15	3149	688	109	722
Lipschutz, Arthur, assignor to American Car & Foundry Company, St. Louis, Mo. Car-body stake	766,048	July 26	4201	919	111	973
Lipschutz, Arthur, St. Louis, Mo., assignor of two-thirds to M. Toltz, St. Paul, Minn., and H. W. Wolff, St. Louis, Mo. Combined freight and dump car	750,670	Jan. 26	4177	906 907	108	972
Liquid (Electric) Register Syndicate. (See Cassal, Hans J. S., assignor.)						
Lischkoff, Kete. (See Taylor, Virgil P., assignor.)						
Lisle, James, Sargent, Nebr. Device for extracting rods, &c., from wells	760,219	May 17	3279	688	110	771
Lispender, George, New York, and E. C. Truyster, West New Brighton, assignors to Nordlinger, Charlton Fire Works Company, New York, N. Y. Machine for making fuses	757,580	Apr. 19	2758	602 603	109	1963
List, William B. (See Williams, Charles E., assignor.)						
Lister, Charles H. (See Frink and Lister.)						
Litaker, Thomas F., assignor of one-half to B. L. Umberger, Concord, N. C. Fire-alarm	757,934	Apr. 19	3439	745	109	2112
Litchfield, Edgar C. and H. L., assignors to Litchfield Mfg. Co., Webster City, Iowa. Fertilizer-distributor	749,695	Jan. 12	2326	491	108	539
Litchfield, Henry L. (See Litchfield, Edgar C. and H. L.)						
Litchfield, John F., Worcester, Mass. Elastic cushion-heel	766,711	Aug. 2	1171	244	111	1302
Litchfield Mfg. Co. (See Litchfield, Edgar C. and H. L., assignors.)						
Litchfield, Paul W., Akron, Ohio. Vehicle-tire	755,147	Mar. 22	3799	837	109	883
Litchfield, Walter D., Schenectady, N. Y., assignor to General Electric Company. Field-coil and making same	764,481	July 5	1166	238	111	257
Little, Albert A., Lima, Ohio. Stove	757,046	Apr. 12	1674	363	109	1715
Little, Albert A., Independence, Kans. Heating-stove	773,799	Nov. 1	499	100	113	116
Little, Charles W., Lincoln, Nebr. Explosive-engine	772,160	Oct. 11	1913	424	112	1384
Little, Edmund B., Union City, Tenn. Barrel truck and hoist	750,671	Jan. 26	4181	907	108	973
Little, Edmund B., Union City, Tenn. Catalogue-binder	776,924	Dec. 6	920	199	113	1629
Little, George G., St. Louis, Mo. Safety attachment for elevators	757,394	Apr. 12	2226	487	109	1832
Little Giant Fire-Extinguisher Company. (See Yost, Fernando, assignor.)						
Little, H. W., et al. (See Couch, Charles A., assignor.)						
Little, Henry C., Boston, Mass. Electric time-switch	758,084	Apr. 26	3748	815	109	2197
Little, Henry C., Boston, Mass. Time circuit-controlling apparatus	766,507	Aug. 2	745	155	111	1203
Little, John A., assignor to Globe Electric Company, St. Louis, Mo. Electric-lighting system for vehicles	763,495	June 28	3733	805	110	2311
Little, John A., assignor to Globe Electric Company, St. Louis, Mo. Vehicle-lighting apparatus	765,979	July 26	4159	888	111	946
Little-Pritzkow, Malle, New York, N. Y. Combined skirt and waist holder	757,756	Apr. 19	3101	675	109	2087
Littleton, John E., assignor of one-half to W. F. Leary, North Parrytown, N. Y. Clutch-head for rock-drills	760,005	May 17	2857	597	110	678
Litts, Edwin, Schenectady, N. Y. Permutation-padlock	758,761	May 3	364	73	110	89
Litwiler, Thomas, Tremont, Ill. Wire-fence fabric	778,833	Dec. 27	4679	1023	113	2488
Litzinger, Charles E., Baltimore, Md. Post	769,223	Sept. 6	161	39	112	85
Livengood, Belinda, Lanark, Ill. Clothes-sprinkler	760,882	May 24	4576	976	110	1073
Livengood, Jacob S., assignor of one-third to P. E. Kantner, Rehrersburg, Pa. Water-gate for steam-boilers	768,056	Aug. 23	3902	819	111	1959
	768,738	July 12	1728	353	111	393

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Livengood, Winfield S., assignor to Smith & Sons Mfg. Co., Kansas City, Mo. Draft-equalizer	768,532	Aug. 23	4895	1026	111	2184
Liverman, Miles D., Columbia, N. C. Log-car standard	770,974	Sept. 27	3520	742	112	844
Livermore & Knight Company. (See Kendrick, Dyer T., assignor.)						
Livesey, James, assignor to himself and R. Healy, Fall River, Mass. Apparatus for testing the insulation of the coils of electromagnets	756,665	Apr. 5	905	197	109	1536
Livingston, A. W. (See Griffin, James J., assignor.)						
Livingston, Andrew W., Alameda, Cal. Automatic weighing-machine	769,909	Sept. 13	1463	313 314	112	347
Livingston, Charles G., et al. (See Bitner, Harry, assignor.)						
Livingston, D. McRa, New York, N. Y. Condensing apparatus	767,905	Aug. 16	3544	750 751	111	1861
Livingston, Harry R. (See Joerissen and Livingston.)						
Livingston, Henry J., Baltimore, Md. Composition	777,794	Dec. 20	2604		113	2029
Livingston, Ira W., Moundsville, W. Va. Condiment-holder	763,916	June 28	4544	991	110	2484
Livingston, Jay, St. Louis, Mo. Electric lock	756,864	Apr. 13	1233	289	109	1635
Livingston, Milton L., and J. M. Hodges, Potosi, Mo. Mending-link	767,073	Aug. 9	1940	403	111	1491
Livingston, Neil, Cass City, Mich. Robe-holder	773,523	Dec. 13	2008	456	113	1899
Livingstone, William, Flushing, N. Y. Pulley-housing for sashes or similar purposes	778,685	Dec. 27	4392	960	113	2424
Livingstone, William, Flushing, assignor to himself, and S. P. Porter, Brooklyn, N. Y. Caster-horn	751,663	Feb. 9	1620	368	105	1421
Livingstone, William, Flushing, N. Y., assignor to himself, and S. H. Pomeroy, Chicago, Ill. Pulley for sashes or similar purposes	760,636	May 24	4076	866	110	967
Livsie, Thomas J., Norfolk, assignor of one-fourth to G. B. Walton, Suffolk, Va. Trunk-fastening	773,948	Nov. 1	834	175	113	192
Ljungström, Fredrik, Stockholm, Sweden. Support for milking devices	772,421	Oct. 18	2452	537 538	112	1526
Llewellyn, David F., Hazleton, Pa. Permutation-paddock	752,347	Feb. 16	2944	655	108	1733
Llona, Scipion E., Lima, Peru. Geometrical instrument	772,283	Oct. 11	2164	472	112	1442
Lloyd, Charles E., Philadelphia, Pa. Boiler tube and flue scraper	766,712	Aug. 2	1172	244	111	1302
Lloyd, Charles H., et al. (See Lechner, Francis M., assignor.)						
Lloyd, Ernest F., Detroit, Mich. Safety dumping-door for gas-purifiers	750,470	Jan. 26	3802	826	108	897
Lloyd, Ernest F., Detroit, Mich. Closure for gas-tanks	774,439	Nov. 8	1726	371 372	113	403
Lloyd, Ernest F., Detroit, Mich. Closure system for connecting gas-condensers	774,440	Nov. 8	1728		113	
Lloyd, Francis H. (See Jackson and Lloyd.)						
Lloyd, George A. (See Nelhams and Lloyd.)						
Lloyd, John U., Norwood, Ohio. Concentrator for solutions	777,115	Dec. 13	1901	287	113	1732
Lloyd, Joseph G., Boston, Mass. Hot-air register	766,367	Aug. 9	1715	360	111	1443
Lloyd Manufacturing Company. (See Lloyd and Knudson, assignors.)						
Lloyd, Marshall B., Minneapolis, Minn. Vehicle-wheel	777,966	Dec. 20	2995	656	113	2106
Lloyd, Marshall B., and J. Knudson, assignors to Lloyd Manufacturing Company, Minneapolis, Minn. Doll's or child's carriage	778,201	Dec. 20	3440	757	113	2198
Lloyd, Thomas, New York, N. Y. Rocket	753,151	Feb. 23	4519	1907	108	2097
Lloyd, Walter J., assignor of one-half to W. Priest, Birmingham, England. Controlling means for explosion-motors	752,627	Feb. 16	3502	779 780	108	1854
Lloyd, William C., and C. R. Townsend, Birmingham, England. Self-contained stand for cycles or motor-cycles	761,516	May 31	5826	1245 1246	110	1385
Lloyd, William D., Fiskville, assignor of one-half to E. L. Steck, Austin, Tex. Weeding-machine	756,125	Mar. 29	5079	1253	109	1307
Lloyd, William G., Chicago, Ill. Periodical-holder	757,285	Apr. 12	2227	487	109	1833
Lloyd, William H., assignor to Crane Company, Chicago, Ill. Closet connection	771,481	Oct. 4	507	114	112	1066
Lloyd, William J., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Circuit-breaker	761,776	June 7	326	65	110	1512
Lloyd, William J., and G. Wright, assignors to Stanley Electric Manufacturing Company, Pittsfield, Mass. Breaker for electric circuits	768,334	Aug. 23	4485	942 943	111	2088
Lloyd, William J., and H. C. White, assignors to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric switch	778,055	Dec. 20	3168	897	113	2141
Lober, John F., Pittsburg, Pa. Machine for making coupling-pins, &c.	760,883	May 24	4577	976	110	1073
Lobet, John B., Toledo, Ohio. Grinding and polishing machine	754,573	Mar. 15	3321	724	109	760
Lock, Lee. (See Johnson and Lock.) (Reissue.)						
Lock Safety Pin Company. (See Andresen, Christian, assignor.)						
Locke, Eugene O., et al. (See Powell, William G., assignor.)						
Locke, Fred C., Boston, Mass. Support for electric conductors	758,324	Apr. 26	4236	910	109	2305
Locke, Fred M., Victor, N. Y. Tubular insulator	758,986	May 3	801	161	110	185
Locke, Fred M., Victor, N. Y. Insulator	767,948	Aug. 16	3639	769	111	1880
Locke, Fred M., Victor, N. Y. Apparatus for screening liquid clay	771,557	Oct. 4	677	151	112	1103
Locke, Fred M., Victor, N. Y. Manufacturing earthenware insulators	774,765	Nov. 15	2397	517	113	570
Locke, Fred M., Victor, N. Y. Insulator	776,789	Dec. 6	652	144	113	1570
Locke, Harvey W., assignor to Century Camera Company, Rochester, N. Y. Means for attaching supplementary parts to photographic cameras	775,420	Dec. 27	3895	448	113	2316
Locke, Harvey W., assignor to Century Camera Company, Rochester, N. Y. Camera-bed	749,738	Jan. 19	2436	518	108	580
Locke, Harvey W., assignor to Century Camera Company, Rochester, N. Y. Swing-back for photographic cameras	753,800	Mar. 1	1160	262	109	249
Locke, Harvey W., assignor to Century Camera Company, Rochester, N. Y. Curtain-shutter	755,680	Mar. 29	4789	1066	109	1109
Locke, Richard F., administrator. (See Banks, Harlow O.)						
Locke, William H., Jr. (See Shaules, Herbert A., assignor.)						
Locke, William H., Jr., et al. (See Sindingschristensen, Frederik, assignor.)						
Locke, William P., and H. D. Munick, Canton, Ohio. Siphon	773,511	Oct. 25	4821	1015	112	2067
Locke, William S., Cincinnati, Ohio. Vaginal syringe	756,252	Apr. 5	115	25	109	1366
Lockett, Andrew M., New Orleans, La. Valve-reseating device	770,180	Sept. 13	1956	417	112	455
Lockett, Oswald, M. J. Kenny, J. P. Stimeback, and T. H. Udell, assignors to Orr & Lockett Hardware Co., Chicago, Ill. Door-stop	752,171	Feb. 16	2591	576	108	1652
Lockett, James M., Faulkton, S. D. Vaporizer	772,466	Oct. 18	2548	560	112	1547
Lockhart, Samuel, Pittsburg, Pa. Packing for throttle-valve stems	773,949	Nov. 1	835	175	113	192
Lockhart, Sidney A., Syracuse, Nebr. Carbureter	757,935	Apr. 19	3441	745	109	2113
Lockwood, Benjamin F., Lyons, N. Y. Combined curb and conduit	777,524	Dec. 13	2009	456	113	1899
Lockwood, Edwin F., Bellevue, Ky. Sheet-metal-edging machine	754,736	Mar. 15	3150	686	109	722
Lockwood, Horace A., Lake Valley, N. Mex. Ter. Roller-bearing	774,678	Nov. 8	2178	477	113	498
Lockwood, John S., Kansas City, Mo. Electromagnetic brake	750,307	Jan. 19	3308	714 715	108	796
Lockwood, Perkins S., Madrid, N. Y. Sleigh-knee	754,235	Mar. 8	1996	443	109	456

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Lockwood, Philo C., Greenville, Pa. Car-replacer	762,176	June 7 1065	925		110	1670
Lockwood, Philo J., Washington, D. C. Safety device for boilers.	768,383	Aug. 23 4621	967		111	2126
Lockwood, Philo J., Washington, D. C. Safety device for boilers.	768,384	Aug. 23 4622	967		111	2127
Lockwood, Rhodes G., Boston, Mass. Self-lifting fountain-pen	772,467	Oct. 18 2549	560		112	1548
Lockwood, Samuel T., Portland, Ore. Bag-turning machine	777,427	Dec. 13 1880	415		113	1859
Lodge, Edward. (See Rayson and Lodge.)						
Lodge, Oliver J., Birmingham, A. Muirhead, Shortlands, and E. E. Robinson, Birmingham, England. Receiver for wireless telegraphy	762,829	June 14 2416	526		110	1980
Lodge & Shipley Machine Tool Company. (See Blair, Joseph H., assignor.)						
Lodge & Shipley Machine Tool Company. (See Chard, Nicholas D., assignor.)						
Lodge & Shipley Machine Tool Company. (See Lodge, William, assignor.)						
Lodge & Shipley Machine Tool Company. (See Lodge and Chard, assignors.)						
Lodge, William, Cincinnati, Ohio. Variable-speed mechanism for lathes	749,492	Jan. 12 1958	406 407		108	458
Lodge, William, assignor to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Boring-tool	764,609	July 12 1462	298		111	336
Lodge, William, and N. D. Chard, assignors to Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Apron for lathes	762,482	June 14 1707	367		110	1828
Loe, Syver, Minneapolis, Minn. Voting-machine	750,987	Feb. 2 381	91, 92		108	1142
Loeb, Rudolf. (See Bourquin and Loeb.)						
Loeb and Schoenfeld. (See Bourquin and Loeb, assignors.)						
Loeb, Walther, Bonn, assignor to C. P. Boehringer & Soehne, Mannheim-Waldhof, Baden, Germany. Preparation of azo dyes	761,310	May 31 5463			110	1281
Loeb, Alfred. (See Scott and Loeb.)						
Loeffler, James H. (See Savage and Loeffler.)						
Loehle, Charles, Zurich, Switzerland. Saddle-roof	768,395	Aug. 23 469	944		111	2090
Loehr, Miles E., Claypool, Ind. Heating-drum	766,190	Aug. 2 489	12		111	1656
Loens, Bernhard, Cologne, Germany. Dumping wagon or car	776,074	Nov. 29 5143	1066		113	1228
Loenenbach, Hugo. (See Schilz, Frank, assignor.)						
Loepp, John, Tacoma, Wash. Undercut saw-guide	774,885	Nov. 15 2650	569		113	636
Loescher, Fritz A., Portland, Ore. Hulling and scouring machine	753,152	Feb. 23 4520	1008		108	2098
Loetzer, Christian E., assignor of one-half to C. P. Welles, Towanda, Pa. Machine for cutting out, expanding, or beading boiler-flues	766,713	Aug. 2 1174	245		111	1303
Loew, Charles H., Cleveland, Ohio. Apparatus for washing filtering material	756,973	Apr. 12 1518	334		109	1680
Loewe, Hugo, B. V. and L. V. Elzen, East St. Louis, Ill. Mold for building-blocks	768,668	Aug. 30 5216	1096		111	2271
Loewenstein, Max, and J. Stork, Brussels, Belgium; said Loewenstein assignor to said Stork	765,022	July 12 2281	475		111	514
Loewenstein, Maxmillian, assignor of two-thirds to J. Stork, Brussels, Belgium, and M. Kind, New York, N. Y. Carburetor	778,686	Dec. 27 4494	960		113	2425
Löffler, Oswald, Vienna, Austria-Hungary. Filter	752,693	Feb. 23 3634	809		108	1900
Loftus, John, assignor of one-half to S. Redick, Albany, N. Y. Air-brake system	762,177	June 7 1066	226		110	1670
Logan, Albert J., and J. P. Brown, Pittsburg, Pa. Spring bed-bottom	760,746	May 24 4321	917		110	1018
Logan, Erckwood, Philadelphia, Pa. Cutting-machine for plastic materials	776,476	Nov. 29 5914	1248		113	1404
Logan, George, St. Louis, Mo. Stenographer's scale	764,532	July 5 1286	263		111	280
Logan, Joseph B., Lebanon, Ind. Bridge cross-tie	750,208	Jan. 19 3309	715		108	767
Logan, Lavalette L., Robertsdale, Pa. Car-handling apparatus	753,719	Mar. 1 970	220		109	209
Logan, Nels, and I. I. Flo, Albert Lea, Minn. Corn-harvester	755,375	Mar. 23 4232	937		109	974
Logan, Robert R., New York, N. Y. Race-track appliance	755,148	Mar. 23 3900	837		109	883
Logan, Walter S., Douglas, Wyo. Tent-rope slide and grip	763,294	June 21 3315	717		110	2199
Loge, Frank, Evansville, Ind. Automatic currying-machine	769,173	Sept. 13 717	253 254		112	288
Logelière, Léonce M. de. (See Pottin and Logelière.)						
Logsdon, James A., Aley, Tex. Insect-destroyer	752,787	Feb. 23 3794	849		108	1936
Loh, Jacob, and J. W. Jung, Evansville, Ind. Automatic self-cleaning cuspidor	766,831	Aug. 9 1469	307		111	1388
Lohman, Oscar. (See Hirsch, Meyer, assignor.)						
Lohner, Ludwig. (See Porsche and Lohner.)						
Lohr, Luther A., Newmarket, Va. Riding-saddle	770,975	Sept. 27 3521	743		112	844
Lohse, Hermann, Knoxville, assignor of one-fourth to C. H. Engelmoir, Pittsburg, Pa. Ice-cream freezer	773,512	Oct. 25 4824	1015		112	2068
Lohse, Richard, Breslau, Germany. Liquid-meter	769,351	Dec. 6 431	97		112	95
Lohse, Richard, Breslau, Germany. Device for measuring the speed of flowing liquids	771,826	Oct. 1 1200	267		112	1231
Loibl, Carl, Munich, Germany. Horseshoe-calk	768,850	Aug. 30 5644	1185		111	2395
Loller, Silas W. (See Crary, Thomas F., assignor.)						
Lomb, George W. C., Birmingham, Ala., assignor to Inter-Ocean Transit Company, Cincinnati, Ohio. Boat	769,484	Sept. 6 689	147 148		112	157
Lombard, Charles E., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric switch	771,313	Oct. 4 1179	39		112	990
Lombard, Daniel E., Fall River, Mass. Wrench	762,483	June 14 1710	367		110	1828
Lombard, Daniel E., Fall River, Mass. Wrench	775,185	Nov. 15 3258	697		113	767
Lombard, George B. (See Wakefield, John P., assignor.)						
Lombard, James P. (See Garland and Lombard.)						
Lombard, Nathaniel, Brookline, assignor to N. Lombard Improved Governor Company, Boston, Mass. Relief-valve	754,467	Mar. 15 2522	550 551		109	585
Lombard, Nathaniel, Worcester, Mass., assignor to N. Lombard Improved Governor Company, Waterville, Me. Safety-valve	754,468	Mar. 15 2527	551		109	587
Lombard, Nathaniel, Worcester, Mass., assignor to N. Lombard Improved Governor Company, Waterville, Me. Governor	754,469	Mar. 15 2530	551 552 553		109	588
Lombard, Walter E., Arlington, Mass. Shoe-sewing machine	771,784	Oct. 4 1109	248		112	1196
Lombard, Walter E., Arlington, Mass. Shoe-sewing machine	776,407	Nov. 29 5771	1221 1159		113	1372
Lombardi, Frank, Brooklyn, N. Y. Electric lock	755,897	Mar. 29 5242	1159		109	1214
Lombardo, Michele, Mason City, Iowa. Banana-crate	753,410	Mar. 1 350	80		109	78
Lombardo, Michele, Mason City, Iowa. Banana-crate	776,666	Dec. 6 398	86		113	1516
London, James B., assignor of one-fourth to J. C. Bennett, Crestview, Tenn. Tire	767,583	Aug. 16 2940	616		111	1730
London, Willis, Franklin, Ky. Banister or railing	764,953	July 12 2165	449		111	491
Loneragan, William H. (See Rathbun and Loneragan.)						
Loneragan, William H. (See Rathbun and Loneragan.) (Reissue.)						
Long, Albert, Chicago, Ill. Water-heater and garbage-crematory	763,410	June 28 3578	772		110	2379
Long & Allstatler Company. (See Long, John M. W., assignor.)						
"Long Arm" System Company. (See Cowles, William B., assignor.)						
Long, Calvin A., Soldier, Kans. Inclined guide for loading or unloading apparatus	767,297	Aug. 9 2367	495		111	1583
Long, Charles E., Brannockstown, Ireland. Salt-receptacle	753,597	Mar. 1 733	163 164		109	459
Long, Charles E., Brannockstown, Ireland, and J. C. Irvine, Hampstead, England. Lock	754,226	Mar. 8 1997	444		109	456

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Long, Edwin, Cedar Rapids, Iowa. Card bevel-edger.	765,391	July 19	2983	624	111	681
Long, Frederic H., Chicago, Ill. Extracting metals from their ores.	775,405	Nov. 22	3772	798	113	910
Long, George A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll apparatus.	753,411	Mar. 1	351	80, 81	109	78
Long, George A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll apparatus.	753,412	Mar. 1	355	82	109	79
Long, George A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Register and alarm mechanism for telephone toll apparatus.	770,377	Sept. 20	2366	499	112	509
Long, George A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll apparatus.	777,525	Dec. 13	2070	456	113	1899
Long, George W., Portland, Oreg. Frictional scourer for grain or other similar products.	776,075	Nov. 29	5145	1087	113	1228
Long, Herbert J., Cleveland, Ohio. Heater for hot-water systems.	702,541	June 14	1836	394	110	1856
Long, Jacob, St. Paul, Kans. Match-box.	753,369	Mar. 8	1542	344	109	357
Long, James A., Spokane, Wash. Sash-fastener.	757,309	Apr. 12	1985	432	109	1753
Long, John A., and P. F. Dunn, Pittsburg, Pa. Rotary engine.	772,726	Oct. 18	3051	608	112	1655
Long, John M. W., assignor to Long & Allstatter Company, Hamilton, Ohio. Draft-elevator.	755,149	Mar. 22	3801	837	109	883
Long, John M. W., assignor to Long & Allstatter Company, Hamilton, Ohio. Cultivator.	764,062	July 5	294	57	111	66
Long, John M. W., assignor to Long & Allstatter Company, Hamilton, Ohio. Duplex seeding-machine.	776,858	Dec. 6	802	174	113	1603
Long, Joseph S., et al. (See Hinkson, Frank B., assignor.)						
Long, Julia C. (See Long, William R., assignor.)						
Long and Koch. (See Long, Philip H., assignor.)						
Long and Koch Company. (See Cahn and Long, assignors.)						
Long, Linville V., assignor of one-half to J. A. McKean, Bowerston, Ohio. Hose-coupling.	752,085	Feb. 16	2443	546	108	1619
Long, Malcolm W., Harrisburg, assignor to Pennsylvania Steel Company, Philadelphia, Pa. Switch-stand.	703,205	June 21	3316	718	110	2199
Long, Malcolm W., Harrisburg, and J. M. Hoffer, Steelton, assignors to Pennsylvania Steel Company, Philadelphia, Pa. Switch-stand.	763,189	June 21	3124	671	110	2159
Long, Philip H. (See Cahn and Long.)						
Long, Philip H., assignor to Long and Koch, Newark, N. J. Locket.	761,093	May 31	5023	1064	110	1187
Long, Samuel L., et al. (See Alexander, John H., assignor.)						
Long, Sidney L., Minneapolis, Minn. Coin-controlled vending-machine.	761,002	May 24	4810	1023	110	1123
Long, Timothy, Cleveland, Ohio. Hoisting and conveying apparatus.	755,681	Mar. 29	4790	1066 1067	109 110	1109
Long, Walter B., Cleveland, Ohio. Wheel-painting apparatus.	749,622	Jan. 12	2178	457	108	508
Long, William R., Peoria, Ill., assignor, by mesne assignments, to J. C. Long, St. Louis, Mo. Making product of sugar and malt.	766,832	Aug. 9	1469	-----	111	1388
Longard, Clarence C., Halifax, Canada. Wrench.	762,069	June 7	881	181	110	1628
Longard, Clarence C., Halifax, Canada. Vise.	702,070	June 7	883	182	110	1628
Longard, Clarence C., Halifax, Canada. Hot-water heating system.	764,610	July 12	1463	290	111	336
Longard, Clarence C., Halifax, Canada. Hot-water heater.	768,385	Aug. 23	4623	968	111	2127
Longard, Clarence C., Halifax, Canada. Hot-water heater.	773,152	Oct. 25	4050	858 859 860	112	1900
Longden, Charles E., Hamden, Conn. Machine for forming rubber articles.	763,682	June 25	4081	888	110	2386
Longden, Charles E., Hamden, assignor to Falcon Rubber Co., New Haven, Conn. Spindle for forming rubber nipples.	772,161	Oct. 11	1918	425	112	1384
Longfellow, Martin. (See Kahn and Longfellow.)						
Longmore, Lewis F. (See Rowland and Longmore.)						
Longnecker, Charles S. (See Laney and Longnecker.)						
Longsdorf, William H., London, England. Furnace for steam-generators or the like.	767,704	Aug. 16	3164	661 662	111	1779
Longstreth, Elijah N., Oakwood, Ill. Water-heater.	772,108	Oct. 11	1802	400	112	1631
Lonquist, John P., Minneapolis, Minn. Druggist's prescription-cabinet.	753,153	Feb. 23	4523	1008	108	2098
Loof, Charles I. D., and F. A. Knapp, Brooklyn, N. Y. Mechanically-actuated organ.	760,894	May 24	4579	977	110	1074
Look, John C., Tudor, Cal. Mop or brush holder.	766,385	Apr. 5	396	81	109	1428
Look, Luther, assignor to New Standard Concentrator Company, Los Angeles, Cal. Centrifugal pump.	753,154	Feb. 23	4523	1008	108	2098
Looman, William J. (See Venderbush and Looman.)						
Loomis, Osborn P., Newport News, Va. Electric turret-operating mechanism.	773,950	Nov. 1	837	175 176	113	192
Loomis, William H., Alameda, Cal. Carpet-renovating apparatus.	764,739	July 12	1728	353	111	393
Loop Lock Machine Company. (See Ayer, Albert E., assignor.)						
Loos, Isaac B., Trenton, N. J. Garment-supporter.	760,885	May 24	4583	977	110	1075
Loose, Maximus E., Napoleon, Ohio. Treating wood fiber for use in plaster.	758,987	May 3	803	161	110	185
Loose-Wiles Cracker & Candy Company. (See Seegmiller, Charles H., assignor.)						
Loose-Wiles Cracker & Candy Company. (See Smith, Albert C., assignor.)						
Loper, Jonathan M., Pittsburg, Pa. Horseshoe.	777,967	Dec. 20	2996	657	113	2107
López, Néstor, Delrio, Tex. Boiler-cleaning compound.	770,976	Sept. 27	3526	-----	112	846
Loppentien, John D., Orange, Cal. Violin.	766,049	July 26	4292	976	112	874
Lorain Steel Company. (See Dixon, Israel K., assignor.)	757,936	Apr. 19	3443	746	109	2113
Lorain Steel Company. (See Entwisle, Edward B., assignor.)						
Lorain Steel Company. (See Ervin, George M., assignor.)						
Lorain Steel Company. (See Hart, James, assignor.)						
Lorain Steel Company. (See Isenberg, Herbert G., assignor.)						
Lorain Steel Company. (See Lavelle, Patrick, assignor.)						
Lorain Steel Company. (See Maurer, Frank L., assignor.)						
Lorain Steel Company. (See Ott, Edward, assignor.)						
Lorain Steel Company. (See Stiff, Henry C., assignor.)						
Lorang, Peter, assignor of one-half to H. Jaenicke, Jordan, Minn. Tire-nut-tightening device.	766,273	Aug. 2	274	53	111	1101
Lord, Charley J., and G. A. Browning, Kingfisher, Okla. Ter. Combined halter and weaner.	770,688	Sept. 20	2955	628	112	701
Lord, Frederick K., Bayonne, N. J. Spine-weight.	764,482	July 5	1168	228	111	257
Lord, George W., Chicago, Ill. Automatic regulating gas-burner.	770,913	Sept. 27	3401	717	112	816
Lord, Harry G., Philadelphia, Pa., assignor to Coolene Company, Detroit, Mich. Bottle.	777,477	Dec. 13	1986	440	113	1882
Lord, Hiram E., Clayton, Mich. Potato-digger.	765,584	July 19	3360	705 706	111	761
Lord, Hugh C., Erie, Pa. Sectional bookcase or like article of furniture having parts sliding in and out therein.	762,071	June 7	885	182	110	1689
Lord, James, West Terre Haute, Ind. Blast-charger.	774,590	Nov. 8	2020	441	113	465

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Lord, John D., and P. P. Cooke, Jersey City, N. J. Making metal buttons	773,658	Nov. 1	238	53	113	57
Lord, John H., Springfield, Ill. Railway-ticket	764,854	July 12	1967	406	111	447
Lord, John R., San Francisco, Cal. Electrical battery	769,425	June 14	1573	345	110	1800
Lord, Joseph, Hays, Kans., assignor of one-half to M. L. Frizzell, St. Anthony, Idaho. Automatic differential brake-pressure mechanism	768,386	Aug. 23	4626	968	111	2127
Lord, Lewis P., Owatonna, Minn. Box for transporting potted plants	760,886	May 24	4584	978	110	1075
Lord, Peter, Worcester, Mass. Leveling instrument	762,072	June 7	888	183	110	1630
Lord, Thomas F., Mineral City, Ohio. Air-brake pipe-coupling	768,232	Aug. 23	4294	904	111	2046
Lord, Thomas M. (See Goodyear, Robert B., assignor.)						
Lorentz, Lorenzo D., J. C. Buchanan, and A. O. Travis, assignors to Pneumatic Tobacco Stemmer Company, Washington, D. C. Tobacco-stemming machine	765,585	July 19	3363	706 707 709	111	762
Lorenz, August H., assignor, by mesne assignments, to A. W. Friskey, Chicago, Ill. Loose-leaf binder frame	754,324	Mar. 8	2164	479	109	489
Lorenz, John, Chicago, Ill. Chimney	761,894	June 7	569	113	110	1567
Loria, Howard D., Orchamps, France. Friction clutch or coupling	775,757	Nov. 22	4511	956	113	1070
Lorillard, Pierre, Tuxedo Park, assignor to Automatic Weighing Machine Company, New York, N. Y. Compacting finely-divided materials	773,875	Nov. 1	686	144	113	158
Lorillard, Pierre, Tuxedo Park, assignor to Automatic Weighing Machine Company, New York, N. Y. Compacting finely-divided materials	773,876	Nov. 1	687	144	113	158
Lorillard, Pierre, Tuxedo Park, assignor to Automatic Weighing Machine Company, New York, N. Y. Apparatus for compacting finely-divided materials	773,877	Nov. 1	691	144	113	159
Lorillard, Pierre, Tuxedo Park, assignor to Automatic Weighing Machine Company, New York, N. Y. Apparatus for compacting finely-divided materials	773,878	Nov. 1	692	145	113	159
Lorillard Refrigerator Company. (See De Canio, Victor A., assignor.)						
Lorin, Ernest, Doulaingourt, France. Raising or hoisting apparatus	748,762	Jan. 5	389	89	108	87
Loring, Ernest J., assignor of two-thirds to G. F. and R. S. Loring, Somerville, Mass. Instrument for drawing curves	772,022	Oct. 18	2843	624	112	1610
Loring, Frank C., Eastport, Me. Acetylene-gas generator	772,022	Oct. 25	3632	785	112	1800
Loring, George F., et al. (See Loring, Ernest J., assignor.)						
Loring, Ralph S., et al. (See Loring, Ernest J., assignor.)						
Losch, John S., Schuylkill Haven, Pa. Explosive-engine	775,243	Nov. 15	3430	723 724 725	113	815
Losch, John S., Pottsville, Pa. Speed-regulator for explosive-engines	775,908	Nov. 22	4791	1015	113	1129
Losh, George W. (See Browne, John D., assignor.)						
Loshelder, Henry, Jr. (See Kress, Loshelder, Gross, and Loshelder.)						
Loshelder, William. (See Kress, Loshelder, Gross, and Loshelder.)						
Losie, Arthur T., et al. (See Losie, Thomas M., assignor.)						
Losie, Chauncey B., et al. (See Losie, Thomas M., assignor.)						
Losie, Thomas M., Binghamton, assignor to C. B. A. T., and T. M. Losie, Jr., Elmira, N. Y. Moistener for gummed surfaces	768,296	June 21	3318	718	110	2300
Loss, Henrik V., Philadelphia, Pa. Machine for upsetting metal	760,220	May 17	3279	688	110	772
Loss, Henrik V., assignor to C. T. Schoen, Philadelphia, Pa. Making car-wheels	757,819	Apr. 19	3225	700	109	2065
Lothammer, François J., Paris, France. Carburetor	777,908	Dec. 20	2883	635	113	2084
Lots, Fritz, Friedrichroda, and L. Simons, Neumünster, Germany. Woven fabric for underclothing, &c.	768,387	Aug. 23	4626	969	111	2128
Lotspeike, George H., Rochester, N. Y. Fire-kindler	768,388	Aug. 23	4629	969	111	2128
Lott, William C., Chicago, Ill. Washing-machine	756,253	Aug. 5	117	25	109	1367
Lott, William R., Navasota, Tex. Wire-stretcher	762,327	June 14	1380	293	110	1759
Lottridge, Thomas A., Rochester, N. Y. Binder	773,659	Nov. 1	239	53	113	57
Lotz, Augustus, San Francisco, Cal. Means for observing dust-laden air-currents	769,618	Sept. 6	915	198	112	207
Lotz, Augustus, assignor to Pacific Metal Works, San Francisco, Cal. Wire-solder-rolling machine	754,325	Mar. 8	2167	480	109	490
Lotz, Augustus, assignor to Sanitary Compressed Air and Suction Dust Removing Co., San Francisco, Cal. Pneumatic carpet-renovator	759,452	May 10	1776	359	110	422
Lotz, Augustus, assignor to American Can Company, San Francisco, Cal. Can-fusing machine	773,900	Nov. 1	500	109	113	117
Lotz, Augustus, assignor to American Can Company, San Francisco, Cal. Can-end-soldering machine	774,483	Nov. 8	1814	393	113	422
Lotz, William, Brooklyn, N. Y. Game device	750,988	Feb. 2	383	92	108	1142
Lotz, William, Jr., C. S. Wismeyer, C. S. Hammer, F. Thoma, and H. A. Rentschler, Hamilton, Ohio. Molder's flask	749,696	Jan. 12	2927	491	108	540
Loud, Waldo A., Springfield, Mass. Ball-bearing device	760,221	May 17	3281	689	110	772
Louden, Henry W., Sr., Lebanon, Pa. Gearing	765,848	July 26	3920	836 837	111	892
Louden, Henry W., Sr., Lebanon, Pa. Sausage-stuffer	765,899	July 26	4004	854	111	911
Louden, William, Fairfield, Iowa. Hay-carrier	752,569	Feb. 16	3364	750	108	1824
Louden, William, Fairfield, Iowa. Door-hanger	768,669	Aug. 30	5218	1096	111	2271
Louden, William, Fairfield, Iowa. Hay-carrier	769,175	Sept. 6	74	19	112	17
Louder, Joel H., Elgin, Ill. Powder-puff	777,526	Dec. 13	2072	456	113	1899
Loudon, Milton H., et al. (See Born, Marion A., assignor.)						
Lough, Hector V., North Plainfield, N. J. Tablet	778,254	Dec. 27	3548	778	113	2241
Lough, Henry, Christchurch, New Zealand. Apparatus for transmitting cash, &c., in stores or like places	765,244	July 19	2689	560	111	618
Lough, James P., New York, N. Y. Apparatus for washing storage batteries	765,365	Aug. 2	447	95	111	1138
Lough, William E., Farmington, W. Va. Gage and marker	757,132	Apr. 12	1845	403	109	1752
Loughlan, R. J. (See Titsworth, Richard, assignor.)						
Louis Manufacturing Company. (See Louis, Robert J., assignor.)						
Louis, Robert J., et al. (See Powers, James, assignor.)						
Louis, Robert J., New York, N. Y. Automatic rheostat	777,116	Dec. 13	1302	287 288	113	1732
Louis, Robert J., New York, N. Y., assignor to Louis Manufacturing Company. Locking mechanism for machinery	767,298	Aug. 9	2368	495	111	1583
Louiso, George P. (See Heizer, Hensley, and Louiso.)						
Louisville Soap Company. (See Conway, Llewellyn L., assignor.)						
Louman, Andrew, East Ham, assignor of one-half to A. E. Dobbs, Lynnwood, Redhill, England. Lock-nut	759,898	May 17	2040	553	110	627
Loundagin, Alvin G. (See McCown, Loundagin, and Williams.)						
Lount, Samuel, Barrie, Canada. Turbine-engine	749,739	Jan. 19	2438	519 518	108	580

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Lourie, Herbert M., assignor to L. A. Lourie, Keokuk, Iowa, and H. E. Ellington. Cream-separator	765,091	July 12	2420	503	111	541
Loux, Laura A., <i>et al.</i> (See Lourie, Herbert M., assignor.)						
Loux, Robert, and F. E. Butterfield, St. Paul, Minn. Clothes-washing machine	758,085	Apr. 26	3749	815	109	2197
Love, Henry M., Utica, N. Y. Harrow	756,254	Apr. 5	119	25	109	1367
Love, Henry M., Utica, N. Y. Harrow	756,255	Apr. 5	123	25	109	1369
Love, John G., Syracuse, N. Y. Fertilizer-distributor	766,632	Aug. 2	1004	211	111	1265
Love, John W. (See Griffin, John T., assignor.)						
Love, Joseph A., assignor to T. F. Moore, Syracuse, N. Y. Dump-wagon	774,096	Nov. 1	1119	233	113	253
Love, Robert, assignor to Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributor	750,381	Jan. 26	3640	790	108	861
Love, Robert, assignor to Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributor	777,391	Dec. 13	1615	358	113	1800
Love, Thomas J., Lincoln, Ill. Corn-cutter	755,510	Mar. 22	4459	991	109	1020
Lovejoy, Alfred, Lowell, assignor to Draper Company, Hopedale, Mass. Ring-spinning apparatus	752,238	Feb. 16	2728	604	108	1685
Lovejoy, Fred P., Springfield, Vt. Pencil-sharpener	775,707	Nov. 22	4418	933	113	1050
Lovejoy, George W., assignor of one-half to L. F. Krekelen, Tehachipa, Cal. Non-refillable bottle	758,543	Apr. 26	4658	1003	109	2400
Lovejoy, George W., assignor of one-half to J. P. Cuddiback, Tehachapi, Cal. Wheel	760,222	May 17	3282	689	110	772
Lovejoy, Jesse R., Schenectady, N. Y., assignor to General Electric Company. Incandescent electric lamp	771,988	Oct. 11	1548	347	112	1303
Lovejoy, Thomas H., Chicago, Ill. Punch	770,238	Sept. 13	2076	436	112	483
Lovejoy, Thomas H., Chicago, Ill. Punch	770,239	Sept. 13	2077	436	112	483
Lovejoy, Zebulon, assignor of one-half to E. H. Pinkham, Lincoln, Me. Pulp-screen apparatus	766,150	July 26	4310	964	111	1020
Lovekin, Luther D. (See Lissocoe and Lovekin.)						
Lovekin, Luther D., Philadelphia, Pa. Tool for expanding and flanging pipe	766,633	Aug. 2	1006	212	111	1265
Lovekin, Luther D., Philadelphia, Pa. Tool for expanding and flanging pipe	771,558	Oct. 4	678	151	112	1103
Lovekin, Luther D., Philadelphia, Pa. Tool for finishing flanged pipe	775,572	Nov. 22	4150	873	113	992
Lovekin, Luther D., Philadelphia, Pa. Device for relieving forces due to inertia and weight of valve-gear	775,573	Nov. 22	4151	873	113	992
Lovekin, Luther D., Philadelphia, Pa. Machine for expanding and flanging metal pipe	775,574	Nov. 22	4155	874	113	993
Lovekin, Luther D., P. M. Young, Philadelphia, Pa., and H. Krapp, Camden, N. J. Ammunition-hoist	776,667	Dec. 6	399	87	113	1517
Lovelace, Charles D., Omaha, Nebr. Window or door fastener	775,186	Nov. 15	3260	697	113	768
Loveless, A. A., <i>et al.</i> (See Loveless, David H., assignor.)						
Loveless, David H., assignor of one-half to J. J. Knight and A. A. Loveless, Provo, Utah. Shaft-support for vehicles	761,688	June 7	134	23	110	1468
Lovell, Albert K., New York, N. Y., assignor to G. F. Drouvé, Bridgeport, Conn. Window frame and sash	753,893	Mar. 8	1355	306	109	312
Lovell, Charles W., assignor to A. C. and G. H. Fraser, Brooklyn, N. Y. Machine for rounding, backing, and lining books	753,413	Mar. 1	357	82	109	79
Lovell, Clarence N., <i>et al.</i> (See Kimball, Fred M., assignor.)						
Lovell, Frederick W. (See McMyler and Lovell.)						
Lovell, Frederick W., assignor to J. McMyler, Cleveland, Ohio. Car-unloader	766,108	July 26	4418	946	111	1000
Lovell, Thomas D., Beverly, assignor of one-half to J. F. Flanagan, Boston, Mass. Electric railway	756,511	Apr. 5	628	136	109	1474
Lovell, Thomas D., Beverly, assignor of one-half to R. M. Bailey, Dedham, Mass. Electric railway	760,223	May 17	3283	690	110	772
Lovell, William, Utica, Ohio. Rail-support	769,266	Sept. 6	251	59	112	54
Loveridge, Frederick H. (See McBerty and Loveridge.)						
Lovett, Albert E., New York, N. Y. Gas-lamp	758,261	Apr. 26	4090	885	109	2273
Lovett, Thomas J. (See Flora, Ellsworth E., assignor.)						
Lovett, Thomas J., Chicago, Ill. Recovering gold and oxid of iron from sand	775,043	Nov. 15	2059	582	113	699
Lovette, William, Mariner Harbor, N. Y. Hinge	770,595	Sept. 20	2772	588	112	659
Loving, Leslie W., assignor of one-half to J. M. Myers, Piggott, Ark. Buggy-top support	766,366	Aug. 2	448	95	111	1138
Low, Abbot A. (See Hicks, James M., assignor.)						
Low, Abbot A. (See Hirsch, Feodor C., assignor.)						
Low, Abbot A. (See Tuck and Wassmann, assignors.)						
Low, Abbot A. (See Tuck, Wassmann, and Low.)						
Low, Abbot A. (See Wassmann, August, assignor.)						
Low, Abbot A., Horseshoe, N. Y. Exhaust for explosive-engines	751,188	Feb. 2	755	173	108	1218
Low, Abbot A., Horseshoe, N. Y. Igniter for explosive-engines	753,280	Mar. 1	121	29	109	30
Low, Abbot A., Horseshoe, N. Y. Combined cabinet and rack for holding implements	765,318	July 19	2834	591	111	650
Low, Abbot A., Horseshoe, N. Y. Fuel-supply means for explosive-engines	767,483	Aug. 16	2736	574	111	1684
Low, Abbot A., Horseshoe, N. Y. Holder	774,259	Nov. 8	1403	300	113	393
Low, Albert H., and N. Wilcox, Denver, Colo. Vapor-generating lamp	773,023	Oct. 25	3636	785	112	1801
Low, George B., Newton Center, Mass. Electric switch	776,522	Dec. 6	93	22	113	1446
Low, Harold A. (See Griffin and Low.)						
Low, William A., Jr., Cranston, R. I. Making compound ingots for seamless gold-plated wire	776,859	Dec. 6	802	174	113	1603
Lowe, Albert S., assignor of one-third to F. Boyle, Fort Robinson, Nebr. Lawn-swing	770,181	Sept. 13	1958	417	112	457
Lowe, Ernest A., Plainfield, N. J. Electric switch	751,084	Feb. 2	554	129	108	1180
Lowe, James G., Tampa, Fla. Dispensing vessel	763,917	June 28	4545	991	110	2484
Lowe, Leon P., San Francisco, Cal. Apparatus for accurately measuring the flow of oil in pipes	749,390	Jan. 12	1724	365	108	411
Lowe, Leon P., San Francisco, Cal. Apparatus for the manufacture of gas	751,085	Feb. 2	556	129	108	1181
Lowell Machine Shop. (See Shaw, Frederick P., assignor.)						
Lowell Machine Shop. (See Whitaker, Channing, assignor.)						
Lowenstein, Fritz. (See Hirschhorn and Lowenstein.)						
Lowenthal, Simon J. (See Andrews and Lowenthal.)						
Lower, Warren W., Keystone, W. Va. Vent for steam-radiators	756,794	Apr. 5	1157	257	109	1591

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Lower, Warren W., Keystone, W. Va. Radiator-vent.	756,795	Apr. 5	1159	257	109	1592
Lowery, Frank J., Fort Fairfield, Me. Sash-lock.	767,370	Aug. 9	2497	523	111	1611
Lowery, Joseph S. (See Smith, Cullen R., assignor.)						
Lowrey, Henry J. (See Raines, Henry, assignor.)						
Lowrey, John R., Omaha, Nebr. Steam-boiler.	769,754	Sept. 13	1176	254	112	283
Lowrie, William G., New York, N. Y. Electric-railway system.	748,872	Jan. 5	605	137	108	135
Lowrie, William G., New York, N. Y., assignor to International Electric Traction Company. Electric-railway system.	771,785	Oct. 4	1112	249	112	1197
Lowry, Audy A., Anna, Ill. Roller-bearing.	761,084	May 31	5024	1065	110	1157
Lowry, Clarence C. (See Kenisell, John E., assignor.)						
Lowry, George A., Chicago, Ill. Spinnaker-sail.	757,474	Apr. 19	2536	554	109	1911
Lowry, George A., Boston, Mass., assignor to Planters Compress Company. Baling fibrous material.	755,597	Mar. 22	4615	1025	109	1057
Lowry, George A., Boston, Mass., assignor to Cotton Picker Company. Cotton-picking machine.	775,451	Nov. 22	3868	819	113	931
Lowry, James, Oak Station, Pa. Spike-making machine.	766,714	Aug. 2	1179	246	111	1304
Lowry, James P., Winchester, Ky. Hemp-shaking machine.	761,311	May 31	5465	1160	110	1282
Lowry, Robert C., New Westminster, Canada. Electromagnetic brake.	775,884	Nov. 22	4659	987	113	1101
Lowry, Robert C., New Westminster, Canada. Electromagnetic brake.	775,885	Nov. 22	4661	988	113	1102
Lowry, Robert C., New Westminster, Canada. Traction-increasing device.	775,886	Nov. 22	4664	988	113	1102
Lowry, Robert C., New Westminster, Canada. Traction-increasing device.	775,887	Nov. 22	4665	989	113	1102
Lowry, Thomas J., Mountairy, N. C. Cotton-chopper.	754,787	Mar. 15	3154	688	109	723
Lowry, William, Jr. (See Metz, Rudolph, assignor.)				687		
Lowson, John. (See Roberts and Lowson.)						
Loxit Company. (See Rathbun and Loneran, assignors.)						
Loxit Company. (See Rathbun and Loneran, assignors.) (Reissue.)						
Loxterkamp, Henry, Roselle, Iowa. Flexible wrench.	771,376	Oct. 4	210	69	112	1027
Loyal, Antoine, Paris, France. Radiator for autocars.	773,330	Dec. 27	3684	814	113	2270
Lubbers, John H., New Kensington, Pa. Drawing glass.	766,274	Aug. 2	275	53, 54	111	1101
Lubbers, John H., New Kensington, Pa. Apparatus for drawing glass.	766,275	Aug. 2	278	54, 55	111	1101
Lubbers, John H., Allegheny, assignor to J. A. Chambers, trustee, Pittsburg, Pa. Bait for drawing glass.	758,544	Apr. 26	4659	1003	109	2400
Lubbers, John H., Allegheny, assignor to J. A. Chambers, trustee, Pittsburg, Pa. Apparatus for drawing glass articles.	758,598	May 3	804	162	110	185
Lubow, Fred, Grand Rapids, Mich. Lamp-shade.	776,249	Nov. 29	5490	1162	113	1307
Luby, William A., Kalamazoo, Mich. Automatic electric block-signal.	763,411	June 28	3580	772	110	2279
Luby, William A., Kalamazoo, Mich. Automatic electric block-signal.	764,533	July 5	1287	263	111	281
Lucak, Michael S., Cleveland, Ohio. Draft-rigging for cars.	768,611	Aug. 30	5085	1070	111	2245
Lucas, Albert F., Toledo, Iowa. Lumber-loading device.	758,989	May 3	506	162	110	186
Lucas, Anthony F. (See Rochow, Ferdinand J., assignor.)						
Lucas, Charles O., Greenville, Ohio. Speed-regulator for explosive-engines.	760,462	May 24	3729	1789	110	890
Lucas, Jonathan, Charleston, S. C., assignor to J. H. Oppenheim, New York, N. Y. Knockdown box.	764,740	July 12	1731	353	111	394
Lucas, Jonathan, assignor to W. H. Richardson, Charleston, S. C. Toy pistol.	765,083	July 12	2281	475	111	514
Luce, Charles J., Niantic, Conn., assignor to Luce Compress & Cotton Company. Cotton-press.	759,386	May 10	1652	1335	110	394
Luce Compress & Cotton Company. (See Luce, Charles J., assignor.)				1336		
Luce, George D., New Orleans, La. Taper and stripper for cane-harvesters.	754,798	Mar. 15	3157	687	109	723
Luce, George D., New Orleans, La. Harvester.	762,703	June 7	889	183	110	1630
Luce, Milson J., New Orleans, La. Lunch-box.	763,297	June 21	3320	1718	110	2200
Luck, Gustave J. (See Morris and Luck.)				1719		
Luck, John J., Aurora, Ill. Composite post.	770,469	Sept. 30	2525	537	112	603
Luck, John J., Aurora, Ill. Composite post.	774,441	Nov. 8	1729	372	113	404
Lucke, Charles E. (See Ver Planck and Lucke.)						
Lucke, Charles E., New York, N. Y. Method of combustion.	755,376	Mar. 22	4234	987	109	975
Lucke, Charles E., New York, N. Y. Burning liquid or gaseous fuels.	755,377	Mar. 22	4236	987	109	975
Luckenbach, Harry, assignor to himself, W. Buergermeister, and J. T. Ludlow, trustees, San Francisco, Cal. Apparatus for the combustion of oil in furnaces.	772,045	Oct. 11	1674	374	112	1333
Luckey, Jesse R., Norwood, Ohio. Automatic stoker.	762,731	June 14	2217	1481	110	1937
Luckie, E. T. (See Duncan, Whit, A., assignor.)				1482		
Lacock, John S., Bellevue, assignor to Sommerfeld Machine and Manufacturing Co., Pittsburg, Pa. Glass-etching machine.	769,224	Sept. 6	162	39, 40	112	36
Liddeckens, Otto, Breslau, Germany. Signaling apparatus.	754,152	Mar. 8	1843	411	109	424
Ludenborff, Heinrich, Berlin, Germany. Lubricator.	755,898	Mar. 29	5243	1159	109	1214
Ludington, Frank J., Waterbury, Conn. Continuous cigarette-machine.	763,991	July 5	130	21, 22	111	35
Ludington, George, assignor to Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizing tires in various lengths.	754,078	Mar. 8	1704	1379	109	392
Ludloff, Carl, San Pedro de los Pinos, Mexico. Beehive.	771,377	Oct. 4	311	69	112	1027
Ludlow, James T., et al., trustees. (See Luckenbach, Harry, assignor.)						
Ludlow, Samuel W., Covington, Ky. Non-refillable bottle.	753,894	Mar. 8	1359	306	109	313
Ludlow, William E., Cleveland, Ohio. Railway-truck.	758,990	May 3	807	163	110	186
Ludlow, William E., Cleveland, Ohio. Track-drilling machine.	761,975	June 7	712	146	110	1505
Ludowicz, Wilhelm, Tockgrim, Germany. Means for covering the valleys of tile roofs.	754,758	Mar. 15	2749	599	109	633
Ludowicz, Wilhelm, Munich, Germany. Tiled roof.	762,363	Oct. 18	2340	514	112	1502
Ludwig, Carl, Schönbeg, Germany. Substitute for shellac.	760,541	May 24	3884		110	925
Ludwig, John G. (See Ten Eyck, Edward N., assignor.)						
Ludwigson, Ferdinand, Pleasantgrove, Utah. Thimble attachment.	777,117	Dec. 13	1306	288	113	1733
Luebben, Melchior L., Sutton, Nebr. Machine for compressing and reeling fibrous material.	750,672	Jan. 26	4184	908	108	974
Luebben, Melchior L., Sutton, Nebr. Stock-food package.	776,139	Nov. 29	5267	1113	113	1256
Lueckert, August, St. Louis, Mo. Electric fire-alarm.	755,783	Mar. 29	5023	1116	109	1162
Luelien, Lawrence W., Boston, Mass. Bookcase.	761,312	May 31	5467	1160	110	1282
Lueht, Emil S., Baraboo, and C. D. Knight, assignors to National Electric Company, Milwaukee, Wis. Brush-holder.	762,074	June 7	891	184	110	1630
Luethy, Fredrick C., assignor of one-half to J. D. Harmon, Chicago, Ill. Ink-well.	755,023	Mar. 22	3588	788	109	835
Luff, Henry J., Cleveland, Ohio. Bath-trap cap and pipe.	772,162	Oct. 11	1918	425	112	1384
Luff, Henry J., Cleveland, Ohio. Flushing-tank.	774,666	Nov. 15	2399	517	113	571
Lufkin, Chauncey F., Lima, Ohio. Metallic railway-tie.	774,484	Nov. 8	1816	393	113	423

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Lufkin, Edward A., Beloit, Wis. Bottle-washing machine	768,057	Aug. 23	3903	819 820	111	1959
Luger, Georg, Charlottenburg, Germany. Recoil-loading small-arm	753,414	Mar. 1	366	85 86	109	80
Lugbihl, Adam D., and H. D. Zehrback, Bluffton, Ohio. Double-seaming head	767,651	Aug. 16	3070	641	111	1758
Luhmann, Henry W., Hays, Kans. Buckle	762,732	June 14	2221	482	110	1937
Lühne, Johann, Aix-la-Chapelle, Germany. Apparatus for operating on finely-divided fluids or solid materials	757,757	Apr. 19	3102	676	109	2037
Luitwieler, Clarence S., Boston, Mass. Carton-marking machine	766,634	Aug. 2	1009	212	111	1305
Luitwieler, Clarence S., Boston, Mass. Upper-leather-piece marker	766,635	Aug. 2	1011	212	111	1306
Lujanovitz, Michael. (See Dianovszky, John, assignor.)						
Luke, James, Eskridge, Kans. Drill or pump rod grapple	754,579	Mar. 15	2751	599	109	634
Lukehart, Albert C., Falls Creek, Pa. Nut-lock	772,811	Oct. 18	3213	639	112	1690
Lukens, Alan N., Elizabeth, N. J., assignor to Railway Steel-Spring Company. Bearing end for semielliptic springs	772,384	Oct. 11	2166	473	112	1442
Lukens, Truman W., and B. Hughes, Hoopesston, Ill. Automatic coupling	763,771	June 28	4249	926	110	2423
Lukes, William, Newark, N. J. Paper clip or holder	757,937	Apr. 19	3444	746	109	2113
Lukins, Fred J., assignor to American Well Works, Aurora, Ill. Pipe-grab	776,523	Dec. 6	94	22	113	1446
Luks, Emil C., Reading, Pa. Shoe-lacing	749,369	Jan. 12	2093	435	108	490
Luks, Emil C., Reading, Pa. Non-refillable bottle	749,370	Jan. 12	2094	435	108	491
Luks, Emil C., Reading, assignor of one-half to A. Meindl, Philadelphia, Pa. Non-refillable bottle	760,887	May 24	4585	978	110	1076
Luks, Emil C., Reading, assignor of two-thirds to A. and A. Meindl, Philadelphia, Pa. Window	776,477	Nov. 29	5917	1248	113	1405
Lunn, Franklin M., Westhaven, Conn. Packing-box	758,991	May 3	809	163	110	187
Lumb, George H., Pawtucket, R. I. Undergarment	775,086	Nov. 15	3049	647	113	721
Lumbard, Melville A. (See Eason, George L., assignor.)						
Lumley, Maitland. (See Bourseau, Jean B., assignor.)						
Lump, John, and M. F. Diffenderfer, Landisville, Pa. Insect-trap	753,895	Mar. 8	1360	306	109	313
Lunsden, William G. (See Glenn, George G., assignor.)						
Lunyer, Fred, North Montrose, Ohio. Hot-water furnace	749,740	Jan. 19	2440	519	108	580
Lunan, Thomas M., Newark, N. J., assignor to Central Stamping Company, of New York. Manufacture of enameled ware	758,325	Apr. 26	4238	—	109	2307
Lunan, Thomas M., Newark, N. J., assignor to Central Stamping Company, New York, N. Y. Enameled metal ware	774,679	Nov. 8	2180	—	113	499
Lund, Gustav, St. Louis, Mo. Oil-can	758,769	May 3	306	54	110	89
Lund, Jens G. F., Drammen, Norway. Wall or vault	752,624	Feb. 23	3635	800	108	1901
Lund, Thomas, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Mold or die for heel-compressing machines	776,860	Dec. 6	804	174	113	1603
Lundborg, Charles G., deceased; H. Clark, Washington, D. C., administratrix. Construction of ships	768,269	Aug. 23	4359	916	111	2061
Lundgren, Erick A., and C. H. Johannesen, St. Paul, Minn. Grass-twine-feeding machine	754,374	Mar. 8	2309	503	109	521
Lundgren, Gustav E., Elgin, Ill. Pneumatic eye exerciser and tester	770,645	Sept. 20	2867	609	112	680
Lundgren, Jacob, Philadelphia, Pa. Tension device	751,930	Feb. 9	2146	484	108	1535
Lundgren, Jacob, Philadelphia, Pa. Braiding-machine	768,132	Aug. 23	4101	862	111	2005
Lundgren, Jakob, Philadelphia, Pa. Power-shifter	751,740	Feb. 9	1770	402	108	1452
Lundholm, Erik M., St. Paul, Minn. File-cabinet	765,928	July 26	4060	868	111	924
Lundin, Carl G., Brooklyn, N. Y. Automatic feeder	761,089	June 7	135	23	110	1468
Lundin, Efraim, Boston, Mass., assignor to American Automatic Advertising Company. Display or advertising apparatus	759,815	May 10	2478	518	110	575
Lundquist, Erick G., Los Angeles, Cal., assignor of two-thirds to H. H. and W. A. Hail. Tobacco-pouch	776,790	Dec. 6	653	144	113	1570
Lundquist, Frank A., Chicago, Ill., assignor to M. E. Richardson, trustee, Sterling, Kans. Automatic telephone-exchange	776,524	Dec. 6	96	22	113	1446
Lundquist, Frank A., and J. K. Norstrom, Chicago, Ill., assignors to M. E. Richardson, trustee, Sterling, Kans. Telephone-exchange	749,308	Jan. 12	1557	339	108	375
Lundquist, Frank A., and C. J. Erickson, Chicago, Ill., assignors to themselves, J. Anderson, Salina, Kans., and Globe Automatic Telephone Company, Chicago, Ill. Automatic electrical exchange	763,412	June 28	3385	773	110	2280
Lundstrom, Carl J., Littlefalls, N. Y. Sectional bookcase	762,328	June 14	1382	208	110	1759
Lundy, Nathan W. (See Raff, James E., assignor.)						
Lunge, Georg, Zurich, Switzerland, and G. P. Pollitt, Stanford le Hope, England, assignors to Verein Chemischer Fabriken in Mannheim, Mannheim, Germany. Making sulfuric anhydride	758,844	May 3	524	—	110	125
Lunke, Edmund H. (See Adlersfeld, and Lunken.)						
Lunken, Edmund H., Cincinnati, Ohio. Window construction	763,496	June 28	3735	805	110	2312
Lunken, Edmund H., Cincinnati, Ohio. Window construction	769,803	Sept. 13	1259	270	112	302
Lunken, Edmund H., Cincinnati, Ohio. Window construction	773,330	Oct. 25	4422	938	112	1981
Lunken, Edmund H., Cincinnati, Ohio. Window construction	778,456	Dec. 27	3973	864	113	2332
Lunkenheimer Company. (See Aull, Jerome J., assignor.)						
Lünemann, Fritz. (See Braselmann and Lünemann.)						
Lunt, Alexander D., Schenectady, N. Y., assignor to General Electric Company. Rectifier for periodic currents	767,759	Aug. 16	3251	684	111	1799
Lunt, Alexander D., Schenectady, N. Y., assignor to General Electric Company. Phase transformation	771,814	Oct. 4	180	39	112	999
Lunt, Alexander D., Schenectady, N. Y., assignor to General Electric Company. Phase transformation	771,786	Oct. 4	1117	249	112	1198
Luppert, Valentine C., South Williamsport, Pa. Friction-hinge	761,517	May 31	5827	1246	110	1365
Luppino, Joseph, New York, N. Y. Folding bed	748,963	Jan. 5	791	171	108	180
Lurz, Andreas, assignor of one-half to H. R. G. von Adlersfeld, Vienna, Austria-Hungary. Producing platins, copy-paper	758,068	Apr. 26	3751	815	109	2198
Lusck, Henry, New York, assignor to H. F. Koch, Brooklyn, N. Y. Ankle-brace	765,024	July 12	2283	475	111	515
Lusted, Charles, Sr., Lafayette, La. Screw holder and driver	775,427	Nov. 22	3821	808	113	921
Lustig, Albert, Corsicana, Tex. Vest and drawers holder	756,666	Apr. 5	906	198	109	1537
Lustre Lamp Light Syndicate. (See James, Harry G., assignor.)						
Luther, Gardner C. See Eddy, Ira W., assignor.)	766,508	Aug. 2	745	155	111	1203
Luther, Gardner C., Swansea, Mass. Axle-nut wrench	771,378	Oct. 4	314	70	112	1027
Luther, Ormel R., Ansonia, Conn. Bag-fastener	777,348	Dec. 13	1740	385	113	1828
Luther, Roland Y., Vivian, W. Va. Anticaking-boot						
Lüthi, Rudolph, et al. (See Buhitz, Ernst, assignor.)						
Luthringer, Thiebaud, Lyons, France. Waterproofing tissues	757,326	Apr. 12	2229	487	109	1833

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Lütje, Julius, Altona, Germany. Method of and apparatus for impregnating parts of the body with medicaments.	753,990	Mar. 8	1544	345	109	357
Luttrell, John D., and W. C. Cantrell, Lake Station, Ind. Cement-brick machine.	760,888	May 24	4586	1978 1979	110	1076
Luttrell, William J., Honeygrove, Tex. Cultivator.	752,570	Feb. 16	3867	751	108	1825
Lüttringhaus, Arthur, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Green dye.	750,113	Jan. 19	3146	-----	108	732
Lutts, Frank W., Natick, Mass. Hinge and automatic catch for awning-blinds.	752,348	Feb. 16	2945	656	108	1733
Lutz, George A. (See Sibley and Lutz.)						
Lutz, George A., assignor, by mesne assignments, of one-half to F. K. Boland, New York, N. Y. Bond for conduits for electric wires.	749,391	Jan. 12	1725	365	108	411
Lutz, George A., assignor, by mesne assignments, of one-half to F. K. Boland, New York, N. Y. Elbow for conduits for electric wires.	749,392	Jan. 12	1727	366	108	411
Lutz, Herbert, assignor of two-fifths to B. Harris, Hamilton, Canada. Vehicle-tire.	767,949	Aug. 16	3640	770	111	1880
Lutz, Isaac, Frankfort, Mich. Device for relieving choke in elevator-boots.	749,071	Jan. 5	1050	222	108	242
Lutz, John W., assignor of one-half to J. E. Brelsford, Dayton, Ohio. Combined ticket and automatic auditing system.	770,814	Sept. 27	3218	678	112	776
Lutz, Rufus R., San German, Porto Rico. Pocket developing and fixing device.	748,964	Jan. 5	792	171	108	180
Lutz & Schramm Company. (See Riddlebaugh, John, assignor.)						
Lutz, William F. J., Chicago, Ill. Soil and sewer pipe connection.	763,298	June 21	3321	719	110	2300
Lutz, William F. J., Chicago, Ill. Joint for connecting soil and sewer pipes.	766,438	Aug. 2	611	139	111	1173
Lutze, Alfred, Halle-on-the-Saale, Germany. Machine for forming pats of butter or cakes of other material.	758,763	May 3	367	74	110	90
Lux, John, Frankton, Ind. Trousers-protector.	771,021	Sept. 27	3623	762	112	865
Lux, Julius K., St. Louis, Mo. Controlling means for electric circuits.	761,003	May 24	4813	1024	110	1124
Luyten, Johannes J., Batavia, Java. Signal.	749,870	Jan. 19	2676	573	108	632
Luzzi, Arthur E., New York, N. Y. Clip for catamenial belts.	774,131	Nov. 8	1284	272	113	307
Lyden, Patrick, Burlington, N. J. Clamp.	758,262	Apr. 26	4093	885	109	2274
Lydon, John F., assignor to International Manufacturing Company, Davenport, Iowa. Door-hanger. (Reissue.)	12,247	July 26	4538	969	111	1025
Lyford, Oliver S., et al. (See Sargent, Charles E., assignor.)						
Lyhne, Anker S., assignor to Bridgeport Brass Company, Bridgeport, Conn. Shade-holder.	751,862	Feb. 9	2414	456	108	1506
Lyhne, Anker S., assignor to Bridgeport Brass Company, Bridgeport, Conn. Burner-cap.	777,739	Dec. 20	2408	551	113	2007
Lyhne, Anker S., and W. S. Stapley, assignors to Bridgeport Brass Company, Bridgeport, Conn. Canister-top.	770,763	Sept. 27	3095	656	112	749
Lyke, Nathaniel, Jamestown, N. Y. Washboard attachment.	756,386	Apr. 5	397	81	109	1428
Lykke, Christian, New Rochelle, N. Y. Line-holder.	757,820	Apr. 19	3226	700	109	2065
Lykken, Henry G., Grafton, N. D. Tube expanding, beading, and cutting tool.	761,518	May 31	5828	1246	110	1366
Lyke, John N., Waco, Tex. Gate-operating device.	768,612	Aug. 30	5065	1070	111	2246
Lyke, Nathan A., Kremlin, Okla. Ter. Burglar-alarm.	774,131	Nov. 8	1284	272	113	307
Lyke, Robert W. (See Slater, Frederick R., assignor.)	754,470	Mar. 15	2535	553	109	590
Lyman Gun Sight Corporation. (See Windridge, James, assignor.)						
Lyman, Isidor, Cleveland, Ohio. Attachment for dental engines.	767,705	Aug. 16	3166	662	111	1779
Lyman, Theodore J. (See Glover, Herschel, assignor.)						
Lyman, Thomas T., Montclair, N. J., assignor to H. W. Johns-Manville Company, New York, N. Y. Electric insulator.	751,664	Feb. 9	1623	-----	108	1421
Lyman, William A., San Francisco, Cal. Spacing attachment for type-writers.	777,262	Dec. 13	1565	1348 1349	113	1789
Lyman, William I., et al. (See Baird, John P., assignor.)						
Lyman, Joseph E., San Jose, Cal. Fruit or berry box.	757,558	Apr. 19	2702	590	109	1949
Lynch, Albert, Stamford, Conn. Check-damper and smoke-pipe section.	762,542	June 14	1837	394	110	1857
Lynch, Daniel J., et al. (See Carr, John J., assignor.)						
Lynch, Embry W. (See Lynch, Victor T. and E. W.)						
Lynch, George M., Los Angeles, Cal. Wave-motor.	774,442	Nov. 8	1738	1372 1373	113	404
Lynch, James C. (See Slama, John A., assignor.)						
Lynch, James C., Chicago, Ill. Combined bureau and wall trunk.	755,682	Mar. 29	4792	1067	109	1109
Lynch, Jeremiah H., Rock Valley, Iowa. Carpet-stretcher.	772,945	Oct. 25	3487	756	112	1768
Lynch, John E. (See Smart and Lynch.)						
Lynch, Peter J. (See McDaniel, Charles W., assignor.)						
Lynch, Thomas J., Canton, Ohio. Implement for opening boxes or for other uses.	776,191	Nov. 29	5366	1136	113	1279
Lynch, Victor T. and E. W., Columbus, Ga. Clothes-pounder.	754,879	Mar. 15	3323	725	109	761
Lynch, William A., Canton, Ohio. Composite board.	759,899	May 17	2642	554	110	627
Lynd, Edward S., Orleans, Ind. Storm-shield for carriages.	764,855	July 12	1970	407	111	447
Lynde, Alvah. (See Spencer and Lynde.)						
Lyndon, Lamar, New York, N. Y., assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. System of electrical generation, distribution, and control.	750,549	Jan. 26	3975	860	108	929
Lyndon, Lamar, New York, N. Y., assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. System of electrical generation, distribution, and control.	750,550	Jan. 26	3977	860	108	930
Lyndon, Lamar, New York, N. Y., assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. Booster apparatus.	757,405	Apr. 12	2988	519	109	1866
Lyndon, Lamar, New York, N. Y., assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. Booster apparatus.	757,406	Apr. 12	2989	520	109	1866
Lyndon, Lamar, New York, assignor to National Battery Company, Buffalo, N. Y. Rheostat.	754,660	Mar. 15	2901	634	109	666
Lyndon, Lamar, New York, N. Y., assignor, by mesne assignments, to Electric Car Lighting Company, Jersey City, N. J. System of electrical distribution and control.	761,895	June 7	571	114	110	1567
Lyndon, Lamar, New York, N. Y., and E. A. Sperry, Cleveland, Ohio, assignors to National Battery Company, Jersey City, N. J. System of electrical generation, distribution, and control.	750,471	Jan. 26	3804	826 827	108	897
Lynds, Edgar D., Newman, Ill. Bread-making apparatus.	774,680	Nov. 8	2182	477 478	113	499
Lynes, Fred, Johnstown, N. Y. Vending-machine.	763,413	June 28	3600	775 776	110	2282
Lynes, Fred, Johnstown, N. Y. Vending-machine.	773,403	Oct. 25	4577	967	112	2015
Lyndham, William C., Richmond, and W. D. Crews, Concord Station, Va. Combined seed-planter and fertilizer-distributor.	776,525	Dec. 6	104	25	113	1448
Lynn, John, New York, N. Y. Advertising-wheel.	751,086	Feb. 2	557	129	108	1181
Lyon, Charles D., St. Louis, Mo. Rack.	753,598	Mar. 1	733	164	109	159
Lyon, Daniel J., Greenwich, Conn. Governor-valve.	754,880	Mar. 15	3324	725	109	761
Lyon, Fred W., Grand Junction, Colo. Safety attachment for hoisting-engines.	774,767	Nov. 15	4000	518	113	571
Lyon, George F., Woodford, Va. Excelsior-machine.	766,050	July 26	2593	920	111	974
Lyon, Harry, assignor to Brockton Supply Company, Brockton, Mass. Machine for pulling lasting-tacks.	777,795	Dec. 20	2605	575	113	2029

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Lyon, Henry H., Riverside, Cal. Boiler-feeder.....	769,391	Sept. 6	502	111	112	113
Lyon, Joseph, assignor to F. J. McCormick, trustee, Dayton, Ohio. Lock.....	761,843	June 7	464	94, 95	110	1343
Lyon, Joseph, assignor to F. J. McCormick, trustee, Dayton, Ohio. Burglar-alarm window-fastener.....	764,534	July 5	1298	264	111	284
Lyon, Joseph P. (See Ames, Lyon, and Russell.)						
Lyon, Leonidas N., and W. Donaldson, Flatonia, Tex. Railway-ticket.....	775,838	Nov. 22	4666	989	113	1103
Lyon, Royal J. (See Vincent, Frank S., assignor.)						
Lyon, Wallace C., Hyattsville, Md. Making concrete piles.....	754,375	Mar. 8	2312	505	109	522
Lyon, Wallace C., Hyattsville, Md. Apparatus for use in making concrete piles.....	754,376	Mar. 8	2313	505	109	523
Lyon, William I., Waukegan, Ill. Detachable handle.....	775,662	Nov. 23	4337	915	113	1033
Lyon, William T., Portland, Oreg. Dental appliance.....	757,938	Apr. 19	3445	746	109	2113
Lyons, David. (See Winnie, Ralph J., assignor.)						
Lyons, David, Chicago, Ill. Trousers.....	751,741	Feb. 9	1772	403	108	1452
Lyons, Enos W., Chicago, Ill. Banana-holder.....	760,224	May 17	3287	690	110	774
Lyons, Francis J., St. Louis, Mo. Concrete-floor construction.....	768,233	Aug. 23	4295	904	111	2047
Lyons, John A., et al. (See Broadwell, Edward C., assignor.)						
Lyons, John A., and E. C. Broadwell, Chicago, Ill. Accumulator.....	766,958	Aug. 9	1716	360	111	1443
Lyons, John A., and E. C. Broadwell, Chicago, Ill. Thermopile.....	775,187	Nov. 15	3325	697	113	758
Lyons, John A., and E. C. Broadwell, Chicago, Ill. Thermopile elements.....	775,188	Nov. 15	3324	698	113	768
Lyons, John A., McComb, Miss. Engineer's brake-valve.....	772,422	Oct. 18	2454	538	112	1527
Lyons, John C., assignor of one-half to T. M. Flynn, McComb, Miss. Steam-head for air-pumps.....	765,929	July 26	4062	868	111	925
Lyons, Robert L., Waltham, Mass. Thread-clamping device for sewing-machines.....	766,715	Aug. 2	1184	248	111	1304
Lyons, Robert L., Waltham, assignor to Union Button Sewing Machine Company, Boston, Mass. Button-sewing machine.....	758,326	Apr. 25	4239	911	109	2307
Lyons, Robert L., Waltham, assignor to Union Button Sewing Machine Company, Boston, Mass. Thread-cutting device for sewing-machines.....	762,543	June 14	1838	394, 395	110	1857
Lyons, Robert L., Waltham, assignor to Union Button Sewing Machine Company, Boston, Mass. Needle-vibrating mechanism for sewing-machines.....	765,544	June 14	1840	395	110	1857
Lyster, Frank, Philadelphia, Pa. Ventilating sash-bar.....	755,784	Mar. 29	5025	1117	109	1162
Lyster, Charles E. (See Snyder and Lyster.)						
Lyttleton, Henry T., Marshall, Tex. Spirometer.....	767,522	Aug. 16	2817	589	111	1701
Lyttton, Edward, London, England. Machinery for raising and lowering stage scenery, &c., of theaters.....	752,571	Feb. 16	3368	751	108	1825
Lyttton, Jarard W., Portsmouth, Va. Feed-water regulator.....	778,592	Dec. 27	4226	921	113	2366
Lyttton, Jarard W., Portsmouth, Va. Steam-trap.....	778,754	Dec. 27	4514	989	113	2450
Lyttton, Walter, Chicago, Ill. Colored sign-lamp.....	751,087	Feb. 2	559	130	108	1181
M. Cohn and Company. (See Kraus, Otto, assignor.)						
M. Rumely Company. (See Rumely and Robby, assignors.)						
Winter Lumber Company. (See Kade, Charles F., assignor.)						
M. C. Lilley & Company. (See Lindenberg, Carl E., assignor.)						
M. H. Treadwell & Company. (See Astrom, Karl P., assignor.)						
M. & P. Company of Chicago. (See Reynolds, Willie H., assignor.)						
Maas, Mayer, and F. Ricard, Baton Rouge, La. Spool holder and case.....	753,085	Feb. 23	4410	981	108	2075
Maas & Waldstein. (See Hunt, Frederick, assignor.)						
Mabee, Thaddeus W., Baltimore, Md. Match-box.....	764,895	July 12	2047	423	111	464
Mabrey, John, et al. (See Piper, Herbert H., assignor.)						
Mabrey, Morton, assignor of one-half to D. D. Duggan, Battlecreek, Mich. Car-brake.....	758,186	Apr. 26	3939	854, 855	109	2241
MacArthur, Christopher, and F. Smith, Woolston, England. Rotary engine.....	754,153	Mar. 8	1844	411, 412	109	424
MacCormac, Rockwell M. (See Schoenfeld, Ludwig F., assignor.)						
MacCoy, James S. (See Kahn, Felix, assignor.)						
MacDonald, Henry R., and I. G. Colcord, Vancouver, Canada. Vehicle-brake.....	767,299	Aug. 9	2370	495	111	1583
MacDonald, William, and W. M. Veale, Philadelphia, Pa. Portable street or road carrousel.....	773,292	Oct. 25	4346	918	112	1966
MacDougall, Frederick S., Seattle, Wash. Clothes-drier.....	751,863	Feb. 9	2015	456	108	1506
MacFadden, Carl K., Geneva, Ind. Gas generating and feeding mechanism for gas-engines.....	748,763	Jan. 5	390	89	108	87
MacFarlane, Oliver F., et al. (See Schofield and Ross, assignors.)						
MacGahan, Paul, Pittsburg, Pa. Assignor to Westinghouse Electric & Manufacturing Company. Three-phase ground-detector.....	770,865	Sept. 27	3307	698, 699	112	795
MacGregor, Alexander, Elizabeth, and J. V. B. Kenny, Bayonne, N. J. Reversible friction drive-gear.....	773,951	Nov. 1	840	176	113	193
MacGregor, Henry S., deceased; R. J. MacGregor, Cleveland, Ohio, administratrix. Book-sewing bench.....	756,236	Apr. 5	127	26	109	1370
MacGregor, Rose J., administratrix. (See MacGregor, Henry S.)						
MacHarg, William S., Chicago, Ill. Device for extracting fluid from saturated material.....	777,796	Dec. 20	2606	575, 576	113	2029
MacIvor, Ivan. (See Currence and MacIvor.)						
MacKay, Philip A., Wenona, and W. E. Moore, Peru, Ill. Furnace.....	750,898	Feb. 2	162	38	108	1093
MacKenzie, Alexander W. (See Ross and MacKenzie.)						
MacKenzie, George W., Beaver, Pa. Coin-controlled vending apparatus.....	766,716	Aug. 2	1186	249	111	1305
MacKenzie, George W., Beaver, assignor of two-thirds to W. J. Archer, Vanport, Pa. Coin-controlled vending-machine.....	759,535	May 10	1939	397	110	459
MacKenzie, George W., assignor of five-sixths to R. H. Marks, R. E. Mills, Beaver, and R. H. M. MacKenzie, Pittsburg, Pa. Check-controlled game apparatus.....	754,377	Mar. 8	2315	505	109	523
MacKenzie, Robert H. M., et al. (See MacKenzie, George W., assignor.)	768,008	June 21	2766	600	110	2078
MacKinnon, Falkland R. A., Grand Rapids, Wis. Vehicle-axle.....	749,902	Jan. 19	2738	586	108	647
MacKinnon, Falkland R. A., assignor of one-half to J. Schnabel, Grand Rapids, Wis. Wagon stake or standard.....	755,024	Mar. 22	3590	788	109	835
MacLaughlin, John B., Vancouver, Canada. Grain-door for cars.....	755,511	Mar. 22	4461	991	109	1020
MacLaughlin, William G., Windsor, Canada. Supplementary truck-frame for brake mechanism.....	772,946	Oct. 25	3468	756, 757	112	1768
MacLennan, Joseph A., Ambler, Pa., assignor to Dodge Coal Storage Company, Nauga-tuck, Conn. Storage apparatus for coaling-stations.....	761,594	May 31	5966	1280, 1281	110	1396
MacLennan, William, Bowie, La. Crosscut-saw handle.....	750,773	Jan. 26	4430	855	108	1091
MacMaster, Abraham L., assignor to A. Moon, Chicago, Ill. Printer's tie-up.....	771,914	Oct. 11	1388	316	112	1289
MacMillan, William, assignor of one-half to E. Winkler, New York, N. Y. Electric vibrator.....	755,577	Mar. 22	4580	1019	109	1048
MacMulin, John J., assignor to Daimler Manufacturing Company, Long Island City, N. Y. Vaporizer for hydrocarbon-engines.....	759,624	May 10	2115	434	110	496
MacTaggart, Charles, Philadelphia, Pa. Pipe-hanger.....	758,458	Apr. 26	4488	965	109	2362
Macadam, Peter, near Johannesburg, Transvaal. Apparatus for automatically greasing hoisting or hauling ropes.....	762,329	June 14	1384	298, 299	110	1760

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Macardle, John S., Dundalk, Ireland. Air-purifier.	757,475	Apr. 19	2329	554	109	1912
Macaulay, Antoinette, Fort Dodge, Iowa. Wood-preserving compound.	778,321	Dec. 27	3085	555	113	2270
Macaulay, Lorenzo G., Malcom, Iowa. Shackle and tail-holder for cows.	751,088	Feb. 2	561	130	108	1182
Maccoun, Andrew E. (See Ferguson and Maccoun.)						
Macdonald, Duncan W., Havelock North, New Zealand. Drawing-compasses.	774,327	Nov. 8	1535	399	113	362
Macdonald, George G., Warren, R. I. Cigar-case.	774,681	Nov. 8	2187	478	113	501
Macdonald, Harry F., Jr. (See Green and Macdonald.)						
Macdonald, James A. (See De Lamarier and Macdonald.)						
Macdonald, John, Fort Russell, Wyo. Fuel-cleaner.	772,243	Oct. 11	2093	457	112	1424
Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Production of sound-records or similar articles.	773,801	Nov. 1	502	109	113	117
Macdonald, William J., Detroit, Mich. Circulating system for steam-boilers.	753,991	Mar. 8	1544	345	109	357
Macey, Sidney, Barnes, England. Device for sounding chords on keyboard instrument.	751,742	Feb. 8	1774	403	108	1433
Macfadyen, Agnes, Ponca, Okla. Ter. Heat-radiator.	765,092	July 12	2422	504	111	541
Macfadyen, William A., Pretoria, Transvaal. Means for heat jacketing and screening.	762,178	June 7	1067	226	110	1671
Macfarlane, Alexander T., Rochester, England. Basic refractory material.	757,821	Apr. 19	3826		109	2065
Macfarlane, Deas, Scottdounhill, Glasgow, Scotland. Spring clamp or holder for holding the lids or covers of padding-boilers, &c.	775,663	Nov. 22	4938	915	113	1033
Macfarlane, James D. (See Keyes, Frank E., assignor.)						
Macfarlane, James W., Kingston, Scotland. Centrifugal machine.	752,572	Feb. 16	3970	751	108	1826
Macfarlane, James W., Kingston, Scotland. Centrifugal machine.	758,457	Apr. 26	4486	964	109	2262
Macfarlane, James W., Glasgow, Scotland. Water-driven centrifugal machine.	753,155	Feb. 23	4525	1000	108	2029
Macfarlane, James W., Glasgow, Scotland. Speed-governor.	755,575	Mar. 22	4576	1018	109	1047
Macfarlane, James W., Glasgow, Scotland. Fluid-pressure bearing.	777,682	Dec. 20	2396	537	113	194
Machado, Manuel C., Morro, Cal. Riveting-machine.	758,263	Apr. 26	4094	886	109	2274
Maccharacek, Theodor, Düsseldorf, Germany. Scaffold.	776,668	Dec. 6	404	90	113	1518
Machen, James H., assignor of one-half to O. B. Burroughs, Norfolk, Va. Automatic sash-catch.	765,025	July 12	2284	476	111	515
Machin, Charles A., assignor of one-half to H. W. Machin, Dorrance, Kans. Disk-grinding machine.	760,889	May 24	4590	979	110	1077
Machin, Harvey W. (See Machin, Charles A., assignor.)						
Macbiet, George, Jr., Elizabeth, N. J. Gas-burner.	766,636	Aug. 2	1015	213	111	1267
Macbriett, Robert, New York, N. Y. Spiral vacuum-tube for therapeutic purposes.	754,079	Mar. 8	1708	380	109	392
Mack, Charles, assignor of one-fourth to J. A. Johnson, Butte, Mont. Last.	756,667	Apr. 5	908	198	109	1337
Mack, Ernest U., Florence, S. C. Conduit-threading machine.	774,525	Nov. 8	1896	412	113	339
Mack, Lemuel B., Walla Walla, Wash. Harvester and thresher.	768,471	Aug. 23	4776	1001	111	2159
Mack, Lemuel B., Walla Walla, Wash. Threshing apparatus.	768,472	Aug. 23	4781	1002	111	2160
Mack, Ludwig, Stuttgart, Germany. Manufacture of compositions from calcined gypsum.	776,076	Nov. 29	5149		113	1229
Mack, Samuel B., St. Paul, Minn. Packing-ring.	761,593	May 31	5966	1280	110	1396
Mack, Victoria E., Kansas City, Mo. Corset.	767,300	Aug. 9	2371	496	111	1584
Mack, William A., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Two-needle sewing-machine.	763,497	June 28	3737	806	110	2312
Mack, William A., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Machine for sewing on buttons.	766,833	Aug. 9	1470	308	111	1388
Mack, William A., Norwalk, assignor to Standard Sewing Machine Company, Cleveland, Ohio. Thread-retainer for sewing-machines.	772,423	Oct. 18	2457	538	112	1528
Mack, William A., Norwalk, assignor to Standard Sewing Machine Company, Cleveland, Ohio. Shuttle-raceway support for sewing-machines.	778,302	Dec. 20	3442	757	113	2199
Mack, William H., Messmore, Pa. Nut-lock.	753,415	Mar. 1	373	87	109	81
Mackay, Angus G. (See Roberts, Horace L., assignor.)						
Mackellar, William C., and T. Mackenzie, Greenock, Scotland. Conveyor.	773,210	Oct. 25	4192	885	112	1931
Mackenzie, Franklin H., Salem, Mass. Astronomical apparatus.	766,276	Aug. 2	282	55, 56	111	1102
Mackenzie, James A., Minneapolis, Minn. Hinge-mortising machine.	768,058	Aug. 23	3906	820	111	1960
Mackenzie, Thomas. (See Haeber, Anton J., assignor.)						
Mackenzie, Thomson. (See Mackellar and Mackenzie.)						
Mackey, Charles F., assignor of two-thirds to W. H. Tomer and H. N. Carter, Philadelphia, Pa. Electric battery.	773,331	Oct. 25	4423	938	112	1981
Mackey, James R. (See O'Donnell and Mackey.)						
Mackie, Harry A. (See Mead and Mackie.)						
Mackie, Harry A. (See Mead, Mackie, and Van Buren.)						
Mackie, Henry A., assignor of one-half to E. E. Wood, New Orleans, La. Apparatus for the distillation of wood and production of charcoal.	757,939	Apr. 19	3447	746	109	2114
Mackin, Samuel, Laredo, Tex. Rotary engine.	777,968	Dec. 20	2997	657	113	2107
Mackinder, George T., Rochester, N. Y. Hinge.	760,890	May 24	4931	979	110	1077
Mackintosh, Frederick, Schenectady, N. Y., assignor to General Electric Company. Starting-throstat.	760,619	Sept. 6	916	199	112	208
Mackintosh, Frederick, Schenectady, N. Y., assignor to General Electric Company. Electric switch.	771,989	Oct. 11	1540	347	112	1303
Mackintosh, William M., Liverpool, England. Compound for waterproofing fabrics.	771,257	Oct. 4	74		112	978
Macklind, William R., St. Louis, Mo. Drier.	758,327	Apr. 26	4342	912	109	2307
Macklind, William R., St. Louis, Mo. Boiler.	761,313	May 31	5468	1161	110	1282
Mackrow, George C., and H. G. Cameron, Blackwall, London, England. Depository for coal or the like.	749,207	Jan. 12	1340	288	108	328
MacLagan, John W. H., Parkridge, N. J. Telephone-circuit.	778,332	Dec. 27	3685	804	113	2270
Maclean, Alexander J., New York, N. Y. Means for locking or unlocking rudders.	752,066	Feb. 16	2444	547	108	1619
Maclean, Alexander J., New York, N. Y. Means for securing vessels to moorings.	768,765	Aug. 30	5398	1137	111	2313
Macleod, William A., Boston, Mass. Tooth-brush.	758,794	Dec. 3	370	75	110	90
Macloskie, George, Schenectady, N. Y., assignor to General Electric Company. Emergency-brake.	777,118	Dec. 13	1307	288	113	1733
Macmillan, George. (See Ramage and Macmillan.)						
Macmillan, William, Palmerston North, New Zealand. Making leather.	774,260	Nov. 8	1404		113	333
Macomber, Charles J., and G. H. Guthrie, Muncie, Ind. Friction-clutch.	771,652	Oct. 4	553	191	112	1142
Macon, Jacob H., Jr., Tampa, Fla. Sewing-machine motor.	757,629	Apr. 19	2860	624	109	1986
Maconnell, Alexander N., New York, N. Y. Closure for bottles or the like.	778,593	Dec. 27	4231	921	113	2387
Macphail, James, Blue Island, assignor to McCormick Harvesting Machine Company, Chicago, Ill. Harvester attachment for mowing-machines.	756,865	Apr. 12	1296	289	109	366
Macpherson, Peter, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom-temple.	763,619	June 28	3949	859	110	2357
Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders.	750,774	Jan. 26	4432	955	108	1031

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Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders	750,989	Feb. 2	385	92	108	1143
Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders	750,990	Feb. 2	386	92	108	1143
Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders	755,026	Mar. 22	3592	789	109	836
Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders	771,799	Oct. 4	1142	255	112	1203
Macwilliam, Hugh G., New Rochelle, N. Y. Suspenders	771,990	Oct. 11	1551	347	112	1304
Macwilliam, Hugh G., New Rochelle, N. Y. Cast-off for suspenders	773,759	Nov. 1	430	94	113	101
Madas, Louis, assignor to Rapid Envelope Sealing Co., New York, N. Y. Machine for sealing envelopes	758,992	May 3	810	103	110	187
Madas, Louis, assignor to Rapid Envelope Sealing Company, New York, N. Y. Machine for sealing envelopes	773,952	Nov. 1	841	176	113	193
Madden, Albert F., Newark, N. J., assignor, by mesne assignments, to Electric Storage Battery Co., Philadelphia, Pa. Apparatus for making grids for secondary-battery plates	757,210	Apr. 12	1986	433	109	1784
Madden, Albert F., Newark, N. J., assignor to Vehicle Equipment Company, New York, N. Y. Running-gear	770,725	Sept. 20	3019	642	112	713
Madden, Albert F., Newark, N. J., assignor to Vehicle Equipment Company, New York, N. Y. Running-gear	770,726	Sept. 20	3020	642	112	713
Madden, Albert F., Newark, N. J., assignor to Vehicle Equipment Company, New York, N. Y. Running-gear	770,727	Sept. 20	3022	642	112	714
Madden, Albert F., Newark, N. J., assignor to Vehicle Equipment Company, New York, N. Y. Running-gear for vehicles	770,728	Sept. 20	3023	642	112	714
Madden, Daniel, and W. A. Thompson, Chepstowe, Canada; said Madden assignor to said Thompson. Bag-holder	754,580	Mar. 15	2752	599	109	634
Madden, John, et al. (See Royle, Samuel, assignor.)						
Madden, Patrick J., Chicago, Ill. Pipe-fitting	749,309	Jan. 12	1560	330	108	375
Madden, Patrick J., Chicago, Ill. Washbasin	755,303	Mar. 22	4080	903	109	940
Madden, Patrick J., Chicago, Ill. Water-closet	776,408	Nov. 29	5776	1223	113	1373
Maddin, Samuel D., Detroit, assignor of one-half to M. Young, Port Huron, Mich. Mowing-machine	760,637	May 24	4078	867	110	968
Maddock, Harry S., and J. F. Kelly, Trenton, N. J., assignors to Thomas Maddock's Sons Company. Lavatory-basin	756,257	Apr. 5	128	26	109	1370
Madgett, William (See Mouser, L. D., assignor.)						
Madigin, Jacob W., Toronto, Canada. Secondary battery	763,565	June 28	3863	837	110	2340
Madonna, Charles J., New York, N. Y. Tricycle	763,190	June 21	3128	672	110	2159
Madsen, Charles W., Chicago, Ill. Breathing apparatus	769,755	Sept. 13	1176	254	112	284
Maenche, Albert T., Waltham, Mass., assignor to Judson L. Thomson Manufacturing Company. Rivet-setting machine	753,281	Mar. 1	123	29, 30	109	30
Maersch, Frank P., et al. (See Wensauer, Max, assignor.)						
Maersch, John, et al. (See Wensauer, Max, assignor.)						
Maes, John, assignor of one-half to J. McCalmont, Chicago, Ill. Perch for fowls	760,006	May 17	2858	598	110	678
Maeuilen, Albert, Denver, Colo. Oil-burner	754,661	Mar. 15	2903	635	109	666
Maftett, Robert R., Bayonne, N. J., assignor to International Nickel Company. Furnace for reducing and smelting nickel oxides	774,591	Nov. 8	2922	441	113	465
Maffit, George, and T. T. Parker, Chicago, Ill. Boiler	764,611	July 12	1466	299	111	337
Magaldi, Emilio, La Briche Saint Denis, France. Belt-chain	756,866	Apr. 12	1299	290	109	1636
Magaldi, Emilio, Paris, France. Belting	761,619	May 31	5811	1247	110	1366
Magaziner, Ethel, Philadelphia, Pa. Garment-fastener	759,625	May 10	2117	434	110	496
Magas Furnace Company. (See Magee, John, assignor.)						
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Plate for ranges or stoves	752,239	Feb. 16	2729	604	108	1686
Magee, John, Malden, and I. W. Winchester, Chelsea, Mass. Molder's flask-turning device	773,211	Oct. 25	4198	886	112	1931
Magers, Bonneventure T., assignor to Indianapolis Arm, Bracket and Pin Company, Madison, Ind. Automatic turning-machine	750,209	Jan. 19	3311	715	108	767
Maggi, Jules, Paris, France. Increasing the solubility of extracts	764,483	July 5	1169	716	111	258
Magic Curler Company. (See Martin, James F., assignor.)						
Magie, Lizzie J., Brentwood, Md. Game-board	748,626	Jan. 5	144	34, 35	108	32
Magin, John G., assignor of one-half to G. W. Hoff, Rochester, N. Y. Fountain and penholder	762,830	June 14	2419	536	110	1981
Maginn, Felix, Warrington, England. Apparatus for coating paper or the like with adhesives	750,391	Jan. 26	3473	752	108	823
Maginnis, Michael F., Philadelphia, Pa. Artificial fuel and making same	774,682	Nov. 8	2187	716	113	501
Maginnis, Patrick, Kimball, Neb. Extensible trough or flume	749,671	Jan. 19	2678	573	108	633
Maginot, Albert, Damperie, assignor to Société l'Éclairage Electrique, Paris, France. Polycellular centrifugal pump	773,953	Nov. 1	845	177	113	194
Magnard, Marius, Salaise, France. Making pyrotechnical compositions	759,387	May 10	1662	110	397	
Magness, John W., St. Louis, Mo., assignor to L. Maybaum, Newark, N. J. Adding attachment for type-writers	758,371	Apr. 26	4322	928	109	2324
Magness, William T., Springfield, S. C. Cracker	754,326	Mar. 8	2168	480	109	490
Magneto Electric Company. (See Krueger, Max C., assignor.)						
Magneto Electric Company. (See Pitrat, Claude R., assignor.)						
Magneto Electric Company. (See Wagner, Bruno O., assignor.)						
Magniez, Ernest P. F., Amiens, France. Cooling apparatus	757,322	Apr. 19	3327	700	109	2065
Magnus of Ekström, Fredrik K., Stockholm, Sweden. Manufacturing linoleum carpets	754,581	Mar. 15	2753	599	109	634
Magnus, Philip, Collingwood, Victoria, Australia. Treating leather	775,839	Nov. 22	4665	113	1103	
Magnus, Philip, Northcote, Victoria, Australia. Pneumatic tire	778,136	Dec. 20	3325	730	113	2175
Magnuson, August, assignor of one-half to J. E. and E. Berquist, Ishpeming, Mich. Wrench	753,720	Mar. 1	975	220	109	210
Magnuson, Axel. (See Eskilsson, Theodor, assignor.)						
Magnuson, Axel, New York, and T. Eskilsson, Long Island City, N. Y. Means for controlling the operation of locks of elevator-hatchway doors	751,799	Feb. 9	1878	427	108	1475
Magnusson, John A., Tacoma, Wash. Metallic packing	774,886	Nov. 15	2652	569	113	627
Magoffin, Edward T. (See Meygret, Achille, assignor.)						
Magoon, Roy L., Graceville, Minn. Guard for dental tools	763,918	June 28	4547	992	110	2485
Magoris, Anthony E., Binghamton, N. Y. Combined abdominal hernia-pad	763,693	June 28	4082	888	110	2386
Magui, Abel, and M. Cooper, New York, N. Y. Portable wardrobe	753,721	Mar. 1	975	221	109	210
Maguire, James W. M. and F. Young, Reno, Nev. Hand-brake mechanism	770,298	Sept. 20	3230	465	112	538
Maguire, James W. (See Sawyer, Frederick A., assignor.)						
Maguire, Joseph H., Wayne, Pa. Amusement apparatus	774,917	Nov. 15	2712	582	113	640
Maguire, William, Birmingham, England. Cigarette or cigar case	760,225	May 17	3388	690	110	774
Mahana, John B., Tacoma, Wash. Braking mechanism	754,327	Mar. 8	2169	481	109	491

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Mahana, John B., Tacoma, Wash. Voting-machine	775,112	Nov. 15	3100	{ 658 659 660 790 791	{ 113	732
Mahar, Malicha P., Rouse Point, N. Y. Press	765,744	July 26	3706	{ 790 791	{ 111	848
Maher, Joseph, and C. W. Harbison, Columbus, Ohio. Locking mechanism for switch-points	775,840	Nov. 22	4669	989	113	1103
Maher, Michael M., assignor of two-thirds to R. Barner and J. C. Woodward, Kittanning, Pa. Glass-melting furnace	757,066	Apr. 19	2928	636	109	2000
Maheu, Victor, Willimantic, Conn. Roll-cleaning device for spinning-machines	752,989	Feb. 23	4231	943	108	2034
Mahl, Joseph. (See Tabak and Champion, assignors.)						
Mahon, Bernard I., assignor to Brady Bros. and Kerberg, Sanborn, Iowa. Heater	760,326	May 17	3288	{ 690 691	{ 110	774
Mahoney, Daniel H., Vincennes, Ind. Excavating and loading machine	753,282	Mar. 1	125	30	109	31
Mahoney, David I. (See Smith, Frederick H., assignor.)						
Mahoney, George F., Brooklyn, N. Y. Emptying rooms of smoke	750,869	Feb. 2	165	39	108	1094
Mahoney, John J., Chattanooga, Tenn. Sink-bracket	738,545	Apr. 26	4660	1008	109	2401
Mahoney, Joseph M., Boston, Mass. Insulator	751,743	Feb. 9	1775	404	108	1453
Mahoney, Joseph N., Brooklyn, N. Y. Electromagnetic apparatus	777,039	Dec. 6	1161	{ 232 233	{ 113	1695
Mahoney, Joseph N., Brooklyn, assignor to American Electric Brake Company, New York, N. Y. Electric brake for vehicles	776,536	Dec. 6	109	{ 25 27	{ 113	1449
Mahoney, Michael J. (See Bieman, Philip H., assignor.)						
Mahoney, Timothy, San Francisco, Cal. Electric-railway system	755,899	Mar. 29	5244	{ 1159 1160	{ 109	1214
Mahoney, Timothy, San Francisco, Cal. Electric railway	759,453	May 10	1778	359	110	432
Mahoney, Timothy, San Francisco, Cal. Electric railway	764,856	July 12	1971	407	111	447
Mahony, Albert D., Troy, N. Y. Revolving sad-iron	748,627	Jan. 5	146	35	108	33
Mahony, Edwin C., Vancouver, Canada. Portable wall-section for house-building	765,930	July 26	4066	{ 868 869	{ 111	926
Mahony, Thomas. (See Griffin, Michael, assignor.)						
Maidhof, Henry S., New York, N. Y. Embossing-machine	757,758	Apr. 19	3104	676	109	2038
Maidhof, Henry S., New York, N. Y. Rotary support for embossing-machine platens	757,759	Apr. 19	3105	676	109	2038
Maier, William, and G. M. Howe, assignors to R. Hoffeld & Company, Buffalo, N. Y. Washer-stapling machine	758,312	Apr. 26	3988	865	109	2251
Main, William B., Chicago, Ill. Display device	755,900	Mar. 29	5246	1160	109	1214
Main, William J., assignor to R. Hoe, New York, N. Y. Plate-clamp	773,255	Dec. 27	3549	773	113	3212
Main, William J., assignor to R. Hoe, New York, N. Y. Plate-clamp	778,829	Dec. 27	4672	1022	113	2487
Maine, Frederic E., Brooklyn, N. Y. Molding	769,867	Sept. 13	1396	298	112	334
Maine Valve Company. (See Tozier, Charles C., assignor.)						
Maingault, William P., and J. C. Graham, Memphis, Tenn. Vaporizing device for lubricants	756,126	Mar. 29	5681	1253	109	1307
Maignet, Edward A., Evangeline, La. Buckle	756,668	Apr. 5	909	198	109	1537
Mainland, Albert W., assignor to himself, G. A. Diack, and W. Schnurr, New York, N. Y. Multiple-cylinder engine	776,336	Nov. 29	5631	1193	113	1338
Mains, Claude P., Lakewood, Ohio. Rotary engine	753,066	Feb. 23	4412	981	108	2075
Mainzer, Wolfe, London, England. Mosaic	769,704	Sept. 13	1085	292	112	304
Maish, Albert F. (See Churcher, William B., assignor.)						
Maitland, John, Swampscott, Mass. Device for measuring heights of individuals	750,870	Feb. 2	167	39	108	1094
Maitland, John, Swampscott, Mass. Strength-testing apparatus	768,613	Aug. 30	5096	{ 1070 1071	{ 111	2246
Majestic Manufacturing Company. (See Edcl, Lucas, assignor.)						
Majestic Wire Fence Co. (See Willmarth, Charles A., assignor.)						
Majestic Wire Fence Company. (See Barnes and Willmarth, assignors.)						
Majestic Wire Fence Company. (See Willmarth and Barnes, assignors.)						
Major, Alphonse, New York, N. Y. Water-supply	755,150	Mar. 22	3802	838	109	884
Major, Alphonse, Flushing, N. Y. Base for water-coolers	773,579	Nov. 1	696	145	113	160
Makeever, M. A. (See Nelson, Nels E., assignor.)						
Makeever, Madison M. (See Lawrence, Robert S., assignor.)						
Makepeace, Alexander, Fall River, Mass. Mechanism for removing waste yarn from bobbins	761,976	June 7	714	146	110	1595
Makroczy, Frank. (See Regdon and Makroczy.)						
Malaby, William L. F., Gentry, Okla. Ter. Animal-poke	774,359	Nov. 8	1589	341	113	374
Malcolm, Charles P., Owosso, Mich. Vehicle running-gear	757,476	Apr. 19	2532	556	109	1912
Malcolm, Walter R., Albany, N. Y. Lubricator	756,867	Apr. 12	1299	290	109	1636
Malcomb, J. B. (See Henderson, Arthur S., assignor.)						
Malette, Frederick A., Geneva, N. Y. Making concrete building-blocks	751,089	Feb. 2	563	{ 130 131	{ 108	1182
Maley, Nixon. (See Cruikshank, William Y., assignor.)						
Malikowski, Joseph. (See Justen, Joseph M., assignor.)						
Maline & Carew. (See Leslie, Curtis W., assignor.)						
Mallings, Charles J., Easthampton, Mass. Game	770,815	Sept. 27	3220	678	112	776
Mallanz, Victor, Chicago, Ill. Sewing-machine guide	767,301	Aug. 9	2373	496	111	1584
Mallat, Julius, St. Louis, Mo. Railway-rail and joint therefor	748,764	Jan. 5	302	89	108	87
Mallat, Julius, St. Louis, Mo. Metal railway-tie	758,993	May 3	814	165	110	187
Mallia, Paul, Milano, Tex. Stock-guard	772,364	Oct. 18	2341	614	112	1502
Mallin, Isaac H., Chicago, Ill. Manifolding device	756,253	Apr. 5	130	26	109	1371
Mallison, Alvin H. (See White and Mallison.)						
Mallmann, James, Sheboygan, Wis. Calculating-machine	777,797	Dec. 20	2610	{ 576 577 578 579	{ 113	2030
Mallonee, John C., Charlotte, N. C., assignor of one-half to J. J. Mallonee, Crichton, Ala. Apparatus for distilling crude oils	764,138	July 5	448	87, 88	111	97
Mallonee, John C., Charlotte, N. C., assignor of one-half to J. J. Mallonee, Crichton, Ala. Distillation of crude oils from pine-wood	766,717	Aug. 2	1189	250	111	1805
Mallonee, John C., Charlotte, N. C., assignor of one-half to J. J. Mallonee, Crichton, Ala. Retort	774,261	Nov. 8	1404	{ 300 301	{ 113	333
Mallonee, John J. (See Mallonee, John C., assignor.)						
Mallonee, Joseph C., assignor of one-half to B. A. Owen, Denver, Colo. Bracket saw-table	750,551	Jan. 26	3982	860	108	930
Mallory, Anna C., Chicago, Ill. Curtain-stretcher	773,577	Nov. 1	89	18	113	26
Mallory, Elwyn A., assignor to Berger Manufacturing Company, Canton, Ohio. Metal stud	772,662	Oct. 18	2914	640	112	1625
Mallory, George, Fairbury, Ill. Combined window shade, curtain, and cornice supporter	751,800	Feb. 9	1881	428	108	1476

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Malloy, Edward T., Hamilton, Ohio. Smoke-house.	769,756	Sept. 13	1178	254	112	284
Mally, Joseph J., Franklin township, Butler county, Nebr. Drive-wheel for traction-engines.	769,352 755,901	Sept. 6 Mar. 20	493 5247	97 1160	112 109	95 124
Mally, Roman, Vienna, Austria-Hungary. Beerwort-distributor.	778,660	Nov. 1	240	53	113	58
Malmgren, John, Ceresko, Nebr. Brooder.	762,738	June 14	2222	483	110	1937
Malmquist, Oscar, New York, N. Y. Curtain-fixture.						
Malignight, John V. (See Smith and Malignight.)						
Maione, Albert L., San Francisco, Cal. Steam-beer, steam-ale, or steam-porter drawing machine.	767,302 777,040	Aug. 9 Dec. 6	2375 1163	496 253	111 113	1584 1686
Malone, Albert L., San Francisco, Cal. Coupling.	756,669	Apr. 5	910	198	109	1538
Malone, Charles H., Acme, Tex. Cement-plaster kettle.						
Malone, John F., assignor to Buffalo Fire Proof Lath Company, Buffalo, N. Y. Metal-lath-forming machine.	768,946	Aug. 30	5773	1213 1214	111	2398
Malone, John F. assignor to Buffalo Fire Proof Lath Company, Buffalo, N. Y. Metal-lath.	768,947	Aug. 30	5776	1214	111	2398
Malone, John F., and S. Davidson, Buffalo, N. Y. Macaroni-press.	756,259	Apr. 5	133	26, 27	109	1771
Maloney, George W., Barr, Colo. Spoke-socket.	757,047	Apr. 12	1676	363	109	1715
Maloz, Walter C. (See Bond and Maloz.)						
Malsch, Frank, assignor to Industrial Manufacturing Company, Camden, N. J. Over-seaming and wetting sewing-machine.	758,264	Apr. 26	4097	886 887	109	2275
Maltby, Charles C., assignor to Twinlock Company, Cincinnati, Ohio. Loose-leaf binder.	767,159	Aug. 9	2121	442	111	1329
Maltby, George B., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Brake-beam.	751,864	Feb. 9	2016	456	108	1507
Mangelsdorf, George B., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Roof-carline.	773,954	Nov. 1	847	178	113	195
Maltby, George K., Newton, Mass. Means for illuminating show-windows.	767,448	Aug. 16	2737	574 575	111	1684
Maltby, Louis F., Waterbury, Conn. Handcuff.	772,468	Oct. 18	2551	561	112	1458
Maly, Franz J. (See Turk, Desiderius, assignor.)						
Manahan, Dennis H., assignor of one-third to J. J. & R. J. B. Bradley, Shawnee, Okla. Ter. Bottle.	776,140	Nov. 29	5288	1114	113	1256
Manahan, Joseph A., New York, N. Y. Mouthpiece or stem for smokers' articles.	757,760	Apr. 19	3107	676	109	2088
Manahan, Joseph A., assignor of one-half to S. Bookman, New York, N. Y. Ball.	765,145	July 12	2513	525	111	562
Manahan, Joseph A., and S. Waldeck, New York, N. Y.; said Manahan assignor to said Waldeck. Means for sliding and holding phonographic records on mandrels.	758,546 771,559	Apr. 26 Oct. 4	4661 679	1004	109 112	2401 1108
Mandel, John. (See Stein and Mandel.)						
Mandelstam, Leonid, Berlin, and H. Brandes, Strassburg, Germany. Wireless signaling system.	776,337 763,992	Nov. 29 July 5	5635 117	1194 23	113	1389 36
Mander, James, Philadelphia, Pa. Railway-rail.						
Manderson, John, assignor of one-half to H. J. Bancroft, Seattle, Wash. Sharpening attachment for band-cutters and feeders.	757,823	Apr. 19	3230	701	109	2066
Manderson, John, and R. Coombs, assignors of one-third to W. F. Coombs, Seattle, Wash. Combination cane and stool.	771,165	Sept. 27	3910	825	112	928
Mandrey, Jacob, New York, N. Y. Clothes-line grip.	769,620	Sept. 6	918	199	112	209
Manganese Steel Safe Company. (See Hibbard and Gaston, assignors.)						
Mangelsdorf, Max F., Union, N. J. Fishing device.	765,433	July 19	3071	643	111	700
Manger, George H., Des Moines, Iowa. Loose-leaf book.	777,708	Dec. 20	2629	579	113	2084
Mangham, William O. (See Miller and Mangham.)						
Mangold, John A., Moundsville, W. Va. Combined badge and pencil-holder.	772,046	Oct. 11	1675	374	112	1383
Manhattan Electrical Supply Company. (See Avery, Charles E., assignor.)						
Manhattan Electrical Supply Company. (See Casey, Thomas A., assignor.)						
Manhattan Manufacturing Company. (See Kempshall, Eleazer, assignor.)						
Manhattan Rubber Mfg. Co. (See Kane, John, assignor.)						
Maniachi, Alexander V., Melbourne, Victoria, Australia. Stove for heating irons, &c.	756,083	Mar. 29	5508	1215	109	1270
Manitowoc Mattress Company. (See Meves, Charles W., assignor.)						
Manitowick, Charles, Sullivan, Ind. assignor of one-half to J. C. Chaney and J. R. Edson, Washington, D. C. Device for protecting embankments.	752,637	Feb. 16	3523	783 784	108	1859
Manker, Carey A., Pearl, Ill., assignor to Manker-Heavner Navigation Company, St. Louis, Mo. Navigable vessel.	759,536	May 10	1941	397	110	460
Manker, Carey A., Pearl, Ill., assignor to Manker-Heavner Navigation Company, St. Louis, Mo. Boat.	763,684	June 28	4084	889	110	2387
Manker, Carey A., Pearl, Ill., assignor to Manker-Heavner Navigation Company, St. Louis, Mo. Means for navigation.	764,741	July 12	1732	354	111	394
Manker, Carey A., Pearl, Ill., assignor to Manker-Heavner Navigation Company, St. Louis, Mo. Propelling device.	768,336	Aug. 23	4490	944	111	2090
Manker, Carey A., Pearl, Ill., assignor to Manker-Heavner Navigation Company, St. Louis, Mo. Screw-propeller.	769,621	Sept. 6	920	199	112	209
Manker-Heavner Navigation Company. (See Manker, Carey A., assignor.)						
Mankey, Frederick, Williamsport, Pa. Mirror-support.	753,896	Mar. 8	1361	307	109	314
Manley, Charles M., Washington, D. C., assignor, by mesne assignments, to Cooper-Hampton Electric Company. Rotary pump or motor.	765,434	July 19	3073	643 644	111	701
Manley, James C. (See Bechtol and Manley.)						
Manly, Charles W., New Brighton, Minn. Animal-shears.	769,552	Sept. 6	807	173	112	182
Mann, Albert W., assignor to Rockford Frame & Fixture Company, Rockford, Ill. Mirror-support.	751,526 767,001 774,768	Feb. 9 Aug. 9 Nov. 15	1362 1732 2402	311 376 518	108 111 113	1387 1459 571
Mann, Charles A., Buffalo, N. Y. Door-holder.						
Mann, Charles A., Buffalo, N. Y. Hain.						
Mann, Ephraim D. (See Blum and Mann.)						
Mann, Frank E., et al. (See Welsh, Hamilton E., assignor.)						
Mann, Henry A., Albany, N. Y. Machine for impregnating fabrics with fluid substances.	768,059	Aug. 23	3907	830 821	111	1960
Mann, Henry S., Chicago, Ill. Rail-joint.	769,553	Sept. 6	810	173	112	183
Mann, James H. (See Alexander, Elmer F., assignor.)						
Mann, John H., West Union, W. Va. Machine for making lampblack.	754,471	Mar. 15	2536	553	109	590
Mann, Joseph, Sr., Newcastle, Pa. Valve.	773,661	Nov. 1	242	54	113	58
Mann, O. C. (See Anderson, Eleck, assignor.)						
Mann, Omar A., Oilcenter, Cal. Sucker-rod grab.	776,749	Dec. 6	571	125	113	1552
Mann, Omar A., and W. J. Evans, Oil Center, Cal. Fishing-tool for sucker-rods or the like.	759,454	May 10	1779	360	110	422
Mann, Orin B., Meeteetse, Wyo. Hay rake and stacker.	778,056	Dec. 20	3170	697 698	113	2141
Mann, Orville C. (See Westmark, Hans O., assignor.)						
Mann, Orville C. (See Young, Otis W., assignor.)						
Mann, Peter J., Pittsburg, Pa. Street-car indicator.	767,074	Aug. 9	1934	404	111	1491
Mann, William I., Pittsburg, Pa. Elevating and lowering device for blast-furnace bells.	757,311	Apr. 12	1989	438	109	1784
Mann, John E., and W. M. Esterly, Cleveland, Ohio. Heating apparatus.	771,431	Oct. 4	433	98	112	1049

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Mannerback, William A. (See McDonough, Edward F., assignor.)						
Mannheimer, Harry M., St. Louis, Mo. Fountain-pen	769,554	Sept. 6	814	174	112	184
Manning, Arthur H. (See Bernard, Oscar, assignor.)						
Manning, Bowman & Co. (See Savage and Chapman, assignors.)						
Manning, Samuel D. T., Portsmouth, Vt. Window-screen	771,081	Sept. 27	3739	788	112	880
Manning, Bowman & Company. (See Chapman and Kooman, assignors.)	769,096	Aug. 30	6068	1269	111	242
Manning, Bowman & Company. (See Savage and Loeffler, assignors.)	771,736	Oct. 4	997	223	112	1172
Mannara, Edward. (See Custead, William D., assignor.)						
Mansell, Ford A., Toronto, Canada. Spring-roller for screens, curtains, or awnings	762,330	June 14	1385	399	110	1760
Mansfield, Albert K., Salem, Ohio. Valve for blowing-engines and air-compressors	756,868	Apr. 12	1301	390	109	1636
Mansfield, Albert K., Salem, Ohio. Valve	756,869	Apr. 12	1303	221	109	1637
Mansfield, Albert K., Salem, Ohio, and S. G. Guy, Batavia, Ill. Railway water-column	763,063	June 21	2871	621	110	2102
Mansfield, Albert K., Salem, Ohio, and S. M. Felton, Chicago, Ill. Truck for railway-cars	760,134	May 17	3111	650	110	735
Mansfield, George L., Chicago, Ill. Combined switch lamp and target	755,785	Mar. 29	5027	1117	109	1162
Mansfield, George L., Chicago, Ill. Combined dealer and retailer	758,994	May 3	815	165	110	188
Mansfield, George L., Chicago, Ill. Switching mechanism. (Reissue)	12,216	May 3	1289	259	110	293
Mansfield, George L., Chicago, Ill. High- semaphore switch-stand	768,060	Aug. 23	3910	821	111	1961
Mansfield, Isaac. (See Jones and Mansfield.)						
Mansfield, Stepan B., Colorado Springs, Col. Barrel-truck	770,436	Sept. 20	2466	523	112	590
Mason, Ray H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone-receiver	769,658	Sept. 6	980	213	112	223
Manss, John A., assignor to Urit Company, Cincinnati, Ohio. Shoe	752,172	Feb. 16	2503	577	108	1652
Manss, John A., assignor to Urit Company, Cincinnati, Ohio. Shoe	752,173	Feb. 16	2504	577	108	1652
Mantell, Louis, London, England. Cold-air chamber or refrigerator	754,328	Mar. 8	2173	482	109	491
Mantine, Cleas F. (See Thomes, Frank E., assignor.)						
Manula, Erik, and J. Carlson, Astoria, Ore. Fish-cleaning machine	753,722	Mar. 1	977	221	109	211
Manwaring, George A., Bayonne, N. J., assignor to American Graphophone Company, Bridgeport, Conn. Duplicating sound-records	774,192	Nov. 8	1286	273	113	308
Manwaring, Leverett A., Leonard Bridge, assignor of one-half to W. L. L. Spencer, Lebanon, Conn. Thill-coupling	773,082	Oct. 25	3835	819	112	1848
Many, Frank B. (See Warner, Charles F., assignor.)						
Manzel Brothers. (See Manzel, Charles W., assignor.)						
Manzel, Charles W., assignor to Manzel Brothers, Buffalo, N. Y. Hand-pump	777,969	Dec. 20	3000	657	113	2107
Mapes, Clarence T., Crafton, Pa. Trip casing-spear	769,097	Aug. 30	6069	1269	111	242
Maples, Cassius, Laurens, N. Y. Neck-yoke	755,512	Mar. 22	4462	991	109	1021
Maples, Richard A., Clinton, Iowa. Reversing-gear	751,665	Feb. 9	1624	368	108	1422
Mapother, Dillon E., Louisville, Ky. Clip	758,547	Apr. 26	4662	1004	109	2401
Maranville, Harvey F., Akron, Ohio. Can-closure	751,518	Feb. 2	1020	232	108	1275
Marburg, Louis C., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device for dynamo-electric machines	773,880	Nov. 1	997	145	113	160
March, Charles. (See Lemon, Elmer E., assignor.)						
March, Henry, London, England, assignor to H. S. Geary, New York, N. Y. Wheel	772,663	Oct. 18	2915	640	112	1625
March, Jerry. (See Norton and March.)						
March, Thomas J., Pottstown, Pa. Furnace attachment	760,542	May 24	3884	824	110	925
March, Thomas J., Pottstown, Pa. Furnace-casing	764,872	July 12	1973	407	111	448
Marchand, Frank D., Cambridge, Mass. Shutter-worker	754,662	Mar. 15	2906	635	109	667
Marcher, Frank A., Los Angeles, Cal. Lapidist's facet-cutting instrument	753,992	Mar. 8	1546	345	109	357
Marchesseault, Joseph R., Meriden, Conn. Railway signaling device	750,991	Feb. 2	387	93	108	1143
Marchéville, Marcel de, Paris, France. Centrifugal machine	749,623	Jan. 12	2179	457	108	508
Marcell, Louis N., Cohoes, N. Y. Necktie-retainer	769,737	Sept. 13	1179	255	112	284
Marconi, Guglielmo, assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Wireless-telegraph system	757,559	Apr. 19	2704	501	109	1950
Marconi, Guglielmo, assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Apparatus for wireless telegraphy	768,772	June 28	4251	926	110	2423
Marconi, Guglielmo, London, England, assignor to Marconi's Wireless Telegraph Company, Limited. Wireless signaling system	760,463	May 24	3731	790	110	890
Marconi's Wireless Telegraph Company. (See Fleming, John A., assignor.)						
Marconi's Wireless Telegraph Company. (See Marconi, Guglielmo, assignor.)						
Marcotte, Emanuel, et al. (See Lamoureux, Edmond, assignor.)						
Maroux, Alida M., assignor to Draper Company, Hopedale, Mass. Take-up stop-motion for looms	762,426	June 14	1578	345	110	1801
Maroux, Alida M., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom	766,151	July 26	4511	965	111	1020
Marcus, Hermann, Cologne, Germany. Apparatus for conveying materials	757,477	Apr. 19	2534	556	109	1918
Marcus, John, et al. (See Schwartzman, Jacob, assignor.)						
Marcus Mason & Company. (See Gordon, Douglas, assignor.)						
Marcus, Morris, et al. (See Schwartzman, Jacob, assignor.)						
Marcy, Frank E. (See Repath and Marcy.)						
Mardorf, Chris G., Cheswick, Pa. Automatic railway signaling apparatus	774,443	Nov. 8	1733	373	113	404
Marek, John A., Lewiston, Idaho. Fluid-motor	752,240	Feb. 16	2730	605	108	1556
Marescaux, Alfred E. H. (See Howard and Marescaux.)						
Margerson, Joseph H., Philadelphia, Pa. Loom for weaving terry fabrics	770,689	Sept. 20	2956	628	112	701
Margeson, Andrew A., and J. B. Schmitt, Cincinnati, Ohio. Oil-burner	769,004	Aug. 30	5888	1235	111	2423
Margetts, Frederick W., East Dulwich, England. Stopping bottles, jars, or like vessels	765,745	July 26	3709	791	111	848
Margetts, William H., Toronto, Canada. Lamp-burner and chimney therefor	766,109	July 26	4199	946	111	1000
Marier, Gustave A., assignor to S. Davis & Sons, Montreal, Canada. Machine for the treatment of tobacco-leaves	758,765	May 3	371	75, 76	110	90
Marine Construction Co. (See Murray, John D., assignor.)						
Marine Torch Company of Baltimore City. (See Rose, William H., assignor.)						
Maringer, George J., East Pittsburg, Pa. Railway-rail connection	768,061	Aug. 23	3915	821	111	1962
Mariolle, Auguste, New York, N. Y. Automatic revolving advertising and showing machine	770,764	Sept. 27	3006	656	112	748

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Marion Motor Car Company. (See Hassler, Robert H., assignor.)						
Marion Steam Shovel Company. (See King, George W., assignor.)						
Marion Steam Shovel Company. (See King, Barnhart, and King, assignors.)						
Marks, James F., and A. F. Perry, London, England, assignors, by mesne assignments, to Palma Manufacturing Company. Lace-holder	769,555	Sept. 6	814	174	112	184
Markfield, Dorothea, Homestead, N. J. Artificial fuel	766,834	Aug. 9	1475		111	1389
Markillie, George H., Perth, Kans. Vehicle-wrench	752,910	Feb. 23	4043	905	108	1991
Markillie, George H., and J. L. Crisler, Perth, Kans. Brake	773,668	Nov. 1	243	54	113	58
Markle, John R. (See McCanna and Markle.)						
Markli, James A., Huntington, W. Va. Railway-tie	770,690	Sept. 20	3960	639	112	702
Markoff, Aaron, Derby, Conn. Attachment for fire-boxes of stoves	772,727	Oct. 18	3053	628	112	1656
Markovits, Emmerich, assignor of one-half to G. von Skäl, New York, N. Y. Copying-pencil	753,087	Feb. 23	4414	981	108	2075
Marks, Arthur H., Akron, Ohio. Rubber-tired wheel	759,455	May 10	1780	360	110	423
Marks, Arthur H., Akron, Ohio. Rubber tire	759,456	May 10	1781	360	110	423
Marks, Arthur H., Akron, Ohio. Wheel-tire	777,392	Dec. 13	1619	358	113	1801
Marks, Arthur H., Akron, Ohio. Vehicle-tire	777,393	Dec. 13	1619	359	113	1801
Marks, Arthur H., Akron, Ohio. Vehicle-tire	777,394	Dec. 13	1620	359	113	1801
Marks, Arthur H., Akron, Ohio. Pneumatic tire or other flexible tubular article	778,405	Dec. 27	4019	883	113	2348
Marks, Arthur H., Akron, Ohio. Pneumatic tire or other flexible tubular article	778,496	Dec. 27	4050	883	113	2348
Marks, Arthur H., Akron, Ohio. Pneumatic tire or other flexible tubular article	778,497	Dec. 27	4051	883	113	2349
Marks, Arthur H., assignor to Diamond Rubber Company, Akron, Ohio. Double-tube pneumatic tire	765,670	July 26	3553	751	111	818
Marks, Arthur H., and W. M. Metzler, assignors to Diamond Rubber Company, Akron, Ohio. Wheel-tire	766,637	Aug. 2	1017	813	111	1267
Marks, Clara L., Stamford, Conn. Collapsible umbrella	749,310	Jan. 12	1561	390	108	376
Marks, Harry J., and C. F. Davenport, New York, N. Y., assignors to Empire State Engineering Company. Steam-boiler	778,498	Dec. 27	4052	883	113	2349
Marks, Melbourne A., Jr., Brookline, Mass. Electric-railway switch	756,870	Apr. 12	1304	291 292	109	1637
Marks, Robert H., et al. (See MacKenzie, George W., assignor.)						
Marks, William D., Westport, N. Y. Electric signal	762,331	June 14	1388	299 300 301	110	1761
Marks, William F., Nowrytown, Pa. Wrench	764,248	July 5	685	139	111	152
Markwick, Fredrick, Scranton, Pa. Drill-sharpener	771,737	Oct. 4	999	924	112	1173
Marlett, Harry E., Allegheny, Pa. Rotary engine	760,464	May 24	3733	790	110	891
Marlett, Harry E., Allegheny, Pa. Cuspidor	770,530	Sept. 20	2656	562	112	633
Marlette, Ellen, et al. (See Marlette, Silas T., assignor.)						
Marlette, Silas T., assignor to E. Marlette and E. B. Smith, Buffalo, N. Y. Hame-fastener	766,051	July 26	4295	920	111	974
Marlin Firearms Company. (See Hepburn, Lewis L., assignor.)						
Marlin Firearms Company. (See Hepburn, Melvin, assignor.)						
Marling, Frank P., St. Louis, Mo. Rail-brace	773,760	Nov. 1	432	95	113	102
Marlitt, Charles A., Portland, Oreg. Rotary explosive-motor	763,773	June 28	4257	926 927	110	2425
Marmion, John G., San Antonio, Tex. Bottle	773,667	Dec. 27	4306	961	113	2425
Marold, Emil, Berlin, Germany. Adjusting or packing ring	771,258	Oct. 4	76	17	112	978
Marold, Oscar S., Saguache, Colo. Snap-hook	751,090	Feb. 2	565	131	108	1182
Maroney, Daniel M., et al. (See Howe, John C., assignor.)						
Marpert, Richard, Coburg, Germany. Watch-guard	771,991	Oct. 11	1533	348	112	1305
Marple, George L., assignor of one-half to H. E. Christrup, St. Louis, Mo. Bed	737,327	Apr. 12	2229	438	109	1833
Marple, Samuel L., Clairton, Pa. Steam-boiler	748,765	Jan. 5	393	89	108	87
Marr, Alexander, Manchester, England. Apparatus for dividing, severing, and similarly treating cloth	751,527	Feb. 9	1363	311	108	1367
Marr, George H., Waterville, Me. Diaphragm-screen-operating mechanism	760,891	May 24	4592	979	110	1077
Marr, Walter L., Detroit, Mich. Steering-gear for automobiles	756,670	Apr. 5	911	199	109	1538
Marr, Walter L., Detroit, Mich. Change-speed gear	765,498	July 19	3216	673	111	731
Marrett, William J., Leeds, Md. Folding table	749,571	Jan. 12	2095	435 436	108	491
Marriott, James C., New York, N. Y. System of snow disposal	752,911	Feb. 23	4044	905	108	1991
Marriott, James H. W., Ruxton, Md. Type-writing machine	759,816	May 10	2482	520 521	110	576
Marriott, James H. W., Washington, D. C. Type-writer line-spacing mechanism	759,817	May 10	2493	521	110	579
Marriott, James H. W., Washington, D. C. Type-writer platen	759,818	May 10	2495	521	110	579
Marriott, James H. W., Washington, D. C. Type-writer-platen support	759,819	May 10	2497	522	110	580
Marriott, James H. W., Washington, D. C. Supporting-table and attachment for type-writers	759,820	May 10	2499	523	110	580
Marrow, Isidor L., New York, N. Y. Garment	770,596	Sept. 20	2773	588	112	659
Marrs, David J., Denver, Mo. Kilm	749,308	Jan. 12	1345	269	108	390
Marrs, John J., Harrison, Ark. Miter-box	760,862	May 24	4594	980	110	1078
Mars, William T., and T. J. Wolf, De Queen, Ark. Agricultural boiler	768,920	June 21	2611	566	110	2014
Marshall, Adolf J., Littlefalls, N. Y. Exciting compound for batteries	750,871	Feb. 2	169		108	1094
Marsden Company. (See Hendrickson, Joseph G., assignor.)						
Marsden, John A., assignor to A. R. Paul, Lyon Falls, and A. Tromblee, Carthage, N. Y. Apparatus for burning sulfur	749,311	Jan. 12	1562	331	108	376
Marsden, Mark W., Philadelphia, Pa. Cement derived from ashes and making same	763,655	June 23	4086		110	2387
Marsh, Albert M., Homestead, assignor of one-half to T. W. Rowlands, West Homestead, Pa. Rope-clamp	762,075	June 7	892	184	110	1631
Marsh, Augustus L. C., Plainfield, N. J. Adjustable protective frame	758,372	Apr. 26	4325	929	109	2325
Marsh, Burrell H. (See Marsh, Cyrus, assignor.)						
Marsh, Calvin D., assignor to Hermance Machine Company, Williamsport, Pa. Chip-breaker for woodworking-machines	749,072	Jan. 5	1051	222	108	242
Marsh, Calvin D., assignor to Hermance Machine Company, Williamsport, Pa. Molding-machine	750,552	Jan. 26	3983	861	108	931
Marsh, Charles W. E. (See Laybourne, Marsh, and Price.)						
Marsh, Cyrus, Ashland, Va., assignor of one-half to B. H. Marsh, Winston, N. C. Plant-protector	778,688	Dec. 27	4397	961	113	2425
Marsh, Edward O. (See Campbell, Henry, assignor.)						
Marsh, Edwin T., Rochester, N. Y. Fire-escape	756,512	Apr. 5	630	130 137	109	1475
Marsh, Elton A., Detroit, Mich. Flush-valve	758,012	Apr. 19	3590	778	109	2145
Marsh, Ernest A., Chicago, Ill. Time-lock	768,556	Sept. 6	816	174	112	185
Marsh, Frank E. (See Foss and Marsh.)						
Marsh, Frank E., assignor to Fountain City Drill Company, La Crosse, Wis. Grain-drill	776,527	Dec. 6	119	27	113	1452

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Marsh, Frank H., Newark, and C. W. Nichols, Rahway, N. J. Means for cooling cylinders of explosive-engines	758,373	Apr. 26	4327	929	109	2325
Marsh, George A., Sandusky, Ohio. Glass-molding apparatus	773,757	Dec. 27	4573	1001	113	2464
Marsh, Harry, assignor to Hupena Filter Company, Detroit, Mich. Filter	768,014	Aug. 16	3880	798	111	1921
Marsh, Harry W., Findlay, Ohio. Pulley	771,573	Oct. 11	1319	297	112	1255
Marsh, Henry. (See Neild and Marsh.)						
Marsh, Howard E., assignor, by mesne assignments, to Jarvis Simmons & Company, Incorporated, New York, N. Y. Ore-concentrator	766,718	Aug. 2	1191	250	111	1805
Marsh, Joseph G., Manchester, N. H. Finger-pad	760,339	May 17	3432	735	110	819
Marsh, Joseph J., Decorah, Iowa. Post-office furniture	764,326	July 5	782	160	111	173
Marsh, Seymour N., New York, N. Y. Combination garment-hanger	776,861	Dec. 6	806	174	113	1604
Marsh, Wilbur W. (See Hackett, Charles H., assignor.)						
Marsh, Wilbur W. (See Morgan, Thomas W., assignor.)						
Marsh, William H., San Antonio, Tex. Acetylene-gas torch	754,472	Mar. 15	2538	554	109	591
Marshall, Charles S., assignor to H. T. Marshall Machine Company, Brockton, Mass. Folding-machine for shoe-uppers, &c.	750,872	Feb. 2	170	41	108	1095
Marshall, Charles W. (See Arnold, James A. G., assignor.)						
Marshall, David H., Kansas City, Mo. Annunciator	758,995	May 3	817	165	110	188
Marshall, E. S. (See Shallenberger, Charles S., assignor.)						
Marshall, Edmund B., Rome, Ga. Holder for dental bite-takers	757,133	Apr. 12	1846	408	109	1752
Marshall, Edward S. (See Herndon, Joseph R., assignor.)						
Marshall, Edward S. (See McCullough, Paul J., assignor.)						
Marshall, Edward S. (See Steinbrenner, Andrew G., assignor.)						
Marshall, Gilbert A., et al. (See Mitchell, James C., assignor.)						
Marshall, Henry C., et al. (See Conde, Joseph, assignor.)						
Marshall, Holmes, New York, N. Y. Automatic attachment for adding-machines	748,766	Jan. 5	393	90	108	88
Marshall, Holmes, New York, N. Y. Attachment for type-writers	749,312	Jan. 12	1563	331	108	376
Marshall, Hugh, Edinburgh, Scotland. Apparatus for carbureting air	774,485	Nov. 8	1819	398	113	423
Marshall, Hugh, Edinburgh, Scotland. Carbureter	774,486	Nov. 8	1822	395	113	423
Marshall, Hugh, and J. Maton, Edinburgh, Scotland. Carbureting-lamp	762,734	June 14	2324	483	110	1938
Marshall, James, Fall River, Mass. Automatic dyeing apparatus	757,478	Apr. 19	2537	557	109	1913
Marshall, John B., Fresno, Cal. Fruit-picker	773,293	Oct. 25	4347	918	112	1906
Marshall, John W., Chloride, N. Mex. Ter. Support for cooking utensils	754,382	Mar. 15	2753	600	109	635
Marshall, Norman, Newton, Mass. Insulating sleeve and making same	750,873	Feb. 2	179	42	108	1096
Marshall, Norman, Newton, Mass. Socket for incandescent lamps	765,625	July 19	3441	726	111	779
Marshall, Norman, Newton, assignor to Marshall Sanders Company, Boston, Mass. Electric switch	754,378	Mar. 8	2317	506	109	523
Marshall, Norman, Newton, assignor to Marshall Sanders Company, Boston, Mass. Electric switch	754,379	Mar. 8	2320	506	109	524
Marshall, Norman, Newton, assignor to Marshall Sanders Company, Boston, Mass. Electric switch	754,380	Mar. 8	2321	507	109	524
Marshall, Norman, Newton, assignor to Marshall Sanders Company, Boston, Mass. Electric snap-switch	768,474	Aug. 23	4786	1002	111	2161
Marshall, Peter, Liverpool, England. Boiler-feed mechanism	777,119	Dec. 13	1813	289	113	1735
Marshall, Samuel W., Dallas, Tex. Fountain blacking-brush	748,767	Jan. 5	396	90	108	88
Marshall Sanders Company. (See Marshall, Norman, assignor.)						
Marshall, Thomas C., Akron, Ohio. Rubber sponge-cup	770,914	Sept. 27	3403	717	112	816
Marshall, Warren, Lyndon, Kans. Molded-back	773,955	Nov. 1	849	178	113	195
Marshall, William, et al. (See Scott, James R., assignor.)						
Marshall, William A., Washburn, Wis. Apparatus for handling lumber or laths	750,775	Jan. 26	4438	935	108	1032
Marshall, William M., et al. (See Lane, John F., assignor.)						
Marshman, Newman R., New York, N. Y. Manual coal-carrying vessel or bag	749,209	Jan. 12	1347	289	108	330
Marshutz, Siegfried G., Los Angeles, Cal. Spectacles	756,571	Apr. 12	1307	302	109	1638
Marson, Michel, Chicago, Ill. Horseshoe-pad	760,796	May 24	4427	942	110	1041
Marsteller, Steller A. (See Patton and Marsteller.)						
Marston, Frank A. (See Green, Archibald M., assignor.)						
Martell, Albert A., Pittsburg, and L. H. Martell, Ellwood City, Pa. Frame for automobiles	761,690	June 7	137	24, 25	110	1468
Martell, Herbert C., Circleville, Ohio. Vehicle-boot	765,626	July 19	3442	726	111	779
Martell, Herbert C., Circleville, Ohio. Vehicle-boot	765,627	July 19	3443	726	111	779
Martell, Louis H. (See Martell, Albert A. and L. H.)						
Marten, Albert S., East Orange, N. J. Folding stand	774,487	Nov. 8	1822	395	113	424
Martens, Abraham, New York, N. Y. Clamp	764,742	July 12	1736	354	111	395
Martens, William J., Schleswig, Iowa. Suspenders	763,984	July 19	1927	541	111	535
Martin, Gilbert, Mansfield, Ohio. Axle box and spindle	750,292	Jan. 26	3475	732	108	823
Martiensen, Ferdinand, Berlin, Germany. Musical instrument	778,545	Dec. 27	4126	899	113	2366
Martin, A. Vere, et al. (See Duffy, Thomas I., assignor.)						
Martin, Albert R. (See Swartz, Albert L., assignor.)						
Martin, Albert R. (See Swartz and Martin.)						
Martin, Albert S. (See Jones, Walter J., assignor.)						
Martin, Alfred, Rockford, Ill. Cut-off	758,265	Apr. 26	4099	887	109	2275
Martin, Anson V. (See Crossman and Martin.)						
Martin, Anthony S., assignor of one-half to J. W. Blackwelder, Maiden, N. C. Combined ticket stamp and punch	756,387	Apr. 5	398	81	109	1428
Martin, Bernard F., assignor to Martin Packing Case Company, Rochester, N. Y. Packing-case for bottles	749,741	Jan. 19	2441	519	108	581
Martin, Bernard S. D. S., McPherson, Kans. Storm-curtain for vehicles	754,930	Mar. 15	3407	745	109	779
Martin, Bernard S. D. S., McPherson, Kans. Side curtain for buggies	772,525	Oct. 18	2659	584	112	1571
Martin, Charles. (See Vogelsing, August A., assignor.)						
Martin, Charles, Nottingham, England. Manufacture of insulated or covered wires and machine therefor	762,735	June 14	2226	483	110	1938
Martin, Chester T. (See Wolfe, Martin, and Handlin.)						
Martin, David W., assignor of one-half to E. Hopfel, Portage, Pa. Nut-lock	770,077	Sept. 27	3527	743	112	846
Martin, Edward G., assignor of two-thirds to J. S. Miller, Tyler, Tex., and W. N. Hart, Shawnee, Okla. Ter. Spring-support for vehicle-tops	761,239	May 31	5319	1129	110	1251
Martin, Edward G., and J. S. Miller, Tyler, Tex. Vehicle-top rest	777,527	Dec. 13	2073	457	113	1899
Martin Ekenbergs Aktiebolag. (See Ekenberg, Martin, assignor.)						
Martin, Fay H., Hydepark, assignor to Textile Machinery Company, Boston, Mass. Filer	760,227	May 17	3290	691	110	775
Martin, Frank, Camden, Me. assignor to Economic-Sanitary Company, New York, N. Y. Sewage-purifying apparatus	760,543	May 24	3885	825	110	926
Martin, Frank A., Chicago, Ill. Disinfecting device	752,695	Feb. 23	3636	810	108	1901
Martin, Frank A., assignor to B. Heller & Company, Chicago, Ill. Door closer and check for operating disinfecting devices	768,133	Aug. 23	4107	863	111	2006

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Martin, Frederick S., Pittsburg, Pa. assignor to R. D. Nuttall Company. Trolley-base.	757,824	Apr. 19	3231	701	109	2066
Martin, Garland E. (See Eble and Martin.)						
Martin, George L., New York, N. Y. Electric fixture	771,259	Oct. 4	76	17	112	978
Martin, George W., Paris, Tex. Cheese-cutter	769,827	Sept. 13	1819	281 282	112	318
Martin, Hardsoor Manufacturing Company. (See Koontz, Louis K., assignor.)						
Martin, Harry T. (See Green and Martin.)						
Martin, Henry K., Chicopee, Mass. Pile-wire motion for looms.	749,443	Jan. 12	1945	384	108	434
Martin, Herman W., Ilion, N. Y. Multiple motor.	756,513	Apr. 5	632	137	109	1475
Martin, Herman W., Ilion, N. Y. Automatic fire-extinguisher.	764,743	July 12	1737	355	111	395
Martin, Horace E., Athens, Ga. King-bolt.	771,379	Oct. 4	815	70	112	1028
Martin, Horace E., Athens, Ga. Wagon-standard.	771,380	Oct. 4	815	70	112	1028
Martin, Horace G., Brooklyn, N. Y. Telegraphic transmitter.	767,303	Aug. 9	2376	497	111	1585
Martin, James A. (See Latta and Martin.)						
Martin, James B., assignor of one-third to L. A. Martin, Westbend, Iowa. Printer's quoin	772,526	Oct. 18	2661	584	112	1571
Martin, James F., assignor to J. B. Hall, Philadelphia, Pa. Hair-crimper	758,416	Mar. 1	374	88	109	82
Martin, James F., assignor to J. B. Hall, Philadelphia, Pa. Bending-machine.	758,801	Mar. 1	1162	262	109	249
Martin, James F., Philadelphia, Pa. assignor, by mesne assignments, to Magic Curier Company. Machine for treating strips of horn or other material.	771,082	Sept. 27	3740	788	112	890
Martin, James M., assignor of one-half to W. H. Gripe, Guthrie, Okla. Ter. Drill.	753,503	Mar. 1	535	122	109	115
Martin, James W., assignor to International Manufacturing Company, Omaha, Nebr.	767,760	Aug. 16	3254	684	111	1799
Martin, Jean, assignor to J. H. E. Crespi, Grasse, France. Means for attaching stirrups-leathers to riding-saddles.	751,865	Feb. 9	2017	457	108	1507
Martin, Jean A., Bordeaux-Bastide, France. Lamp or stove for lighting or heating purposes	778,137	Dec. 20	3327	730	113	2176
Martin, John A., Chester, W. Va. Horseshoe	754,789	Mar. 15	3158	687	109	724
Martin, John F., Marshall, Mich. Core for plastic posts.	771,432	Oct. 4	434	98	112	1049
Martin, John F., Marshall, Mich. Mold for cement posts.	771,433	Oct. 4	435	99	112	1049
Martin, John P., Ogden, Utah. Ventilator for hats, &c.	765,490	July 19	3218	673	111	732
Martin, John S., Baughman township, Wayne county, Ohio. Wire fence	758,766	May 3	381	76	110	94
Martin, John T., Muscatine, Iowa. Envelop	768,670	Aug. 30	5220	1096	111	2272
Martin, Joseph E. (See Lewis and Martin.)						
Martin, Joseph H., assignor to Roanoke Mathometer Company, Roanoke, Va. Adding or subtracting machine	758,013	Apr. 19	3591	778 779	109	2146
Martin, Joseph H., assignor of one-half to D. Ormand, Riverside, Cal. Irrigating apparatus	778,323	Dec. 27	3687	805	113	2270
Martin, Joseph I., assignor to G. Beatty, Columbus, Ohio. Glass-gathering machine	771,315	Oct. 4	162	40	112	1000
Martin, Joseph I., and E. L. Wilson, Dalton, Ky. Fence-post.	761,085	May 81	5025	1065	110	1187
Martin, Karl, assignor to Rathenower Optische Industrie-Anstalt, vormals Emil Busch, A.-G., Rathenow, Germany. Photographic objective.	759,537	May 10	1942	398	110	460
Martin, Lewis A. (See Martin, James B., assignor.)						
Martin, Lewis C., Loudon, assignor of one-half to G. M. Burdett, Lenoir City, Tenn. Invalid bed and lifter	772,948	Oct. 25	3490	737	112	1769
Martin, Louis H., New York, N. Y., assignor to Globe Amusement Company. Moving spiral cyclorama	772,570	Oct. 18	2744	604	112	1590
Martin, Louis L., Toronto, Canada. Apparatus for vending perfume	778,257	Dec. 27	3554	779	113	2243
Martin, Louis M. (See Caldwell and Martin.)						
Martin, Louis M., et al. (See Hartell, Frederick G., assignor.)						
Martin, Morris, Malden, assignor of one-half to T. J. Drummond, Boston, Mass. Protecting apparatus.	760,797	May 24	4428	942	110	1041
Martin, Osmond S., Gore of Chatham township, Ontario, Canada. Apparatus for topping beets	778,830	Dec. 27	4673	1023	113	2486
Martin Packing Case Company. (See Martin, Bernard F., assignor.)						
Martin, Robert O. (See Baxter and Martin.)						
Martin, Samuel D., Woodlawn, Ohio. Combined convertible cot and pack-bag	751,190	Feb. 2	758	173	108	1219
Martin, Samuel D., Woodlawn, Ohio. Fishing-tackle	766,638	Aug. 2	1018	213	111	1267
Martin, Samuel H., Rowlett, Tex. Shoe-fastener	772,947	Oct. 25	3489	757	112	1769
Martin, Samuel M., Heatherdale, Canada. Hay-tedder attachment for mowing-machines	767,075	Aug. 9	1935	404	111	1491
Martin, Samuel M., Sidney, Ohio. Horseshoeing-stand	772,163	Oct. 11	1919	423 426 428 429	112	1384
Martin, Sidney B., and D. C. Trott, Pittsburg, Pa. Chain-making machine	773,212	Oct. 25	4194	886 888	112	1932
Martin, Thomas H., trustee. (See Heffrin, Harry, assignor.)						
Martin, Thomas H., New York, N. Y. Ash-sifter	751,744	Feb. 9	1776	404	108	1453
Martin, Timothy S., Butte, Mont. Adjustable step for book-shelves	763,299	June 21	3323	719	110	2201
Martin, Vinton, Turtlecreek, Pa. Valve	773,578	Nov. 1	90	18	113	26
Martin, W. B. (See Martin, Ward B., assignor.)						
Martin, Ward B., Geneva, Ohio, assignor, by mesne assignments, to W. B. Martin. Measuring device	755,002	Mar. 29	5248	1161	109	1215
Martin, Wesley N., Hickory, N. C. Plow-display stand	774,683	Nov. 8	2188	478	113	501
Martin, Whitley E., assignor of one-fifth to G. M. Davis, Winston-Salem, N. C. Machine for printing tobacco-tags	766,152	July 26	4514	965	111	1021
Martin, Whitley E., Winston-Salem, N. C., assignor, by mesne assignments, of one-half to F. P. Morrill, New Orleans, La. Machine for making railway cross-ties.	778,358	Dec. 27	3556	780 781	113	2244
Martin, William F., New York, N. Y. Door or window lock	770,597	Sept. 20	2774	588	112	659
Martin, William H., Nevada City, and A. McCombie, Grass Valley, Cal. Battery stem-guide	752,349	Feb. 16	2947	656	108	1734
Martin, William L., Middletown, assignor to Silver City Plate Company, Meriden, Conn.	755,786	Mar. 29	5029	1117	109	1163
Martin, William W., Salem, Oreg. Dioptrical chart	754,663	Mar. 15	2908	635	109	687
Martindale, Warren B., Rochester, Ind. Corn husking and shredding machine	759,725	May 10	2297	477	110	536
Martindell, Albert, Trenton, N. J. Coin-operated amusement device.	770,299	Sept. 20	2236	466	112	539
Martinetto, Victor, assignor of one-half to H. L. Barth, Chicago, Ill. Steering mechanism for vehicles	777,799	Dec. 20	2631	580	113	2034
Martinez, Joseph D., Whitecastle, La. Cane-loader	749,073	Jan. 5	1052	222 223	108	242
Martini, Hermann, Riga, Russia. Stopping device for preserve-jars or the like.	749,074	Jan. 5	1056	223	108	244
Martinson, Ada E. (See Sanguinetti, Percy A., assignor.)						
Martinson, O. (See Montgomery, James F., assignor.)						
Marty, Joseph M., Schwyz-Seewen, Switzerland. Nail-drawer	760,328	May 17	3293	691	110	775
Marvin, Jesse B., Frankfort, Ind. Hose-mender	763,191	June 21	3129	672	110	2160

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Marx, Georg, Jr., assignor to Vereinigte Maschinenfabrik Augsburg und Maschinenbaugesellschaft Nürnberg A.-G., Nuremberg, Germany. Speed-regulator for explosive-engines.....	777,295	Dec. 13	1621	359	113	1802
Marx, Julius A. (See Goughenour and Marx.)						
Marx, Oscar B., et al. (See Osborn, Francis C., assignor.)						
Marxmiller, Christopher, Shelbyville, Ill. Metal-cutting shears.....	761,314	May 31	5471	1162	110	1283
Mary, Louis, Fegersheim, Germany. Pottery-molding machine.....	774,918	Nov. 15	3714	582 583	113	641
Maschinenbau-Aktion-Gesellschaft Union. (See Kaufhold and Hoffmann, assignors.)						
Maschinenfabrik Aktien-Gesellschaft, vorm. Wagner & Co. (See Mehrert and Pape, assignors.)						
Maschinenfabrik Oerlikon. (See Huber and Behn-Eschenburg, assignors.)						
Maschmeyer, Herman A. (See Deuster and Maschmeyer.)						
Mascord, George W., London, England, assignor to R. Hoe, New York, N. Y. Reel-carrying apparatus for web-printing presses or other machines.....	769,659	Sept. 6	984	213	112	224
Mascord, George W., London, England, assignor to R. Hoe, New York, N. Y. Reel-carrying apparatus for web-printing presses or other machines.....	769,660	Sept. 6	986	213	112	225
Masik, Emil, Vienna, Austria-Hungary. Device for preventing the creeping or wandering of the rails of railways.....	754,881	Mar. 15	3325	725	109	761
Maskrey, Arthur J., Martins Ferry, Ohio. Rolling metal plates.....	751,801	Feb. 9	1882	428	108	1476
Maskrey, Arthur J., Martins Ferry, Ohio. Automatic catcher.....	763,192	June 21	3131	672 673	110	2160
Mason, Arthur J. (See Hoover and Mason.)						
Mason, Benjamin A., Brooklyn, N. Y. Duplex stencil-printing machine.....	776,338	Nov. 29	5637	1194 1195	113	1339
Mason, Charles H., U. S. Army. Combined garment, shelter-tent, and blanket-roll covering.....	766,719	Aug. 2	1193	320 321	111	1306
Mason, Charles T., Sumter, S. C. Lightning-arrester.....	767,002	Aug. 9	1794	376	111	1459
Mason, Charles T., Sumter, S. C. Telephone hook-switch.....	767,584	Aug. 26	2041	616	111	1720
Mason, Clyde S., Buffalo, N. Y. Coke-oven-door hoist.....	757,134	Apr. 12	1848	404	109	1753
Mason, Francis C., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Display-stand.....	749,493	Jan. 12	1960	407	108	459
Mason, Francis C., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Display-stand.....	749,494	Jan. 12	1961	407	108	459
Mason, Francis C., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Antifriction journal-bearing.....	766,639	Aug. 2	1019	214	111	1267
Mason, Frederick, Attleboro, Mass., assignor to Mason, Howard & Co. Automatically-adjustable bracelet or belt. (Reissue.)	12,294	Dec. 13	2352	517	113	1958
Mason, Harry R., Chicago, Ill., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Load-brake apparatus.....	749,075	Jan. 5	1058	224	108	244
Mason, Harry R., Chicago, Ill., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Valve mechanism.....	757,479	Apr. 19	2538	557 558	109	1913
Mason, Harry R., Chicago, Ill., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake.....	760,465	May 24	3736	791	110	891
Mason, Henry M., Gravesend, N. Y. Racing-saddle.....	767,003	Aug. 9	1795	377	111	1459
Mason, Henry T., Chicago, Ill. Stopper for boiler-tubes.....	760,340	May 17	3493	735	110	819
Mason, Herbert C., Providence, R. I., assignor to Hood Rubber Company, Boston, Mass. Rubber boot or shoe.....	777,683	Dec. 20	2397	527	113	1984
Mason, Howard & Co. (See Mason, Frederick, assignor.) (Reissue.)						
Mason, Isaac, New York, N. Y. Cabinet.....	750,673	Jan. 26	4192	909	108	976
Mason, Isaac, New York, N. Y. Combined sign and bird-house.....	753,599	Mar. 1	735	164	109	160
Mason, John B., Chicago, Ill. Toy gun.....	754,383	Mar. 15	2755	600	109	635
Mason, John B., assignor to Chicago Toy Novelty Company, Chicago, Ill. Toy gun.....	753,374	Apr. 23	4328	929	109	2325
Mason, John S., assignor of one-half to J. S. Trew, Santa Ana, Cal. Saw-setting machine.....	764,858	July 12	1974	407	111	438
Mason, John W., and G. O. Whitney, Brainard, Minn. Locomotive water-glass shield.....	763,300	June 21	3325	719 720	110	2201
Mason, Julius H., Duncan Falls, assignor of one-half to S. M. Garrett, Philo, Ohio. Sectional coal-auger nut.....	771,827	Oct. 11	1201	268	112	1231
Mason Machine Works. (See Atherton, Abel T. and C. T., assignors.)						
Mason Machine Works. (See Meats, John T., assignor.)						
Mason Regulator Company. (See Mason, William B., assignor.)						
Mason, Volney W., Jr., New York, N. Y. Gear-wheel.....	768,993	July 5	138	23	111	36
Mason, William. (See Bennett and Mason.)						
Mason, William, assignor to Winchester Repeating Arms Co., New Haven, Conn. Swaging conoidal-end bullets.....	771,083	Sept. 27	3741	788	112	891
Mason, William B., assignor to Mason Regulator Company, Boston, Mass. Pump-regulator.....	765,026	July 12	2285	476	111	515
Mason, William B., Providence, R. I. Oscillaphone.....	773,982	Nov. 23	4375	1050	111	1188
Mason, William C., Pasadena, Cal. Fruit-tree extracting and transplanting device.....	768,586	July 19	3368	709	111	764
Massenez, Otto, Wiesbaden, Germany. Manufacturing steel.....	754,154	Mar. 8	1845	.....	109	424
Massenez, Otto, Wiesbaden, Germany. Dechromizing iron.....	772,164	Oct. 11	1921	.....	112	1385
Massengale, Joseph C., et al. (See Alexander, John T., assignor.)						
Massey, Gilbert J., Adrian, Mich. Mail-box.....	762,332	June 14	1393	1301 1302	110	1762
Massey-Harris Company. (See Jones, McLeod, and Hunt, assignors.)						
Massey, Madison M., and G. Spooner, assignors of one-third to J. J. Wiles, Cloudfcroft, N. Mex. Ter. Fastening for tubes or stay-bolts for steam-boilers.....	749,210	Jan. 12	1348	290	108	331
Massey, Samuel A., Frankfort, Kans. Three-horse evener.....	752,087	Feb. 16	2447	574	108	1620
Massey, Samuel A., Frankfort, Kans. Three-horse evener.....	769,661	Sept. 6	987	214	112	225
Massie, Mifford C., administrator. (See Ach, Fritz.)						
Massie, Mifford C., assignor of one-half to M. Georgil, Washington, D. C. Alternating-current motor.....	763,774	June 28	4261	928	110	2425
Massie, Walter W., Providence, R. I. Oscillaphone.....	769,003	Aug. 30	5391	1235	111	2424
Massi, Walter W., Providence, R. I. Coherer.....	775,113	Nov. 15	3116	661	113	735
Massinger, Charles J., Collingswood, N. J. Audiphone.....	763,414	June 28	3602	776	110	2283
Massini, Guiseppe, Rome, Italy. Acetylene-gas lamp.....	773,956	Nov. 1	850	179	113	195
Massmann, John H., Richmond, Ind. Combined land roller and harrow.....	775,575	Nov. 22	4159	876	113	994
Mast, David M. (See Byler and Mast.)						
Mast, Foss & Company. (See Pfeiffer, John, assignor.)						
Mast, Peter, Toledo, Ohio. Gate-fastener.....	749,440	Jan. 12	1847	384	108	435
Mast, Peter, Toledo, Ohio. Fastener and tension device for frameless gates.....	777,800	Dec. 20	2634	580	113	2035
Master, James W., Los Angeles, Cal. Valve.....	752,241	Feb. 16	2731	605	108	1696
Masterman, Octavius E., Allingbury, Pa. Center-rest for lathes.....	773,957	Nov. 1	852	179	113	196
Masterman, William H., et al. (See Putnam, John H., assignor.)						
Masters, Arthur M., Jacksonville, assignor to F. Birkenmayer and F. W. Sibert, Morgan county, Ill. Automatic water-feed regulator and low-water alarm.....	750,233	Jan. 26	3477	752	108	824

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Masters, Hanford, Butte, Mont. Eyeglasses.....	769,622	Sept. 6	992	199	113	399
Masters, William J., Markle, Pa. Stretcher for wire fences.....	767,585	Aug. 16	8943	616	111	1790
Materson, Jonathan E., Spokane, Wash. Electric-cord adjuster.....	762,696	Feb. 23	3638	810	108	1901
Masury, Fred L. M., Brookfield township, Trumbull county, Ohio. Apparatus for exploding mines, blasting, &c.....	766,454	Aug. 2	613	130	111	1174
Matcham, Charles A., Allentown, Pa. Combined rotary kiln and drier.....	755,513	Mar. 22	4464	991	109	1081
Matcovitch, Nicholas N. S., Sacramento, Cal. Broom-bridle.....	762,076	June 7	893	184	110	1681
Mathe, Ernst, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Blue sulfy dye and making same.....	763,193	June 21	3135		110	2161
Mather, Allan G. (See Fraser and Mather.)						
Mather, Alonzo C., Chicago, Ill. Draft-rigging.....	767,528	Nov. 16	2919	589	111	1701
Mather, Alonzo C., Chicago, Ill. and M. P. Bowen, Buffalo, N. Y. Building-block.....	776,409	Aug. 29	5778	1223	113	1374
Mather, Henry W., Roseville, N. J. Nut-cracker.....	768,062	Aug. 23	3916	822	111	1903
Mather, Joseph S., St. Louis, Mo. Game apparatus.....	749,872	Jan. 19	2680	573	108	634
Mather and Platt. (See Chambers and Cook, assignors.)						
Mather, Thomas E., Minneapolis, Minn. Liquid-measuring apparatus.....	753,283	Mar. 1	127	31	109	81
Mathesius, Alexander H., Brooklyn, N. Y. Guide-wheel.....	754,473	Mar. 15	2539	554	109	591
Mathesius, Walter, Hörde, Germany. Delivering apparatus for yarn-skeins.....	754,584	Mar. 15	2757	600	109	695
Matheson, Robert, San Diego, Cal. Hydrocarbon-burner.....	765,027	July 12	2287	476	111	516
Matheson, William M., assignor to United States Watch Company, Waltham, Mass. Stem-winding watch.....	755,908	Mar. 29	5251	1161	109	1215
Mathews, Allen, et al. (See Washington, David, assignor.)						
Mathews, Charles. (See Banta and Mathews.)						
Mathews, Frank V., Rochester, N. Y. Variable-speed mechanism.....	750,874	Feb. 2	181	42	108	1096
Mathews, George W., Chicago, Ill. Heater and garbage-burner.....	766,153	July 26	4515	965	111	1021
Mathews, John M., St. Louis, Mo. Device for preventing incrustation of steam-boilers.....	755,027	Mar. 22	3592	789	109	836
Mathews, John S., assignor of one-fourth to W. C. Minnis, Pendleton, Oreg. Current-motor or water-wheel.....	774,592	Nov. 8	2023	442	113	465
Mathews, Karl, assignor of one-half to S. H. Ellis, Marshall, Tex. Piston.....	750,875	Feb. 2	185	43	108	1098
Mathews, William C., and C. Bauer, Elmhurst, Ill. Oil-feeding device.....	763,301	June 21	3326	720	110	2201
Mathewson, Albert H., Thompsonville, Conn. Electrical-controller attachment.....	773,313	Oct. 25	4197	888	112	1382
Mathewson, Arthur L., Omaha, Nebr., assignor of one-fourth to C. W. Barney, San Francisco, Cal. Spinning-machine.....	765,319	July 19	2935	591	111	650
Mathewson, Elmer W., East Greenwich, R. I. Extensible curtain-support.....	750,776	Jan. 26	4435	956	108	1032
Mathewson, Jeremiah E., Broadhead, England. Sand-blast apparatus.....	773,663	Nov. 1	245	55	113	59
Mathie, Otto, Wausau, Wis. Pasteurizing bottled liquids.....	775,144	Nov. 15	3172	674	113	747
Mathieu, Eugene, Louvain, Belgium. Change-speed gear for motor-carriages.....	765,707	July 26	3617	770	111	831
Mathieu, Eugene, Louvain, Belgium. Steering-gear for motor-vehicles.....	769,176	Sept. 6	76	19	112	18
Mathieu, Jean A., Georgetown, S. C. Apparatus for the distillation of wood.....	769,177	Sept. 6	79	19	112	18
Mathieu, Joseph X., and J. F. Pullan, Great Barrington, Mass. Adjustable tool-holder.....	776,250	Nov. 29	5491	1162	113	1308
Mathis Brothers Company. (See Mathis, Julien W., assignor.)						
Mathis, James H., et al. (See Dean, Walter C., assignor.)						
Mathis, Julien W., assignor to Mathis Brothers Company, Chicago, Ill. Wall-register.....	773,735	Dec. 27	4519	990	113	2452
Matlack, Lucius C., Chicago, Ill. Furniture-tip.....	748,965	Jan. 5	794	172	108	181
Maton, Joseph. (See Marshall and Maton.)						
Maton, Joseph, Edinburgh, Scotland. Chiseling-lamp.....	768,063	Aug. 23	3917	822	111	1963
Matrolis, William A., Cumbola, Pa. Padlock.....	751,528	Feb. 9	1365	312	108	1368
Matson, Christ, and P. Robertson, Racine, Wis. Coupling.....	777,383	Dec. 13	1808	400	113	1842
Matson, Taylor, Philadelphia, Pa. Device for cooling piston-rods.....	751,802	Feb. 9	1883	429	108	1475
Matter, Andrew, Connellsville, assignor of one-half to J. S. Matter, Kirksville, Mo. Car-coupling.....	771,992	Oct. 11	1554	349	112	1305
Matter, Andrew, Connellsville, assignor of one-half to J. S. Matter, Kirksville, Mo. Safety attachment for elevators.....	777,396	Dec. 13	1623	360	113	1802
Matter, J. S. (See Matter, Andrew, assignor.)						
Mattern, George A., Berkeley, Cal. Undergarment.....	758,375	Apr. 26	4331	930	109	2826
Mattes, Matthias. (See Rate and Mattes.)						
Mattes, Matthias, Iowa City, Iowa. Corn-husker.....	759,118	May 3	1051	213	110	239
Mattes, William F., Scranton, Pa. Gas-generator.....	760,638	May 24	4081	867	110	969
Matteson, Clark S., et al. (See Farmer, Julius M., assignor.)						
Matteson, Jesse E., et al. (See Farmer, Julius M., assignor.)						
Matteson, Walter C., Stockton, Cal. Fence-clamp.....	761,595	May 31	5968	1281	110	1397
Mattheis, John G., Alameda, Cal. Heater for steam fire-engines.....	767,586	Aug. 16	2944	617	111	1731
Matthew, Patrick M., Edinburgh, Scotland. Calendaring or friction-coating fabrics with rubber.....	761,520	May 31	5832	1247	110	1366
Matthew, William E., Bucyrus, Ohio. Torpedo-placer.....	751,931	Feb. 9	2147	485	108	1536
Matthews, Charles D., assignor of one-half to M. Stern, New Orleans, La. Thread holder and cutter for sewing-machines.....	771,431	Oct. 4	436	99	112	1050
Matthews, Charles D., assignor of one-half to M. Stern, New Orleans, La. Thread-cutter for sewing-machines.....	771,633	Oct. 4	855	191	112	1142
Matthews, Cramer L. (See Barton, Heinrichsen, Cousins, and Matthews.)						
Matthews, Edgar K., Hampton, Tex. Combined faucet and measure.....	752,459	Feb. 16	3138	703	108	1778
Matthews, Henry, assignor of one-half to M. Dammann, Washington, D. C. Smoke-condenser.....	774,849	Nov. 15	2577	554	113	608
Matthews, James F., assignor of one-half to H. S. Parker, El Reno, Okla. Ter. Game board or table.....	751,189	Feb. 2	756	173	108	1219
Matthews, James F., El Reno, assignor of one-half to J. R., Jr., and C. C. Cole, Oklahoma, Okla. Ter. Cotton-bale-tie buckle.....	749,076	Jan. 5	1060	225	108	244
Matthews, John W., assignor of one-half to J. T. Roche, Jr., Bridgeport, Conn. Guard for incandescent lamps.....	763,009	June 21	2768	600	110	2079
Matthews, John W., Maldon, Victoria, Australia. Acetylene-generating apparatus.....	756,671	Apr. 5	912	199	109	1538
Matthews, Myron B. (See Smith, Adolph T., assignor.)						
Matthews, Thomas A., Nashville, Tenn. Envelope or card delivering cabinet.....	748,966	Jan. 5	795	172	108	181
Matthews, Thomas A., Nashville, Tenn. Stationery-cabinet.....	748,967	Jan. 5	797	173	108	181
Matthews, Thomas A., New York, N. Y. Lubricant-supplying device.....	753,201	Feb. 23	4615	1028	108	2121
Matthies, Robert, Hammond, Ind. Harness-bit attachment.....	773,063	Oct. 25	3936	819	112	1843
Matthiesen, Johannes, Darmstadt, Germany. Governor for marine engines.....	762,736	June 14	2228	484	110	1908
Matthiesen, Nickels J., Clinton, Iowa. Wood scraping and smoothing machine.....	750,394	Jan. 26	3473	753	108	824
Matthies, Eugene, Habira, Ga. Cotton-gin feeder.....	766,052	July 26	4296	930	111	974
Matthee, Asa M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing-housing.....	776,669	Dec. 6	405	90	113	1518

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Mattingly, Alexander R. (See Price, Stephen B., assignor.)						
Mattingly, Leonard F., Lebanon, Ky. Horse-blanket	767,417	Aug. 16	2599	547	111	1651
Mattison, Charles D., Haverock Heights, N. J. Cloth-cutting machine	767,076	Aug. 9	1998	435	111	1491
Mattison, Christian, Beloit, Wis., assignor to C. Mattison Machine Works, Columbia and baluster turning machine	767,113	Aug. 9	2020	421	111	1509
Mattocks, Paul R., Highpoint, and J. L. Graftlin, Wilmington, N. C. Valve	766,053	July 26	4299	921	111	975
Matton, Frederick V., Riverton, assignor to Camden Iron Works, Camden, N. J. Centrifugal gas-purifier	775,753	Nov. 23	4152	956	113	1071
Mattson, Herman N., Rockledge, Pa. Shutter-fastener	760,007	May 17	2859	598	110	678
Mattson, Isaac, et al. (See Ehnman, Samuel, assignor.)						
Matusak, Peter, Greensburg, Pa. Rail-joint	765,028	July 12	2289	476	111	516
Matusak, Peter, Greensburg, Pa. Peg-box	778,457	Dec. 27	9575	865	113	2333
Matz, John, et al. (See Guzowski, Joseph, assignor.)						
Matzinger, John, New York, N. Y. Eight-day alarm-clock	772,165	Oct. 11	1924	426	112	1385
Matzka, Wincenty, Vechele, Germany. Preparing compositions for sulfur-baths	765,291	July 19	2770	-----	111	636
Matzka, Wincenty, Vechele, near Brunswick, Germany. Preparing a composition for sulfur-baths	766,154	July 26	4518	-----	111	1022
Mauborgne, Francis J., New York, N. Y. Photographic-plate holder	776,670	Dec. 6	406	91	113	1518
Mauer, Charles F. (See Karr, Burton A., assignor.)						
Maul, Alfred, Dresden, Germany. Rocket apparatus for taking photographs	755,825	Apr. 19	3233	702	109	2066
Maul, Christian, Chicago, Ill. Tank-filling alarm	753,600	Mar. 1	736	164	109	60
Maul, Christian, assignor to Johnston Harvester Company, Batavia, N. Y. Grain-binder	752,912	Feb. 23	4046	905	108	1992
Maulbetsch, Fred. (See Bohn, Gottfried J., assignor.)						
Maum, John. (See Boyle and Maum.)						
Maunsell-Smyth, George, Bromley, England. Folding box	770,915	Sept. 27	3404	718	112	816
Mauppin, William H., and H. C. Keller, Bondville, Ill. Grain-door for cars	774,526	Nov. 8	1898	412	113	440
Mauran, Joseph R., Los Angeles, Cal. Portable dusting-frame	753,993	Mar. 8	1551	346	109	359
Mauran, Max, Niagara Falls, N. Y., assignor to Castner Electrolytic Alkali Company. Seal for sheet-metal vessels	775,983	Nov. 29	4777	1050	113	1169
Mauran, Max, Niagara Falls, N. Y., assignor to Castner Electrolytic Alkali Co. Crimping-tool for sealing cans	777,909	Dec. 20	2984	635	113	2084
Maurer, Charles, Pittsburg, Pa. Curtain-pole attachment	760,321	May 17	3495	736	110	820
Maurer, Emil, Karolinenthal, Austria-Hungary. Speed-regulator	751,319	Feb. 2	1023	233	108	1275
Maurer, Frank L., Johnstown, Pa. assignor to Lorain Steel Company. Railway-switch	753,187	Aug. 23	4290	883	111	2036
Maurer, Louis, Brooklyn, N. Y. Device for keeping flowers on graves alive	774,988	Nov. 15	2860	610	113	677
Maurice, John, assignor of one-half to R. F. Furgason, Ecorse, Mich. Feed-regulator for mills	774,684	Nov. 8	2190	478	113	502
Mauro, John, assignor of one-half to T. F. O'Grady, Paterson, N. J. Sectional bookcase	769,705	Sept. 13	1086	232	112	264
Maus, Nicholas R., Chicago, Ill. Automatic release-valve	770,646	Sept. 20	2870	610	112	680
Maust, Harry, Brooklyn, N. Y. Label-affixing machine	777,041	Dec. 6	1163	253	113	1686
Mautner, Ludwig J., Vienna, Austria-Hungary. Firing mechanism for ships' guns	752,460	Feb. 16	3159	704	108	1778
Mauzy, Florence. (See Beckton, George, assignor.)						
Mavrogordato, François E., Constantinople, Turkey. Hydrocarbon-lighting apparatus	758,087	Apr. 20	3732	816	109	2198
Max Ans Machine Company. (See Breuninger, Julius, assignor.)						
Maxam, Franklin H., Princeton, Ind. Combined shelf or hanger and foot-rest attachment for radiators	762,173	June 7	1072	227	110	1671
Maxam, Franklin H., Princeton, Ind. Pen-erecting penholder	774,387	Nov. 15	2853	570	113	627
Maxey, Augustus G., Owensboro, Ky. Portable scaffold	756,034	Mar. 29	5509	1215	109	1271
Maxey, Ernest, assignor of one-fourth to Q. T. Moreland, Fort Worth, Tex. Self-supporting and extension ladder elevator	775,373	Nov. 23	3705	786	113	893
Maxham, Lowell M., Boston, Mass. Car-fender	768,134	Aug. 23	4108	864	111	2006
Maxim, Hiram P., Pittsburg, Pa. Traction-strap	753,355	Mar. 1	132	32	109	33
Maxim, Hiram P., Pittsburg, Pa. Vehicle-brake	757,940	Apr. 19	3448	747	109	2114
Maxim, Hiram P., Pittsburg, Pa. Motor-vehicle running-gear	757,941	Apr. 19	3448	747	109	2115
Maxim, Hiram P., Pittsburg, Pa. Motor suspension for vehicles	760,747	May 24	4323	917	110	1019
Maxim, Hiram P., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric motor	751,191	Feb. 2	760	173	108	1219
Maxim, Hiram P., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrically-propelled vehicle	753,284	Mar. 1	130	31	109	32
Maxim, Hiram P., assignor to Electric Vehicle Company, Hartford, Conn. Gearing	764,896	July 12	2048	423	111	464
Maxim, Hiram P., H. M. Pope, and H. W. Alden, Hartford, Conn., assignors, by mesne assignments, to Morton Trust Company, trustee. Electric motor-vehicle	772,571	Oct. 18	2748	635	112	1590
Maxim, Hiram S., West Norwood, England. Shaft for screw-propellers	759,726	May 10	2299	478	110	536
Maxim, Hiram S., London, England. Fuse for armor-piercing projectiles	763,302	June 21	3328	720	110	2262
Maxim, Howard F., Bethel, Me. Automatic apparatus for extinguishing fire	753,897	Mar. 8	1362	307	109	314
Maxim, Hudson, New York, N. Y. Smokeless-powder rod or grain and making same	753,904	Mar. 8	1552	346	109	359
Maxim, Hudson, Brooklyn, N. Y. Smokeless-powder grain	766,455	Aug. 2	614	130	111	1174
Maxim, Hudson, Brooklyn, N. Y. Motor-power combustible for automobile torpedoes	778,788	Dec. 27	4579	1002	113	2466
Maximilian, Max, Buffalo, N. Y. Pneumatic hammer	776,677	Dec. 6	407	91	113	1518
Maxson, Carl W., West Bay City, assignor of two-thirds to S. A. Bush, South Arm, and W. L. French, East Jordan, Mich. Pneumatic tire	761,777	June 7	327	65	110	1512
Maxson, Charles B., assignor to Maxson Printing Press Company, Westerly, R. I. Paper-feeding machine	750,295	Jan. 26	3480	753	108	824
Maxson Printing Press Company. (See Maxson, Charles B., assignor.)						
Maxwell, David, Dundee, Scotland. Automatic guard or life-saver for tram-cars or the like	748,628	Jan. 5	147	35	108	33
Maxwell, Elmer T., Wooster, Ohio. Corn-shock loader	734,585	Mar. 15	2757	601	109	636
Maxwell, Elmer T., Wooster, Ohio. Loading apparatus	754,580	Mar. 25	3759	601	109	636
Maxwell & Fitch Company. (See Maxwell, Harry B., assignor.)						
Maxwell, George W., San Francisco, Cal. Game apparatus	756,514	Apr. 5	635	137	109	1476
Maxwell, George W., Los Angeles, Cal. Indexed mechanical directory	774,527	Nov. 8	1900	413	113	440
Maxwell, Harry B., assignor to Maxwell & Fitch Company, Rome, N. Y. Driving mechanism for automobiles	764,063	Nov. 5	294	57	111	67
Maxwell, James N., Dawson, Pa. Brake-shoe	762,484	June 14	1711	868	110	1829
Maxwell, James N., Dawson, Pa. Lubricating device for mine-car wheels	775,114	Nov. 15	3117	661	113	736
Maxwell, Jonathan D., Detroit, Mich. Motor-vehicle	751,529	Feb. 9	1368	312	108	1338
Maxwell, Jonathan D., Detroit, Mich. Safety mechanism for starting explosive-engines	765,628	July 19	3444	726	111	780
Maxwell, John, Oneida, N. Y. Sheet-metal caskets	759,727	May 10	2303	478	110	537
Maxwell, John, Oneida, N. Y. Sheet-metal casket	759,728	May 10	2304	479	110	537

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Maxwell, Joseph S., Cumberland, Md. Coke-oven.	761,521	May 31	5834	1248	110	1366
Maxwell Mfg. Co. (See Fogarty, John C., assignor.)						
Maxwell, Norman J., executor. (See Guild, Henry M.)						
Maxwell, Singleton A., Atlanta, Ga., assignor to Ideal Opening Die Company. Die-opening mechanism.	755,028	Mar. 22	3598	789 790	109	836
May, Armand. (See Newlin, Joseph S., assignor.)						
May, Arthur F., et al. (See Pennington, Edward J., assignor.)						
May, E. F. (See Curtis, Winfield, assignor.)						
May, Edward, Detroit, Mich. Portable metallic fence-post.	762,645	June 14	2037	441	110	1899
May, Ernst, New York, N. Y. Acetylene-generator.	773,404	Oct. 25	4580	967	112	2015
May, Eugene C., Chicago, Ill. Composition of matter.	770,083	Sept. 13	1776	112	113	118
May, Franz, Hatschein, near Olmütz, Austria-Hungary. Furnace for steam-generators.	749,938	Jan. 19	2821	602	108	664
May, Jerome W., New York, N. Y. Advertising display means.	769,866	Sept. 13	1397	298	112	334
May, John C., Peoria, Ill. Automatic unlatching device for doors.	764,535	July 5	1304	264	111	286
May, Leopold von, Ungarisch-Ostra, Austria-Hungary. Rotating heat-transferring device.	769,557	Sept. 6	818	175	112	185
May, Richard F., et al. (See Finlayson, Alexander W., assignor.)						
May, Rudolph A., Akron, Ohio. Convertible furnace.	751,530	Feb. 9	1370	312 313	108	1369
May, Rudolph A., Akron, Ohio. Gas or solid fuel furnace.	752,461	Feb. 16	3162	705	108	1779
May, Walter S., Clifton, Ariz. Ter. Acetylene-generator.	750,674	Jan. 26	4193	969	108	577
May, William B., Denver, Colo. Means for converting reciprocatory into rotary motion.	756,388	Apr. 5	399	82	109	1425
Mayall, Lewis A., Philadelphia, Pa. Mechanism for feeding thin flat flexible blanks.	757,667	Apr. 19	2930	637	109	2001
Mayall, Lewis A., Philadelphia, Pa. Machine for creasing cardboard.	758,672	May 8	135	29	110	33
Maybaum, Levy. (See Magness, John W., assignor.)						
Maybaum, Levy, Newark, N. J. Carriage-spacing attachment for writing-machines.	754,155	Mar. 8	1847	412 413	109	424
Mayer, Adolph, New York, N. Y. Hat.	750,992	Feb. 2	392	93	108	1144
Mayer, August F., San Francisco, Cal. Lock.	764,249	July 5	686	139	111	152
Mayer, Christian F., Millersville, Pa., assignor to Pennsylvania Pneumatic Pump Company, Davenport, Iowa. Operating means for pumps.	774,919	Nov. 15	2716	583	113	641
Mayer & Co., Robert. (See Fritzsche, Max, assignor.)						
Mayer, Emerich C. (See Petric, Josef, assignor.)						
Mayer, Emil M., Cincinnati, Ohio. Barrel-bung.	753,156	Feb. 23	4527	1009	108	2099
Mayer, George M., Chicago, Ill., assignor to A. L. Noel, Mason City, Iowa. Alarm device.	765,435	July 19	3077	644	111	702
Mayer, Isidor, and J. Hübner, Vienna, Austria-Hungary. Stop and automatic cut-off device.	751,666	Feb. 9	1627	399	108	1433
Mayer, Jacques, and Albrecht, Berlin, Germany. Type-ejecting device in type-casting machines.	770,598	Sept. 20	2775	589	112	659
Mayer, Louis, Mankato, Minn. Jail-door-operating device.	772,699	Oct. 18	2553	561 562	112	1548
Mayer, Max, Munich, Germany. Calculating-machine.	772,623	Oct. 18	2845	624	112	1611
Mayer, Wilhelm, Rüttenscheid, near Essen-on-the-Ruhr, Germany. Automatic wheel-brake for lifts.	774,850	Nov. 15	2577	554	113	608
Mayer, Wilhelm, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-wagon or limber.	777,297	Dec. 13	1625	360 361	113	1802
Mayer, Wilhelm, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-wagon or limber.	777,298	Dec. 13	1626	361	113	1803
Mayers, Joseph A., Redbank, N. J. Clip.	751,631	Feb. 9	1372	313	108	1369
Mayers, Joseph A., Redbank, N. J. Clip.	763,303	June 21	3331	721	110	2203
Mayes, Joseph, et al. (See Doyal, Ira C., assignor.)						
Mayes, Louis C., Greeley, Colo. Metallic railway-tie.	774,193	Nov. 8	1288	273	113	308
Mayes, Olive L., Evanston, Wyo. Cheek-plumper.	766,367	Aug. 2	449	95	111	1139
Mayes, W. R., et al. (See Doyal, Ira C., assignor.)						
Mayette, Edgar, Canisteo, N. Y. Crate or basket.	765,931	July 26	4068	869	111	926
Mayhall, Larken, Sultan, Wash. Fish-culture tank.	757,407	Apr. 12	2591	520	109	1867
Mayland, George A. (See Schmidt and Mayland.)						
Mayland, Rowland H., Freeport, N. Y. Bell.	770,437	Sept. 20	2467	523	112	590
Maynard, John, New York, N. Y. Writing-machine.	773,802	Nov. 1	503	110	113	117
Maynard, William H. N. (See Mix and Maynard.)						
Maynes, Hyla F. (See Thompson and Maynes.)						
Maynes, Hyla F., Corning, N. Y. Bicycle-gearing.	754,587	Mar. 15	2761	602	109	636
Maynes, Hyla F., Corning, N. Y. Bicycle-gearing.	766,277	Aug. 2	285	57	111	1103
Maynes, Hyla F., Corning, N. Y. Bicycle-gearing and controlling mechanism therefor.	776,750	Dec. 6	573	125	113	1553
Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Mold or die for heel-compressing machines.	764,668	July 12	1594	386	111	375
Mayo, Benjamin F., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Company. Spring-heel shoe.	765,392	July 19	2984	625	111	682
Mayo, Benjamin F., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Company. Machine for driving protectors.	768,811	Aug. 30	5481	1154	111	2330
Mayo, Benjamin F., Salem, assignor to United Shoe Machinery Company, Boston, Mass., Machine for driving protectors.	768,812	Aug. 30	5483	1155 1156	111	2331
Mayo, Howes, Belfast, Me. Fruit-gatherer.	759,729	May 10	2306	479	110	538
Mayo, John E., et al. (See Pratt, Cyrus C., assignor.)						
Mayo, Robert D. (See Mayo, Robert D. and R. D.)						
Mayo, Robert D., Frankfort, Mich. Life-boat.	768,534	Aug. 23	4988	1026	111	2184
Mayo, Robert D., Grand Rapids, Mich. Life-boat.	769,316	Sept. 6	363	83	112	78
Mayo, Robert D. and R. D., assignors of one-third to H. S. Osborn, Grand Rapids, Mich. Life-boat.	778,421	Dec. 27	3897	849	113	2317
Mayr, William A., Everett, Mass. Fountain attachment for washboilers.	754,790	Mar. 15	3159	688	109	724
Mayr, Walter A. (See Carlson and Mayr.)						
Mays, Charles. (See Mays, Joseph A. and C.)						
Mays, Joseph A. and C., Philadelphia, Pa. Brake.	753,898	Mar. 8	1366	306	109	315
Maytag, Daniel C., Laurel, Iowa. Scraping-machine.	761,896	June 7	575	114	110	1567
Maytag, Daniel C., Laurel, Iowa. Grading and scraping machine.	765,500	July 19	3219	673	111	732
McAdams, Bela, Hephurn, Ohio. Self-feeder for corn-shredding machines.	760,909	May 24	4064	989	110	1071
McAdams, George, Dallas, Tex. Flue-stopper.	766,647	Aug. 2	1036	217	111	1247
McAdams, George F., New York, N. Y. Ringed roller for line-printing and ruling machines.	750,080	Jan. 26	4203	911	108	979
McAdams, George F., New York, N. Y. Line-printing machine.	750,081	Jan. 26	4204	912	108	979
McAdams, Sylvester L., Beaverfalls, Pa. Steam-motor.	751,325	Feb. 2	1035	235	108	1278
Mcadoo, Thomas J. (See Moon, Claborn F., assignor.)						
McAfoos, H. S. (See Kanarr, William R., assignor.)						
McCall, Edward S. (See Rice, Kayle, and McCall.)						
McAllister, Addams S., Ithaca, N. Y. Alternating-current machinery.	770,091	Sept. 13	1791	378	112	421

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McAllister, Addams S., Ithaca, N. Y. Alternating-current machinery	770,092	Sept. 13	1795	379	112	492
McAllister, George A., Gibbsboro, N. J. Machine for filling vessels with fluid materials	753,606	Mar. 1	742	166	109	161
McAllister, George W., (See McCourt and McAllister.)						
McAllister, Irene, et al., (See Adams, Robert F., assignor.)						
McAloney, Margaret L., Seattle, Wash. Copy-holder	760,910	May 24	4643	990	110	1088
McAnally, John, et al., (See Galloway, George, assignor.)						
McAnanny, Frank W., (See Chellis and McAnanny.)						
McAnulty, Thomas D., E. O'Brien, and W. French, Eau Claire, Wis. Suction-box cover for paper-making machines	751,095	Feb. 2	574	133	108	1184
McArdle, Eugene F., New York, N. Y. Vehicle-tire	750,000	Jan. 19	2935	627	108	689
McArthur, Cherubino, Hudson, N. Y. Motor	761,531	May 31	5851	1255	110	1370
McArthur, Daniel, Jersey City, N. J. Turbine	764,817	July 12	1892	388 389 970	111	490
McArthur, George P., Fox Chase, Pa. Gate-valve	768,393	Aug. 23	4637	371	111	2129
McArthur, Reginald E., (See Medley, Clarence, assignor.)						
McArthur, Robert, Biddeford, Me. Fire-extinguisher for textile machinery	770,817	Sept. 27	3233	679	112	777
McArthur, William M., Lockport, N. Y. Trolley-catcher	771,593	Oct. 4	685	153	112	1105
McAuley, John G., deceased; M. W. McAuley, Lansing, Mich., administratrix. Pulverizer	749,574	Jan. 12	2100	437	108	492
McAuley, Mary W., administrator. (See McAuley, John G.)						
McBee, Richard B., Ardmore, Ind. Ter. Penholder	753,607	Mar. 1	515	167	109	162
McBerty, Frank R., (See Scribner and McBerty.)						
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Ringing-key for telephone-switchboards	751,539	Feb. 9	1382	315	108	1371
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Toll apparatus for telephone-exchanges	753,903	Mar. 8	1375	310	109	317
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Service-meter for telephone-lines	755,308	Mar. 22	4091	905	109	941
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Plug and spring-jack switch	760,549	May 24	3898	828	110	929
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Relay	762,338	June 14	1404	303	110	1764
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Apparatus for telephone-switchboards	764,752	July 12	1754	357	111	400
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Telephone support and switch	767,489	Aug. 16	2749	577	111	1687
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Telephone-exchange switchboard apparatus	769,760	Sept. 13	1183	255	112	285
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Coin-collector	771,920	Oct. 11	1402	318 319	112	1272
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Apparatus for telephone-switchboards	772,896	Oct. 18	3380	735	112	1727
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Busy-signal for telephone-switchboards	772,897	Oct. 18	3383	735	112	1728
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Trunk-line for telephone-exchanges	772,898	Oct. 18	3386	735	112	1728
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Supervisory signal for telephone-switchboards	772,899	Oct. 18	3389	735	112	1729
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Toll-collecting appliance for telephone pay-stations	774,265	Nov. 8	1413	302	113	335
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Signaling apparatus for telephone-switchboards	774,332	Nov. 8	1543	331	113	364
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Switch-key	776,413	Nov. 29	5782	1224	113	1374
McBerty, Frank R., Evanston, assignor to Western Electric Company, Chicago, Ill. Telephone service-meter	777,217	Dec. 13	1482	328	113	1770
McBerty, Frank R., Evanston, and F. H. Loveridge, assignors to Western Electric Company, Chicago, Ill. Electromagnetic signal	762,430	June 14	1588	346	110	1802
McBerty, Frank R., Evanston, Ill., and H. M. Crane, New York, N. Y., assignors to Western Electric Company, Chicago, Ill. Relay	769,761	Sept. 13	1187	256	112	286
McBerty, Frank R., Evanston, and J. L. McQuarrie, assignors to Western Electric Company, Chicago, Ill. Signaling apparatus for telephone-switchboards	762,336	June 14	1399	303	110	1763
McBerty, Frank R., Evanston, and J. L. McQuarrie, assignors to Western Electric Company, Chicago, Ill. Signal for telephone-switchboards	762,337	June 14	1402	303	110	1763
McBerty, Frank R., Evanston, Ill., and J. L. McQuarrie, South Orange, N. J., assignors to Western Electric Company, Chicago, Ill. Measured-service system for telephone-exchanges	771,996	Oct. 11	1561	330 351	112	1306
McBerty, Fred P., assignor to Peerless Electric Company, Warren, Ohio. Actuating means for calculating-machines	762,928	June 21	2623	568 569	110	2046
McBride, Charles L., Toledo, Ohio. Glove stretcher	766,572	Aug. 2	456	97	111	1140
McBride, Lewis M., Denver, Colo. Trolley for electric cars	768,674	Aug. 30	5229	1099	111	2273
McBride, Louis C., et al., (See McIntyre, David, assignor.)						
McBride, Patrick L., Lowell, Mass. Feeding mechanism for carding-machines	754,484	Mar. 15	2561	558	109	596
McBride, William T., Parker, Kans. Feed-let scraper	758,769	May 3	3885	77	110	95
McCabe, James T., New York, N. Y. Door-hanger	768,137	Aug. 23	4112	865	111	2008
McCabe, Roy L., (See Kopperud, Anders H., assignor.)						
McCabe, Thomas, Jr., Homestead, Pa. Combined trunk and desk	775,731	Nov. 22	4461	944	113	1060
McCabe, Thomas W. R., (See Woodruff and McCabe.)						
McCabe, Thomas W. R., Winsted, Conn. Metal-turning machine	753,158	Feb. 23	4532	1010 1011	108	2100
McCabe, Thomas W. R., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Clock-arbor, &c.	769,559	Sept. 6	821	175	112	185
McCabe, William L., Seattle, Wash. Portable conveyer	754,334	Mar. 8	2183	483 484 485 486	109	493
McCabe, William L., Seattle, Wash. Portable conveyer	754,335	Mar. 8	2183	486	109	494
McCabe, William L., Seattle, Wash. Portable conveyer	767,824	Aug. 16	3400	717 718	111	1888
McCabe, William L., Seattle, Wash. Swivel-truck	767,911	Aug. 16	3552	733	111	1894
McCadden, George, St. Cloud, Minn. Carburetor for internal-combustion engines	736,570	Apr. 12	1380	284	109	1640
McCafferty, John T., Mifflin township, Allegheny county, Pa. Trolley-wheel	766,766	Aug. 2	1281	272	111	1326
McCaill, Edmond D., Chicago, Ill. Gas-burner attachment	757,482	Apr. 19	2544	559	109	1915
McCaill, John H., (See McCaill, William J., assignor.)						
McCaill, John K., St. Louis, Mo. Loose-pulley mechanism for line-shafts	769,317	Sept. 6	364	83	112	78
McCaill, William J., assignor to J. H. McCaill, New York, N. Y. Dispensing-pump	778,757	Dec. 27	4522	990	113	2452

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McCain, Marvin M., assignor, by mesne assignments, to Empire Safety Tread Company, Brooklyn, N. Y. Horseshoe Valve-gear.	764,488	July 5	1176	240	111	259
McCain, Sidney L., Hutchins, Tex. Valve-gear.	763,502	June 28	3748	809	110	2315
McCain, William P., Wilnot, Ark. Harrow.	772,529	Oct. 18	2665	585	112	1272
McCaleb, William. (See Osborne, John W., assignor.)						
McCall, Harry M., Pittsburg, Pa. Speed-regulator for explosive-engines.	761,599	May 31	5972	1283	110	1398
McCall, Harry M., assignor of five-eighths to James Rees Sons' Company, Pittsburg, Pa. Mechanical movement	761,317	May 31	5475	1164	110	1284
McCall, Harry M., assignor to Pittsburg Gas Engine Company, Pittsburg, Pa. Air-compressor	761,598	May 31	5971	1282	110	1397
McCall, Patrick F., Pottsville, Pa. Metallic railway-tie	773,666	Nov. 1	283	56	113	61
McCallister, Clarence A., Seattle, Wash. Rotary engine.	764,067	July 5	300	58	111	67
McCallum, William A. (See Pfister, Henry J., assignor.)						
McCallum, William A. F., assignor to H. C. Schmidt, Philadelphia, Pa. Apparatus for drawing liquids.	759,827	May 10	2514	525	110	583
McCalmont, Johnstone. (See Maes, John, assignor.)						
McCance, David, Lockport, N. Y. Polishing-machine	757,763	Apr. 19	3112	678	109	2039
McCandlish, Albert, George Lane, Bredbury, England. Portable testing and comparing instrument for electric incandescent lamps	756,976	Apr. 12	1522	334	109	1681
McCann, Harry, Hamilton, Canada. Box-plate and attachment therefor. (Reissue.)	12,280	Oct. 25	4887	1031	112	2082
McCann, James P., assignor of one-half to C. Forquer, Philadelphia, Pa. Apparatus for extinguishing fire in oil-tanks	773,884	Nov. 1	703	148	113	161
McCann, John P., Pittsburg, Pa. Revolving bell	759,003	May 3	826	170	110	193
McCann, John W. Republic, Wash. Foldable basin.	758,770	May 3	826	177	110	95
McCann, Joseph W., Washington, D. C. Copy-holder	751,327	Feb. 2	1036	235	108	1278
McCanna, John F., assignor to John F. McCanna Company, Chicago, Ill. Apparatus for force-feed lubrication	754,486	Mar. 15	2566	559	109	596
McCanna, John F. and J. R. Markle, assignors to John F. McCanna Company, Chicago, Ill. Lubricating-pump	754,485	Mar. 15	2563	558	109	596
McCanna, John F. and J. R. Markle, assignors to John F. McCanna Company, Chicago, Ill. Lubricating-pump	755,067	Nov. 15	3014	639	113	712
McCants, Jason S., Talladega, Ala. Ditching-plow	749,082	Jan. 5	1075	227	108	248
McCarl, Joseph C., Weston, W. Va. Valve	772,287	Oct. 11	2171	474	112	1443
McCarrel, Robert, Jacksonville, Fla. Tile	752,697	Feb. 23	3639	810	108	1901
McCarrel, Robert, Jacksonville, Fla. Plastic composition.	775,631	Nov. 22	4271	111	113	1019
McCarrell, William A., Jr., Altoona, Pa. Convertible street-car	772,110	Oct. 11	1805	400	112	1362
McCarroll, Charles T., Ottumwa, Iowa. Cream-separator	757,669	Apr. 19	2934	637	109	2002
McCarroll, Charles T., Ottumwa, Iowa. Stump-burner	769,708	Sept. 13	1091	234	112	266
McCarroll, Samuel H., assignor, by mesne assignments, to American Equipment Company, Providence, R. I. Elevator safety appliance	756,685	Apr. 5	937	205	109	1543
McCarter, John G. and A. W. Rockwood, Hydepark, assignors to J. G. McCarter Company, Boston, Mass. Leather-heading device.	761,696	June 7	149	29	110	1471
McCarthy, Agnes R. (See Kingsbury, Miriam, assignor.)						
McCarthy, Albert, assignor of nine-sixteenths to H. M. Ansley, W. H. Fitzpatrick, and M. Ruello, New Orleans, La. Excavating-machine	769,105	Aug. 30	6085	1273	111	2466
McCarthy, Charles J., Moncton, assignor of two-thirds to A. G. Blair, Jr., St. John, Canada. Device for separating piston-rods from cross-heads	776,927	Dec. 6	926	200	113	1630
McCarthy, Edward, et al. (See Griffin, Thomas J., assignor.)						
McCarthy, Felix, Pottstown, Pa. Mud-gun for filling iron-notches of blast-furnaces	769,106	Aug. 30	6088	1274	111	2467
McCarthy, Felix, Pottstown, Pa. Blow-off valve	771,486	Oct. 4	516	116	112	1068
McCarthy, Felix, Pottstown, Pa. Skulling-machine	771,487	Oct. 4	518	116	112	1068
McCarthy, Felix, Pottstown, Pa. Universal union or coupling	774,362	Nov. 8	1594	342	113	375
McCarthy, James J., Chicago, Ill. Car-roof	773,667	Nov. 1	254	57	113	61
McCarthy, John, Syracuse, N. Y. Casket-handle	750,001	Jan. 19	2386	627	108	689
McCarthy, John, Syracuse, N. Y. Casket-handle	750,002	Jan. 19	2387	627	108	689
McCarthy, Louis, Boston, Mass. Insulator	756,181	Mar. 29	5762	1372	109	1325
McCarthy, Thomas J., San Francisco, Cal. Portable elevator	777,530	Dec. 13	2077	458	113	1900
McCartney, James, San Francisco, Cal. Water-heater	766,889	Aug. 9	1579	332	111	1411
McCartney, James, Glenellen, Cal. Water-heater	766,964	Aug. 9	1725	362	111	1444
McCartney, Louis H., assignor to Quaker City Wallpaper Company, Philadelphia, Pa. Wall-paper-drying machine	752,993	Feb. 23	4239	944	108	2035
McCarty, Thomas E., Parkersburg, Iowa. Calculating-machine	751,670	Feb. 9	1633	370	108	1424
McCasland, Charles O., East St. Louis, Ill. Coin-operated towel-machine.	750,883	Feb. 2	190	46	108	1101
McCasin, A. N., et al. (See Baines, William J., assignor.)						
McCaughy, David W., Chicago, Ill. Dirigible torpedo	767,490	Aug. 16	2751	577	111	1688
McCaughy, David W., Chicago, Ill. Dirigible torpedo	767,491	Aug. 16	2757	577	111	1689
McCaughy, David W., Chicago, Ill. Dirigible torpedo	767,492	Aug. 16	2760	578	111	1689
McCauley, John E., assignor of one-half to W. D. Bayley, Springfield, Ohio. Hand-tool	770,532	Sept. 20	2659	503	112	633
McCauley, Eli S., and T. U. Frantz, Montour, Iowa. Machine for binding corn-shocks	751,671	Feb. 9	1634	371	108	1424
McCauley, Joseph W., et al. (See Warner, Isaac M., assignor.)	759,819	May 3	1286	259	110	292
McCausland, David, assignor to Briscoe Manufacturing Company, Detroit, Mich. Wheel guard or fender	756,392	Apr. 5	406	84	109	1430
McCausland, David, assignor to Briscoe Manufacturing Company, Detroit, Mich. Wheel guard or fender	756,393	Apr. 5	407	84	109	1430
McCausland, David, assignor of one-half to R. J. McClellan, Detroit, Mich. Fifth-wheel	770,771	Sept. 27	3110	660	112	752
McCausland, T. E. (See Palmer, Hugh R., assignor.)						
McClanahan, Robert N., Elreno, Okla. Threshing-machine.	752,576	Feb. 16	3377	754	108	1827
McClane, Samuel R., Owatonna, Minn. Churn	775,848	Nov. 22	4683	992	113	1106
McClarin, Charles T., Williamsport, Pa. Stovepipe-fastener	756,286	Apr. 5	147	30	109	1374
McClaughey, Charles C., Atlanta, Ga. Compression-indicator for calipers	765,034	July 12	2301	478	111	518
McClay, David G., Santa Ana, Cal. Napkin-holder	765,784	July 26	3809	811	111	868
McCleam, Samuel N., Washington, Iowa. Breech-loading and discharge-actuated fire-arm	749,214	Jan. 12	1359	292	108	334
McCleam, Samuel N., Cleveland, Ohio. Means for controlling the recoil of guns	749,215	Jan. 12	1369	293	108	335
McCleam, Samuel N., Cleveland, Ohio. Training device for guns	772,248	Oct. 11	2103	460	112	1427
McCleary, Harry, San Juan, Porto Rico. Automatic air-brake	764,142	July 5	456	89	111	69
McCleary, Henry, Tacoma, Wash. Power set-works	768,815	Aug. 30	5540	1157	111	2333
McCleary, James F., San Francisco, Cal. Curling-iron heater	769,560	Sept. 6	821	176	112	135
McClellan, Robert J. (See McCausland, David, assignor.)						
McClellan, William D., McHenry, Miss. Mail-bag catcher	753,288	Mar. 1	136	32	109	33
McClelland, David H., assignor to F. Risk, New York, N. Y. Oil-purifier	762,486	June 14	1713	368	110	1829

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McClelland, E. S., <i>et al.</i> (See Fisher, Nathan, assignor.)						
McClelland, George M. (See Taylor and McClelland.)						
McClelland, Robert H., Nathalia, Victoria, Australia. Contrivance for regulating the distribution or feed of grain, &c.	767,762	Aug. 16	3257	685	111	1800
McClellon, James M., Everett, Mass. Coal-handling apparatus	750,003	Jan. 19	2908	627 628 358	108	689
McClellon, James M., Everett, Mass. Locomotive-boiler	764,753	July 12	1757	359 360	111	400
McClellon, James M., Everett, Mass. Means for staying plates.	769,762	Sept. 13	1188	256	112	286
McClellon, James M., Everett, Mass. Boiler	771,657	Oct. 4	861	193	112	1143
McClellon, James M., Everett, Mass. Locomotive-boiler	774,773	Nov. 15	2416	520 521 661 662	113	576
McClellon, James M., Everett, Mass. Locomotive-boiler	775,115	Nov. 15	3118	113	736	
McClenahan, Jacob C., Wilmington, Del. Manufacturing stone	757,483	Apr. 19	2545	559	109	1915
McClenahan, Jacob C., Wilmington, Del. Composition for use in producing artificial stone	777,387	Dec. 13	1817		118	1845
McClenahan, William J., Philadelphia, Pa. Puttying-tool	775,069	Nov. 15	3062	650	113	723
McClintock, David L., Kansas City, Mo. Power-transmitting mechanism	751,540	Feb. 9	1386	316	108	1372
McClintock, Edward, Merriam Park, assignor of two-thirds to F. E. Butler and E. Mierke, St. Paul, Minn. Electric cab-signal	760,234	May 17	3302	693 694	110	777
McClintock, Walter, E. J. Krause, and D. S. Beebe, Beaver, assignors to Opalite Tile Company, Pittsburgh, Pa. Lecer	762,742	June 14	2237	486	110	1940
McClish, Earl D. (See Gage and McClish.)						
McClong, Thomas K. (See Drott, Charles G., assignor.)						
McCloskey, Alfred C., Philadelphia, Pa. Electrically-heated soldering-iron	757,670	Apr. 19	2096	688	109	3002
McCloskey, Edward P., Altoona, Pa. Skirt-drier	772,816	Oct. 18	3218	701	112	1691
McCloskey, Thomas J. (See Boucher and McCloskey.)						
McCloud, Edward H., assignor to Kinnear Manufacturing Company, Columbus, Ohio. Fireproof blind	754,002	Mar. 8	1567	350	109	362
McClung, Hugh C., New York, N. Y. Window-refrigerator	767,232	Aug. 9	2259	470 471	111	1559
McClure, Alexander W., Chicago, assignor to Globe Fixture & Furniture Company, Quincy, Ill. Sliding-door hanger	776,195	Nov. 29	5372	1137	113	1280
McClure, Charles W., Atlanta, Ga. Refrigerator attachment	750,057	Jan. 19	3050	654	108	712
McClure, Edward, assignor of one-half to F. P. Smith, Chicago, Ill. Elevator-door	749,395	Jan. 12	1732	367	108	412
McClure, Elmer P. (See Buchner and McClure.)						
McClure, James B. (See Vaughn, McClure, and Boynton.)						
McClure, John H. (See Beam, Jacob B., assignor.)						
McClure, John W., Detroit, Mich. Lubricator	771,882	Oct. 11	1323	298	112	1256
McClure, Richard E. (See Côté and McClure.)						
McCoach, John, <i>et al.</i> (See Peacock, Christopher, assignor.)						
McCobb, William P., assignor of one-fourth to J. Whitaker, Dorchester, Mass. Land-roller	771,497	Oct. 4	439	100	112	1050
McColl, Irving G., New York, N. Y. Flash-powder cartridge	774,333	Nov. 8	1546	331	113	865
McColl, Irving G., New York, N. Y. Flash-lamp	778,792	Dec. 27	4594	1008	113	2469
McColl, Irving G., New York, and M. Klaiber, Brooklyn, N. Y. Photographic flash-light apparatus	754,487	Mar. 15	2273	559	109	597
McCollor, Claud, Herman, Minn. Belt-removing device for threshing-engines	754,488	Mar. 15	2276	560	109	598
McCollum, Burton, Lawrence, Kans. Alternating-current motor	759,004	May 3	837	170	110	138
McCollum, James H. K., assignor of one-half to J. W. L. Forster, Toronto, Canada. Governor-valve for turbine-engines	754,489	Mar. 15	2277	560	109	599
McCollum, Joab L. (See Butler and McCollum.)						
McComas, Kenneth W. (See Keller, Ferrell, and McComas.)						
McComb, James, St. Charles, Mich., assignor of one-half to J. McComb, Saginaw, West Side, Mich. Flue-cleaner	765,248	July 19	2695	561	111	620
McComb, James, assignor of one-half to T. McPhail and J. Dimond, St. Charles, Mich. Nut-lock	765,247	July 19	2694	561	111	619
McComb, John. (See McComb, James, assignor.)						
McCombie, Alexander. (See Martin and McCombie.)						
McConaha, Walter. (See Snyder and McConaha.)						
McConechy, James, Glasgow, Scotland. Acetylene-gas generator	759,737	May 10	2321	483	110	541
McConnell, Hiram S., assignor to Sherwood Brothers Company, New Brighton, Pa. Jar-closure	762,060	June 7	898	185	110	1632
McConnell Asbestos & Covering Co. (See McConnell, John A., assignor.)						
McConnell, Cecelia M., Kenton, Ohio. Hat-fastening means	774,598	Nov. 8	2032	444	113	668
McConnell, George J. (See Vaughn, Charles C., assignor.)						
McConnell, John A., Allegheny, Pa. Apparatus for corrugating	775,495	Nov. 22	3957	836	113	950
McConnell, John A., Allegheny, Pa. Apparatus for molding plastic materials	775,542	Nov. 22	4081	859	113	976
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Making non-conducting coverings	775,494	Nov. 22	3953	835	113	949
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Pipe-covering and making same	775,537	Nov. 22	4049	853 854 855	113	970
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Apparatus for making non-conducting coverings	775,538	Nov. 22	4056	854 855 856	113	971
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Apparatus for making non-conducting coverings	775,539	Nov. 22	4065	856 857	113	973
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Apparatus for molding pipe-coverings	775,540	Nov. 22	4071	857 858	113	974
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Pipe-covering and making same	775,541	Nov. 22	4077	858 859	113	976
McConnell, John A., Allegheny, assignor to McConnell Asbestos & Covering Co., Pittsburgh, Pa. Apparatus for making non-conducting coverings	775,849	Nov. 22	4684	992	113	1106
McConnell, Struble. (See Lindsey, McConnell, and Hudson.)						
McConnell, William H., Covington, Va., assignor to Covington Machine Company. Coke-extractor	768,067	Aug. 23	3922	823 824	111	1964
McConvill, Edward C., Omaha, Nebr. Hay-loader	758,557	Apr. 26	4678	1009 1010	109	2404
McConway & Torley Company. (See Ruhoup, Harry C., assignor.)						
McConway & Torley Company. (See Wright, William, assignor.)						
McConway & Torley Company. (See Wright and Kelso, assignors.)						
McCool, Charles W., <i>et al.</i> (See Jacoby, John C., assignor.)						
McCord, Alvin C., Chicago, Ill. Car-bolster	753,289	Mar. 1	137	33	109	34
McCord, Alvin C., Chicago, Ill. Draft-rigging for cars	763,998	July 5	149	25, 26	111	38

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McCord, Andrew J., Chattanooga, Tenn. Fishing-cork	771,263	Oct. 4	87	18	112	980
McCord, Charles T. (See Ellis, Richard E., assignor.)						
McCord & Company. (See Denegre, Edward, assignor.)						
McCord, Joseph A., et al. (See Alexander, T. T., assignor.)						
McCormack, James, Chicago, Ill. Boiler-cleaning compound	750,682	Jan. 26	4205		108	979
McCormick, Charles, Chicago, Ill. Ophthalmoscope	758,002	Apr. 26	3758	817	109	2199
McCormick, Frank J., trustee. (See Lyon, Joseph, assignor.)						
McCormick Harvesting Machine Company. (See Johnston, Edward A., assignor.)						
McCormick Harvesting Machine Company. (See Macphail, James, assignor.)						
McCormick Harvesting Machine Company. (See Sharp, James A., assignor.)						
McCormick, Horace, assignor to Complete Book-Keeper Co., Des Moines, Iowa. Book-file	762,836	June 14	2451	528	110	1984
McCormick, James, et al. (See Harmany, Frederic, assignor.)						
McCormick, James B., et al. (See Harmany, Frederic, assignor.)						
McCormick, James H., Beartown, Mont. Crushing-machine	751,672	Feb. 9	1636	371	108	1425
McCormick, John F., near Churubusco, Ind. Device for chalking lines	754,157	Mar. 8	1854	413	109	426
McCormick, John F., Churubusco, Ind. Railway-switch-operating means	773,762	Nov. 1	433	95	113	102
McCormick, John F., Churubusco, Ind. Carpenter's gage for drafting rafters and braces	773,763	Nov. 1	435	96	113	103
McCormick, John H., Columbus, Ohio. Draw-gear and buffing apparatus	751,673	Feb. 9	1638	372	108	1425
McCormick, John H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	765,747	July 26	3711	792	111	848
McCormick, John L., Emden, Ill. Closure for mail-pouches	749,876	Jan. 19	2688	575	108	636
McCormick, Joseph A. (See Jackson, William G., assignor.)						
McCormick, Joseph A., assignor to J. J. Ryan and Company, Chicago, Ill. Soda arm or faucet	767,115	Aug. 9	3026	421	111	1511
McCormick, Patrick F., East Pittsburg, assignor of three-fourths to R. J. McCormick, S. Gallinger, Allegheny, and P. J. McMurphy, McKeesport, Pa. Car-wheel-grinding device	750,479	Jan. 26	3883	830	108	901
McCormick, Richard J., et al. (See McCormick, Patrick F., assignor.)						
McCormick, Theodore C., Patterson, Mo. Saving-machine	755,916	Mar. 29	5292	1168	109	1234
McCormick, Thomas E., Waynesburg, Ohio. Railway-tie	776,342	Nov. 29	5648	1197	113	1342
McCormick, William E., assignor to International Telephone Manufacturing Company, Chicago, Ill. Circuit-changer for telephone-switchboards	764,143	July 5	460	90	111	100
McCormack, Herbert, Westchester, Pa. Centrifugal separator	768,837	Aug. 9	1479	310	111	1389
McCourt, Newton W., and G. W. McAllister, Bradford, Pa. Druggist's label-holder	767,333	Aug. 9	2261	471	111	1560
McCowan, William A. (See Stadel, John M., assignor.)						
McCown, Frank A., G. Loundagin, and W. A. Williams, Walla Walla, Wash. Platform attachment for combined harvesters and threshers	759,738	May 10	2322	484	110	542
McCoy, Elmus M., Selma, La. Weed-destroying attachment for locomotives	753,608	Mar. 1	746	167	109	162
McCoy, Forrest. (See Temblett and McCoy.)						
McCoy, John A., Sisson, Cal. Shoe-lacing and fastening therefor	767,005	Aug. 9	1798	377	111	1460
McCoy, John W., Stafford, Kans. Portable grain-conveyer	776,611	Dec. 6	283	63	113	192
McCoy, Roland H., Monmouth, Ill. Furnace	771,166	Sept. 27	3912	825	112	928
McCray, Edward, and F. A. Wiser, Los Angeles, Cal. Drill and underreamer	773,962	Nov. 1	859	180	113	197
McCrea, James. (See Rowinsky, Alvin W., assignor.)						
McCreary, Frederick N., Erie, Pa. Baking-oven	768,675	Aug. 30	5233	1099	111	2274
McCreary, Willis P., Hastings, Neb. Car-ventilator	765,085	July 12	2302	479	111	518
McCrory, Henry, and G. J. Vogel, Pittsburg, Pa. Cabinet	770,093	Sept. 13	1798	379	112	423
McCroskey, Philip S., Logan, Kans. Cheese-cutting apparatus	757,335	Apr. 12	2249	490	109	1888
McCrossin, James, Fergus Falls, Minn. Buckle	771,385	Oct. 4	323	72	112	1039
McCue, John J., Jr., New York, N. Y. Apparatus for use in polishing cut glass	776,343	Nov. 29	5649	1197	113	1342
McCue, Patrick A., Toledo, Ohio. Bugle and support	773,963	Nov. 1	861	181	113	198
McCulley, James C., Eureka Springs, Ark. Washing-machine	761,532	May 31	5853	1255	110	1370
McCulloch, Finlay, Manchester, England. Pump-valve	773,764	Nov. 1	497	96	113	103
McCulloch, Fredrick L., Tampa, Fla. Nut-lock	752,098	Feb. 23	3640	810	108	1902
McCulloch, John A., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Pipe-joint	762,929	June 21	2625	569	110	2047
McCulloch, Thomas G., et al. (See O'Brien, Arthur, assignor.)						
McCullough, John L., Brooklyn, assignor to Automatic Target Machine Company, New York, N. Y. Target apparatus	764,367	July 5	949	191	111	211
McCullough, John L., assignor to Automatic Target Machine Company, New York, N. Y. Target apparatus	768,536	Aug. 23	4902	1027	111	2185
McCullough, Paul J., assignor of two-thirds to E. S. Marshall, St. Louis, Mo. Device for hanging and operating car-doors	776,928	Dec. 6	927	200	113	1631
McCullough, Phelam, T. Blaney, and R. Baron, Liverpool, England. Safety device for trolley-poles	757,630	Apr. 19	2862	624	109	1986
McCullough, Piercy B., Philadelphia, Pa. Dental bur	749,024	Jan. 12	2182	458	108	509
McCullough, Walter A. (See Hoening and McCullough.)						
McCullough, William L., assignor to Automatic Pie Machinery Co., Detroit, Mich. Pie-machine	762,649	June 14	2044	442	110	1901
McCullough, William O., et al. (See Croslen, William T., assignor.)						
McCune, Grant C., Chicago, Ill. Automatic force sight-feed pump for lubricators	758,460	Apr. 26	4490	965	109	2362
McCune, John A., Santa Cruz, Cal. Fruit-pitter	773,885	Nov. 1	704	148	113	161
McCurd, Wallace A., Forest Hill, assignor to E. C. Thrupp, Westminster, England. Motor-cycle stand	759,627	May 10	2120	435	110	497
McCurdy, Charles B., assignor to Peerless Electric Company, Warren, Ohio, F. C. Sutter and R. V. Bingay, Pittsburg, Pa. Transformer	752,405	Feb. 16	3061	680	108	1757
McCurdy, Hugh A., et al. (See Ball, Augustus W., assignor.)						
McCurdy, Oscar S., Wilksburg, Pa. Valve	752,850	Feb. 23	3922	879	108	1963
McCurdy, Oscar S., Wilksburg, Pa. Heating apparatus	769,318	Sept. 6	365	84	112	79
McCurdy, William O., Oakdale, La. Suspenders	755,524	Mar. 22	4487	997	109	1027
McCutchan, Algernon S., assignor of one-half to J. Yule, Oakland, Cal. Device for treating tegumentary tissues	751,194	Feb. 2	765	174	108	1221
McCutchen, Fred C., Holstein, and A. G. Spruth, Iowa City, Iowa. Nut-lock	771,167	Sept. 27	3913	825	112	928
McCutcheon, Joel N., et al. (See Ellison, Oliver E., assignor.)						
McDade, Charles W., Ceylon, Minn. Circular director	762,743	June 14	2239	486	110	1941
McDaniel, Charles W., Portsmouth, N. H., assignor of one-half to P. J. Lynch, Melrose, Mass. Automatic fire-extinguisher	768,676	Aug. 30	5234	1099	111	2274
McDannold, Alexander, St. Louis, Mo. Surgical chair	754,383	Mar. 8	2320	508	109	525
McDermott, Irvin E. (See McDermott and Rogers.)						
McDermott, James, Middletown, N. Y. Brush	774,689	Nov. 8	2198	480	113	504
McDermott, Joseph. (See Haycock and McDermott.)						
McDermott, Lewis M. and I. E., and C. C. Rogers, Wheeling, W. Va. Non-refillable bottle	762,487	June 14	1714	368	110	1829

Alphabetical list of patentees—Continued.

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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McDermott, Margaret, Chicago, Ill. Combined match-box, cigar cutter, and lighter	770,438	Sept. 20	2468	523	112	590
McDermott, Matthew. (See Carney, John, assignor.)						
McDermott, Michael J., Salubria, assignor to one-third to R. S. Wilkie, Dale, Idaho. Wrench	765,095	July 12	2426	504	111	542
McDevitt, William, assignor of two-thirds to W. Devereux and W. W. Hollingsworth, Philadelphia, Pa. Means for protecting live parts of electric switches or the like	757,830	Apr. 19	3241	703	109	2068
McDivitt, Edward L., Belviders, Ill. Pencil-sharpener	735,917	Mar. 29	5293	1168	109	1224
McDonald, Albert S., Trivoli, Ill. Log-carrier for mounted sawmills	761,597	June 7	150	29	110	1472
McDonald, Alexander, et al. (See Kendrick, George R., assignor.)						
McDonald, Andrew T. (See Schmidt and McDonald.)						
McDonald, Charles B., Chicago, Ill. Can-capping machine	759,300	May 10	1480	297	110	359
McDonald, Charles B., Chicago, Ill. Vacuum-machine for cans, &c	761,092	May 31	5035	1068	110	1190
McDonald, Charles B., Chicago, Ill. Machine for capping cans	761,093	May 31	5039	1069	110	1191
McDonald, Charles B., Chicago, Ill. Can-capping machine	774,195	Nov. 8	1289	274	113	309
McDonald, Charles B., Chicago, Ill. Can-capping machine	775,339	Nov. 22	3624	768	113	876
McDonald, Daniel, Bruce Mines, Canada. Digging and loading machine	754,592	Mar. 15	2769	603	109	638
McDonald, Donald, Louisville, Ky. Water-gas generator	763,313	June 21	3675	725	110	2206
McDonald, Edward, assignor to A. H. Vilas Company, Chicago, Ill. Burnishing-machine	767,653	Aug. 16	3073	642	111	1758
McDonald, Elijah D., assignor of one-fourth to L. D. Clark, Los Angeles, Cal. Self-oiling trolley-wheel	778,793	Dec. 27	4598	1004	113	2470
McDonald, Elizabeth, San Francisco, Cal. Combined box and wallet	775,285	Nov. 15	3509	739	113	831
McDonald, Henry F., Fontanet, Ind. Safety-catch for elevators	751,328	Feb. 2	1038	235	108	1279
McDonald, J. S. (See Hulquist, Andrew D., assignor.)						
McDonald, James T., Little Rock, Ark. Cotton-picker	756,394	Apr. 5	408	84, 85	109	1431
McDonald, Kenneth. (See Galway, John J., assignor.)						
McDonald, Michael E. (See Hewett, Arthur G., assignor.)						
McDonald, Norman A., Newaygo, Mich. Cabinet	755,688	Mar. 29	4808	1069	109	1112
McDonald, Norman A., Newaygo, Mich. Manifold-book	761,244	May 31	5323	1130	110	1252
McDonald, Peter, Harrison, N. J. Trolley-car sign	777,482	Dec. 13	1905	441	113	1884
McDonald, Samuel J., Gallatin, Mo. Wire harness for hay or other stacks	761,318	May 31	5477	1164	110	1284
McDonald, Simon J., assignor to W. H. Lewis, Detour, Mich. Hose-coupling	765,249	July 19	2697	561	111	620
McDonald, Thomas, and W. McKee, Youngstown, Ohio. Conveyor	754,229	Mar. 8	2801	444	109	457
McDonald, Thomas, and W. McKee, Youngstown, Ohio. Conveyor	771,438	Oct. 4	440	100	112	1051
McDonald, William C., Birdville, Pa. End-gate fastener	764,754	July 12	1763	360	111	401
McDonald, William H., Titusville, Pa. Portable tool or cement house	748,637	Jan. 5	164	39	108	37
McDonald, William L., Chicago, Ill. Receptacle for disinfectants	748,636	Jan. 5	163	39	108	36
McDonnell, George P. (See McDonnell and Miller.)						
McDonnell, George P., St. Louis, Mo. Case for electric-lamp bulbs	777,741	Dec. 20	2501	552	113	2008
McDonnell, George P., assignor of forty-nine per cent. to O. E. Plochman and R. F. Spencer, St. Louis, Mo. Circuit-interrupter	768,616	Aug. 30	5101	1072	111	2247
McDonnell, John F. (See Downs, John P., assignor.)						
McDonnell, Miles B., et al. (See Mellett, Lemuel, assignor.)						
McDonough, Edward F., assignor of one-half to W. A. Mannerback, Reading, Pa. Knife or fork cleaner	753,609	Mar. 1	747	167	109	162
McDonough, John P., St. Louis, Mo. Balanced valve for steam-engines	771,168	Sept. 27	3914	836	112	929
McDonough, William S., Ouray, assignor of one-half to T. H. Woods, Ouray county, Colo. Stamp-battery guide	755,325	Mar. 22	4488	997	109	1027
McDougall, Isaac S., Manchester, England. Apparatus for humidifying air	752,577	Feb. 16	3378	754	108	1827
McDougall, Isaac S., Manchester, England. Heating and ventilating buildings	773,968	Nov. 1	255	67	113	820
McDougall, James C., Virden, Canada. Grain-shocking attachment for binders	758,093	Apr. 26	3769	817	109	2601
McDowell, George, New York, N. Y. Window controller and lock	769,007	Aug. 30	5895	1236	111	2425
McDowell, John G., Pittsburg, Pa. Cleaning and coating pipes	753,610	Mar. 1	748	167	109	163
McDowell, John G., Pittsburg, Pa. Granulating slag	777,388	Dec. 13	1818	402	113	1845
McDowell, William P., Hartsel, Colo. Compound tool	772,574	Oct. 18	2759	607	112	1593
McElhenie, Thomas J., Montpelier, Ohio. Display-curtain holder and repository	766,373	Dec. 2	457	98	111	1141
McElroy, Cora P., Philadelphia, Pa. Water-closet seat	749,083	Jan. 5	1077	227	108	248
McElroy, George A., et al. (See McElroy, William, assignor.)						
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Current-director	751,991	Feb. 9	2288	511	108	1565
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Armature-winding	753,422	Mar. 1	383	89, 90	109	83
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Train-pipe terminating car heating system	758,369	Apr. 26	4106	888	109	2277
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Air-brake	768,537	Aug. 23	4905	1028	111	2186
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Air-brake	768,538	Aug. 23	4913	1029	111	2188
McElroy, James F., assignor to Consolidated Car Heating Company, Albany, N. Y. Hose-coupling	771,439	Oct. 4	441	100	112	1051
McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Dynamo for train-lighting	777,857	Dec. 20	2772	609	113	2062
McElroy, John H., Chicago, Ill. Locked-seam-can-body machine	775,340	Nov. 22	3626	768	113	876
McElroy, William, assignor of two-thirds to G. A. McElroy and G. H. Fraser, Brooklyn, N. Y. Fuse	761,094	May 31	5041	1069	110	1192
McElwain, James J., and E. A. Young, Allegheny, Pa. Drilling and automatic centering device	757,950	Apr. 19	3465	750	109	2119
McEntee, Ambv, South Presque Isle, Me. Steering-gear for wagons	750,215	Jan. 19	3325	718	108	770
McEvoy, Joseph H., Dallas, Tex. Sheet-metal roof-joint	749,943	Jan. 19	2851	604	108	667
McEwen, Ralph L., St. Louis, Mo. Automatic funnel	778,625	Dec. 27	4407	964	113	2428
McEwing, James P., Drayton, Canada. Traction-wheel	756,393	Apr. 5	410	85	109	1431
McEwing, Thomas, assignor to Western Wagon and Supply Company, Limited, Lansing, Mich. Blocking and cultivating machine	765,900	July 26	4005	855	111	912
McFadden, Frank, Vanatta, Ohio. Fire-alarm	755,689	Mar. 29	4044	1070	109	1544
McFadden, George, New York, N. Y. Support for striking-bags	755,689	Mar. 29	4044	1070	109	1512
McFadden, Origen A., Fairfield, Me. Machine for pulverizing land	769,446	Sept. 6	600	131	112	136

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McFadden, William H. (See Tracy, James F., assignor.)						
McFadzean, John, Del Norte, Colo. Stovepipe-holder for tents	766,374	Aug. 2	459	98	111	1141
McFall, William H., Philadelphia, Pa. Pencil-sharpener	760,749	May 24	4328	919	110	1020
McFarlan, George S., et al. (See Mead and Mackie, assignors.)						
McFarlan, Walter S. (See Dean, William W., assignor.)						
McFarland, Hays, et al. (See Eddleman, Dudley E., assignor.)						
McFarland, James D., Jr., Fruitvale, assignor of one-half to J. Bruckman, San Francisco, Cal. Air-ship	764,198	July 5	592	117 118	111	131
McFarland, Katherine H., Chicago, Ill. Corset attachment	759,542	May 10	1950	399	110	462
McFarland, Thomas W., Chicago, Ill. Machine for drying paper-board	753,904	Mar. 8	1877	311	109	818
McFarland, Thomas W., Chicago, Ill. Machine for making paper-board	766,461	Aug. 2	630	133 134	111	1177
McFarland, Thomas W., Chicago, Ill. Means for producing vehicle-top members of plastic material or paper	766,462	Aug. 2	633	135	111	1178
McFarland, Thomas W., Chicago, Ill. Means for drying paper-board, &c	770,772	Sept. 37	3112	660 661	112	752
McFarland, Thomas W., Jackson, Mo. Kraut-dispensing barrel	757,951	Apr. 19	3467	750	109	2119
McFarland, Wesley. (See Schafer, Erwin D., assignor.)						
McFarland, William E. (See Moors, George F., assignor.)						
McFarlane, James, Allegheny, Pa. Cable-clip	734,884	Mar. 15	3334	729	109	763
McFarlane, John, assignor of one-half to G. E. Truett, Washington, D. C. Burner	768,816	Aug. 30	5501	1157	111	2333
McFeaters, Frank R. (See Christmas, Adolph F., assignor.)						
McFell, Judson, Chicago, Ill. Electric signal-light for railway-switches	769,486	Sept. 6	693	149	112	158
McFeron, Hiram, Burnsville, Ind. Fence-post	749,944	Jan. 19	2832	605	108	667
McFerran, William J., Kampeska, S. D. Sight for oil-receptacles	773,154	Oct. 25	4054	860	112	1901
McFetries, John, Springfield, Mass. Bearing-support for loom-lays	769,487	Sept. 6	695	149	112	159
McFie, John H. (See Donaldson and McGarvey, assignors.)						
McGarvey, John. (See Obolsens, Nicholas, assignor.)						
McGary, Alexander, Lagrange, Ill. Automatic electric regulator	776,144	Nov. 29	5274	1115	113	1258
McGaw and Gray. (See Gray, David G., assignor.)						
McGee, George, assignor of one-third to H. G. Pollock, Madison, Ind. Pocket-plug for plug-tables	767,309	Aug. 9	2386	499	111	1527
McGee, John B., Salt Lake City, Utah. Constructing smelting-furnaces	759,665	Sept. 6	996	216	112	287
McGee, Joseph A., Big Spring, Ind. Reversible explosive-engine	756,687	Apr. 5	941	206 207	109	1544
McGee, Joseph A., Big Spring, Ind. Carburetor for gasoline-engines	772,530	Oct. 18	2667	586	112	1572
McGee, Walter, Paisley, and A. Donald, Glasgow, Scotland. Loom for weaving wire-cloth	761,984	June 7	730	149	110	1508
McGee, Willford J. (See Jewell and McGee.)						
McGehee, Abner J., Jackson, Tenn. Sash-lock	758,679	May 3	146	31	110	36
McGehee, Lucius M., assignor of two-thirds to J. L. Clements and W. Brown, San Antonio, Tex. Rod-coupling	762,245	June 7	1195	257	110	1699
McGeis, Ignatius J., et al. (See Brady, John M., assignor.)						
McGeorge, John. (See Webber and McGeorge.)						
McGeorge, Percy A., West Hoboken, N. J., assignor of one-half to W. McGeorge, Jr., Philadelphia, Pa. Electrical conductor	759,119	May 3	1052	214	110	239
McGeorge, Percy A., West Hoboken, N. J., assignor of one-half to W. McGeorge, Jr., Philadelphia, Pa. Electric inductive conductor	750,120	May 3	1053	214	110	239
McGeorge, William, Jr. (See McGeorge, Percy A., assignor.)						
McGhee, John W., assignor of one-half to J. Guy, Arkansas City, Kans. Automatic closure for elevator-hatchways	760,139	May 17	3125	654 655	110	738
McGhie, William, Liveoak, Fla. Saw-set	760,078	May 17	2988	625	110	708
McGibbeny, Harry W., Findleyville, Pa. Hose-coupling	762,339	June 14	1405	304	110	1764
McGill, Albert E., Chicago, Ill. Perambulator	771,386	Oct. 4	324	72	112	1029
McGill, George G., Decatur, Ind. Saw	770,094	Sept. 13	1800	379	112	423
McGill, George W., Riverdale-on-Hudson, N. Y. Pin-hook	749,084	Jan. 5	1078	228	108	248
McGill, George W., Riverdale-on-Hudson, N. Y. Spring-clip	753,611	Mar. 1	749	167	109	163
McGill, George W., Riverdale-on-Hudson, N. Y. Combined button and button-fastening	753,612	Mar. 1	751	168	109	163
McGill, George W., Riverdale-on-Hudson, N. Y. Spring-clip	753,613	Mar. 1	752	168	109	163
McGill, George W., Riverdale-on-Hudson, N. Y. Spring-clip	753,614	Mar. 1	755	168	109	164
McGill, Henry A. (See Woods, Charles G., assignor.)						
McGill, Joshua D., Vanwert, Ohio. Railway-track securer	756,267	Apr. 5	148	31	109	1375
McGinley, James B., Allegheny, Pa. Electrical conduit	770,303	Sept. 20	2329	467	112	540
McGinness, Joseph E., Pittsburgh, Pa. Horizontally-pivoted window	760,140	May 17	3129	655	110	738
McGinness, Joseph E., Pittsburgh, Pa. Vertically-pivoted window	764,955	July 12	2170	450	111	492
McGinnitey, John F. (See Callery and McGinnitey.)						
McGinty, Bernard, Doylestown, Pa. Gripper for printing-presses	776,792	Dec. 6	656	144	113	1571
McGinty, Bernard, Doylestown, Pa. Printing-press	776,793	Dec. 6	657	145	113	1571
McGinty, John H., assignor of one-half to W. J. Holway, Mansfield, Ohio. Oil-can spout	764,537	July 5	1310	266	111	287
McGirr, Joseph B. (See McGirr, Theodore G. and J. B.)						
McGirr, Theodore G., and J. B. Ferguson, assignors to American Wrapping and Box Machine Company, New York, N. Y. Machine for applying wrappers to cakes of soap, or other articles	763,999	July 5	153	26 27 28	111	39
McGirr, Theodore G., New York, and J. B. McGirr, Brooklyn; said Theodore G. McGirr assignor to American Wrapping and Box Machine Company, New York, N. Y. Paper-feeding device	757,484	Apr. 19	2547	560	109	1915
McGlashan, John, Cawnpore, India. Making sugar	751,990	Feb. 9	2286	108	108	1565
McGlashan, John S., et al. (See Cook, Ort, assignor.)						
McGlashan, Joseph R., et al. (See Cook, Ort, assignor.)						
McLaughlin, William G., et al. (See Piper, William E. A., assignor.)						
McGloin, Felix, New York, N. Y. Alarm system	759,464	May 10	1797	363	110	427
McGloin, Felix, Brooklyn, N. Y. Alarm-system apparatus	764,199	July 5	595	118	111	132
McGonagle, Arthur, East Orange, N. J. Air-valve	753,000	Feb. 23	4417	982	108	2076
McGonagle, Arthur, East Orange, N. J., assignor to Starrett Cotton Gin Company, New York, N. Y. Cotton-gin	759,390	May 10	1668	337	110	398
McGovern, Bernard, assignor to McGovern Tire Setter Company, Cincinnati, Ohio. Compressing-machine	771,921	Oct. 11	1408	319 320	112	1274
McGovern Tire Setter Company. (See McGovern, Bernard, assignor.)						
McGowan, Frank H., Chicago, Ill. Telescopic grip	764,144	July 5	463	91	111	100
McGowan, Mont M., assignor of one-half to E. Colquhoun, Grand Rapids, Mich. Skirt-gage	756,043	Mar. 29	5523	1218	109	1274
McGowan, Patrick T., Avoca, Pa. Third rail for electric railways	757,138	Apr. 12	1854	405	109	1754
McGowan, William A., Cathlamet, Wash. Globe-valve	762,949	June 7	483	97	110	1547
McGowan, William L., Philadelphia, Pa. Underground-conduit joint	766,965	Aug. 9	1727	362	111	1445
McGown, Clark E., New York, N. Y., assignor to Scott Paper Company. Toilet-paper-serving fixture	765,588	July 19	3372	710	111	764

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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McGrane, James, Romulus, N. Y. Threshing-machine.	759,391	May 10	1670	398	110	398
McGrath, Andrew F., New York, N. Y. Tent	748,974	Jan. 5	883	176	108	193
McGrath, John J., New York, N. Y. Compound tool	758,928	May 8	699	140	110	163
McGrath, John T., Port Huron, Mich. Motor	737,485	Apr. 19	2550	560	109	1916
McGrath, Patrick C., Glens Falls, N. Y. Suction apparatus for paper-machines	762,491	June 14	1590	347	110	1808
McGrath, Patrick H., Wollaston, Mass. Partition for drawers, boxes, &c.	764,856	July 12	2172	450	111	492
McGrath, Peter, Hibbing, Minn. Non-refillable bottle	770,095	Sept. 13	1801	380	112	423
McGraw, Albert P., McGraw, N. Y. Corset	767,006	Aug. 9	1799	377	111	1460
McGraw, William T. (See Watson and McGraw.)						
McGregor, Allan L., Duluth, Minn. Car-coupling	756,268	Apr. 5	149	81	109	1375
McGregor Automatic Boiler Feed Company. (See Roadhouse, Norman F., assignor.)						
McGregor, Robert B., Crews, Miss. Revetment	763,508	June 28	3750	809	110	2315
McGuigan, Thomas A. (See Noy and McGuigan.)						
McGuinness, Benjamin F., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shedding mechanism for looms	752,352	Feb. 16	2954	657 658	108	1735
McGuinness, Benjamin F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom-shuttle check	763,107	June 21	2952	686	110	2119
McGuinness, Benjamin F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Welt-tension means for looms	766,511	Aug. 2	752	157	111	1204
McGuinness, George T., San Francisco, Cal. Laced shoe	760,472	May 24	3749	794	110	894
McGuire, Antoine A. H. B. C. et al., executors. (See McGuire, William A.)						
McGuire, Elwood W., Richmond, Ind. Electric railway-signal	759,543	May 10	1951	399	110	462
McGuire, John, St. Louis, Mo. Car-fender	771,922	Oct. 11	1411	330	112	1274
McGuire, John F. (See Petersen, Ludwig T., assignor.)						
McGuire, John F., et al., executors. (See McGuire, William A.)						
McGuire, Patrick J., San Jose, Cal. Holder	773,964	Nov. 1	862	181	113	198
McGuire, Peter J., Blairsville, Pa. Wall structure	754,384	Mar. 8	2327	509	109	523
McGuire, Peter J., Blairsville, Pa. Building-tile	778,598	Dec. 27	4241	923	113	2300
McGuire, William A. (See Lippert, William C., assignor.)						
McGuire, William A., deceased, Chicago, Ill.; A. A. H. B. C. and J. F. McGuire, executors.	763,092	June 28	3052	860	110	2358
McGuirk, Charles A., Jr., and C. P., Sr., West Hoboken, N. J. Wheeled truck	770,773	Sept. 27	3115	661	112	733
McGuirk, Charles P., Sr. (See McGuirk, Charles A., Jr., and C. P., Sr.)						
McGuirk, Joseph J., Albany, N. Y. Unalterable duplex ticket	752,296	Feb. 16	2848	632	108	1711
McGuirk, Joseph J., Albany, N. Y. Ticket-holding device	753,514	Mar. 1	566	130	109	123
McHaffie, William, Tenafly, and G. D. Beinert, Jersey City, N. J. Power-transmitting mechanism	776,752	Dec. 6	578	126	113	1554
McHale, Martin. (See McKeown, James G., assignor.)						
McIlhenny, Edward A., New Iberia, La. Sprinkler-cap bottle-closure	757,216	Apr. 12	1998	435	109	1786
McIlvaine, Robert W., Hamilton, Canada. Trolley-hanger	776,835	Dec. 6	136	32	113	1455
McIlwaine-Richards Company. (See Simcox, Thomas W., assignor.)						
McIndoe, George F. and J. W., Boston, assignors of one-third to A. E. Whitney, Winchester, Mass. Producing intaglio printing-forms on cylindrical surfaces	753,290	Mar. 1	138		109	34
McIndoe, George F. and J. W., Boston, assignors to A. E. Whitney, Winchester, Mass. Producing intaglio printing-forms on cylindrical surfaces	753,291	Mar. 1	140		109	34
McIndoe, James W. (See McIndoe, George F. and J. W.)						
McIndoe, James W., Boston, Mass. Making intaglio printing and embossing surfaces	777,649	Dec. 13	2325	113	113	1953
McIntire, Edward F., Fryeburg, Me. Traction-engine	764,616	July 12	1482	302 303	111	341
McIntire, F. N., et al. (See Connell, William J., assignor.)						
McIntire, Hervey H., South Bend, Ind. Photographic-printing machine	754,063	Mar. 8	1718	382	109	394
McIntire, Hervey H., South Bend, Ind. Photographic-printing apparatus	768,227	Sept. 6	169	41	112	37
McIntire, Mathilde S., Washington, D. C. Hair-waver	762,246	June 7	1196	257	110	1699
McIntire, Merton P., Lakeside, Wash. Cigar-cutter and match-ejector	761,897	June 7	577	115	110	1568
McIntire, Walter E., Boston, Mass. Packing for plungers	756,880	Apr. 12	1322	295	109	1640
McIntosh, Angus A., Escanaba, Mich. Car-stake cap	770,096	Sept. 13	1808	380	112	424
McIntosh Battery & Optical Co. (See Hogan, George B., assignor.)						
McIntosh, Benjamin F., Boston, Mass. Pipe and tobacco box	772,627	Oct. 18	2852	626	112	1612
McIntosh, John, Alexandria, Canada. Carriage-pole	753,423	Mar. 1	387	90	109	84
McIntosh, Thomas M., assignor of one-half to R. G. Murphy, Flanagan, Ill. Folding egg-case	778,758	Dec. 27	4525	990 991	113	2453
McIntosh, William M., assignor of one-half to C. H. Jackson, Denver, Colo. Car-seal	770,774	Sept. 27	3117	661	112	753
McIntyre, David, assignor to himself, J. G. Hacking, G. G. Epstean, and L. C. McBride, Detroit, Mich. Hydraulic motor	749,625	Jan. 12	2183	459	108	509
McIntyre, Edward F., assignor of one-half to O. Roslund, St. Paul, Minn. Oar-lock	758,270	Apr. 26	4107	888	109	2277
McIntyre, Jeanie M., Jersey City, N. J. Powder-container	754,230	Mar. 8	2002	445	109	457
McIntyre, John J., and H. Bagshaw, Hartford, Conn. Hose-binder	768,188	Aug. 23	4202	883	111	2026
McIntyre, John J. and H. Bagshaw, Hartford, Conn. Hose-binder	773,965	Nov. 1	863	181	113	198
McIntyre, Kenneth H., Carl, N. C. Speed-clock	768,394	Aug. 23	4639	971	111	2130
McIntyre, Miles, Canyonville, Oreg. Gear-wheel	767,825	Aug. 16	3404	718	111	1890
McIver, David, Carthage, N. C. Platform for stoves	769,871	Sept. 13	1401	299	112	385
McJunkin, Joseph L., Birmingham, Ala. Steam-valve	756,988	Apr. 5	945	208	109	1544
McKaig, Archibald, Sr. (See Emig and McKaig.)						
McKaig, Harry L., Allegheny, Pa. Machine for manufacturing artificial flowers, vines, &c.	754,064	Mar. 8	1719	383	109	395
McKaig, Harry L., Allegheny, Pa. Machine for manufacturing artificial flowers, vines, &c.	775,985	Nov. 29	4781	1051	113	1189
McKay, Alexander, and M. Moss, Montreal, Canada; said Moss assignor to said McKay. Clam-shell hoisting-bucket	771,440	Oct. 4	443	101	112	1051
McKay, Augusta P., Zenith, Ga. Disk cultivator	770,919	Sept. 27	3411	719	112	818
McKay, Charles B., New York, N. Y. Amusement device	778,325	Dec. 27	3690	805 806	113	2271
McKay, Charles R., Cincinnati, Ohio, assignor to General Electric Company. Means for regulating dynamo-electric machines	762,744	June 14	2240	497	110	1041
McKay, David J. (See McKay, John F. and D. J.)						
McKay, Gordon, Newport, R. I., and W. O. Hildreth, Lawrence, Mass. Centrifugal pump	755,600	Mar. 29	4905	1070	109	1112
McKay, John, Cape Town, Cape Colony. Foot-ball valve and connected parts	751,402	Feb. 2	1156	263	108	1308
McKay, John F. and D. J., Bowie, La. Tension-regulator for overhead cables	757,952	Apr. 19	3469	751	109	2119
McKeag, Charles E. (See Renshaw, Joseph H., assignor.)						
McKean, James A. (See Long, Linville V., assignor.)						
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Controlled shipping device	753,724	Mar. 1	979	222	109	211
McKechney, Harry E., Rochester, N. Y. Nozzle for hose	772,910	Oct. 18	3414	740 741	112	1736
McKechnie, Harper, North Seattle, Wash. Rule-gage	765,506	July 19	3227	675	111	734

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McKee, Arthur G., Cleveland, Ohio. Means for separating non-gaseous material from a mixture thereof with gaseous material.	774,851	Nov. 15	2579	554	113	699
McKee, Clarence W., El Paso, Tex. Weighing-scale.	762,187	June 7	1087	330	110	1675
McKee, James D., Conway Springs, Kans. Adjustable suspension-rack.	774,968	Nov. 15	2801	600	113	661
McKee, John S., Pittsburg, Pa. Spring-clip.	761,533	May 31	5854	1255	110	1370
McKee, Joseph, Jr. (See Wenz and McKee.)						
McKee, Milton A., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Even- ing the faces of stereotype or electrolyte plates to render them capable of producing uniform impressions.	760,235	May 17	3308	694 695	110	779
McKee, Robert A., Pittsburg, Pa., assignor to Westinghouse Machine Company. Throt- tie-valve.	757,486	Apr. 19	2552	560	109	1916
McKee, Robert M. (See Howard and McKee.)						
McKee, Robert S., et al. (See Balsey, Charles H., assignor.)						
McKee, Thomas M., Greenfield, Ind. Convertible table-desk.	749,699	Jan. 12	2394	493	108	541
McKee, William A., Hinckley, N. Y. Feed-water heater.	752,994	Feb. 23	4240	944 945	108	2036
McKee, Willis. (See McDonald and McKee.)						
McKeel & Company, George A. (See McKeel, George A., assignor.)						
McKeel, George A., assignor to George A. McKeel & Company, Limited, Jackson, Mich. Metal-covered vehicle-hub.	754,490	Mar. 15	2579	560	109	599
McKeel, George A., Jackson, Mich., assignor to G. A. McKeel & Co., Ltd. Vehicle-hub casing.	756,044	Mar. 29	5524	1218	109	1274
McKeel, George A., assignor to G. A. McKeel & Company, Limited, Jackson, Mich. Dust and cap for vehicle-hubs.	771,740	Oct. 4	1004	224	112	1173
McKeel, George A., Jackson, Mich., assignor to George A. McKeel & Co., Ltd. Handle for tools.	772,738	Oct. 18	3088	673	112	1663
McKeel, Helen J., Chicago, Ill. Composition for transferring pictures.	759,301	May 10	1482		110	359
McKeen, Thomas L., Easton, Pa. Friction draft-gear for railway-cars.	754,593	Mar. 15	2771	604	109	638
McKeen, Thomas L., Easton, Pa. Friction draft-gear for railway-cars.	754,594	Mar. 15	2773	604	109	639
McKeesport Plate Company. (See Russell, George, assignor.)	761,594	May 31	5856	1256	110	1371
McKeever, Neal A. (See Berkey and McKeever.)						
McKellan, James, Naugatuck, Conn. Combined ironing-board and step-ladder.	778,503	Dec. 27	4060	885	113	2351
McKelvey Concrete Machinery Company. (See McKelvey, Samuel P., assignor.)						
McKelvey, Hugh, et al. (See Olmo, Jonathan B., assignor.)						
McKelvey, Samuel P., assignor to McKelvey Concrete Machinery Company, Chicago, Ill. Rotary feeding device for concrete-mixers.	751,541	Feb. 9	1390	316 317	108	1372
McKendrick, Alexander. (See Beattie and McKendrick.)						
McKenna, Alexander G. (See Wheeler and McKenna.)						
McKenna, William H., Pittsburg, Pa. Rotary metal-cutting tool.	764,145	July 5	465	91	111	101
McKenzie, Andrew, Providence, R. I. Pressing board.	751,674	Feb. 9	1640	372	108	1425
McKenzie, Angus, assignor to Berger Manufacturing Company, Canton, Ohio. Cabinet.	778,696	Dec. 27	4409	965	113	2428
McKenzie, Burt, assignor of one-half to G. J. Sass, Detroit, Mich. Horseshoe-calk.	763,069	June 21	2882	623	110	2104
McKenzie, Donald, Dunedin, New Zealand. Finger-guide for penholders or the like.	751,542	Feb. 9	1391	317	108	1372
McKenzie, Douglas J., Chicago, Ill. Furnace.	754,732	Mar. 15	3161	638	109	725
McKenzie, Douglas J., Chicago, Ill. Fire-arch for furnaces.	766,966	Aug. 9	1729	369	111	1445
McKenzie, James S., Kline, S. C. Pole or shaft for vehicles.	758,578	Feb. 16	3379	754	108	1828
McKenzie, Joseph A., Brooklyn, N. Y. Game apparatus.	759,186	May 3	1183	240	110	268
McKenzie, William C. (See Howell and McKenzie.)						
McKeown, James G., assignor of one-half to M. McHale, Phoenix, Canada. Stub-switch for railways.	769,107	Aug. 30	6092	1274	111	2467
McKerahan, Charles A., Wilmerding, Pa. Car-coupling.	776,929	Dec. 6	932	200 201	113	1632
McKerchar, John, and R. Beveridge, Edinburgh, Scotland. Type-writing machine.	761,245	May 31	5324	1131	110	1252
McKercher, George, Jackson, Mich. Pipe-wrench.	758,735	Mar. 1	981	222	109	211
McKercher, George, assignor to McKercher Wrench & Tool Company, Jackson, Mich. Wrench.	771,169	Sept. 27	3916	826	112	929
McKercher Wrench & Tool Company. (See McKercher, George, assignor.)						
McKibbin, Alexander. (See Reade, Crawford, and McKibbin.)						
McKibbin, George N. (See Thompson, William R., assignor.)						
McKiel, James. (See Saling and McKiel.)						
McKiel, James B. (See Saling and McKiel.)						
McKiel, James B., Marshall, Tex. Car-brake.	764,617	July 12	1483	308	111	341
McKinley, Judson, Syracuse, N. Y. Hose-repairing lining.	768,477	Aug. 23	4793	1004	111	2162
McKinley, Marquis, Clayville, Ky. Wrench.	750,994	Feb. 2	394	94	108	1145
McKinley, William B., Prichard, Ala. Plow or cultivator.	748,774	Jan. 5	405	93	108	90
McKinney, Charles W., East Butte, Mont. Tobacco-pipe.	763,504	June 28	3751	809	110	2315
McKinney, Jesse T. (See Ellis, Edward G., assignor.)						
McKinney, Robert, Hays borough, assignor of one-half to T. M. Gibbs, Cannonsburg, Pa. Bit for coal-mining machines.	753,203	Feb. 23	4617	1029	108	2121
McKinney, Walter L., Chicago, Ill. Tripod.	769,447	Sept. 6	601	131	112	196
McKinney, Walter S., Chicago, Ill. Engine.	768,068	Aug. 23	3227	824	111	1966
McKinnon, John, Prescott, Ariz. Terr. Automatic bucket-dumping device.	768,371	Apr. 26	4108	889	109	2277
McKinsey, Noble S., and A. R. Nelson, Susanville, Cal. Telephone selective system.	755,691	Mar. 29	4809	1070 1071	109	1113
McKinsey, Noble S., and A. R. Nelson, Susanville, Cal. Self-closing telegraph-key.	776,536	Dec. 6	139	32	113	1456
McKnight, John A., assignor to W. M. Keschl and G. A. Meyer, Duluth, Minn. Ankle-joint.	750,884	Feb. 2	203	46	108	1102
McKnight, John W., assignor of one-fourth to W. F. Kintzing, Hanover, Pa. Regenera- tive gas-burner.	754,595	Mar. 15	2775	604	109	639
McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Wheeled scraper.	773,092	Oct. 25	3857	823	112	1853
McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-wagon.	773,093	Oct. 25	3858	824	112	1854
McKown, Robert D. (See Talley, George W., assignor.)						
McKune, John, et al. (See Shupe, Eli, assignor.)						
McLachlan, William B., Bemidji, Minn. Variable-speed gearing.	765,630	July 19	3448	727	111	781
McLain, Lewis R., and R. H., Cleveland, Ohio. Journal-box.	761,246	May 31	5325	1131	110	1252
McLain, Roy H. (See McLain, Lewis R., and R. H.)						
McLane, James A. (See Jarry, Henry J., assignor.)						
McLaren, Alexander, Fort Worth, Tex. Lemon-squeezer.	752,579	Feb. 16	3381	754	108	1828
McLarty, Farquhar M., Greenock, Scotland. Means and apparatus for use in cutting or dressing or polishing stone or other material.	775,455	Nov. 22	3883	820	113	934
McLarty, John, Seattle, Wash. Attachment for bicycles.	750,480	Jan. 26	3824	830	108	901
McLaughlin, Clarence G., and H. H., Columbus, Ohio. Lawn-swing.	753,726	Mar. 1	982	223	109	212

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McLaughlin, David, Duluth, Minn. Supporting and releasing means for load-retaining stakes	763,314	June 21	3348	726	110	2207
McLaughlin, George A., Pittsburg, Pa. Roller-coaster	757,487	Apr. 19	2555	560 561	109	1916
McLaughlin, Harold H. (See McLaughlin, Clarence G. and H. H.)						
McLaughlin, James R., Canandaigua, N. Y. Sheet-metal vessel	749,319	Jan. 12	1575	333	108	379
McLaughlin, John B., Bloomington, Ill. Vashub	749,575	Jan. 12	2101	438	108	492
McLaughlin, John C., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Paper-edge guide for type-writing machines	752,094	Feb. 16	2457	549	108	1622
McLaughlin, Mary, assignor of one-half to A. H. Cassel, Philadelphia, Pa. Sad-iron	757,139	Apr. 12	1854	405	109	1754
McLaughlin, Milton P., Wakefield, Mass. Hose-clamp	751,329	Feb. 2	1039	236	108	1279
McLaughlin, Neal, Jethro, Ark. Scraper and shovel-plow	772,367	Oct. 18	2346	515	112	1503
McLaughlin, William. (See Hallas and McLaughlin.)						
McLaury, Willis C., Harpersfield, N. Y. Overalls	756,396	Apr. 5	412	86	109	1432
McLean, Albert E., Toronto, Canada. Car-fender	755,788	Mar. 29	5032	1118	109	1163
McLean, Andrew, Passaic, N. J. Tenting-machine	763,415	June 28	3004	777	110	2283
McLean, Andrew, Passaic, N. J. Tenting-machine	763,415	June 28	3006	777	110	2284
McLean, C. B. (See Geltz and Hosack, assignors.)						
McLean, C. B. (See Geltz and Hosack, assignors.) (Reissue.)						
McLean, Donald W., Methven, New Zealand. Gear for belt-driving motor cycles or cars.	769,269	Sept. 6	262	61	112	57
McLean, Duncan J., Bridgeburg, Canada. Package-fastener	753,727	Mar. 1	984	223	109	212
McLean, John. (See Stern and McLean.)						
McLean, John, Newark, N. J. Snap-button	777,043	Dec. 6	1168	255	113	1687
McLean, John, Welyyn, assignor of one-half to A. E. Christie, Moosomin, Canada. Scrub-hook	761,850	June 7	484	98	110	1548
McLean, John, assignor to Whitehead & Hoag Company, Newark, N. J. Watch-charm	769,912	Sept. 13	1471	315	112	349
McLean, John F. (See Holland and McLean.)						
McLean, John H., Vancouver, Canada. Saw-teeth	775,012	Nov. 15	2901	620	113	685
McLean, John J., Moose Jaw, Canada. Windmill	766,648	Aug. 2	1037	217 218	111	1271
McLean, Samuel E., Melbourne, Victoria, Australia. Railway-rail and fish-plates therefor	770,439	Sept. 20	2469	523	112	591
McLean, Warren L., Yonge Mills, Canada. Steam-engine for curd-cutting machines	749,742	Jan. 19	2443	320	108	381
McLeod, Alexander M., I. Quincy, Mass. Rubber for surfacing stone, marble, &c.	772,935	Oct. 25	3308	759	112	1774
McLeod, Andrew, Arch Hill, near Auckland, New Zealand. Burner	765,985	July 26	4171	890	111	948
McLeod, Angus and J. H., Marietta, Kans. Packaging-machine	774,774	Nov. 15	2420	521	113	577
McLeod, Angus and J. H., Marietta, Kans. Automatic packaging-machine	778,759	Dec. 27	4526	991 992	113	2454
McLeod, Charles. (See Jones, McLeod, and Hunt.)						
McLeod, George W., Tacoma, Wash. Paring-knife	759,005	May 3	839	171	110	193
McLeod, Harvey S. (See Foote, John H., assignor.)						
McLeod, John H. (See McLeod, Angus and J. H.)						
McLeod, Kenneth K., Sparta, Wis. Cream-separator	764,439	July 5	1177	240	111	359
McLeod, Michael, Ison, Ga. Fertilizer-distributor	775,160	Mar. 22	3819	844	109	387
McLeod, William H., Kansas City, Mo. Combination-tool	770,380	Sept. 20	2374	500	112	571
McLeran, Alvord M., Kansas City, Mo. Combination wire-working tool	777,126	Dec. 13	1330	294	113	1738
McLeran, Alvord M., Kansas City, Mo. Wire-working tool	777,350	Dec. 13	1473	387	113	1828
McLewee, William S., Yardley, Pa., assignor to Trenton Construction Company. Regenerative gas-lamp	771,387	Oct. 4	327	73	112	1030
McLewee, William S., Yardley, Pa., assignor to Trenton Construction Company. Gas lamp and heater	772,249	Oct. 11	2106	460	112	1428
McLoughlin, Maurice F., Kalamazoo, Mich. Rake	767,430	Aug. 16	2604	548	111	1652
McLure, Charles D., et al. (See Klein, John, assignor.)						
McLure, Charles D. (See Klein and McLure.)						
McLynn, George F., Cottagegrove, Oreg. Split pulley	772,739	Oct. 18	3089	673	112	1663
McMahan, Eddie E. (See Wright and McMahan.)						
McMahan, Michael, Toledo, Ohio. Roll-paper holder and cutter	764,200	July 5	598	119	111	133
McMahon, Daniel J., Taunton, Mass. Wire-drawing machine	757,671	Apr. 19	2938	638	109	2003
McMahon, Edward F., Worcester, Mass. Friction-clutch	764,146	July 5	465	91	111	101
McMahon, John J. (See Hubbard, Orril L., assignor.)						
McMahon, Johnston. (See Young and McMahon.)						
McMahon, Joseph P., assignor of one-half to J. F. Fromm, Rochester, N. Y. Nut-lock	756,269	Apr. 5	150	31	109	1375
McMahon, William, Rahway, N. J. Dumping-receptacle	770,097	Sept. 13	1803	380	112	424
McManigal, Robert D., Logan, Ohio. Furnace	764,755	July 12	1764	360	111	401
McManus, Charles E., Philadelphia, Pa. Bottle-stopper	762,745	June 14	2241	487	110	1941
McManus, Charles E., Philadelphia, Pa., assignor of forty-nine one-hundredths to F. Wurtz, New York, N. Y., and J. T. Stiles, Philadelphia, Pa. Bottle-closure or the like	772,250	Oct. 11	2107	461	112	1498
McManus, John A., Philadelphia, Pa. Device for loading or unloading trains of cars	763,779	June 28	4217	930	110	2427
McManus, Rose S. (See Oschger, Charles E., assignor.)						
McManus, Thomas W., New York, N. Y. Feeding bag	771,741	Oct. 4	1006	225	112	1174
McMaster, Daniel D. (See McMaster, John and D. D.)						
McMaster, John and D. D., Seattle, Wash. Machine for shaping saw-teeth	769,008	Aug. 30	5897	1236	111	2426
McMasters, Robert B., Marathon, N. Y. Glove	750,683	Jan. 26	4206	912	108	979
McMenamin, Peter, Jersey City, N. J. Bottle-stopper and fastener	768,169	Aug. 23	4205	884	111	2027
McMichael & Wildman, Manufacturing Company. (See Folsom, Henry W., assignor.)						
McMillan, Arthur H., Chicago, Ill. Coin-controlled vending-machine	764,818	July 12	1897	389	111	431
McMillan, Bennett H., W. C. Johnson, and F. M. Colford, Danville, Ill. Cement fence-post	778,697	Dec. 27	4410	965	113	2439
McMillan, Duncan, New York, N. Y. Bridle side-cheek attachment	768,903	Aug. 30	5684	1195	111	2378
McMillan, Frank. (See Roebuck and McMillan.)						
McMillan, John L., Syracuse, N. Y. Loose-leaf binder	767,677	Aug. 30	5236	1100	111	2275
McMillan, John L., Syracuse, N. Y. Loose-leaf binder	757,336	Apr. 12	2252	490 491	109	1838
McMillan, John L., Syracuse, N. Y. File or binder	764,618	July 12	1486	304	111	942
McMillan, William, Pittsburg, Pa. Brake-beam	759,302	May 10	1484	297	110	359
Millen, Samuel, Pittsburg, Pa. Mechanism for turning wrist-pins, &c.	770,381	Sept. 30	2375	501 502	112	571
McMinn, Preston K., Chicago, Ill. Heating and ventilating system	777,127	Dec. 13	1331	294	113	1739
McMorland, Robert, Philadelphia, Pa. Saw setting and sharpening machine	752,851	Feb. 23	3924	879 880	108	1964
McMullan, James A. (See Wood and McMullan.)						
McMullen, Charles P., Brooklyn, N. Y. Governor for pumping-engines	774,266	Nov. 8	1417	303	113	336
McMullen, Frederick L., Moundsville, W. Va. Tailor's block	774,509	Nov. 8	2033	444	113	468
McMullen, George W. (See Gathmann, Emil, assignor.)						
McMullen, Joseph B., Howard county, Md. Wheel	748,775	Jan. 5	406	93	108	91

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McMullen, Kenric J., and M. H. Robinson, assignors to Willans and Robinson, Limited, Rugby, England. Explosion-engine.	758,189	Apr. 26	3942	855	109	2242
McMunn, Samuel W. (See Poor, George H., assignor.)						
McMurphy, Patrick J., et al. (See McCormick, Patrick F., assignor.)						
McMurray, Frank B., Piddock, Ga. Folding wagon-body	753,292	Mar. 1	141	33	109	34
McMurray, William, assignor to Williams Wire Hinging Machine Co., New York, N. Y. Staple-feeding device.	777,218	Dec. 13	1486	328	113	1771
McMurray, William R. (See Brown, McMurray, and Andrews.)						
McMurtrie, Adnah, assignor to Thomas & Betts, New York, N. Y. Insulating fixture-support.	770,505	Sept. 20	2605	552	112	682
McMurtrie, Gilbert, Clinton, Iowa. Dovetailing-machine	770,603	Sept. 20	2784	591 592	112	662
McMurtrie, John M., Glasgow, Scotland. Liquid-hydrocarbon burner	767,079	Aug. 9	1946	406	111	1493
McMurtrie, Thomas A., Denver, Colo. Mold for concrete blocks	768,904	Aug. 30	5684	1195 1196	111	2378
McMurry, George G., New York, N. Y., assignor to American Sheet Steel Co., Pittsburg, Pa. Cooling-rack for bars	753,293	Mar. 1	142	34, 35	109	35
McMurry, William J. (See Venables, John H., assignor.)						
McMyler, John. (See Lovell, Frederick W., assignor.)						
McMyler, John, Cleveland, Ohio. Truck-driving mechanism	776,080	Nov. 29	5159	1089	113	1231
McMyler, John, and F. W. Lovell, Cleveland, Ohio; said Lovell assignor to said McMyler. Clam-shell bucket.	770,081	Nov. 29	5160	1089	113	1231
McNab, Joseph D., Fillmore, Cal. Conduit.	765,631	July 19	3450	728	111	781
McNab, William J., Omaha, Neb. Display-rack	756,689	Apr. 5	947	208	109	1545
McNally, Harry H. (See Murray, Charles, assignor.)						
McNamara, Frank, Clinton, Mass. Pianoforte	750,035	Jan. 19	3008	643 644	108	708
McNamara, H. H., et al. (See Olson, Hans O., assignor.)						
McNamara, Martha, New York, N. Y. Drain-pipe attachment for refrigerators	756,397	Apr. 5	413	86	109	1432
McNamee, Patrick J., New York, N. Y. Bolt	771,488	Oct. 4	520	117	112	1069
McNamee, Francis B., Warburton, Canada. Sleigh	759,905	May 17	2633	556	110	631
McNamire, Willard F., and M. A. Yocum, Mendon, Ohio. Potato-digger	768,905	Aug. 30	5687	1196	111	2378
McNaughter, Joseph. (See Duff, John T., assignor.)						
McNaughton, Peter, Charlotte, Mich. Lubricating-axle	771,318	Oct. 4	191	42	112	1001
McNease, James N., Cincinnati, Ohio. Rebuilding brake-shoe	773,280	Nov. 15	3500	738	113	880
McNeal, Luther C., Rochester, N. Y. Pipe-elbow	751,543	Feb. 9	1332	317	108	1373
McNear, George W., Jr., Oakland, Cal. Grain transporting and weighing apparatus	749,216	Jan. 12	1371	333	108	336
McNear, George W., Jr., Oakland, Cal. Transporting apparatus for grain	767,162	Aug. 9	2130	443	111	1531
McNeely, John E., assignor of one-half to H. R. Coburn, Indianapolis, Ind. Valve-gear.	764,490	July 5	1179	241	111	260
McNeil, Daniel T. (See Higgs, William E., assignor.)						
McNeil, Robert, Port Chester, N. Y. Inside-threading tool	763,070	June 21	2883	623	110	2104
McNeil, William M., Portland, Ind. Tank-forming device	760,911	May 24	4645	990	110	1088
McNeil, William M., Portland, Ind. Cistern-forming device	760,912	May 24	4648	990	110	1089
McNeill, Ralph, New York, N. Y., assignor to A. O. Granger, Philadelphia, Pa. Alternating-current motor	758,378	Apr. 26	4334	980 981	109	2327
McNichols, Joseph G., Osceola, Iowa. Apparatus for replacing derailed cars	772,575	Oct. 18	2760	607 608	112	1593
McNiece, William. (See Foley, Daniel T., assignor.)						
McNulty, Harry B., Washington, D. C. Talking-machine	776,672	Dec. 6	411	91, 92	113	1519
McNulty, Harry B., Washington, D. C., assignor to McNulty Incandescent Gas Lighter Company. Automatic gas-lighter	773,410	Oct. 25	4595	971	112	2018
McNulty, Harry B., Washington, D. C., assignor to McNulty Incandescent Gas Lighter Company. Electric igniter	773,411	Oct. 25	4598	971	112	2019
McNulty Incandescent Gas Lighter Company. (See McNulty, Harry B., assignor.)						
McNulty, John J., Carmel, N. Y. Hub or wheel mount	762,081	June 7	899	185	110	1632
McPhaden, Alexander, et al. (See Climo, Jonathan B., assignor.)						
McPhail, Thomas, et al. (See McCone, James, assignor.)						
McPhedran, Neil, et al. (See Dunn, Frederick W., assignor.)						
McPhee, Eugene, Lead, S. D. Two-wheeled vehicle	760,698	May 24	4212	895	110	995
McPherson, Columbus B., Birmingham, Ill. Electrical cut-out	749,085	Jan. 5	1080	228	108	248
McPherson, John P., Morrison, Colo. Line-holder	765,250	July 19	2698	562	111	620
McPherson, John W. (See Cunningham and McPherson.)						
McPherson, Martha, New York, N. Y. Skirt-supporter	769,108	Aug. 30	6094	1275	111	2468
McPike Drug Company. (See Haigh, Joseph, assignor.)						
McQuarrie, James L. (See McBerty and McQuarrie.)						
McQuarrie, James L. (See Scribner and McQuarrie.)						
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Telephone switchboard apparatus	761,098	June 7	152	29	110	1472
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Supervisory signal for telephone-switchboards	762,432	June 14	1592	347	110	1803
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Measured-service system for party-lines	766,192	Aug. 2	76	13	111	1058
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Supervisory signal apparatus for telephone-switchboards	768,617	Aug. 30	5103	1072	111	2247
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Apparatus for through ringing on telephone trunk-lines	769,763	Sept. 13	1190	256	112	286
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange system	772,900	Oct. 18	3393	736	112	1730
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Busy signal for telephone-exchanges	777,301	Dec. 13	1632	363	113	1804
McQuarrie, James L., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange switchboard apparatus	778,599	Dec. 27	4242	923	113	2390
McQuarrie, James L., South Orange, N. J., assignor to Western Electric Company, Chicago, Ill. Service-meter for telephone-exchanges	766,375	Aug. 2	461	98	111	1142
McQueen, Daniel P., Saratoga Springs, N. Y. Wheel	773,966	Nov. 1	864	181	113	198
McQuilkin, James C., Industry, Pa. Pipe-wrench	764,619	July 12	1488	304	111	342
McQuown, Thomas H., Biggsville, Ill. Electric-circuit closer and breaker	748,638	Jan. 5	165	40	108	37
McQuown, Thomas H., Biggsville, Ill. Speed-indicator	749,743	Jan. 19	2446	531	108	532
McQuown, Thomas H., Biggsville, Ill. Electric-circuit closer and breaker. (Reissue)	12,273	Oct. 11	2254	494	112	1469
McRae, Arthur A., assignor to McRae & Keeler, Attleboro, Mass. Hat-pin	760,141	May 17	3131	655	110	738
McRae, Daniel. (See Carr, John J., assignor.)						
McRae, John C., Henderson, Miss. Suspender-hook	775,013	Nov. 15	2902	630	113	685
McRae & Keeler. (See Bartlett, James A., assignor.)						
McRae & Keeler. (See Coles, William E., assignor.)						
McRae & Keeler. (See McRae, Arthur A., assignor.)						
McTaggart, David, Worcester, Mass. Compression-roll for slashers	762,433	June 14	1594	347	110	1804

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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McTammany Ballot Company. (See McTammany, John, assignor.)						
McTammany, John, Spencer, Mass. assignor, by mesne assignments, to McTammany Ballot Company, Portland, Me. Vote-counting machine	749,446	Jan. 12 1885	385 386	67	108	436
McTammany, John, Spencer, Mass. assignor, by mesne assignments, to McTammany Ballot Company, Portland, Me. Apparatus for detecting fraudulent or improper votes	761,781	June 7 1885	335 386	67 68	110	1514
McTear, Balfour F., Rainhill, England. Manufacture of tubes or hollow bodies	763,566	June 28 1885	358 359	752 753	110	2340
McTear, Balfour F., Rainhill, England. Manufacture of tubes or hollow bodies	765,673	July 26 1885	358 359	752 753	111	819
McTear, Balfour F., Rainhill, England. Machinery for making seamless metal tubes, &c.	771,883	Oct. 11 1885	1325	800	112	1257
McTernan, Andrew, Andover, Mass. Retaining device for bottle-stoppers	778,203	Dec. 20 1885	3443	757	113	2199
McTurk, Gilbert. (See Smith and McTurk.)						
McVay, Leonard P., New Virginia, Iowa. Reversible automatic marker for corn-planters	752,919	Feb. 23 1886	4094	910	108	2002
McVeety, Charles, Cheltenham, assignor of one-half to J. F. Ford, Philadelphia, Pa. Dust separator and collector	775,664	Nov. 22 1885	4339	916	113	1034
McVey, George E., Spratts, assignor of three-fourths to J. A. Groseclose, Marion, Va. Stirrup	756,270	Apr. 5 1886	152	31	109	1375
McVey, George E., Gypsum, assignor to himself, and J. H. Vaden, Laurelgrove, Va. Cancellation-stamp	759,906	May 17 1885	2655	556	110	31
McVey, James. (See Pape, Hermann G., assignor.)						
McVicar, Philip H., Livermore, Cal. Disk harrow	752,245	Feb. 16 1887	2737	607	108	1687
McVicker, Walter J., Rogers, Nebr. Governing mechanism for internal-combustion engines	753,091	Feb. 23 1886	4419	982	108	2077
McVittie, Alexander. (See Sheldon, Mark A., assignor.)						
McWade, William J. (See Graybill, Bird M., assignor.)						
McWatters, James, St. Augustine, Fla. Car-coupling	778,760	Dec. 27 1885	4532	992	113	2456
McWilliam, John F., Somerville, N. J. Reel for adhesive plaster	777,044	Dec. 6 1885	1169	255	113	1087
McWilliams, Alexander, Mickelover, England. Apparatus for feeding anti-incrustation fluid into boilers	778,450	Dec. 27 1885	3981	866	113	2334
Mead, Arthur, Bridgeton, Me. Reversing mechanism	757,331	Apr. 12 1886	2241	488	109	1835
Mead, Edward C., Elkhart, Ind. Protecting-shield for gage or lubricator glasses	771,094	Sept. 27 1885	3742	789	112	891
Mead, Edwin E., assignor of one-half to D. T. Smiley, Woodstock, Ill. Bag-closure	777,263	Dec. 13 1885	1566	349	113	1790
Mead, George A., assignor to Ohio Brass Company, Mansfield, Ohio. Manufacture of rail-bonds	751,320	Feb. 2 1886	1094	232	108	1276
Mead, H. C. (See Bean, William H., assignor.)						
Mead, John W., and H. A. Mackie, assignors to J. J. Turner, G. S. McFarlan, and H. O. Rockwell, Amsterdam, N. Y. Stereopticon	771,828	Oct. 11 1885	1203	268	112	1231
Mead, John W., H. A. Mackie, and M. Van Buren, assignors to said Van Buren and J. J. Turner, Amsterdam, N. Y. Telephone	764,139	July 5 1886	450	88	111	93
Meador, Henry C. (See Harvey, Charles A., assignor.)						
Meadows, Charles A., Yonkers, N. Y. Envelop	761,004	May 24 1886	4821	1024	110	1126
Meadows, Charles A., Yonkers, N. Y. Metallic alloy	767,160	Aug. 9 1885	2125	442	111	1330
Meadows, Charles A., Yonkers, assignor to United States Alloy Company, New York, N. Y. Dividing metal	767,304	Aug. 9 1885	2378	497	111	1585
Meadows, Charles A., Yonkers, N. Y., assignor to United States Alloy Company, Jersey City, N. J. Preparing metallic mixtures for printers' types, bearings, &c.	778,789	Dec. 27 1885	4582	1002	113	2466
Meanley, Frank, Mount Elgin, Canada. Reverse motion for steam-engines	748,629	Jan. 5 1886	148	36	108	33
Meats, John T., assignor to Mason Machine Works, Taunton, Mass. Friction let-off mechanism for looms	753,899	Mar. 8 1887	1367	308	109	315
Meats, John T., assignor to Mason Machine Works, Taunton, Mass. Let-off mechanism for looms	775,336	Nov. 22 1885	3616	766 767	113	874
Meats, John T., assignor to Mason Machine Works, Taunton, Mass. Warp stop-motion for looms	775,452	Nov. 22 1885	3876	819	113	932
Meckensturm, Francis J. (See Brockway and Meckensturm.)						
Meczynski, Bolestaws, Chicago, Ill. Pipe-wrench	773,958	Nov. 1 1885	853	179 889	113	196
Medbery, Nelson H., Milwaukee, Wis. Fluid-switch	763,686	June 28 1887	4087	890 891	110	2337
Meden, Elof, New York, N. Y., assignor to De Laval Steam Turbine Company. Elastic-fluid turbine	778,499	Dec. 27 1885	4054	884	113	2350
Meder, Albert E. (See Mills and Meder.)						
Meding, Charles E., Paterson, N. J. Cloth take-up and stretching device	751,192	Feb. 2 1886	762	174	108	1230
Medley, Clarence, assignor of one-half to R. E. McArthur, Calgary, Canada. Non-refillable bottle	773,294	Oct. 25 1886	4349	918	112	1066
Medlin, George A., Evergreen, Pa. Clutch-pulley	738,548	Apr. 26 1886	4664	1004	109	2041
Meehan Boiler & Construction Company. (See Gray, Robert, assignor.)						
Meehan, James, St. Charles, Ill. Automatic lubricator	777,120	Dec. 13 1885	1316	291	113	1735
Meehan, James, St. Charles, Ill. Oil-supply indicator	777,528	Dec. 13 1885	2074	457	113	1899
Meehan, James, Covington, Ky., assignor to Ross-Meehan Foundry Company, Chattanooga, Tenn. Car-coupling	756,174	Mar. 29 1886	5751	1270	109	1323
Meehan, Michael, Tonica, Ill. Grain-car door	748,630	Jan. 5 1886	151	36	108	34
Meehan, Michael C., Buffalo, N. Y. Hose-rack	766,640	Aug. 2 1886	1020	214	111	1258
Meek, Sturges F., New York, N. Y. Separable hinge	771,654	Oct. 4 1886	856	192	112	1142
Meeker, Susanna, Franklin, Ohio. Scraper	770,647	Sept. 20 1886	2872	610	112	681
Meeker, Willis C., et al. (See Anderson, Robert S., assignor.)						
Meeks, William J., Loyal, Wis. Track-joint	778,689	Dec. 27 1885	4396	961	113	2425
Mees, Henry B., Nadeau, Kans. Bead-loom	758,376	Apr. 26 1886	4332	930	109	2326
Mees, Jacob, Alpena, S. D. Grain-lifter for headers	763,194	June 21 1886	3136	673	110	2161
Meetz, Albert J., assignor of one-half to J. A. Munro, Davenport, Iowa. Button-carding machine	760,893	May 24 1887	4597	880 882	110	1078
Meffert, Alexander, St. Louis, Mo. Water-carousal	750,472	Jan. 26 1886	3810	827	108	898
Megaro, Pancrazio M., Newark, N. J. Shaving composition	778,594	Dec. 27 1885	4232	982	113	2387
Megogney, Frank M., et al. (See Steeb, John L., assignor.)						
Megquier, A. C. (See Graves, Charles L., assignor.)						
Meiard, Charles E., et al. (See Stouffer, Hiram C., assignor.)						
Meier, Patrick F., Boston, Mass. Meat cutter or chopper	749,873	Jan. 19 1886	2683	574	108	634
Mehl, John, Jr., Jersey City, N. J. Handle for bags	749,997	Jan. 19 1886	2930	626	108	688
Mehlig, Charles F. C., New York, N. Y. Flexible shaft-coupling	760,894	May 24 1886	4604	982	110	1080
Mehner, Hermann, Steglitz, near Berlin, Germany. Making nitrogen compounds from atmospheric nitrogen	754,474	Mar. 15 1885	2545	554	109	592
Mehnt, Otto, and P. Pape, assignors to Maschinenfabrik Aktien-Gesellschaft, vorm. Wagner & Co., Köthen, Germany. Filter	775,475	Nov. 22 1885	3927	829 830	113	944

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Mehring, Mary M. (See Smelker, Angeline, assignor.)						
Mehrien, James A., and J. H. Howard, Exeter, Cal. Switch-operating mechanism for electric motors	770,378	Sept. 20	2368	500	112	570
Meier, Albert J., St. Louis, Mo. Safety pin	766,641	Aug. 2	1022	214	111	1268
Meier, Albert J., St. Louis, Mo. Tool	773,212	Oct. 25	4199	889	112	1932
Meier, Edward D. (See Quinn, John C., assignor.)						
Meier, Emil, New York, N. Y. Envelop-feeding machine	768,475	Aug. 23	4788	1003	111	2161
Meighan, George A., Providence, R. I. Automatic switch for tramways	751,932	Feb. 9	2149	485	108	1536
Meigs, John F., and E. Gathmann, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Explosive projectile	753,504	Mar. 1	526	132	109	115
Meigs, John F., and E. A. Gathmann, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Mechanical time-fuse for explosive projectiles	772,470	Oct. 18	2556	562	112	1549
Meigs, John F., and H. G. Jakobson, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Gun-sight	753,505	Mar. 1	528	123	109	116
Meigs, John F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Recoil-check	768,775	June 28	4265	929	110	2426
Meigs, John F., and R. P. Stout, assignors to Bethlehem Steel Company, Bethlehem, Pa. Combined recoil-check and recuperator	771,889	Oct. 11	1206	269	112	1232
Meigs, John F., and S. A. S. Hammar, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Firing mechanism for breech-loading guns	768,244	Mar. 22	4465	992	109	1022
Meigs, John F., and S. A. S. Hammar, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Controlling device for firing-gear	772,244	Oct. 11	2095	458	112	1425
Meigs, John F., and S. A. S. Hammar, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Firing mechanism	772,245	Oct. 11	2097	458	112	1425
Meigs, L. C. (See Armstrong, John H., assignor.)						
Melly, Ringold W., Lima, Ohio. Barbed fastening device	749,077	Jan. 5	1061	225	108	245
Meindl, Alois. (See Luks, Emil C., assignor.)						
Meindl, Alois, et al. (See Luks, Emil C., assignor.)						
Meinecke, Christian W., Jersey City, N. J. Vaginal syringe	758,673	May 3	137	29	110	36
Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Clinical thermometer	766,720	Aug. 2	1196	251	111	1307
Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Co., New York, N. Y. Cap for air-valves for surgical cushions or the like	775,841	Nov. 22	4672	989	113	1104
Meinecke, Christian W., Jersey City, and D. Hogan, Hoboken, N. J., assignors to Meinecke & Co., New York, N. Y. Bed-pan	760,229	May 17	3294	691	110	775
Meinecke, Christian W., Jersey City, and D. Hogan, Hoboken, N. J., assignors to Meinecke & Company, New York, N. Y. Operating pad or receptacle	762,737	June 14	2230	484	110	1939
Meinecke, Christian W., Jersey City, and D. Hogan, Hoboken, N. J., assignors to Meinecke & Co., New York, N. Y. Surgical or operating pad or cushion	763,304	June 21	3333	721	110	2203
Meinecke & Co. (See Meinecke, Christian W., assignor.)						
Meinecke & Co. (See Meinecke and Hogan, assignors.)						
Meinecke, Henry, Tomah, Wis. Fence	775,759	Nov. 22	4513	957	113	1071
Meinel, Ernst. (See Meinel, Ottomar and E.)						
Meinel, Ottomar and E., Gohlis, near Leipzig, Germany. Musical drum	770,300	Sept. 20	2235	466	112	539
Meinwieser, George B., Bataria, N. Y. Support for hammock	757,826	Apr. 19	3235	702	109	2067
Meiners, Samuel, Union City, Iowa. Cornplanter	752,798	Feb. 23	3735	849	108	1986
Meinert, John. (See Lindsay and Meinert.)						
Meinhart, Theodore F., Charlottesville, Va. Hot-air furnace	750,114	Jan. 19	3147	677	108	733
Meinong, Rafael von, Innsbruck, assignor of two-thirds to Oesterreichische Asphalt Acetengeseellschaft and O. von Czedik, Vienna, Austria-Hungary. Permanent way	752,403	Feb. 16	3059	679	108	1755
Meinwieser, George B., Bataria, N. Y. Support for hammock	756,672	Apr. 5	914	200	109	1539
Meir, Ludwig, Möckern, near Leipzig, Germany. Case or box for holding a photographic printing outfit for producing post-cards	766,368	Aug. 2	450	96	111	1139
Meisel, Charles. (See Price, Henry A., assignor.)						
Meisel, Francis, Dorchester, Mass. Collapsible shaft	758,996	May 3	819	166	110	189
Meiser, Georg W. (See Knecht, Seidel, and Meiser.)						
Meisselbach, August F. and W. Jr., Newark, N. J. Pocket-scale	756,173	Mar. 29	5754	1271	109	1323
Meisselbach, August F. and W. Jr., Newark, N. J. Facing for heads of fishing-reel frames or spools	766,959	Aug. 9	1718	360	111	1443
Meisselbach, August F. and W. Jr., Newark, N. J. Fishing-reel. (Reissue)	774,328	Nov. 8	1536	329	113	363
Meisselbach, August F. and W. Jr., Newark, N. J. Fishing-reel	12,383	Nov. 15	3524	743	113	834
Meisselbach, William, Jr. (See Meisselbach, August F. and W. Jr.)	778,968	Dec. 27	3794	928	113	2294
Meisselbach, William, Jr. (See Meisselbach, August F. and W. Jr.) (Reissue.)						
Meissner, Adolf E. W., Charlottenburg, Germany. System of alternating-current distribution	775,535	Nov. 22	4041	852	113	969
Meissner, Otto W. (See Hahn, Otto W., assignor.)						
Meissner, Otto W., assignor to Rodger Ballast Car Company, Chicago, Ill. Dump-car	753,506	Mar. 1	531	124	109	117
Meissner, Otto W., assignor to Rodger Ballast Car Company, Chicago, Ill. Dump-car	754,475	Mar. 15	2549	554	109	598
Meissner, Otto W., assignor to Rodger Ballast Car Company, Chicago, Ill. Railway-car	772,572	Oct. 18	2755	607	112	1592
Meissner, Otto W., Chicago, assignor to Rodger Ballast Car Company, Cook county, Ill. Dump-car	768,535	Aug. 23	4901	1027	111	2185
Meissner, Richard A., Hoboken, N. J. Sleigh-runner attachment for bicycles	773,959	Nov. 1	854	180	113	196
Meixell, William B., and T. Holt, Sayre, Pa. Assignors of part to S. Thorp, Elmira, N. Y., H. L. Townner and F. K. Stephens, Sayre, Pa. Making paper from old newspapers, books, magazines, &c.	748,968	Jan. 5	800	182	108	182
Melanson, Louis A., Church Point, Canada. Thill-coupling	765,501	July 19	3221	674	111	732
Melan, Franz, Charlottenburg, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Manufacture of disk wheels of metal	757,135	Apr. 12	1850	404	109	1753
Melber, Frederick, Ross township, Allegheny county, Pa. Concrete construction	778,423	Dec. 27	3900	849	113	2317
Melbye, Oskar, Cypress Island, Wash. Fish-trap	769,910	Sept. 13	1468	314	112	349
Melcher, John, Appleton, Wis. Hoisting and carrying machine	756,872	Apr. 12	1310	292	109	1638
Melchior, Ernst, Chicago, Ill. Brush	771,085	Sept. 27	3743	789	112	891
Melchior, Friedrich C., Philadelphia, Pa. Pencil-sharpener	762,077	June 7	895	184	110	1631
Meldrum, Robert. (See Ibotson and Meldrum.)						
Meldrum, Robert, Kirkliston, Scotland. Oil-burner	775,428	Nov. 22	3822	808	113	921
Mellus, Charles H., Gloversville, N. Y. Shaft-collar	758,549	Apr. 26	4625	1004	109	2402
Melley, Kristian J., Christiania, Norway. Combined curb and snaffle bit	774,097	Nov. 1	1122	239	113	254
Mellen, George E., Chicago, Ill. Toy-projector	758,674	May 3	138	30	110	33
Mellert, Allen C. (See Groff, Sylvanus E., assignor.)						
Melles, James, assignor to C. Schönfelder & Co., Brieg, Germany. Wire grating	772,424	Oct. 18	2459	539	112	1528
Mellet, Lemuel, assignor of nine-sixteenths to E. Glines, Somerville, J. F. Flanagan, Newton, and M. B. McDonnell, Boston, Mass. Spinning-ring	761,086	May 31	5025	1065	110	1189

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Mellet, Lemuel, Somerville, assignor to J. A. De Vito, M. B. McDonnell, Boston, and J. F. Flanagan, Newton, Mass. Traveler for spinning-rings	772,537	Oct. 18	2668	585	112	1571
Mellin, Carl J., Richmond, Va. Compound engine	756,673	Apr. 5	916	200	109	1339
Mellon, George A., assignor to P. H. Mellon, St. Louis, Mo. Metallic folding bed	759,538	May 10	1948	398	110	460
Mellon, Harry J., Pittsburg, Pa. Combination pen and pencil holder and calendar	753,088	Feb. 23	4414	982	108	2078
Mellon, Patrick J., et al. (See Ehman, Samuel, assignor.)						
Mellon, Peter H. (See Mellon, George A., assignor.)						
Mellor, Thomas, Philadelphia, Pa. Composition of matter for washing and bleaching ..	754,588	Mar. 15	2765	.....	109	637
Melton, Robert J., Allegheny, Pa. Sink	759,457	May 10	1782	360	110	423
Meloon, Jonathan C., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Dry-pipe valve	761,175	May 31	5190	1103	110	1232
Melton, William K., Bivins, Tex. Wagon-brake	770,978	Sept. 27	3528	743	112	846
Melville, Colin, New York, N. Y. Megaphone	748,909	Jan. 5	801	173	108	158
Melvin, Charles H., assignor to Deere and Company, Moline, Ill. Wheeled plow	771,816	Oct. 4	186	41	112	1000
Melvin, Charles P., Monongahela, Pa. Molding apparatus	776,374	Nov. 22	3707	757	113	893
Melvin, Fred, and E. Brusseau, assignors of one-half to P. Bernard and W. R. Melvin, Jefferson, S. D. Disk-sharpener	748,768	Jan. 5	397	91	108	88
Melvin, Ira H. (See Ottwell and Melvin.)						
Melvin, Josiah W., Houston, Tex. Gage	751,866	Feb. 9	2018	457	108	1507
Melvin, Will R., et al. (See Melvin and Brusseau, assignors.)						
Menard, Philip P. (See Smith, Frederick H., assignor.)						
Menard, Philip P., Chicago, Ill. Egg-separator	761,240	May 31	5317	1129	110	1251
Menard, Philip P., Chicago, Ill. Bung	761,241	May 31	5319	1130	110	1251
Menchen, Joseph, New York, N. Y. Lens-box	761,977	June 7	717	146	110	1596
Menchen, Joseph, New York, N. Y. Lens-box	770,795	Sept. 27	3099	653	112	749
Menchen, Joseph, New York, N. Y. Projecting imitations of the aurora borealis	770,766	Sept. 27	3101	658	112	749
Mencarski, Alexander, New York, N. Y. Building construction	773,215	Oct. 25	4201	890	112	1933
Mendelson, Marks. (See Forbes, John M., assignor.)						
Mendenhall, Elbert V., Chicago, Ill., assignor to F. S. Webster Company, Boston, Mass. Type-written machine	776,251	Nov. 29	5492	1163	113	1308
Mendenhall, Hiram. (See Stocking and Mendenhall.)						
Menefee, George W., Berkeley, Cal. Windlass	757,668	Apr. 19	2932	637	109	2001
Menefee, George W., Berkeley, Cal. Hoisting and conveying mechanism	772,047	Oct. 11	1677	374	112	1333
Menge, William A. (See Watkins and Menge.)						
Menkey, F. Will. (See Dietz, Louis, assignor.)						
Menkin, Burnett, Philadelphia, Pa. Electrical alarm device	751,193	Feb. 2	763	174	108	1220
Mensen, John, Owens, Iowa. Trace-buckle	758,187	Apr. 36	3940	555	109	2241
Mensing, Anthony R., Chicago, Ill. Permanent memorandum for household use	753,601	Mar. 1	737	165	109	160
Mensor, Abraham W., and H. Greenblatt, Seattle, Wash. Hose-supporter	768,766	Aug. 30	5399	1137	111	2313
Mensor, Abraham W., H. Greenblatt, and J. A. Petta, Seattle, Wash. Garment-supporter						
Mentzer, John P., Chicago, Ill. Temporary binder	768,767	Aug. 30	5401	1137	111	2313
Menuez, Vincent A., Memphis, Tenn. Drop extension	754,791	Mar. 15	3160	688	109	724
Menuez, Vincent A., Memphis, Tenn. Extension-lamp	761,844	June 7	469	95	110	1544
Menuez, Vincent A., Memphis, Tenn. Drop-light	761,845	June 7	471	96	110	1545
Menziez, Robert C., Glens Falls, N. Y. Snow-shovel	775,394	Nov. 22	3554	749	113	859
Méray-Horváth, Charles, Budapest, Austria-Hungary. Telegraphic apparatus	766,389	May 24	4084	868	110	969
Mercader, Camille, Pittsburg, Pa. Making axles	766,389	Aug. 2	451	96	111	1139
Mercader, Camille, Pittsburg, Pa. Pneumatic-tired vehicle	761,778	June 7	328	66	110	1512
Mercadier, Julien H., Louvres, France. Automatic commutator	770,531	Sept. 20	2957	563	112	633
Mercadier, Julien H., Louvres, France. Manufacturing spongy lead	757,942	Apr. 19	3452	747	109	2115
Mercer, Charles G., Eufula, Ala. Cotton-chopper	767,908	Aug. 18	3548	.....	111	1862
Mercer, Charles G., Eufula, Ala. Cotton-chopper	764,365	July 5	939	190	111	208
Mercer, Charles G., Eufula, Ala. Cotton-chopper	764,366	July 5	944	191	111	209
Mercer, Frank L. (See Baker and Mercer.)						
Mercer, Frank L., Columbus, Ohio. Wrapping-paper-printing apparatus	759,292	May 10	1467	293	110	356
Mercer, Frederick D., Hampstead, England. Traveling belt or apron	753,995	Mar. 8	1556	347	109	359
Mercer, George A., Jr., Savannah, Ga. Hook and eye	776,606	Dec. 6	2766	618	113	1491
Mercer, Henry C., Doylestown, Pa. Making mosaic tiles	763,064	June 21	2874	621	110	2103
Mercer, William F., Columbus, Ohio. Non-refillable bottle	761,978	June 7	718	146	110	1596
Mercereau, James R., Rochester, N. Y. Shower-bath	777,042	Dec. 6	1167	255	113	1687
Merchant, Frank M. (See Priestley, Kephart, and Merchant.)						
Merchant, Hanna V. P., et al. (See Saunders, David H., assignor.)						
Mercier, Adrien, Son, Lausanne, Switzerland. Photographic-camera support	765,980	July 26	4161	889	111	946
Merck, Firm E. (See Fischer, Emil, assignor.)						
Merck, Firm E. (See Fischer and Mering, assignors.)						
Merck, Firm E. (See Kobert, Rudolf, assignor.)						
Merck, Firm E. (See Winternitz, Hugo, assignor.)						
Meredith, William E., assignor of one-half to C. W. Heckman, Richmond, Ind. Hose-coupling	763,010	June 21	2769	600	110	2079
Mergenthaler Linotype Company. (See Brien, Samuel J., assignor.)						
Mergenthaler Linotype Company. (See Cooney, John M., assignor.)						
Mergenthaler Linotype Company. (See Cooney and Totten, assignors.)						
Mergenthaler Linotype Company. (See Crofut, James N., assignor.)						
Mergenthaler Linotype Company. (See Dodge, Philip T., assignor.)						
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)						
Mergenthaler Linotype Company. (See Middleton, Winton G., assignor.)						
Mergenthaler Linotype Company. (See Petersen, Hans, assignor.)						
Mergenthaler Linotype Company. (See Randall, William H., assignor.)						
Mergenthaler Linotype Company. (See Rogers, John R., assignor.)						
Mergenthaler Linotype Company. (See Scott, Daniel D., assignor.)						
Mergenthaler Linotype Company. (See Speechley, William R., assignor.)						
Mergenthaler Linotype Company. (See Tunaley, John, assignor.)						
Meriam-Abbott Company. (See Meriam and Crist, assignors.)						
Meriam, Joseph B., and M. B. Crist, assignors to Meriam-Abbott Company, Cleveland, Ohio. Electric plant for charging storage batteries	750,876	Feb. 2	186	43	108	1098
Meriam, Marshall, Pepperell, Mass. Machine for cutting sheets	757,560	Apr. 19	2706	591	109	1950
Meriden Curtain Fixture Co. (See Doolittle, Amos M., assignor.)						
Meriden Curtain Fixture Co. (See Harned, William D., assignor.)						
Mering, Josef von. (See Fischer and Mering.)						
Merkel, Arthur E., Cleveland, Ohio, assignor to Clyde Iron Works, Duluth, Minn. Load-device	750,382	Jan. 26	3644	791	108	862
Merkel, George, assignor of two-thirds to G. and J. Bernert, Richfield, Wis. Grain-blower ..	754,476	Mar. 15	2551	555	109	794
Merkley, Aden, Schaller, Iowa. Well-curb tile	765,502	July 19	3222	674	111	793

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Merling, Georg, Frankfurt-on-the-Main, and H. Eichwede, assignors to Farbwerke, vorm. Meister, Lucius & Brünig, Höchst-on-the-Main, Germany. Cycloeranioldienacetone and making same	768,389	Aug. 23	4631		111	2128
Mermoud, Frères. (See Keller, Alfred, assignor.)						
Merralls, William A., San Francisco, Cal. Rock-breaker	751,532	Feb. 9	1374	313	108	1369
Merralls, William A., San Francisco, Cal. Multiple-stamp mortar	753,089	Feb. 23	4416	982	108	2076
Merralls, William A., San Francisco, Cal. Stamp-mill	753,602	Mar. 1	738	165	109	140
Merralls, William A., San Francisco, Cal. Stamp-mill	756,873	Apr. 12	1313	293	109	1639
Merralls, William A., San Francisco, Cal. Edge-runner	774,329	Nov. 8	1537	329	113	363
Merrege, Frank C., Marine City, Mich. Carburetor	759,539	May 10	1944	398	110	460
Merrege, Frank C., Marine City, Mich. Carburetor	767,465	Aug. 16	2740	575	111	1685
Merrell, Daniel B., Shortsville, N. Y. Fertilizer-distributor	773,332	Oct. 25	4424	939	112	1982
Merrell, Gaius L., assignor to Merrell-Soule Company, Syracuse, N. Y. Soldering-machine	749,211	Jan. 12	1349	290	108	331
Merrell-Soule Company. (See Brooks, Charles H., assignor.)				291		
Merrell-Soule Company. (See Merrell, Gaius L., assignor.)						
Merriam, Henry P., New York, N. Y. Safety locking device for projectile-fuses or other purposes	770,182	Sept. 13	1959	418	112	457
Merriam, Henry P., New York, N. Y. Fuse for projectiles	770,183	Sept. 13	1966	418	112	458
Merriam, Henry P., New York, N. Y., assignor of one-half to United States Ordnance Company, Washington, D. C. Fuse for projectiles	770,064	Sept. 13	1777	376	112	418
Merriam, Henry T., Millbury, Mass. Pipe-coupling	762,545	June 14	1842	396	110	1858
Merrick, Frank A., Johnstown, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, Pittsburg, Pa. Armature winding or coil	755,029	Mar. 22	3597	790	109	837
Merrick, Frank A., Johnstown, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, Pittsburg, Pa. Armature-winding	759,900	May 17	2643	554	110	628
Merrill, Albert H., Florence, Cal. Tabular reference device	762,546	June 14	1843	397	110	1858
Merrill, Albert H., Compton, Cal. Calculator	778,790	Dec. 27	4586	1003	113	2467
Merrill, Ansel L., Hydepark, assignor of one-half to O. A. Miller, Brockton, Mass. Fluid-pressure regulator	765,849	July 26	3921	837	111	893
Merrill, Bela G., Oakpark, Ill. Tag	768,064	Aug. 23	3918	822	111	1963
Merrill, Emily L., Boston, Mass. Garment-retainer	761,779	June 7	329	66	110	1513
Merrill, Frances B., Jonespoint, N. Y., assignor to Merrill Process Company. Still	761,315	May 31	5472	1163	110	1283
Merrill, Frank N., Belgium, Wis. Conveyor-rollers	770,015	Sept. 13	1673	355	112	395
Merrill, Fred W., Somerville, Mass. Burner	763,305	June 21	3394	721	110	2203
Merrill, George L., Eureka Springs, Ark. Grain-dryer	769,706	Sept. 13	1068	253	112	265
Merrill Process Company. (See Merrill, Frances B., assignor.)						
Merrill, Robert T., Milwaukee, Wis. Mechanical eraser	765,671	July 26	3554	751	111	819
Merrill, Sherburn M., Newton, Mass., assignor to Morley Button Manufacturing Company, Saco, Me. Button	775,375	Nov. 22	3710	788	113	894
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Regulating dynamo-electric machines	775,453	Nov. 22	3880	819	113	933
Merriman, Eurie L., and J. W. Vought, Scranton, Pa. Drier for granular materials	765,708	July 26	3621	770	111	832
Merritt, Caleb G. (See Cottingham, Joshua J., assignor.)				771		
Merritt and Company. (See Holden, George, assignor.)						
Merritt, Gordon, Ridgewood, N. J. Pedal	752,016	Feb. 23	4080	909	108	2001
Merritt, Gordon, Ridgewood, N. J. Piano-pedal	761,087	May 31	5027	1066	110	1188
Merritt, Henry W., Springfield, Mass., and J. P. Barron, Brooklyn, assignors to Densmore Typewriter Company, Syracuse, N. Y. Type-writing machine	774,262	Nov. 8	1407	301	113	334
Merritt, Joseph E., Bakersfield, Cal. Oil-well packer	772,725	Oct. 18	3065	669	112	1656
Merritt, William H., and J. C. Wall, Genesee, N. Y.; said Wall assignor to said Merritt. Power-transmitter	758,550	Apr. 26	4666	1005	109	2402
Merrrow Machine Company. (See Stedman, William H., assignor.)						
Merry, Benjamin P., Archbold, Ohio. Muzzle for animals	750,210	Jan. 19	3320	717	108	769
Merryman, Minnie, assignor of one-half to M. V. George, Baltimore, Md. Oil-shield for sewing-machines	772,166	Oct. 11	1928	426	112	1386
Mersanne, Ernest de. (See Dilham and Mersanne.)						
Mersman, Joseph, Ottawa, Ohio. Cream-separator	749,393	Jan. 12	1728	366	108	412
Merton, Thomas D., Spottiswoode, near Melbourne, Victoria, Australia. Rotary-rotated ore-roasting furnace	759,730	May 10	2307	479	110	538
Mertsheimer, Frederick, Denver, Colo. Pressure-retaining device for fluid-pressure brakes	766,042	Aug. 2	1023	215	111	1268
Mertsheimer, Frederick, Denver, Colo. Pressure-retaining mechanism for fluid-pressure brakes	772,167	Oct. 11	1929	427	112	1386
Mervine, Hiram W., Ashland, Pa. Saw-clamp and file-guide	758,551	Apr. 26	4667	1005	109	2402
Merz, Alfred J., Yonkers, N. Y., assignor to L. Borsum, Plainfield, N. J. Photographic-plate holder	766,835	Aug. 9	1476	309	111	1289
Merz, Henry J., Pittsburg, Pa. Support for clothes-line	773,760	Nov. 22	4514	957	113	1071
Merz, Theodore C., Detroit, Mich. Feeder for printing-presses	763,195	June 21	3137	674	110	2161
Merz, William, Baltimore, Md. Beer-cooler	777,121	Dec. 13	1319	291	113	1736
Meserole, Abraham V., New York, N. Y. Storage battery	757,943	Apr. 19	3453	748	109	2116
Mesick, Charles W., Chicago, Ill., assignor of one-half to J. K. F. Pine and E. O. House, Troy, N. Y. Supporting means for garments	752,789	Feb. 23	3797	849	108	1936
Mesinger, Frederick, New York, N. Y. Saddle	755,904	Mar. 29	5253	1161	109	1216
Meslans, Maurice, Paris, France. Manufacture of cast-steel	765,932	July 26	4008		111	926
Mesner, Michael. (See Errick, Frank J., assignor.)						
Messersmith, Hiram, Muncie, Ind. Combination letter-box, door-bell, and name-plate	754,664	Mar. 15	2910	636	109	668
Messick, Charles, Jr., Hackensack, N. J. Electrical cableway-conveyer	776,339	Nov. 29	5640	1195	113	1340
Messinger, Joseph, Philadelphia, Pa. Horseshoe	777,684	Dec. 20	2396	527	113	1984
Messner, Matthias, Trossingen, Germany. Mouth-harmonica	752,295	Feb. 16	2847	632	108	1711
Messer, Oskar, Berlin, Germany. Tablet for sound-reproducing machines	762,846	June 7	473	96	110	1545
Mesta Machine Company. (See Keller, Albert T., assignor.)						
Metcalf, Charles B., assignor to Emerson Electric Manufacturing Company, St. Louis, Mo. Shaft-coupling	777,215	Dec. 13	1479	327	113	1770
Meston, Charles R., and H. I. Finch, assignors to Emerson Electric Manufacturing Company, St. Louis, Mo. Field-magnet core	771,260	Oct. 4	77	17	112	978
Metal Casting Company of America. (See Székely, Charles S., Sr., assignor.)						
Metallic Specialty Manufacturing Company. (See Sternberg, Marc, assignor.)						
Metcalf, Charles W., San Diego, Cal. Honey-extractor	767,305	Aug. 9	2379	497	111	1585
Metcalf, Clarence E., Hopdale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for spinning-spindles	764,744	July 12	1739	355	111	395

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Metcalf, Clarence E., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for spinning-spindles	764,745	July 12	1741	355	111	396
Metcalf, Clarence E., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutch for rotatable spindles	776,141	Nov. 29	5269	1114	113	1257
Metcalf, Clarence E., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for spinning-spindles	776,142	Nov. 29	5271	1114	113	1258
Metcalf, Edgar E., Adrian, Mich. Stay-wire tie for woven fences	762,921	June 21	2612	566	110	2044
Metcalf, Howard F. (See Brooks and Metcalf.)	751,533	Feb. 9	1375	814	108	1970
Metcalf, Jefferson D., assignor of one-half to W. E. Wisner, Darrington, Miss. Churn	754,883	Mar. 15	3326	726	109	761
Metcalf, John S., assignor to John S. Metcalf Co., Chicago, Ill. Steel-concrete construction, &c.	753,603	Mar. 1	738	165	109	161
Metcalf, Samuel W., Sisson, Cal. Handle for hand-stamps	771,435	Oct. 4	437	99	112	1050
Metcalf, John, and T. Bell, Roscoe, Pa. Bottling-faucet	752,485	June 14	1711	368	110	1829
Metheny, Clifford C., Sowego, Va. Penholder	759,293	May 10	1469	293	110	356
Metosh, Francis, et al. (See Metosh, Frank B., assignor.)						
Metosh, Frank B., Savannah, assignor to E. K. Adriance and F. Metosh, Auburn, N. Y. Washbasin	760,342	May 17	3496	736	110	820
Metropolitan Trust & Savings Bank, trustee. (See Edwards, Edgar A., assignor.)						
Metten, John F., Philadelphia, Pa. Fluid indicator	767,486	Aug. 16	2742	575	111	1685
Metten, John F., assignor to William Cramp & Sons Ship and Engine Building Company, Philadelphia, Pa. Ammunition-hoist	765,672	July 26	3556	751	111	819
Mettler, Eugene, Indianapolis, Ind. Boiler-tube cleaner	776,478	Nov. 29	5317	1249	113	1405
Mettler, Eugene, Indianapolis, Ind. Cooling device for water-tube boilers	776,479	Nov. 29	5318	1249	113	1405
Mettler, Fred W., Cleveland, Ohio. Railway-tie	775,454	Nov. 22	3382	820	113	941
Metz, Harry J., Bellevue, Iowa. Harrow	750,473	Jan. 26	801	828	108	898
Metz, Nicholas F., Ashton, S. D. Separator-grate	764,669	July 12	1596	326	111	365
Metz, Rudolph, assignor of one-half to W. Lowry, Jr., Atlantic City, N. J. Garbage-can	759,821	May 10	2502	523	110	581
Metz, William E., assignor to Edmonds-Wetzel Manufacturing Company, Chicago, Ill. Lock	756,874	Apr. 12	3114	393	109	1639
Metzgar, Charles E., et al. (See Kline, James B., assignor.)						
Metzger, Charles A. and W. E., Rutland, Vt. Awning	764,897	July 12	2052	424	111	465
Metzger, Emanuel, assignor of two-thirds to J. Hardenburgh and N. Davis, Kingston, N. Y. Railway-car window	773,803	Nov. 1	504	110	113	117
Metzger, Henry C., and W. Guice, Meridian, Miss. Scoop	751,933	Feb. 9	2132	485	108	1536
Metzger, Isbn, near Winfield, Iowa. Journal-bearing	771,993	Oct. 11	1557	349	113	1805
Metzger, John, Tacoma, Wash. Tandem-compound-engine bushing	775,376	Nov. 22	3710	788	113	894
Metzger, William E. (See Metzger, Charles A. and W. E.)						
Metzler, William M. (See Marks and Metzler.)						
Metzner, Robert A. (See Sonka and Metzner.)						
Meunier, Alfred, Taunton, Mass. Loom-temple	775,775	Nov. 22	4541	964	113	1077
Meurell, Carl A., Säter, Sweden. Bread-pricking machine	769,444	Sept. 6	597	131	112	135
Meurell, Carl A., Säter, Sweden. Bread-forming machine	769,445	Sept. 6	599	131	112	136
Meurell, Carl A., Säter, Sweden. Bread-forming machine	771,550	Oct. 4	680	152	112	1103
Meurell, Carl A., Säter, Sweden. Bread-forming machine	771,551	Oct. 4	683	152	112	1104
Meuschel, August, Montreal, Canada. Electric-traction system for railways	755,905	Mar. 29	5254	1162	109	1216
Meuser, Alfonso, Chicago, Ill., and C. G. Arthur, assignors of one-half to J. F. Sheahan, Columbia, S. C. Metallic packing	758,675	May 3	139	30	110	34
Meves, Charles W., assignor to Manitowoc Mattress Company, Manitowoc, Wis. Machine for making mattresses	768,671	Aug. 30	5221	1097	111	2272
Meyer, Adolf, and J. Hoffman, New York, N. Y. Music-holder	765,187	July 19	2588	541	111	595
Meyer, August, Jersey City, and C. P. Geritz, Kingsland, N. J. Automatic brake-applying device for railways	754,665	Mar. 15	2911	636	109	668
Meyer, August F., Bremen, Germany. Street-scavenging machine	771,787	Oct. 4	1119	249	112	1198
Meyer, August R., Kansas City, Mo. Roasting-furnace	750,877	Feb. 2	190	44	108	1099
Meyer, Charles C., Fort Wayne, Ind. Washing-machine	773,761	Nov. 1	433	95	113	102
Meyer, Charles W., Odebolt, Iowa. Throttle and steering-lever for automobiles	772,949	Oct. 25	3493	758	112	1770
Meyer, Conrad. (See Stoltenberg, Frederick, assignor.)						
Meyer, Emil, Swissvale, Pa. Electric clock striking mechanism	760,895	May 24	4607	982	110	1080
Meyer, Franz, New York, N. Y. Muffle roasting-furnace	761,691	June 7	139	25, 26	110	1469
Meyer, Frederick, Chicago, Ill. Drying apparatus	771,994	Oct. 11	1558	349	112	1066
Meyer, Frederick, assignor of five-sixths to E. J. Kirby and Chicago American Fuel Briquetting Company, Chicago, Ill. Drying-kiln	761,068	May 31	5029	1066	110	1188
Meyer, Frederick, assignor of five-sixths to E. J. Kirby and Chicago American Fuel Briquetting Company, Chicago, Ill. Briquet-machine	763,498	June 28	3741	807	110	2313
Meyer, George A., et al. (See McKnight, John A., assignor.)						
Meyer, George J., Milwaukee, Wis. Chain wrench	771,915	Oct. 11	1391	816	112	1270
Meyer, Gustave F., Greenvale, N. Y. Runner attachment for vehicle-wheel	767,907	Aug. 16	3549	751	111	1662
Meyer, Hans S., Rugby, England, assignor to General Electric Company. Automatic regulator for motors	762,738	June 14	2231	484	110	1399
Meyer, Hans S., Rugby, England, assignor to General Electric Company. Starting device for alternating-current induction-motors	769,068	Aug. 30	6072	1269	111	2468
Meyer, Harry G., assignor to E. C. Atkins & Company, Indianapolis, Ind. Trowel	760,466	May 24	3735	792	110	892
Meyer, Henry D., Lowell, Ind. Tank-heater	758,143	Apr. 26	2861	838	109	2224
Meyer, Herman L., St. Paul, Minn. Boiler-furnace	776,143	Nov. 29	5273	1114	113	1258
Meyer, Hermann, New York, N. Y. Automatic piano-player	756,674	Apr. 5	917	200	109	1539
Meyer, Hermann, New York, N. Y. Driving device for music-sheets	765,303	July 19	3223	574	111	733
Meyer, Hermann, New York, N. Y. Coin-controlled mechanism	773,405	Oct. 25	4580	968	112	2015
Meyer, Hermann, New York, N. Y. Self-playing piano	773,406	Oct. 25	4583	969	112	2016
Meyer, Hermann H., Cleveland, Ohio. Curtain-roll fixture	753,202	Feb. 23	4616	1028	108	2121
Meyer, Johann H., Magdeburg, Germany. Counting system for telephones	755,515	Mar. 22	4468	994	109	1022
Meyer, John, Yuton, Ill. Gate	748,769	Jan. 5	399	91	108	89
Meyer, John G., Winthrop, Minn. Cue-tip holder	774,945	Nov. 15	2767	593	113	653
Meyer, Julius C., New York, N. Y. Clothes-line fastener	773,804	Nov. 1	505	110	113	118
Meyer, L. and A. B. (See Rink, William E., assignor.)						
Meyer, Martin and Company. (See Meyer, William, assignor.)						
Meyer, Martin H., Pender, Nebr. Fertilizer-distributor	778,690	Dec. 27	4399	962	113	2426
Meyer, Otto, Richmond, Va. Manufacturing ether	749,078	Jan. 5	1062	225	108	245
Meyer, Otto C., New York, N. Y. Adjustable pipe-hanger	775,244	Nov. 15	3433	725	113	815
Meyer, Peter. (See Ohi and Meyer.)						
Meyer, Philip, Bardonia, N. Y. Self-lubricating axle	756,675	Apr. 5	922	202	109	1540

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Meyer, Phillip, Santa Rosa, Cal. Gas-generator	763,919	June 28	4548	992	110	2485
Meyer, Robert, Philadelphia, Pa. Stocking	759,184	May 3	1183	239	110	267
Meyer, Robert, assignor, by mesne assignments, to said Meyer, W. C. Foulds, R. Blood, Philadelphia, Pa., and F. B. Hills, Washington, D. C. Apparatus for singeing hosiery. (Reissue.)	12,220	May 17	3617	762 763	110	847
Meyer, Svend M., Brooklyn, N. Y. Igniter for oil-lamps	774,769	Nov. 15	2403	519	113	572
Meyer, William, assignor to Meyer, Martin and Company, New York, N. Y. Machine for making covered cord	760,896	May 24	4610	983	110	1081
Meyer, William, assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, Chicago, Ill. Electromagnetic holder	775,145	Nov. 15	3173	674	113	748
Meyer, William C., St. Louis, Mo. Coin-controlled atomizer	775,145	Nov. 15	3684	574	108	635
Meyer, William C., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-turning machine	763,620	June 28	3950	859	110	2357
Meyercord, Herman A., Chicago, Ill. Multiple-grip fastener	757,944	Apr. 19	3455	748	109	2116
Meyerreiter, Stephen J., Chicago, Ill. Holder	762,922	June 21	3614	566	110	2045
Meyers, Albert, assignor to United States Steel Lock Company, Lyons, Iowa. Lock	758,676	May 3	141	30	110	34
Meyers, Ernest, Taunton, Mass. Die-cutting machine	766,456	Aug. 2	617	131	111	1175
Meyers, Frank A., assignor of one-half to Stern & Pohly, Paterson, N. J. Box-motion mechanism for looms	774,488	Nov. 8	1824	395	113	424
Meyers, George, assignor to E. C. Atkins & Company, Indianapolis, Ind. Trowel	761,242	May 31	5320	1130	110	1251
Meyers, George W., et al. (See Fisher, Nathan, assignor.)						
Meyers, Julius R., Chicago, Ill. Cheese mold or hoop	765,981	July 26	4162	889	111	947
Meyers, Julius R., Chicago, Ill. Cheese-hoop	765,982	July 26	4165	889	111	947
Meyers, William A. (See Van Housen and Meyers.)						
Meygret, Achille, Paris, France. Protective sheath or envelop for storage-battery plates	756,176	Mar. 29	5756	-----	109	1824
Meygret, Achille, Paris, France. Protective coating or covering for storage-battery plates	776,192	Nov. 29	5368	-----	113	1279
Meygret, Achille, Paris, France. Protective coating for storage-battery plates	776,480	Nov. 29	5919	-----	113	1406
Meygret, Achille, Paris, France, assignor to E. T. Magiffin New York, N. Y. Storage-battery plate	760,897	May 24	4612	983	110	1081
Michell, Henry, Accrington, England. Self-contained spindle for spinning and doubling frames	776,410	Nov. 29	5780	1223	113	1374
Meyrick, Joseph, Jr., assignor of one-half to G. E. Cain, Louisville, Ky. Butter-separator	754,931	Mar. 15	3410	746	109	779
Meyrowitz Manufacturing Company. (See Bechtold, Adolph and A. C., assignors.)						
Meyrowitz Manufacturing Company. (See Buchhop, Ferdinand, assignor.)						
Meyrowitz Manufacturing Company. (See Rosenbath, William A., assignor.)						
Mica Insulator Company. (See Jefferson, Charles W., assignor.)						
Michael, Charles W., et al. (See Gillaspay, John T., assignor.)						
Michael, Christopher, assignor of one-half to W. Webb, Calumet, Mich. Stair-carpet rod and fastener	756,875	Apr. 12	1315	293	109	1639
Michael, Ira A., Chicago, Ill., assignor of one-half to J. H. Reynolds, Troy, N. Y. Automatic signaling apparatus	748,970	Jan. 5	802	173 174 175	108	183
Michael, John B., et al. (See Kehr, Cyrus, assignor.)						
Michael, John B., Knoxville, Tenn. Throttle-valve	751,667	Feb. 9	1639	369	108	1423
Michaels, John G., Denver, Colo. Hitching device	770,516	Sept. 27	3221	679	112	776
Michaels, Christopher, Calumet, Mich. Shade-roller and curtain bracket	762,594	June 14	1931	416	110	1776
Michaels, Jacob, et al. (See Snyder, Oscar, assignor.)						
Michaels, Paul, assignor of one-half to P. P. Grassmann, Syracuse, N. Y. Protective covering for water-closet seats	772,425	Oct. 18	2460	539	112	1528
Michaud, Conrad, New York, N. Y. Dust-pan	760,467	May 24	3739	792	110	892
Michaud, Elzear, Montreal South, assignor of two-thirds to J. J. Murphy and T. J. Donogue, Montreal, Canada. Bed	776,528	Dec. 6	1921	97, 28	113	1452
Michaud, Elzear, and C. Desjardins, St. Pierre, Canada. Sleigh	766,457	Aug. 2	619	132	111	1175
Michel, Frederick, New York, N. Y. Eyeglass-fastening	778,057	Dec. 20	3173	696	113	2142
Michelin, Edouard, Clermont-Ferrand, France. Nut for safety-bolts, air-valve caps, or other analogous purposes	750,675	Jan. 26	4195	910	108	977
Michelin, Edouard, Clermont-Ferrand, France. Lever for manipulating the covers of pneumatic tires	756,515	Apr. 5	638	138	109	1476
Michell, Anthony G. M. (See Grant and Michell.)						
Michell, Anthony G. M., Melbourne, Victoria, Australia. Impulse-turbine	760,898	May 24	4615	983	110	1082
Michell, Henry C., London, England. Manufacture of non-conducting coverings, blocks, and slabs	774,946	Nov. 15	2768	-----	113	654
Michell, Henry C., London, England. Manufacture of non-conducting coverings, blocks, and slabs	774,947	Nov. 15	2770	-----	113	654
Michigan Storage Battery Co., et al. (See Frank, Oskar, assignor.)						
Michigan Stove Company. (See Keep, William J., assignor.)						
Michigan Wheelbarrow & Truck Co. (See Rockwood, Charles B., assignor.)						
Michin, Fred, assignor of one-half to M. J. Feeley, Hartford, Conn. Machine for removing scale and polishing wire	762,180	June 7	1073	227	110	1671
Mickey, John F., assignor of one-half to J. J. Noppenberger, Baltimore, Md. Attachment for telegraph-sounders	770,184	Sept. 13	1970	419	112	450
Mickey, John F., F. T. Bailey, and J. J. Noppenberger, Baltimore, Md. Railway signaling apparatus	749,939	Jan. 19	2822	603	108	664
Miclaugh, James, Dennison, assignor of one-half to H. Hess, Newcomerstown, Ohio. Wick-raiser for lamps	763,776	June 28	4266	929	110	2426
Middlebrook, Elmer L. (See Robertson and Middlebrook.)						
Middlekauff, Lawrence, and C. A. Schirm, Los Angeles, Cal. Fruit pitting and stuffing machine	749,697	Jan. 12	2338	491 492	108	540
Middleton, James F., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Taping device	762,739	June 14	2234	485	110	1940
Middleton, James F., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Winding-machine	766,370	Aug. 2	452	97	111	1139
Middleton, Melbourne F., Camden, N. J. Box	757,827	Apr. 19	3237	702	108	2067
Middleton, Peter C., and W. S. H. Smith, Croydon, England. Band or strap brake	737,480	Apr. 19	2540	558 559	109	1914
Middleton, Winton G., Phoenix, Ariz. Ter. assignor to Mergenthaler Linotype Company. Matrix for linotype-machines	753,604	Mar. 1	739	165	109	161
Middletown Car Works. (See King, Arthur, assignor.)						
Midgley, Frederick W., assignor to International Wireless Telegraph Company and M. Gehring, Philadelphia, Pa. Wave-responsive device	756,676	Apr. 5	923	202	109	1540
Midgley Manufacturing Company. (See Midgley, Thomas, assignor.)						
Midgley, Thomas, Columbus, Ohio. Pneumatic tire	762,740	June 14	2235	485 486	110	1940
Midgley, Thomas, Columbus, Ohio, assignor to Hartford Rubber Works. Vehicle-wheel	764,140	July 5	453	88	111	98

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Midgley, Thomas, assignor to Midgley Manufacturing Company, Columbus, Ohio. Metallic vehicle-wheel	772,812	Oct. 18	3214	700	112	1690
Midgley, Thomas, assignor to Midgley Manufacturing Company, Columbus, Ohio. Metallic vehicle-wheel	772,813	Oct. 18	3215	700	112	1690
Midgley, Thomas, assignor to Midgley Manufacturing Company, Columbus, Ohio. Metallic wheel-spoke	772,814	Oct. 18	3216	700	112	1690
Miegel, Robert, East Orange, N. J. Ornamenting the edges of books, &c.	763,196	June 21	2139		110	2162
Miehle Printing Press and Manufacturing Company. (See Vance, Walter N., assignor.)						
Miehle, Robert, Chicago, Ill. Dropping sheet-delivery mechanism for printing-presses	758,997	May 3	820	166 167	110	189
Mielck, Heinrich, New York, assignor to J. L. Sackman, Brooklyn, N. Y. Magnesia-cement composition	764,250	July 5	688		111	153
Mielenhausen, George, New York, N. Y. Brush attachment	761,532	May 31	5835	1240	110	1367
Mielke, George H., Dundas, Minn. Wire-stretcher	767,587	Aug. 16	2946	617	111	1731
Mierke, Edward, et al. (See McClintock, Edward, assignor.)						
Miers, Charles F., Ager, Cal. Shoe-lace fastener	755,080	Mar. 22	3599	790	109	888
Miesen, Clarence F., Oswego, Mich. Folding crate	759,294	May 10	1790	294	110	356
Miesse, Americus, assignor of one-half to A. Crider, Lima, Ohio. Automobile-tender	758,014	Apr. 19	3601	779	109	2145
Miesse, Jacob B., Noblesville, and A. J. Landis, Delaware township, Hamilton county, Ind. Gate	778,324	Dec. 27	3689	805	113	2371
Mietaschok, Otto, Görlitz, Germany. Signaling device for pasteboard-making machines.	769,011	June 21	2771	600	110	2079
Miggett, William L., assignor of one-half to Dean & Company, Ann Arbor, Mich. Vented faucet	769,099	Aug. 30	6075	1270	111	2464
Mihills, Merrick A., Highland Park, Ill. Safety-razor	770,767	Sept. 27	3102	659	112	749
Mikkelsen, Charles H., Geddes, S. D. Windmill	754,477	Mar. 15	2552	555	109	594
Miksch, Aaron J., Chicago, Ill. Pump	753,507	Mar. 1	533	124	109	117
Milburn, Frederick. (See Sheppard, Herbert C., assignor.)						
Milburn, Guy, Birmingham, N. Y. Automatic electric cut-out	756,516	Apr. 5	640	138	109	1476
Milch, Maurice, Schenectady, N. Y., assignor to General Electric Company. Control of alternating-current motors	767,761	Aug. 16	3255	685	111	1800
Milch, Maurice, Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor	768,337	Aug. 23	4492	945	111	2090
Milch, Maurice, Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor	772,950	Oct. 25	3494	758	112	1770
Milch, Maurice, Schenectady, N. Y., assignor to General Electric Company. Commutator	773,881	Nov. 1	699	146	113	160
Miles, Casper W., Cincinnati, Ohio. Coin-controlled vending-machine	759,458	May 10	1783	361	110	423
Miles, Charles E., Pomona, assignor of one-half to F. H. Willson, Palatka, Fla. Speed-governor for ship propellers	762,923	June 21	2615	567	110	2045
Miles, Don D., Aurora, Ill. Device for removing sleet, ice, &c., from electrical conductors	765,781	July 26	3803	810	111	867
Miles, Edmund, assignor of one-half to S. L. Selleck, Cleveland, Ohio. Plate-handling machine	752,913	Feb. 23	4048	906 907	108	1992
Miles, Edmund, Cambridge, assignor of one-half to S. L. Selleck, Cleveland, Ohio. Plate-handling machine	752,914	Feb. 23	4057	907 908	108	1992
Miles, Edmund, Cambridge, assignor of one-half to S. L. Selleck, Cleveland, Ohio. Plate-handling machine	752,915	Feb. 23	4071	908 909	108	1999
Miles, Frank W., assignor to Hydraulic Press Brick Company, St. Louis, Mo. Brick-stamping machine	756,677	Apr. 5	925	202	109	1540
Miles, Greyson E. (See Ridderhof and Miles.)						
Miles, Hanford R., Upland, Ind. Molding-bit	768,234	Aug. 23	4297	904	111	2047
Miles, J. H. (See Miles, Joseph F., assignor.)						
Miles, Joseph F., Paris, Tex. Smoke-consumers	759,731	May 10	2308	480	110	538
Miles, Joseph F., Paris, Tex., assignor to J. H. Miles, Ludlow, Ohio. Draft-producing device	760,230	May 17	3295	692	110	776
Miles, Willis C., Jersey City, N. J. Cover for earthen chamber vessels	752,088	Feb. 16	2448	548	108	1620
Milford Shoe Company. (See Jenckes, Waldo W., assignor.)						
Mill, Anton, Cincinnati, Ohio. Variable-speed mechanism	764,746	July 12	1743	355 356	111	396
Mill, Anton, assignor of one-half to C. Roos, Cincinnati, Ohio. Drill	756,678	Apr. 5	926	203	109	1541
Millar, James, Lyn, Canada. Land-marker	778,058	Dec. 20	3174	698 699 785	113	2142
Millar, John, Kearney, N. J. Signaling	773,024	Oct. 25	3638	786 787	112	1801
Millar, John, Kearney, N. J. Signaling	773,025	Oct. 25	3648	787 788	112	1804
Millar, John, assignor of one-half to H. Willoughby, Jr., Kearney, N. J. Tire	761,847	June 7	474	96	110	1545
Millard, James, Wilkes-Barre, Pa. Camera	772,225	Oct. 11	2168	473	112	1443
Millard, Reuben O., and T. L. Henry, Catawissa, Pa. Rail-joint	755,151	Mar. 23	3803	888	109	884
Millard, Robert J. (See Weekman and Millard.)						
Millard, Thomas Z., Ottumwa, and P. H. Palmer, Bloomfield, Iowa; said Millard assignor to said Palmer. Light-measuring instrument	753,508	Mar. 1	534	124	109	118
Millen, George H., E. Mousseau, Hull, and J. Raitt, Ottawa, assignors of one-fourth to E. B. Eddy Company, Limited, Hull, Canada. Machine for making vessels from fibrous pulp	762,181	June 7	1074	227 228	110	1672
Millen, James T., Claxton, Ga. Holdback attachment for vehicles	776,862	Dec. 6	808	175	113	1604
Miller, A. M. (See Spangler, John H., assignor.)						
Miller, Aaron, Altoona, Pa. Curtain-pole	757,048	Apr. 12	1676	363	109	1715
Miller, Albe D., Portland, Ind. Clover-harvester	749,572	Jan. 12	2096	436	108	491
Miller, Albert A. (See Fulghum, Thomas E., assignor.)						
Miller, Albert J., Browns, Ill. Horse hay-fork	770,085	Sept. 13	1779	376	112	419
Miller, Albert W. (See Bryan, Edgar J., assignor.)						
Miller, Albert W. W., South Orange, N. J. Incandescent electric lamp	773,805	Nov. 1	506	110	113	118
Miller, Albert W. W., South Orange, N. J., and G. P. McDonnell, St. Louis, Mo., assignors to American Electric Company, East Orange, N. J. Device for securing incandescent lamp filaments to leading-in wires	758,328	Apr. 26	4244	912	109	2308
Miller, Albert W. W., South Orange, N. J., and G. P. McDonnell, St. Louis, Mo., assignors to American Electric Company, East Orange, N. J. Device for protecting carbon filaments for incandescent electric lamps	768,614	Aug. 30	5099	1071	111	2247
Miller, Andrew C., assignor of one-half to F. N. Chase, Corona, Cal. Circuit-breaker	760,795	May 24	4431	942	110	1041
Miller, Anna G., Muskegon, Mich. Hook and eye	756,876	Apr. 12	1316	294	109	1639
Miller, Arthur K., Peeksskill, N. Y. Pump	764,747	July 12	1746	356	111	397
Miller, August, Buffalo, N. Y. Portable house	760,135	May 17	3113	651 652	110	735

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Miller, Burt O. (See Jensen, Christian, assignor.)						
Miller, Camillus, Soudwover, Pa. Siphon.	756,517	Apr. 5	641	138	109	1477
Miller, Carl E., assignor of one-half to R. S. Brown, Minneapolis, Minn. Comb.	768,012	June 21	672	601	110	3780
Miller, Charles A., et al. (See Anderson, Con D., assignor.)						
Miller, Charles A., Marshalltown, Iowa. End seat for elliptical springs.	749,313	Jan. 12	1565	381	108	377
Miller, Charles A., Hazleton, assignor of one-half to E. S. Youse, Reading, Pa. Vehicle drop-brake.	774,685	Nov. 8	2191	479	113	502
Miller, Charles W., Canton, Ohio. Door-stop.	758,998	May 3	822	168	110	190
Miller, Charles W., assignor to Gilliam Manufacturing Company, Canton, Ohio. Harness-saddle.	752,404	Feb. 16	3060	679	108	1757
Miller, Charles W., assignor to Gilliam Manufacturing Company, Canton, Ohio. Harness-pad.	771,655	Oct. 4	858	192	112	1143
Miller, Clarence D. S. (See Keating, Daniel A., assignor.)						
Miller, Clark A. (See Jacobson, John, assignor.)						
Miller, Conrad, Denver, Colo. Turning mechanism for vehicles.	773,084	Oct. 25	3838	819	112	1849
Miller, Conrad, and W. D. Ulrich, Denver, Colo. Folding chair.	766,896	Aug. 9	1477	1310	111	1389
Miller, Corwin F., Walcottville, Ind. Adjustable float for fishing.	755,683	Mar. 29	4793	1067	109	1110
Miller, David, Schenectady, N. Y., assignor to General Electric Company. End-play device for rotary machines.	755,787	Mar. 29	5030	1118	109	1163
Miller, David D., Middletown, Conn. Picker-motion for looms.	757,828	Apr. 19	3239	703	109	2068
Miller, Denis L., Louisville, Ky. Foot-pad for furniture.	763,306	June 21	3335	722	110	2203
Miller, Denis L., Louisville, Ky., assignor of one-half to F. A. Engert, Knoxville, Tenn. Camp-store.	758,015	Apr. 19	3602	780	109	2149
Miller, Du Brul & Peters Manufacturing Company. (See Du Brul, Albert, assignor.)						
Miller, Dugald S., Jr., Owensboro, Ky. Spanner-wrench.	761,523	May 31	5836	1249	110	1367
Miller, Edward C., Allegheny, Pa. Wrench.	756,679	Apr. 5	928	203	109	1541
Miller, Edward H., London, England. Treating refractory ores.	751,401	Feb. 2	1155	—	108	1303
Miller, Edward M., Adrian, Ohio. Combination desk, book-rack, and easel.	752,990	Feb. 23	4232	943	108	2334
Miller, Edwin C., Iola, Kans. Folding umbrella.	774,098	Nov. 1	1123	239	113	254
Miller, Eli, Canton, Ohio. Cultivator.	755,906	Mar. 29	5266	1163	109	1219
Miller, Eli H., and W. O. Mangham, Creedmoor, Tex. Neck-yoke attachment.	774,360	Nov. 8	1591	341	113	375
Miller, Ellis W., assignor of five-sixths to W. W. Bonner, trustee, and P. H. Anderson, Greensburg, Ind. Combined corn stripper and husker.	760,899	May 24	4617	984	110	1082
Miller, Emil N., assignor to New York Adding Typewriter Company, Orange, N. J. Combined type-writing and adding machine.	778,595	Dec. 27	4233	922	113	2387
Miller, Emma T., Urumia, Persia. Umbrella.	750,553	Jan. 26	3985	861	108	981
Miller, Ezra J. D., New Rockford, N. D. Draft-equalizer.	766,054	July 26	4302	921	111	975
Miller, Ferdinand, San Francisco, Cal. Kitchen-cabinet.	767,908	Aug. 16	3551	751	111	1862
Miller, Francis, Bellevue, Ky. Variable-speed transmitter.	760,900	May 24	4620	985	110	1083
Miller, Francis, Bellevue, Ky. Driving mechanism.	764,954	July 12	2166	449	111	491
Miller, Francis, Bellevue, Ky. Variable-speed mechanism.	773,246	Oct. 11	2009	458	112	1426
Miller, Francis M., New York, N. Y. Soft-tread horseshoe.	776,925	Dec. 6	922	459	113	1630
Miller, Frank O., Holly, N. Y. Shipping-crate.	756,877	Apr. 12	1318	294	109	1640
Miller, Frank S., Creston, Iowa. Metallic piston-rod packing.	770,016	Sept. 13	1674	355	112	896
Miller, Frank W., Wooster, Ohio. Door-hanger.	775,223	Nov. 15	3357	715	113	789
Miller, George. (See Dodge and Miller.)						
Miller, George, Lancaster, Pa. Paper-filing case.	751,987	Feb. 9	2282	510	108	1564
Miller, George, assignor of two-thirds to L. M. Goge and E. Brunhuber, New York, N. Y. Bottle-stopper.	759,185	May 3	1183	240	110	267
Miller, George, Holstein, and W. Butler, Shelby, Mich. Shipping-crate.	756,360	Apr. 5	135	27	109	1372
Miller, George F. (See Kifer and Miller.)						
Miller, George H., Flatbush, N. Y. Bed for invalids.	764,141	July 5	455	89	111	99
Miller, George H., Norwalk, Ohio. Numbering-machine.	774,686	Nov. 8	2192	479	113	502
Miller, George H., Norwalk, Ohio. Ear-ancher.	774,687	Nov. 8	2193	479	113	502
Miller, George J., Walla Walla, Wash. Animal-trap.	763,292	Aug. 23	4411	927	111	2073
Miller, George L., Socialville, Ohio. Whiffletree-coupling.	768,476	Aug. 23	4790	1004	111	2161
Miller, George L., Socialville, Ohio. Rivet.	775,728	Nov. 22	4457	943	113	1059
Miller, George W. (See Steinheimer and Miller.)						
Miller, George W., Bushnell, Ill. Pipe-wrench.	776,411	Nov. 29	5781	1224	113	1374
Miller, George W., Palisades Park, N. J., assignor to Miller and Heilman, New York, N. Y. Temporary binder.	762,182	June 7	1079	228	110	1673
Miller, Gus A., Wichita, Kans. Aquatic carousel.	765,093	July 12	2423	504	111	542
Miller, Hans A., Selby, Cal. Domestic boiler.	753,900	Mar. 8	1370	399	109	216
Miller, Harry, and G. L. Riedel, Philadelphia, Pa. Fifth-wheel for vehicles.	755,516	Mar. 22	4473	994	109	1024
Miller, Harry G., assignor to J. F. Lapp, Denver, Colo. Station-indicator.	756,680	Apr. 5	929	1203	109	1541
Miller, Harry M. (See Muffy and Miller.)						
Miller and Heilman. (See Miller, George W., assignor.)						
Miller, Henry C., Milwaukee, Wis. Loose-leaf book.	771,381	Oct. 4	316	70	112	1028
Miller, Henry C., assignor to H. C. Miller & Company, Milwaukee, Wis. Loose-leaf book.	770,879	Sept. 20	2370	500	112	570
Miller, Herbert A., assignor to F. A. Reed, Rochester, N. Y., and C. L. Eaton, Worcester, Mass. Overseaming sewing-machine.	769,392	Sept. 6	504	111	112	114
Miller, Horatio L., Worcester, Mass. Strickle for card-clothing.	775,842	Nov. 22	4672	990	113	1104
Miller, Howard O., Brockton, Mass., assignor, by mesne assignments, to O. A. Miller Treering Machine Company, Portland, Me. Display-form.	777,299	Dec. 13	1628	362	113	1803
Miller, Jacob, Waseon, Ohio. Water-lan.	758,188	Apr. 26	3941	855	109	2241
Miller, Jacob H., Medway, Ohio. Pump-cylinder.	758,377	Apr. 26	4333	980	109	2327
Miller, James, assignor to L. Philipp, Detroit, Mich. Printing-stamp.	759,218	Mar. 3	1385	258	110	232
Miller, James B., Kent, Ohio. Lock.	755,907	Mar. 29	5367	1163	109	1219
Miller, James B., Kent, Ohio. Lock.	755,908	Mar. 29	5369	1164	109	1219
Miller, James B., Kent, Ohio. Lock.	755,909	Mar. 29	5372	1164	109	1220
Miller, James F., Rowland, N. C. Blind-rod clamp.	768,135	Aug. 23	4111	864	111	2007
Miller, James M., Hoosick Falls, N. Y. Pulp-beating engine.	770,301	Sept. 20	2236	466	112	540
Miller, Jay D. (See Walter, William W., assignor.)						
Miller, Jay J. (See Van Auken and Miller.)						
Miller, Joel J., Palaski, Iowa. Dish-washer.	773,085	Oct. 25	3840	820	112	1849
Miller, John A., Avondale, Colo. Wire-fence tool.	757,213	Apr. 12	1093	434	109	1785
Miller, John A., Chicago, Ill. Apparatus for steaming velvet, silk, laces, or like materials.	762,333	June 14	1395	302	110	1762
Miller, John C., assignor of one-half to E. S. Eldridge, Philadelphia, Pa. Shade-roller bracket.	752,089	Feb. 16	2449	548	108	1620

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Miller, John C., assignor of one-half to J. H. Huntington, Jackson, Mich. Block-mold.....	767,418	Aug. 16	2600	547	111	1652
Miller, John H., <i>et al.</i> (See W. S. Rees K., assignor.)						
Miller, John H. (See Wood and Miller.)						
Miller, John H., Sharpville, Pa. Apparatus for preparing cereal food products.....	757,945	Apr. 19	3457	748	109	2116
Miller, John H., Christiansa, Tenn. Switch-operating mechanism.....	758,559	Apr. 26	4669	1005 1006	109	2403
Miller, John H., Kansas City, Mo. Excavator.....	766,888	Aug. 9	1576	332	111	1410
Miller, John J., Pittsburg, assignor of one-half to H. Braun, Allegheny, Pa. Electric-light fixture.....	751,321	Feb. 2	1026	233	108	1276
Miller, John S., Akron, Ohio. Non-refillable bottle.....	774,989	Nov. 15	2861	611	113	677
Miller, John S., assignor of one-third to J. M. Henry, Fort Wayne, Ind. Stave-column.....	756,261	Apr. 5	138	27	109	1372
Miller, John W., Muscatine, Iowa. Button-blank-cutting machine.....	749,079	Jan. 5	1064	225 226	108	245
Miller, John W., Akron, Ohio. Gearing.....	768,672	Aug. 30	5225	1097 1098	111	2272
Miller, John W., Akron, Ohio. Rotary-fan motor.....	770,086	Sept. 13	1788	376	112	490
Miller, Joseph B., Sedalia, Mo. Garment-stretcher.....	754,478	Mar. 15	2553	556	109	594
Miller, Joseph B., Kansas City, Mo. Padlock.....	754,479	Mar. 15	2555	556	109	595
Miller, Joseph H., Duluth, Minn. Horse-collar.....	760,544	May 24	3890	826	110	927
Miller, Joseph S., <i>et al.</i> (See Martin, Edward G., assignor.)						
Miller, Joseph S. (See Martin and Miller.)						
Miller, Kempster B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Central-energy telephone system.....	749,798	Jan. 19	2550	542	108	605
Miller, Kempster B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Central-energy telephone system.....	774,770	Nov. 15	2406	519	113	572
Miller, Lawrence E., and C. J. Barry, Chicago, Ill. Polishing and buffing machine.....	755,031	Mar. 22	3600	790 791	109	838
Miller, Lawrence M. (See Carriker, Samuel M., assignor.)						
Miller, Leo, Tiffin, Ohio. Glass-gathering machine.....	758,553	Apr. 26	4671	1006 1007 1008	109	2403
Miller Lock Company. (See Gillon, Edward F., assignor.)						
Miller, Louis S., New York, N. Y. Music-leaf turner.....	761,524	May 31	5838	1249	110	1367
Miller, Major, Clyman, Wis. Armor for vehicle-tires.....	756,127	Mar. 29	5682	1254	109	1308
Miller, Marcus A. (See Scott, Ralph, assignor.)						
Miller, Martin B., assignor, by mesne assignments, to M. W. Miller, Omaha, Nebr. Automatic cream-cooler.....	776,607	Dec. 6	276	61	113	1491
Miller, Mary W. (See Miller, Martin B., assignor.)						
Miller, Merrick F., Indianola, Iowa. Window-shade machine.....	758,999	May 3	823	168 169	110	190
Miller, Nicholas C., Dodgeville, Wis. Horseshoe.....	752,090	Feb. 16	2450	548	108	1620
Miller, Nicholas C., Mineralpoint, Wis. Hoisting, dumping, and tramping apparatus.....	775,189	Nov. 15	3265	698 699	113	769
Miller, Oliver A. (See Merrill, Ansel L., assignor.)						
Miller, Otto, and P. Kunzinger, New York, N. Y. Fishing-tackle.....	752,091	Feb. 16	2454	548	108	1622
Miller, Otto, and P. Kunzinger, New York, N. Y. Alarm-lock.....	758,554	Apr. 26	4674	1008	109	2404
Miller, Reuben, Jr., Pittsburg, Pa. Induction-coil.....	754,666	Mar. 15	2514	636	109	668
Miller, Richard, assignor to W. H. Hoover, New Berlin, Ohio. Harness-tree.....	755,304	Mar. 22	4082	903	109	940
Miller, Richard, assignor to W. H. Hoover, New Berlin, Ohio. Harness-tree seat.....	763,994	July 5	139	23	111	37
Miller, Richard L. (See Stoller, Miller, and Bean.)						
Miller, Robert, Reedbrake, Ala. Scissors-sawage.....	753,723	Mar. 1	978	222	109	211
Miller, Robert, New York, N. Y. Explosive-engine.....	774,392	Nov. 8	1641	352 353	113	386
Miller, Robert C., <i>et al.</i> (See Finley, James H., assignor.)						
Miller, Robert F., Walkerville, assignor of one-half to C. Lickman, Essex, Canada. Rack for drying clothes, &c.....	772,895	Oct. 18	3379	734	112	1727
Miller, Robert J., Milwaukee, Wis. Distance-measuring instrument.....	760,545	May 24	3891	826	110	927
Miller, Robert L., <i>et al.</i> (See Williams, Rees K., assignor.)						
Miller, Roy C., Norfolk, assignor of one-half to M. V. Hammack, Jacksontale, G. L. Smith, Newport News, and L. L. Davis, Portsmouth, Va. Means for storing, displaying, and measuring goods.....	756,128	Mar. 29	5684	1254	109	1308
Miller, Samuel C., Louisville, Ky. Automatic induction-valve for bottle-filling machines.....	752,991	Feb. 23	4233	943	108	2034
Miller, Samuel C., Louisville, Ky. Bottle-filling machine.....	752,992	Feb. 23	4236	944	108	2035
Miller, Samuel W. K., Hagerstown, Md. Permutation-padlock.....	759,540	May 10	1947	399	110	461
Miller, Sidney W., Chicago, Ill. Siphon.....	749,445	Jan. 12	1949	385	108	435
Miller, Sidney W., Chicago, Ill. Double-trap siphon.....	761,516	May 31	5473	1169	110	1284
Miller, Sidney W., Chicago, Ill. Siphon. (Reissue).....	12,226	May 31	6052	1229 1230	110	1415
Miller Signal Company. (See Price, Jonathan D., assignor.)						
Miller, Stewart M., <i>et al.</i> (See Smith, Andrew J., assignor.)						
Miller, Thomas B., McKeesport, Pa. Connecting lead pipes.....	763,687	June 28	4092	891	110	2388
Miller, Thomas B., McKeesport, Pa. Connecting lead pipes.....	769,869	Sept. 13	1399	298	112	334
Miller, Thomas S., South Orange, N. J. Conveying apparatus.....	759,295	May 10	1471	294 295	110	356
Miller, Thomas S., South Orange, N. J. Cableway.....	759,901	May 17	2846	555	110	629
Miller, Thomas S., South Orange, N. J. Conveyer.....	760,463	May 24	3740	792	110	802
Miller, Thomas S., South Orange, N. J. Hoisting-engine drum.....	761,089	May 31	5031	1067	110	1189
Miller, Thomas S., South Orange, N. J. Cableway.....	773,295	Oct. 25	4349	918	112	1967
Miller, Thomas S., South Orange, N. J. Hoisting device.....	776,529	Dec. 6	143	28	113	1452
Miller, Thomas S., South Orange, N. J. Hoisting and conveying apparatus.....	777,122	Dec. 13	1321	292 293	113	1736
Miller, Thomas S., South Orange, N. J. Conveying apparatus.....	777,685	Dec. 20	2399	527 528	113	1984
Miller, Valentine M., <i>et al.</i> (See Wackerow, George L., assignor.)						
Miller, Walter, Cleveland, Ohio. Valve-cage for pumping-engines.....	769,707	Sept. 13	1089	233	112	265
Miller, Walter H., Orange, and A. N. Pierman, Newark, assignors to New Jersey Patent Company, Orange, N. J. Manufacturing cylindrical phonograph records or blanks.....	771,880	Oct. 11	1320	298	112	1255
Miller, Walter H., Orange, and J. W. Aylsworth, East Orange, assignors, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Edging-machine for phonograph-records.....	764,196	July 5	587	116	111	130
Miller, Walter O., Louisville, Ky. Trolley.....	765,850	July 26	5922	837	111	892
Miller, Walter S. (See Vogel and Miller.)						
Miller, Walter S., St. Louis, Mo., assignor, by mesne assignments, to Curtain Supply Company, Chicago, Ill. Curtain-fixture.....	767,999	Aug. 16	3552	752	111	1863
Miller, Webb. (See White and Miller.)						
Miller, William, Thomasville, assignor of one-half to L. F. Patterson, Bainbridge, Ga. Brick-handling truck.....	753,901	Mar. 8	1372	309 310	109	316

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Miller, William A., Elizabeth, N. J. Valve.	756,035	Mar. 29	5511	1215	109	1271
Miller, William B., Belton, Tex. Pneumatic boll-weevil machine.	752,790	Feb. 23	3798	849	108	1937
Miller, William C., assignor of one-half to E. W. Rutter, Freeland, Pa. Plumb-level.	758,756	Dec. 27	4520	990	113	2452
Miller, William D., Saco, Mont. Mail-pouch attachment.	765,504	July 19	3225	675	111	733
Miller, William E. (See Brunner, Danton O., assignor.)						
Miller, William E., Sr., assignor of two-fifths to L. M. Strong, St. Louis, Mo. Telegraphic transmitter.	764,815	July 12	1886	387	111	429
Miller, William H. (See Furlinger, Henry S., assignor.)						
Miller, Wilson B., McKenzie, Tenn. Farm-gate.	775,536	Nov. 22	4048	853	113	969
Millet, Josiah B., Boston, Mass. Submarine signaling.	769,100	Aug. 30	6076	1270	111	2464
Millet, Josiah B., and A. J. Mundy, Boston, Mass., assignors to Submarine Signal Company, Waterville, Me., and Boston, Mass. Means for producing sound-vibrations in water.	773,580	Nov. 1	92	19	113	26
Millet, Laurent, assignor to La Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Paris, France. Gas-meter.	752,350	Feb. 16	2948	656	108	1734
Millet, Laurent, assignor to La Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Paris, France. Gas-meter.	770,302	Sept. 20	2237	467	112	540
Millican, Charles M., Grapevine, Tex. Floor-jack.	775,166	Nov. 15	3177	675	113	749
Millican, Wilber A., Bryan, Tex. Combination-tool.	772,624	Oct. 18	2848	625	112	1611
Miligan, Edward J., and C. Duncan, assignors to F. Lettieri and F. Sebastian, Salt Lake City, Utah. Billiard-cue chalk-holder.	751,934	Feb. 9	2153	486	108	1537
Miligan, Henry C., Canton, Ohio. Enameling steel wire.	762,547	June 14	1852	397	110	1860
Milliken, Bailey T., Epperson, Ky. Bed or cushion.	754,329	Mar. 8	2174	482	109	492
Millins, Melvin R., et al. (See Lerge, Joshua D., assignor.)						
Milloy, Peter D., Buffalo, N. Y. Trolley base.	760,231	May 17	3296	692	110	776
Milroy, Peter D., assignor of one-half to W. L. Albee, Buffalo, N. Y. Trolley base.	769,331	June 14	2432	527	110	1881
Mills, Anson, Washington, D. C. Seamless woven cartridge-belt.	756,177	Mar. 29	5757	1271	109	1334
Mills, Anson, Washington, D. C. Cartridge-belt.	756,178	Mar. 29	5758	1271	109	1334
Mills, Anson, Washington, D. C. Cartridge-belt or bandoleer.	776,198	Nov. 29	5369	1136	113	1279
Mills, Arthur, Ankum, Cal. Drive-gear.	775,476	Nov. 22	3920	830	113	944
Mills, Charles, assignor to Saco & Pettie Machine Shops, Newton, Mass. Flat for carding-engines.	752,242	Feb. 16	2732	606	108	1686
Mills, Charles, assignor to Saco & Pettie Machine Shops, Newton, Mass. Machine for applying card-cloth to cylinders.	760,696	May 24	4208	893	110	994
Mills, Charles, assignor to Saco & Pettie Machine Shops, Newton, Mass. Machine for chain-molding machine.	765,782	July 26	3805	810	111	867
Mills, Chester B. (See Siegfried and Mills.)						
Mills, Chester B., Wilkinsburg, and A. Williams, Pittsburg, Pa. Self-propelled vehicle.	774,771	Nov. 15	2413	519	113	575
Mills, Daniel, Philadelphia, Pa., assignor to Standard Sewing Machine Company, Cleveland, Ohio. Button-hole-sewing machine.	764,859	July 12	1976	408	111	448
Mills, Eugene D., Kansas City, Mo. Railway or farm gate.	763,499	June 28	3744	808	110	2314
Mills, Francis A., Lawrence, assignor of one-half to G. B. Emmons, Methuen, Mass. Shuttle-lock for looms.	755,910	Mar. 29	5275	1164	109	1220
Mills, Francis A., Lawrence, assignor of one-half to G. B. Emmons, Methuen, Mass. Shuttle-lock for looms.	755,911	Mar. 29	5278	1165	109	1221
Mills, Francis A., Lawrence, assignor of one-half to G. B. Emmons, Methuen, Mass. Shuttle-lock for looms.	756,086	Mar. 29	5513	1216	109	1271
Mills, Frederick, Ebbw Vale, England. Apparatus for moving rails, &c., in relation to the rolls of rolling-mills.	766,307	June 21	3331	722	110	2204
Mills, George, Radcliffe, England. Automatic fire-extinguishing sprinkler.	775,729	Nov. 22	4458	943	113	1059
Mills, George L., et al. (See Green, John D., assignor.)						
Mills, Herbert S. (See Mills, Mortimer B. and H. S.)						
Mills, Herbert S., Chicago, Ill. Combined picture-exhibitor and phonograph.	770,470	Sept. 20	2527	538	112	604
Mills, Irwin H., Cincinnati, Ohio, assignor to W. J. Bauman, Dayton, Ky. Tympan feed-plate for printing-presses.	757,212	Apr. 12	1991	494	109	1785
Mills, James M., Helena, Mont. Toy.	759,732	May 10	2310	480	110	538
Mills, John, Brantford, Canada. Dental instrument.	769,758	Sept. 13	1180	255	112	284
Mills, Luke, assignor of one-half to A. P. Cooley, Lawrence, Mass. Pipe-wrench.	766,458	Aug. 2	622	132	111	1175
Mills, Madeleine M., New York, N. Y. Pneumatic tire.	773,216	Oct. 25	4202	889	112	1933
Mills, Martin A., Exira, Iowa. Brooder.	754,330	Mar. 8	2175	482	109	492
Mills, Mortimer B. and H. S., Chicago, Ill. Mail-box, &c.	773,630	Nov. 22	4266	902	113	1018
Mills, Mortimer B. and H. S., assignors to Mills Special Delivery Mail Box Company, Chicago, Ill. Mail-box, &c.	777,970	Dec. 20	3002	658	113	2108
Mills Novelty Company. (See Lavery, Henry C., assignor.)						
Mills, Obadiah S., et al. (See Dixon, Harry, assignor.)						
Mills, Oliver S., Buell, Va., assignor to Walworth & Neville Manufacturing Company, Bay City, Mich. Automatic painting or liquid-coating machine.	768,293	Aug. 23	4412	927	111	2073
Mills, R. E., et al. (See MacKenzie, George W., assignor.)						
Mills Special Delivery Mail Box Company. (See Mills, Mortimer B. and H. S., assignors.)						
Mills, Thomas, assignor of one-half to R. D. Stetson, Oklahoma, Okla. Ter. Steam-boiler attachment.	749,314	Jan. 12	1566	331	108	377
Mills, Thomas C., London, England. Machine for removing hairs from fur skins.	754,381	Mar. 8	2323	507	109	524
Mills, Thomas C., London, England. Machine for removing hairs from fur skins.	754,382	Mar. 8	2325	508	109	524
Mills, Vance W., et al. (See Schauman, Eror M., assignor.)						
Mills, Vance W., Philadelphia, Pa. Skirt-fastener.	766,055	July 26	4304	922	111	976
Mills, Walter, London, England, assignor to A. O. Granger, Cartersville, Ga. Making lead salts.	754,667	Mar. 15	2915	.....	109	669
Mills, Walter, London, England, assignor to A. O. Granger, Cartersville, Ga. Making ammonium salts.	754,668	Mar. 15	2916	.....	109	669
Mills, Walter, London, England, assignor to A. O. Granger, Cartersville, Ga. Making nitric acid.	755,378	Mar. 22	4239	.....	109	976
Mills, Walter, London, England, assignor to A. O. Granger, Cartersville, Ga. Making fluorides and silicates.	755,379	Mar. 22	4240	.....	109	976
Mills, Wilber C., Lankers, Mich. Nut-lock.	765,245	July 19	2692	560	111	619
Mills, William, Jr., New Rochelle, and A. E. Meder, New York, N. Y. Price-tag for merchandise.	759,902	May 17	2648	555	110	630
Mills, William A., and J. T. Fiske, Port Chester, N. Y. Gas-range.	768,390	Aug. 23	4633	969	111	2129
Millsaps, Jefferson H., Washington, D. C. Match-safe.	760,232	May 17	3299	693	110	772

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Millsbaugh, David, Anderson, Ind. Door-gage.....	748,873	Jan. 5	608	137	108	136
Millsbaugh, William H., assignor to Sandusky Foundry and Machine Company, Sandusky, Ohio. Liquid mixing and spraying apparatus.....	748,971	Jan. 5	829	175	108	193
Millward, Albert E., Accrington, England. Coal holing and cutting-in machine.....	773,882	Nov. 1	700	146	113	161
Milne, Albert, Burk's Falls, Canada. Pressure attachment for lumber-matching machines.....	703,777	June 28	4268	930	110	2436
Milne, Andrew S., Leaskdale, Canada. Manure-loader.....	778,259	Dec. 27	3564	781	113	2245
Milne, John, Brooklyn, N. Y., assignor to Milne Boiler Co. Combined steam-generator and steam-superheater.....	772,315	Oct. 11	2228	488	112	1456
Milne, Samuel. (See Bertram and Milne.)						
Milne, William A., Brown's Corners, Canada. Treating peat immediately prior to compression.....	756,129	Mar. 29	5686	1254	109	1308
Milne, William A., Brown's Corners, Canada. Temperature and moisture regulating apparatus.....	756,130	Mar. 29	5687	1255	109	1309
Milner, Henry E. (See Kent, Artemas A., assignor.)						
Milson, Thomas H., Paterson, N. J. Pipe-joint and forming same.....	765,436	July 19	3079	644	111	702
Milson, Thomas H., Paterson, N. J. Construction of pipe-joints.....	765,437	July 19	3081	644	111	702
Miltnerberger, Eugene F., St. Louis, Mo. Railway-track wrench.....	769,759	Sept. 13	1181	255	112	285
Milton, John, Washington, D. C. Steam-boiler furnace.....	776,608	Dec. 6	277	61, 62	113	1491
Milwaukee Metal Working Company. (See Winklenwerder, Henry, assignor.)						
Minahan, Daniel F., Jr., Orange, N. J. Pneumatic-cushioned vehicle-wheel.....	760,136	May 17	3117	653	110	736
Minart, Louis. (See Huguet, Minart, and Miron.)						
Mincer, Louis L., Rochester, N. Y. Axis-finder for lenses.....	765,188	July 19	2389	542	111	596
Minchin, James G., et al. (See Vinton, John H., assignor.)						
Minchin, James T., et al. (See Vinton, John H., assignor.)						
Minck, Henry, Jersey City, N. J. Picture-hanger.....	753,605	Mar. 1	741	166	109	161
Mine & Smelter Supply Company. (See Durkee, Lafayette, assignor.)						
Miner, James H., Lumberton, Miss. Device for lubricating wheel-flanges.....	777,428	Dec. 13	1584	416	113	1859
Miner, Louis H., assignor to C. Wolcott, Haverhill, Mass. Sewer-inlet grating.....	757,049	Apr. 12	1678	364	109	1715
Miner, Walter, assignor of one-half to A. D. Gustin, Creston, Iowa. Massage apparatus.....	765,746	June 26	3708	791	111	848
Miner, William C., Traverse City, Mich. Railway-signal.....	757,332	Apr. 12	2342	488	109	1836
Miner, William C., assignor of one-half to W. I. De Kay, Traverse City, Mich. Nut-lock.....	750,211	Jan. 19	3321	717	108	769
Miner, William C., assignor of one-half to W. I. De Kay, Traverse City, Mich. Nut-lock.....	752,628	Feb. 16	3504	780	108	1854
Miner, William H., et al. (See Moore, Peter N., assignor.)						
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Tandem-spring draft-rigging.....	754,669	Mar. 15	2917	637	109	669
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Friction draft-rigging for railway-cars.....	754,670	Mar. 15	2918	637	109	669
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Tandem-spring friction draft-rigging.....	754,671	Mar. 15	2921	638	109	670
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Draft-rigging for railway-cars.....	758,144	Apr. 26	3862	898	109	2235
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Tandem-spring draft-rigging for railway-cars.....	758,677	May 3	142	30, 31	110	34
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Tandem-spring draft-rigging for railway-cars.....	769,225	Sept. 6	166	41	112	36
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Draft appliance for railway-cars.....	775,278	Nov. 15	3494	737	113	828
Miner, William H., assignor to W. H. Miner Company, Chicago, Ill. Draft-rigging for railway-cars.....	775,606	Nov. 22	4215	887	113	1007
Mineralac Company. (See Bronson, Douglas B., assignor.)						
Minger, Franklin, Westbend, Iowa. Chimney-tile.....	751,534	Feb. 9	1377	314	108	1370
Minges, John L., Rochester, N. Y. Catamenial pad.....	763,861	Aug. 30	5600	1177	111	2357
Minges, Kilron L., assignor to Cartilage Company, Rochester, N. Y. Physical development apparatus.....	762,832	June 14	2424	527	110	1982
Minier, George H., South Pasadena, Cal. Water-heater.....	769,953	Sept. 13	1553	331	112	367
Mining, Milling, and Machinery Manufacturing Company. (See Bailey and Wild, assignors.)						
Miniszewski, Joseph de, Kwasow, Russia, assignor to I. Fernandez, Stantullano, Spain. Machine for cutting diamonds.....	778,059	Dec. 20	3177	699	113	2143
Miniszewski, Joseph von, Cologne, assignor to W. Skorzewski, Schloss Czerniejewo, near Schwarzenau, Germany. Diving apparatus.....	766,643	Aug. 2	1025	215	111	1268
Minnich, David A., et al. (See Raby, Richard, assignor.)						
Minnick, Henry D. (See Locke and Minnick.)						
Minnig, Elmer L., Harrisburg, Pa. Draft appliance for vehicles.....	771,482	Oct. 4	508	115	112	1067
Minnis, William C. (See Mathews, John S., assignor.)						
Minor, Charles O., deceased, Northampton, Mass.; L. M. Minor, administratrix. Rail-joint.....	771,022	Sept. 27	3624	763	112	865
Minor, J. P. (See Ellis, William, assignor.)						
Minor, Jesse, Pittsburg, Pa. Exercising-belt.....	777,478	Dec. 13	1987	440	113	1882
Minor, Lenora M., administratrix. (See Minor, Charles O.)						
Minor, Peter W., Batavia, N. Y. Auxiliary seat for vehicles.....	773,096	Oct. 25	3841	820	112	1849
Minshall, Charles. (See Sendelbach, Edward, assignor.) (Reissue.)						
Minter, Albie M., Petersburg, Colo. Seam-ripper.....	764,064	July 5	296	57	111	87
Minter, John E., Macon, Ga. Hand-truck.....	739,453	May 10	1785	361	110	484
Minto, George W., Ginter, Pa. Rope-hauling socket.....	754,589	Mar. 15	2765	602	109	637
Minturn, Joseph A. (See Jackson, Cyrus W., assignor.)						
Minturn, Joseph A., assignor of one-half to F. W. Noble, Indianapolis, Ind. Burglar-alarm.....	752,174	Feb. 16	2555	577	108	1653
Minturn, Raymond. (See Slater, Reuben D., assignor.)						
Mintzy, Irving A., Brockton, Mass. Shoetop-storm cooking device.....	756,878	Apr. 12	1319	294	109	1640
Miquel, Vincke & Meyer. (See Vincke, Gerhard H., assignor.)						
Miracle, Meridith W., assignor of one-half to W. E. Bruffey, Springdale, Ark. Cheese-cutter.....	773,087	Oct. 25	3842	820	112	1850
Miracle, Meridith W., assignor of one-half to J. T. Craig, Springdale, Ark. Fire-escape.....	776,609	Dec. 6	280	62	113	1492
Miracle Pressed Stone Company. (See Dow, Wallace L., assignor.)						
Mirk, Thomas. (See Hunt and Mirk.)						
Mirk, Thomas, San Francisco, Cal. Gage-glass protector.....	738,767	May 3	382	76	110	94
Miron, Francois. (See Huguet, Minart, and Miron.)						
Mirza, Ardeshir P., Jamnagar, Kathiawar, India. Automatic sluice-gate.....	778,621	Dec. 27	4400	962	113	2426
Misener, Matthew W., Vancouver, Canada. Steam cooking device.....	776,826	Dec. 6	924	199	113	1630
Mishler, Sylvester S., David City, assignor of one-half to M. Keller, Octavia, Nebr. Concave for threshing-machines.....	755,152	Mar. 22	3804	838	109	884
Mississippi Glass Company. (See Walsh, Robert A. B., assignor.)						
Missner, Max, Chemnitz, Germany. Fastening the jackets of double-walled vessels.....	755,684	Mar. 29	4795	1068	109	1110

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Missouri Locovolo Company. (See Ruby, Charles F., assignor.)						
Mist, William F. R., Tonbridge, England. Rotary engine	777,384	Dec. 13	1809	401 402	113	1942
Mitchell-Bissell Company. (See Mitchell, John R., assignor.)						
Mitchell, Charles, deceased, Southampton, England; J. Butcher, E. J. Burrow, and R. E. S. Mitchell, executors. Anchor	762,242	June 7	1192	256	110	1699
Mitchell, Charles E., New Britain, Conn. Ratchet mechanism	758,329	Apr. 26	4248	912 913	109	2309
Mitchell, Charles J., St. Clair, Mich. Bias-cutter	771,738	Oct. 4	1001	224	112	1173
Mitchell, Charles M., assignor to Mitchell Manufacturing Company, Portsmouth, Ohio. Vending-machine	767,306	Aug. 9	2380	497 498	111	1586
Mitchell, Frank E., Oshkosh, Wis. Megaphone	753,417	Mar. 1	375	88	109	82
Mitchell, George, Naco, Ariz. Ter. Slag-car	761,525	May 31	5839	1250	110	1367
Mitchell, Harris B. (See Hunt, John A., assignor.)						
Mitchell, Henry C., Andover, Mass. Rotary steam-engine	754,672	Mar. 15	2924	638	109	671
Mitchell, Henry L. (See Torrens, Clifford H., assignor.)						
Mitchell, Henry L., Marine City, Mich., assignor to J. D. Mitchell, Lakewood, Ohio. Truing device for valve-seats	776,610	Dec. 6	282	62	113	1492
Mitchell, James C., assignor of three-fourths to M. E. Hartford and G. A. Marshall, Lancaster, N. H. Nut-lock	754,590	Mar. 15	2766	603	109	637
Mitchell, James D. (See Mitchell, Henry L., assignor.)						
Mitchell, James E., Lowell, Mass., assignor to Mitchell Tongueless Buckle Company, New York, N. Y. Buckle	751,867	Feb. 9	2020	457	108	1508
Mitchell, James E., assignor to No-So Buckle Company, New York, N. Y. Buckle	764,065	July 5	296	57	111	67
Mitchell, James G., Charleroi, Pa. Attachment for athletic shoes	754,673	Mar. 15	2925	639	109	671
Mitchell, James H., Philadelphia, Pa. Dough sheeting and lapping machine	777,349	Dec. 13	1741	386 387	113	1823
Mitchell, James R. (See Mitchell, Winfield J. and J. R.)						
Mitchell, John E. (See Heyde and Mitchell.)						
Mitchell, John E., St. Louis, Mo. Grain-separator	760,901	May 24	4624	985	110	1083
Mitchell, John E., St. Louis, Mo. Grain-scourer	767,910	Aug. 16	3553	752	111	1863
Mitchell, John E., and D. Parks, St. Louis, Mo. Apparatus for the electrical treatment of air	773,407	Oct. 25	4590	940	112	2017
Mitchell, John H. (See Noyes, Charles W., assignor.)						
Mitchell, John R., Perth, Canada. Device for securing artificial bicuspsids or molars in crown and bridge work	770,768	Sept. 27	3104	659	112	750
Mitchell, John R., New York, N. Y. Hook for drop-wires on doubling or other textile machines	774,593	Nov. 8	2025	442	113	466
Mitchell, John R., assignor to Mitchell-Bissell Company, New York, N. Y. Thread-guide for spooling-machines	763,995	July 5	140	24	111	37
Mitchell, Joseph, Bellevue, Ohio. Extension-table	775,377	Nov. 22	3712	788	113	894
Mitchell, Kerr M., St. Joseph, assignor of one-half to J. Dell, St. Louis, Mo. Platform used in charging or discharging retorts in gas-benches	760,640	May 24	4085	868 869	110	970
Mitchell, Lottie A. and M. E. Huntington, Ind. Combined hemmer, tucker, and corder	766,509	Aug. 2	747	156	111	1203
Mitchell, Louis J., et al. (See Langguth, Charles, assignor.)						
Mitchell Manufacturing Company. (See Mitchell, Charles M., assignor.)						
Mitchell, Margaret E. (See Mitchell, Lottie A. and M. E.)						
Mitchell, McClellan C., Omaha, Nebr. Derrailing-block	766,960	Aug. 9	1719	360	111	1443
Mitchell, Melvin, Madison, Wis. Rotary seed-disk	763,308	June 21	3339	723 724	110	2205
Mitchell, Melvin, Madison, Wis. Attachment for grain-drills	769,101	Aug. 30	6077	1270	111	2464
Mitchell, Melvin, Madison, Wis. Seed-drill	770,185	Sept. 13	1972	419	112	460
Mitchell, Reuben A., and L. L. Lewis, assignors to Oil City Gas Engine Starter Company, Oil City, Pa. Steam-generator	757,050	Apr. 12	1679	364	109	1716
Mitchell, Reuben A., and L. L. Lewis, assignors of one-eighth to J. F. Davis, Oil City, Pa. Governor-valve for gas-engines	762,833	June 14	2426	527	110	1982
Mitchell, Robert C. (See Blackmore, Henry S., assignor.)						
Mitchell, Robert E. S., et al., executors. (See Mitchell, Charles.)						
Mitchell, Rodney, Peoria, Ill. Feeding mechanism for book-sewing machines	752,791	Feb. 23	3800	850 851	108	1937
Mitchell, Samuel L., Columbia, Miss. Wagon	774,263	Nov. 8	1410	301	113	335
Mitchell, Stephen H., Chicago, Ill. Loose-leaf binder	762,427	June 14	1580	345	110	1801
Mitchell, Thomas J., assignor of one-half to F. Nelson, Rustburg, Va. Resawing-machine	757,946	Apr. 19	3458	749	109	2117
Mitchell, Thomas W., Omaha, Nebr. Steam-engine	774,688	Nov. 8	2194	480 479	113	503
Mitchell Tongueless Buckle Company. (See Mitchell, James E., assignor.)						
Mitchell, Walter C., assignor to Mound City Roofing Tile Company, St. Louis, Mo. Tile roof	777,068	Dec. 6	1197	261	113	1694
Mitchell, William C., Manchester, England. Reversing means for machine-tools, &c.	755,517	Mar. 22	4474	994 995	109	1024
Mitchell, William C., and M. Cummins, Trafford Park, England, assignors to Westinghouse Air Brake Company, Pittsburg, Pa. Car-brake	761,692	June 7	141	26	110	1469
Mitchell, William D., Toronto, Canada. Combination credit-file	748,631	Jan. 5	152	37	108	84
Mitchell, William E., Stockton, Cal. Vehicle-wheel	759,000	May 3	890	169	110	191
Mitchell, William H., Roxbury, assignor of two-thirds to A. H. and S. B. Field, Boston, Mass. Weighing attachment for refrigerators	765,146	July 12	2513	525	111	562
Mitchell, Willis, Malden, assignor of one-half to J. T. Clarkson, Amesbury, Mass. Steam-generator	767,950	Aug. 16	3641	770	111	1881
Mitchell, Winfield J. and J. R., assignors to Flexible Metal Manufacturing Company, Lynn, Mass. Burnishing device	774,444	Nov. 8	1734	373	113	405
Mitchem, Charles E., Harvard, Ill. Remnant-table	749,709	Jan. 19	2554	542	108	606
Mittreiter, William, Watervally, Miss. Cross-head for locomotives	770,504	Sept. 20	2803	552	112	621
Mittineague Paper Company. (See Crosier, Charles H., assignor.)						
Mitts, William S., Saginaw, Mich. Buggy-wrench	776,412	Nov. 29	5781	1224	113	1374
Mix, Allen H., and W. H. N. Maynard, assignors to Porter Screen Manufacturing Company, Burlington, Vt. Window-screens	778,423	Dec. 27	3903	850	113	2318
Mixer, Curtis G., Muskegon, Mich. Frame for holding signs	758,068	Apr. 26	3753	816	109	2198
Miyabara, Jiro, Tokio, Japan. Water-tube boiler	756,179	Mar. 29	5759	1271 1272	109	1324
Mize, John J., Pelham, Ga. Stalk-cutter	773,068	Oct. 25	3845	821	112	1850
Mizzi, Lewis F. (See Leconte, Proxextat, assignor.)						
Moak, William V., Albany, N. Y. Electric railway-signal	750,296	Jan. 26	3484	754	108	825
Moakler, John W., New York, N. Y. Motor-vehicle	766,191	Aug. 2	70	13	111	1056
Moakler, John W., New York, N. Y. Worm-gearing	767,558	Aug. 16	2947	617	111	1731
Moakler, John W., New York, N. Y. Roller-bearing	777,479	Dec. 13	1998	440	113	1882

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Mobbs and Lewis. (See Lewis, Alfred, assignor.)						
Mobley, Richard, St. Louis, Mo. Car-door	760,902	May 24	4627	986	110	1083
Mock, Charles H., assignor of three-fourths to A. Gangloff and H. C. Richmond, Pittsburg, Pa. Folding stool	772,316	Oct. 11	2229	488	112	1456
Mock, James C., Detroit, Mich. Insulated rail-joint	761,526	May 31	5841	1250	110	1368
Mock, Robert E., Lahoma, Okla. Ter. Chair-brace	752,243	Feb. 16	2734	606	108	1687
Mcombe, Charles de, Paris, France. Automatic check and release mechanism for hoisting apparatus	770,087	Sept. 13	1784	377	112	420
Model Bottling Machinery Company. (See Wagner, Edward, assignor.)						
Modern Iron Works. (See Walcott, Erastus L., assignor.)						
Moeckel, Aratine G., Rockwall, Tex. Filter for rain-spouts	759,908	May 17	2649	555	110	630
Moehring, Hermann. (See Spiegel and Moehring.)						
Moellenbrock, Frank, Dissen, Mo. Box-fastener	753,996	Mar. 8	1557	348	109	359
Moeller, William A., Cincinnati, Ohio. Thill-support	765,393	July 19	2986	625	111	682
Moersch, Ernst G., assignor to himself, W. C. Garrison, and F. C. Fraentzel, Newark, N. J. Can and can-opening therefor	759,460	May 10	1787	361	110	424
Moesinger, Traugott, Brooklyn, N. Y. Machine for rolling cigarettes or like articles	770,240	Sept. 13	2078	437	112	485
Moeslein, Valentine, Weehawken, N. J. Construction of floors, partitions, or the like	758,555	Apr. 26	4676	1009	109	2404
Moest, Martin, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Oxidizing organic compounds	757,136	Apr. 12	1851		100	1754
Moevs, Paul, Detroit, Mich. Eyeglasses	760,008	May 17	2860	598	110	678
Moffat, Henry E., Woodstock, Canada. Steam-boiler	772,729	Oct. 18	3057	612	112	1656
Moffett, A. D., et al. (See Kirkpatrick, James E., assignor.)						
Moffett, Charles A., and F. B. Keiser, Birmingham, Ala. Ore or grain chute	752,848	Feb. 23	3919	878	108	1062
Moffett, Lloyd T., and F. W. Duencel, St. Louis, Mo. Angle-meter	769,226	Sept. 6	168	41	112	37
Moffitt, Alexander, Elkins, W. Va. Car-coupling	750,833	Jan. 29	3646	792	108	862
Moffitt, Andrew A., Pawton, N. J. Lamp-reflectacle	771,916	Oct. 11	1594	317	112	1270
Moffitt, Emmett L. (See Harris, Thomas D., assignor.)						
Moffitt, Fred W., Chicago, Ill. Nasal douche	750,297	Jan. 26	3487	754	108	826
Moffitt, John E., et al. (See Van Meter, James M., assignor.)						
Mohlenhoff, Hermann J., assignor to G. K. Wallace, C. D. Newton, and F. M. Sames, New York, N. Y. Gearing	751,535	Feb. 9	1377	314	108	1370
Mohlenhoff, Hermann J., assignor to G. K. Wallace, F. M. Sames, and C. D. Newton, New York, N. Y. Reversing-gear and clutch mechanism	758,768	May 3	383	76	110	94
Mohler, Benjamin F., Newark, Ohio. Envelop	773,296	Oct. 25	4350	919	112	1967
Mohler, Charles M., Kenosha, Wis. Carbureter for hydrocarbon-engines	759,001	May 3	832	169	110	192
Mohler, Levi D. (See Hall and Mohler.)						
Mühlig, Joseph, Aix-la-Chapelle, Germany. Spanner or wrench	777,910	Dec. 20	2886	635	113	2084
Mohs, Carl J., assignor to Wanderer Fahrradwerke, vorm. Winkhofer & Jaenicke, A. G., Chemnitz, Germany. Platen-shifting mechanism	773,217	Oct. 25	4204	889	112	1934
Mohr, John, Latrobe, Pa. Rotary engine	764,066	July 5	297	58	111	67
Mohr, Mathias F., Plantsville, Conn. Handle-fastening	763,094	June 21	2617	567	110	2045
Mohun, John L., Trenton, N. J. Journal-box lid	760,748	May 24	4325	918	110	1019
Moir, Ernest W., assignor to S. Pearson and Son, Limited, London, England. Constructing tunnels	774,594	Nov. 8	2026	442	113	466
Moir, Ernest W., assignor to S. Pearson and Son, Limited, London, England. Constructing tunnels	774,595	Nov. 8	2027	443	113	467
Moldenhauer, Frederick W., Oconomowoc, Wis. Weighing apparatus	756,681	Apr. 5	933	204	109	1542
Moldenke, Richard G. G. (See Viola, Bartholomew, assignor.)						
Molin, Charles G., Warren, Pa. Wrench	758,266	Apr. 26	4100	887	109	2275
Molin, Per, Eslöf, Sweden. Fountain-pen	769,393	Sept. 6	507	112	112	114
Moline Plow Company. (See Lindgren, Alexis C., assignor.)						
Moline Plow Company. (See Lindgren, August, assignor.)						
Molitor, Charles, Chicago, Ill. Coin-controlled game apparatus	749,698	Jan. 12	2331	492	108	540
Mollencup, H. H., et al. (See Rice, Christopher B., Jr., assignor.)						
Möller, Heinrich A. (See Baumgart and Möller.)						
Möller, Max, Brunswick, Germany, assignor to W. Mueser, New York, N. Y. Abutment for arches	776,252	Nov. 29	5493	1163	113	1808
Mollere, Mederic C., assignor of one-half to L. P. Labarthe, Bellerose, La. Wet-moss carding and cleaning machine	772,365	Oct. 18	2842	514	112	1502
Mollet, Alexander L., Stonecoal, W. Va., assignor to M. E. Johnson, executrix of Iver Johnson, Fitchburg, Mass. Revolving firearm	749,212	Jan. 12	1356	291	108	333
Möllmann, Carl J. (See Dierks and Möllmann.)						
Molyneux, Frank L., Painesville, Ohio. Truss	772,664	Oct. 18	2916	640	112	1626
Monaghan, Frank. (See Hague, John L., assignor.)						
Monaghan, John J., Providence, R. I. Curtain-fold threader	758,845	May 3	525	107	110	125
Monahan, Robert F., Buffalo, N. Y. Handle-bar	777,385	Dec. 13	1815	402	113	1844
Monarch Coupler Company. (See Simpson, Thomas H., assignor.)						
Monash-Younger Company. (See Leuthesser, Fred W., assignor.)						
Monbeig, Julien H., Caresse, and P. Forsans, Biarritz, France. Pillow or bush for the axles of vehicles or other purposes	765,366	July 19	2935	613	111	671
Moncrieff, Robert W., Newport Pagnell, England. Apparatus for spinning and doubling	755,153	Mar. 32	3905	838	109	884
Monell, Ira F., Boulder, Colo. Ore-slimer	768,197	June 21	3104	675	110	2162
Monier, Gaston, Jr. (See Pelletier and Monier.)						
Monin, Charles, Le Mans, France. Pulley of variable diameter	765,334	June 14	1896	302	110	1762
Monin, Charles, Le Mans, France. Variable-speed-transmission gear	771,261	Oct. 4	80	18	112	979
Monin, Charles, Boulogne-sur-Mer, France. Variable-speed gear	777,740	Dec. 20	2499	552	113	2007
Monitor Drill Company. (See Schwab, Peter W., assignor.)						
Monjeau, Cleophas, Middletown, Ohio. Water purification	750,474	Jan. 36	3812	828	108	899
Monnier, Alfred P., Greenfield, Mich. Mute for water-pipes	758,175	Feb. 16	2957	778	108	1653
Monoline Composing Company. (See Scudder, Wilbur S., assignor.)						
Monroe, Edwin C., Liberty, N. Y. Sawmill set-works	764,484	July 5	1170	239	111	258
Monroe, John, et al. (See Henderson, Ewen C., assignor.)						
Monroe, Robert F., Pontiac, Mich. Vehicle-body	750,298	Jan. 26	3490	755	108	826
Monroe, Will K., Cleveland, Ohio. Clam-shell bucket	755,912	Mar. 29	5282	1165	109	1222
Monroe, William E., Newport, Ky., assignor of one-half to F. Nunning & Son, Cincinnati, Ohio. Screen	767,487	Aug. 16	2745	576	111	1686
Monski, Alexander, Eilenberg, Germany. Motion-transmitter	765,029	July 12	2890	477	111	516
Monson, George, Schenectady, N. Y., assignor to General Electric Company. Electric switch	750,993	Feb. 2	893	93, 94	108	1144

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Montague, Dwight P. (See Owens, Charles, assignor.)						
Montague, John L. C., Christiansburg, Va. Temporary binder	750,676	Jan. 26	4197	910	108	977
Montague, John R. (See Copeland and Montague.)						
Montague, Wilfred W. (See Helwig and Montague.)						
Montandon, Fritz, La Chaux-de-Fonds, Switzerland. Speed-indicating apparatus	772,625	Oct. 18	2849	625	112	1611
Montaner, Martin, Palamos, Spain. Cork stopper	768,391	Aug. 23	4635	970	111	2139
Montanye, B. F., et al. (See Russell, William M., assignor.)						
Monteagle, Robert C., assignor of one-half to E. M. Vynne, New York, N. Y. Heat-conducting tube	770,599	Sept. 20	2779	590	112	660
Montel, Leo, New York, N. Y. Lamp	755,685	Mar. 29	4796	1068	109	1110
Montel, Leo, New York, N. Y. Acetylene-gas generator	761,386	May 31	5607	1194	110	1314
Montell, May, Baltimore, Md., assignor of one-half to L. C. White, Jacksonville, Ill. Revolving toy	760,009	May 17	2861	599	110	678
Montenegro y Van-Halen, Antonio, Madrid, Spain. Pneumatic fluid elevator or pump	750,326	Jan. 26	3552	767 768 769	108	842
Montmerier y Agramonte, Clarence H., Mexico, Mexico. Gas-retort	756,518	Apr. 5	643	138 139 140	109	1477
Montmerier y Agramonte, Clarence H., Mexico, Mexico. Burner-casing	759,541	May 10	1949	399	110	461
Montmerier y Agramonte, Clarence H., Mexico, Mexico. Hydrocarbon-gas generator and burner	762,183	June 7	1080	228	110	1673
Montmerier y Agramonte, Clarence H., Mexico, Mexico. Hydrocarbon-burner	766,721	Aug. 2	1197	251 252 253	111	1307
Montmerier y Agramonte, Clarence H., Mexico, Mexico. Hydrocarbon-burner	773,889	Nov. 1	701	147	113	161
Montgomery, Andrew K., Philadelphia, Pa. Steam-trap	759,461	May 10	1790	362	110	425
Montgomery, Arthur M., Chicago, Ill. Making sign-plates	774,772	Nov. 15	2415	530	113	576
Montgomery, Henry J., Silvercreek, N. Y. Couch-display truck	748,770	Jan. 5	400	92	108	89
Montgomery, James H., Denver, Colo. Stamping-mill	760,010	May 17	2862	599	110	679
Montgomery, James P., assignor of one-fourth to O. Martinson, Wichita, Kans. Animal-poke	758,213	Apr. 26	3990	866	109	2252
Montgomery, James W., Ochlochnee, Ga. Washing-machine	757,829	Apr. 19	3340	703	109	2068
Montgomery, John W., Nimrod, Tex. Wire-stretcher	756,389	Apr. 5	401	82	109	1429
Montgomery, Joseph, Fort Worth, Tex. Binder	755,380	Mar. 22	4421	937	109	762
Montgomery, Lewis E., et al. (See Hanstine, Harry S., assignor.)						
Montgomery, Samuel, New York, N. Y. Pick	767,951	Aug. 16	3648	770	111	1881
Montgomery, Thomas J., Youngstown, Ohio. Wheelbarrow	756,262	Aug. 5	138	27	109	1373
Montgomery, Walter R., Shreveport, La. Folding table	757,481	Apr. 19	2541	559	109	1914
Montgomery, Wells D. (See Connolly and Montgomery.)						
Monti, Eudo, Turin, Italy. Concentrating wine, &c.	761,387	May 31	5612	1195	110	1914
Montigny, Emile J., New York, N. Y. Corset attachment	767,307	Aug. 9	3973	499	111	1586
Montlond, Georges B. de, New York, N. Y. Solution for treating textile fibers	762,834	Dec. 14	2429	---	110	1983
Montpelier Cup and Metal Works et al. (See Kendrick, George R., assignor.)						
Montupet, Antonin, Paris, France. Steam-generator	776,530	June 6	127	29	113	1454
Moody, Kenneth, and J. S. Small, assignors of one-fourth to R. H. Pierce and S. G. Neller, Chicago, Ill. Apparatus for selective signaling	750,777	Jan. 26	4436	956 957	108	1032
Moody, Benjamin A., West Roxbury, Mass., assignor to B. A. Moody Hydro-Carbon Burner Company, Portland, Me. Hydrocarbon-burner	756,796	Apr. 5	1160	257	109	1592
Moody, Frances E., Toronto, Canada. Combined skirt and undergarment adjuster and hose-supporter	775,305	Nov. 22	3556	749	113	860
Moody, Henry T., assignor to Victor Manufacturing Company, Newburyport, Mass. Fire door or shutter	777,300	Dec. 13	1629	363	113	1803
Moody, Walter S., Schenectady, N. Y., assignor to General Electric Company. Transformer	764,485	July 5	1172	239	111	258
Moody, Walter S., Schenectady, N. Y., assignor to General Electric Company. Automatic regulator	770,017	Sept. 13	1676	356	112	396
Moody, Walter S., Schenectady, N. Y., assignor to General Electric Company. Alternating-current transformer	771,317	Oct. 4	189	41	112	1001
Moody, Winfield H., Dallas, Tex. Water-hoisting apparatus	775,843	Nov. 22	4674	990	113	1104
Moers, Louis P., assignor, by mesne assignments, to Peerless Motor Car Company, Cleveland, Ohio. Carbureting device for explosive-engines	749,315	Jan. 19	1568	332	108	377
Moers, Louis P., assignor, by mesne assignments, to Peerless Motor Car Company, Cleveland, Ohio. Change-speed gearing. (Reissue)	12,284	Nov. 15	3528	743 744	113	835
Moog, Philip H., New York, N. Y., assignor to Alfred Peats Company. Combined sample carrier and display-rack	754,227	Mar. 8	1998	444	109	456
Moomaw, Henry E., Chattanooga, Tenn. Fireplace-grate	770,729	Sept. 20	3025	643	112	715
Moon, Allen. (See MacMaster, Abraham L., assignor.)						
Moon, Charles R., Muncie, Ind. Clutch	756,390	Apr. 5	402	82, 83	109	1429
Moon, Charles R., Muncie, Ind. Feeding-hopper	756,974	Apr. 12	1520	334	109	1681
Moon, Charles R., Muncie, Ind. Chuck	757,561	Apr. 19	2710	592	109	1951
Moon, Charles R., Muncie, Ind. Bolt pointing and threading machine	773,513	Oct. 25	4825	1016 1017 1018	112	2068
Moon, Claborn F., assignor to himself and T. J. McAdoo, Greensboro, N. C. Instrument for plotting gear-teeth	776,340	Nov. 29	5644	1196	113	1341
Moon, De Witt A., Louisville, Ky., assignor to American Seeding Machine Company, Jersey City, N. J. Grain-drill	777,123	Dec. 13	1324	293	113	1737
Moon, Dewitt A., assignor to F. W. Taylor, Louisville, Ky. Packet-closer	758,459	Apr. 26	4489	965	109	2362
Moon, Orville P., Lorain, Ohio. Vaginal syringe	750,878	Feb. 2	191	44	108	1099
Mooney, Thomas E., Schenectady, N. Y. Gage for sand-boxes	757,947	Apr. 19	3459	749	109	2117
Mooney, Thomas H., Dayton, Ohio. Apparatus for grinding tile	754,591	Mar. 15	2767	603	109	638
Moorecroft, Georgiana M., Portsmouth, N. H. Attachment for hat-stands	777,450	Dec. 13	1950	440	113	1833
Moore, Abraham L. (See Sennett and Moore.)						
Moore, Albert W., Chicago, Ill. Certificate of deposit	763,778	June 28	4269	930	110	2427
Moore, Arthur L., and R. Deming, assignors to Cleveland Pulley Company, Cleveland, Ohio. Pulley	756,391	Apr. 5	404	83	109	1430
Moore, Arthur S., Notting Hill, London, England. Lamp-suspender	756,393	Apr. 5	140	28	109	1373
Moore Carving Machine Company. (See Yarnell, Charles S., assignor.)						
Moore, Charles A., Newark, Ohio. Stringed musical instrument	761,693	June 7	143	27	110	1470
Moore, Charles H., New York, N. Y. Washbasin-fixture and basin	773,408	Oct. 25	4692	970	113	3018
Moore, Clifford S., assignor of one-half to B. C. Read, Holyoke, Mass. Electric time-switch	775,844	Nov. 22	4676	990	113	1014
Moore, Cyrus W., assignor of one-half to C. L. Thompson, Milan, Tenn. Pea-hauler	766,644	Aug. 2	1028	216	111	1269
Moore, Daniel M., Newark, N. J. Electric tube-lamp	749,998	Jan. 19	2931	626	108	688
Moore, Daniel M., Newark, N. J. Electrode for electric tube-lamps	749,999	Jan. 19	2933	626	108	688

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Moore, Daniel M., Newark, N. J. Apparatus for wireless transmission of energy	755,032	Mar. 22	3603	791	109	839
Moore, Daniel M., Newark, N. J. Peaked-wave wireless transmission	755,305	Mar. 22	4083	904	109	940
Moore, Daniel M., Newark, N. J. Electric tube-lighting	755,306	Mar. 22	4085	904	109	940
Moore, Daniel M., Newark, N. J. Electric tube-lighting	755,307	Mar. 22	4089	904	109	941
Moore, David P., Washington, D. C. Milk-jar closure or cap	761,005	May 24	4822	1024	110	1126
Moore, Edward J., assignor of one-half to Sherwin-Williams Company, Cleveland, Ohio. } Bail-ear-soldering machine	764,536	July 5	1306	265 266	111	286
Moore, Edward S., San Francisco, Cal., assignor to G. Moore, Decorah, Iowa. Milk-re- ceptacle	773,960	Nov. 1	856	180	113	197
Moore, Edward T., Newburgh, N. Y. Combined starter and regulator for electric mo- tors	765,030	July 12	2291	477	111	516
Moore, Edward Y., Cleveland, Ohio. Hoist	757,333	Apr. 12	2244	489 839	109	1836
Moore, Edwin A., Philadelphia, Pa. Coke quenching and bleaching apparatus	755,154	Mar. 22	3807	840 841	109	884
Moore, Edwin A., Philadelphia, Pa. Quenching and bleaching coke	755,155	Mar. 22	3810	841 842	109	885
Moore, Edwin A., Philadelphia, Pa. Coke quenching and bleaching apparatus	774,330	Nov. 8	1540	330	113	364
Moore, Ethelbert A., assignor to Stanley Works, New Britain, Conn. Manufacturing latch-lifting device	768,615	Aug. 30	5100	1072	111	2247
Moore, Ethelbert A., and W. H. Hart, New Britain, Conn. Bolt	777,695	Dec. 20	2402	528	113	1985
Moore, Ethelbert A., and W. H. Hart, New Britain, Conn. Bolt	777,697	Dec. 20	2403	528	113	1985
Moore, Frank W. (See Gerlach and Moore.)						
Moore, Frederick W., Providence, R. I. Locket	769,178	Sept. 6	81	20	112	19
Moore, George, Monroe, Wash. Logging device	751,322	Feb. 2	1028	233 234	108	1272
Moore, George, Shippingport, Pa. Wrench	755,518	Mar. 22	4477	995	109	1025
Moore, George, Salt Lake City, Utah. Filtering	764,486	July 5	1173	239	111	258
Moore, George A., New York, N. Y. Coin-operated weighing-machine	772,420	Oct. 18	2461	540	112	1359
Moore, George A., New York, N. Y., assignor to American Talking Scale Company, Au- gusta, Me. Announcing-machine	764,748	July 12	1748	856	111	398
Moore, George N., and M. O'Neill, assignors of one-third to W. W. Currier, New York, N. Y. Speed-indicator	758,596	Apr. 26	4763	1025	109	2424
Moore, George T., Washington, D. C. Preparing for distribution organisms which fix atmospheric nitrogen	755,519	Mar. 22	4478	995	109	1026
Moore, Gertrude. (See Moore, Edward S., assignor.)						
Moore, Harvey E., Eureka, Ill. Corn-husking machine	773,664	Nov. 1	246	55, 56	113	59
Moore, Henry J., Rochester, N. Y. Loose-leaf binder for ledgers or other similar pur- poses	767,161	Aug. 9	2127	442 443	111	1530
Moore, Horatio S., Monongahela, assignor of one-half to T. M. Evans, McKeesport, Pa. Haulage system	769,911	Sept. 13	1469	315	112	349
Moore, Horatio S., Monongahela, assignor of one-half to T. M. Evans, McKeesport, Pa. Car-haulage system	771,788	Oct. 4	1121	250	112	1199
Moore, Ila N., Battlecreek, Mich. Valve	770,088	Sept. 13	1786	377	112	420
Moore, James A., Peachland, N. C. Stave-jointing machine	764,612	July 12	1467	399 300	111	337
Moore, James C., Philadelphia, Pa. Pyrotechnic signal-alarm and burning torch	768,065	Aug. 23	3919	822	111	1963
Moore, James E. A. (See Wellman and Moore.)						
Moore, James F., Greatbend, Kans. Fencing-tool	765,031	July 12	2294	477	111	517
Moore, John, Indianapolis, Ind. Truck	774,445	Nov. 8	1735	374	113	405
Moore, John C., Lower Edmonton, England. Door-spring	753,927	Mar. 8	1559	348	109	360
Moore, John C., Lower Edmonton, England. Door-spring	753,958	Mar. 8	1559	348	109	360
Moore, John J., Bula, W. Va. Whiffletree-hook	763,065	June 21	2875	621	110	2103
Moore, John J., Bula, W. Va. Carpet-stretcher	774,596	Nov. 8	2029	443	113	467
Moore, John M., Wena, Ala. Distilling apparatus	749,316	Jan. 12	1570	332	108	378
Moore, La Fayette, Cordele, Ga. Dry-kill	769,102	Aug. 30	6079	1271	111	2464
Moore, La Fayette, Cordele, Ga. Dry-kill	769,103	Aug. 30	6082	1272	111	2465
Moore, Lafayette, Tuskegee, Ala. Desk-lock	750,384	Jan. 26	3618	792	108	862
Moore, Leon P., Smithville, Tex. Seat-lock for wagons	767,589	Aug. 16	2948	617	111	1732
Moore, Marshall G., Johnstown, Pa. Mine-car coupling	776,531	Dec. 6	129	29, 30	113	34
Moore, Marshall G., Johnstown, and R. V. Sage, borough of Westmont, Pa. Miner's safety-lamp	748,632	Jan. 5	154	87	108	24
Moore, Melville M., Sr., Santa Barbara, Cal. Lifting-jack	748,972	Jan. 5	890	176	108	193
Moore, Odus B., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufactur- ing Company. Transformer insulation	765,189	July 19	2591	542	111	596
Moore, Orville H., Fort Edward, N. Y. Pulp-screen	778,692	Dec. 27	4400	963	113	2426
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction draft-gear for railway-cars	754,674	Mar. 15	2926	639	109	671
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction draft-rigging for railway-cars	754,675	Mar. 15	2929	639 640	109	672
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Tandem friction spring draft-rigging for railway-cars	754,676	Mar. 15	2932	640	109	673
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction spring draft-gear for railway-cars	754,677	Mar. 15	2935	640 641	109	673
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction spring draft-rigging for railway-cars	754,678	Mar. 15	2937	641	109	674
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction spring draft-rigging for railway-cars	754,679	Mar. 15	2939	641 642	109	674
Moore, Peter N., assignor to J. J. Hennessey, Milwaukee, Wis., and W. H. Miner, Chicago, Ill. Friction draft-gear for railway-cars	754,932	Mar. 15	3412	746	109	780
Moore, Robert A., Toronto, Canada. Running-gear for vehicles	754,680	Mar. 15	2941	642	109	675
Moore, Robert A., Huntsville, Ala. Time circuit-controller	771,436	Oct. 4	438	99	112	1050
Moore, Samuel E., assignor of one-half to I. H. Van Eaton, Ada, Ind. Ter. Grocer's cabinet	755,156	Mar. 22	3812	842	109	886
Moore, Sidney S., Crockett, Tex. Rail-joint	750,778	Jan. 26	4440	957	108	1033
Moore, Sidney S., Crockett, Tex. Stove	761,527	May 31	5843	1251 1252	110	1368
Moore, T. F. (See Howze, William, assignor.)						
Moore, Thomas F. (See Love, Joseph A., assignor.)						
Moore, Thomas F., Syracuse, N. Y. Excavating apparatus	769,828	Sept. 13	1328	282	112	318
Moore, Thomas J. (See Rieker and Moore.)						
Moore, Thomas J., New York, N. Y., assignor to R. Neumann Hardware Company. End piece and loop for handles	778,060	Dec. 20	3178	699	113	2143
Moore, Walter T. (See Simmons and Moore.)						
Moore, William C., Springfield, Mo. Combination step-ladder and ironing-board	772,815	Oct. 18	3217	707	112	1690

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Moore, William E. (See MacKay and Moore.)						
Moore, William N., Joliet, Ill., and G. W. Cope, Detroit, Mich., assignors to Joliet Stone Works, Joliet, Ill. Ash-chute for stoves	750,879	Feb. 2	193	44	108	1100
Moorhouse, George. (See Patten and Lippy, assignors.)						
Moork, George, assignor of one-third to W. R. Rummel, Chicago, Ill. Burner for fluid fuel	704,860	July 12	1979	408	111	449
Moorman, Julia E., Grand Rapids, Mich. Lady's work-table	771,562	Oct. 4	684	152	112	1104
Moors, George F., assignor of one-half to W. E. McFarland, Owensboro, Ky. Gate	775,306	Nov. 22	3557	750	113	860
Moorwood, Hedley S. (See Bennett and Moorwood.)						
Moos, Christian H., Stillwater, Minn. Trap-door opener	762,741	June 14	2236	486	110	1940
Mooser, Albert H., and O. H. Root, Grass Valley, Cal. Posting proof and balance books	775,044	Nov. 15	2961	632	113	099
Morality, James, Hartford, Conn. Exercising-machine	759,296	May 10	1476	296	110	358
Moran, Daniel E., Mendham, N. J., assignor of two-thirds to E. S. Jarrett, New York, N. Y., and F. Remington, Greenwich, Conn. Caisson	759,388	May 10	1663	336	110	397
Moran, Daniel E., Mendham, N. J., assignor of two-thirds to E. S. Jarrett, New York, N. Y., and F. Remington, Greenwich, Conn. Caisson	759,389	May 10	1666	337	110	397
Moran, David P., Wichita, Kans. Car-coupling	748,874	Jan. 5	609	137	108	136
Moran, Edward, Charleston, W. Va. Car-bumper	766,056	July 26	4805	922	111	976
Moran, Edward, Charleston, W. Va. Car-dump	766,110	July 26	4420	946	111	1000
Moran, Elijah F., Choice, Minn. Draft-equalizer	757,761	Apr. 19	3108	677	109	2039
Moran Flexible Steam Joint Company. (See Moran, Thomas W., assignor.)						
Moran, John D., St. Paul, Minn. Excavating-machine	754,480	Mar. 15	2558	1556	109	595
Moran, Thomas F., Philadelphia, Pa. Device for cutting asphalt	755,157	Mar. 22	3813	843	109	886
Moran, Thomas F., De Young, and F. J. Moser, Kane, Pa. Elevating liquids from wells	751,333	Feb. 2	1030	294	108	1277
Moran, Thomas F., De Young, and F. J. Moser, Kane, Pa. Mechanism for raising liquids from deep wells	760,903	May 24	4631	1986	110	1085
Moran, Thomas W., assignor to Moran Flexible Steam Joint Company, Louisville, Ky. Flexible joint	758,556	Apr. 26	4677	1009	109	2404
Moran, William J., Yonkers, N. Y. Fire-mask	751,091	Feb. 2	566	131	108	1183
Morand, Louis D., Paterson, N. J., assignor to W. J. Urchs, New York, N. Y. Machine for sizing and finishing velvings or other tuiles	776,532	Dec. 6	131	30.31	113	1454
Morath, Fred A. (See Hirschenfeld, Joseph, assignor.)						
Moravetz, Edward, Chicago, Ill. Parachute device for kites	764,740	July 12	1751	357	111	399
Morawetz, John, Castella, Cal. Gopher-trap	760,677	Jan. 26	4198	911	108	978
Morck, William, Oakland, Cal., assignor of one-half to J. H. Drake, Morgan Park, Ill. Vehicle-wheel	772,573	Oct. 18	2757	607	112	1593
Morom, Alfred, Birmingham, England. Spindle-bearing especially applicable to centrifugal pumps	770,600	Sept. 20	2780	590	112	660
Mordaunt, Harold V., Malden, Mass. Combined tie and rail-fastening	764,861	July 12	1981	409	111	450
More, Edward A. (See Friese and Gilbert, assignors.)						
Moreaun, Eugene, assignor to Britelite Lamp Company, New York, N. Y. Acetylene lamp or generator	778,596	Dec. 27	4236	922	113	2388
Morehead, James T. (See Roberts, Isaiah L., assignor.)						
Morehead, John, Detroit, Mich. Steam-trap	764,816	July 12	1889	1387	111	429
Morehouse, Eugene W., Providence, R. I. Automatic reducing and pointing machine	769,662	Sept. 6	988	214	112	225
Morehouse, George. (See Patten and Lippy, assignors.)						
Morehouse, Henry L. (See Kelsey, Willis S., assignor.)						
Morehouse, Jane A., Newark, N. J. Baby-jumper	777,386	Dec. 13	1816	402	113	1844
Moreland, Henry J., Pittsburg, assignor of one-fourth to M. E. Harrison and J. I. Galbreath, Parnassus, Pa. Valve or cock	760,546	May 24	3892	826	110	927
Moreland, Jesse I., Randolph, Tex. Washing-machine	764,613	July 12	1471	300	111	338
Moreland, Mora M., Kansas City, Mo. Detachable music-rack for pianos	774,264	Nov. 8	1412	302	113	335
Moreland, Quinn T. (See Maxey, Ernest, assignor.)						
Morell, Allen, Cripple Creek, Colo. Key-guard	763,290	June 28	5055	993	110	2486
Morell, Lawrence, Camden, N. J., assignor of one-half to J. Arnold, Philadelphia, Pa. Book cover and binder	762,184	June 7	1082	229	110	1674
Morell, William E. (See Erb and Morell.)						
Morency, Alfred F., assignor to Peerless Heater and Valve Company, Detroit, Mich. Ball-cock	774,194	Nov. 8	1289	273	113	308
Morey, Chester T., Cambridge, Mass. Block-signaling system for railways	770,769	Sept. 27	3104	659	112	750
Morey, Edward I., Telluride, Colo. Tappet for stamp-mills	752,462	Feb. 16	3163	705	108	1779
Morgan, Alfred W., assignor of one-fourth to L. M. Wood, Longbeach, Cal. Trolley	760,641	May 24	4086	869	110	970
Morgan, Alfred W., Urbana, assignor of one-half to J. Stuber and H. G. Kuck, Peoria, Ill. Car-seal	749,317	Jan. 12	1572	333	108	378
Morgan, Arthur C., Detroit, Mich. Scenic pleasure-railway	755,158	Mar. 22	3814	843	109	886
Morgan, Bernard, Rhinebeck, N. Y. Puppet-valve and support therefor	762,078	June 7	895	185	110	1631
Morgan, Charles, assignor to Arcade Manufacturing Company, Freeport, Ill. Mop-holder	749,940	Jan. 19	2825	603	108	665
Morgan, Charles, assignor to Arcade Manufacturing Company, Freeport, Ill. Mop-head	776,751	Dec. 6	577	126	113	1554
Morgan, Charles B., Cleveland, Ohio. Storage battery	773,961	Nov. 1	838	180	113	197
Morgan Construction Company. (See Carroll, Elbert H., assignor.)						
Morgan Construction Company. (See Edwards, Victor E., assignor.)						
Morgan Construction Company. (See George, Jerome R., assignor.)						
Morgan Crucible Company. (See Fox, James C., assignor.)						
Morgan Crucible Company. (See Speirs, Charles W., assignor.)						
Morgan, Daniel F., Toledo, Ohio. Glove	760,547	May 24	3893	827	110	928
Morgan, David G., Chinese, Cal. Drill-sharpener	753,926	May 3	696	139	110	163
Morgan, Doctor F., Chicago, Ill. Valve for radiators	763,066	Oct. 21	2576	621	110	2103
Morgan, Edmund C., Chicago, Ill. Automatic counterbalancing system for inclined railways	772,733	June 18	3069	671	112	1660
Morgan, Edmund C., Chicago, Ill. Gathering-locomotive for mine-haulage systems	772,734	Oct. 18	3075	672	112	1661
Morgan, Edmund C., assignor, by mesne assignments, to Morgan Electric Machine Company of West Virginia, Chicago, Ill. Combined third and traction rail for electric railways and switching systems embodying same	753,802	Mar. 1	1163	262	109	250
Morgan, Edmund C., Chicago, Ill., assignor to Morgan Electric Machine Company, East Chicago, Ind. Combined third and traction rail for electric railways	753,803	Mar. 1	1165	263	109	250
Morgan, Edmund C., assignor, by mesne assignments, to Morgan Electric Machine Company of West Virginia, Chicago, Ill. Electric-railway system	772,730	Oct. 18	3059	669	112	1657

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Morgan, Edmund C., Chicago, Ill., assignor to Morgan Electric Machine Company, East Chicago, Ind. Traction-rack rail for railways.	772,731	Oct. 18	3065	670	112	1659
Morgan, Edmund C. and J. H. Chicago, Ill., assignors to Morgan Electric Machine Company, East Chicago, Ind. Switching system for combined third and traction rails for electric railways.	772,732	Oct. 18	3067	670	112	1659
Morgan, Edward J. (See Orwin, Edward, assignor.)	776,791	Dec. 6	654	144	113	1570
Morgan, Edward M., Westmount, Canada. Beater for eggs, cream, &c.						
Morgan Electric Machine Company. (See Morgan, Edmund C., assignor.)						
Morgan Electric Machine Company. (See Morgan, Edmund C. and J. H., assignors.)						
Morgan Electric Machine Company. (See Sperry, Elmer A., assignor.)						
Morgan Electric Machine Company of West Virginia. (See Morgan, Edmund C., assignor.)						
Morgan Electric Machine Company of West Virginia. (See Sperry, Elmer A., assignor.)						
Morgan Engineering Company. (See Taylor, Clarence L., assignor.)						
Morgan, Frank L., Gladstone, Ill. Feeder for seeders.	763,067	June 21	2878	622	110	2103
Morgan, Harry E., Camden, N. J., assignor to Victor Talking Machine Company. Arm for talking-machines.	776,124	Nov. 29	5370	1137	113	1279
Morgan, Harry E. J., Midland Junction, Western Australia, Australia. Tobacco-pipe.	765,394	July 19	2988	625	111	683
Morgan, Henry C., Eugene, Oreg. Device for opening or closing gates.	762,835	June 14	2430	528	110	1983
Morgan, Isaac D., St. Louis, Mo. Piston-rod extension.	771,023	Sept. 27	3626	763	112	866
Morgan, James M., Toledo, Ohio. Magnet-contact for propulsion of cars.	777,124	Dec. 13	1325	293	113	1735
Morgan, John H. (See Morgan, Edmund C. and J. H.)						
Morgan, John H., Chicago, Ill. Means for anchoring the combined third and traction rail of electric railways.	750,880	Feb. 2	194	45	108	1100
Morgan, John H., Chicago, Ill. Throw-rail for combined third and traction rail switching systems.	772,735	Oct. 18	3078	672	112	1661
Morgan, John H., Chicago, Ill. Switching or crossover device for traction-rack-rail systems.	772,736	Oct. 18	3082	672	112	1662
Morgan, John T., Boise, Idaho. Pack-saddle.	751,334	Feb. 2	1032	234	108	1277
Morgan, John W. (See Ellman and Morgan.)						
Morgan, Newton, Springfield, Mass. Fan-deflector.	751,325	Feb. 2	1033	234	108	1277
Morgan Potter Company. (See Potter, Morgan, assignor.)						
Morgan, Ralph L., Worcester, Mass. Driving connection for motor-trucks.	765,292	July 19	2772	578	111	636
Morgan, Ralph L., Worcester, Mass. Motor-vehicle.	768,862	Aug. 30	5601	1177	111	2357
Morgan Spring Company. (See Bigelow, George E., assignor.)						
Morgan, Thomas R. (See Wellman, Seaver, and Morgan.)						
Morgan, Thomas W., assignor to W. W. Marsh, Waterloo, Iowa. Elastic collar-bearing for centrifugal machines.	767,524	Aug. 16	2820	590	111	1701
Morgan, William, Cleveland, Ohio. Screw-cutting die-head.	751,536	Feb. 9	1379	314	108	1370
Morgan, William A. (See Jackson, John W., assignor.)						
Morgan, William H., Seneca, Ill. Pipe-threading device.	774,597	Nov. 8	2030	443	113	467
Morgan, William J., et al. (See Pennington, Edward J., assignor.)						
Morgan, William S., Russell, Minn. Axle for automobile vehicles.	773,791	Dec. 27	4592	1003	113	2469
Morgans and Wilcox Manufacturing Company. (See Carl and Hanbauer, assignors.)						
Morgenthaler, John F., and J. S. Wickes, Allegheny, Pa. Boring-tool.	771,656	Oct. 4	860	192	112	1143
Morgenthau, Jesse, Pittsburg, Pa. Pleasure-boat.	771,382	Oct. 4	319	71	112	1023
Morley, William B., Philadelphia, Pa. Carriage.	765,983	July 26	4167	899	111	947
Moriarty, Edward. (See Spear and Moriarty.)						
Moriarty, John J. (See Lieske, Frank, assignor.)						
Moriarty, Joseph T. (See Heintsh and Moriarty.)						
Morig, John, Black Earth, Wis. Steering mechanism for vehicles.	763,500	June 28	3745	808	110	2314
Morison, Donald B., Hartlepool, England. Stamping apparatus for crushing ores, &c.	755,686	Mar. 29	4798	1068	109	1111
Morison, Donald B., Hartlepool, England. Mortar-box for stamp-mills.	755,913	Mar. 29	5284	1166	109	1222
Morison, Donald B., Hartlepool, England. Piston-ring.	757,214	Apr. 12	1995	434	109	1785
Morison, George S., Bendigo, Victoria, Australia. Steam-engine.	762,646	June 14	2039	441	110	1899
Moritz, Adolph, Montgomery, Ala., assignor of four-fifths to C. A. Wickersham, Culton county, Ga., W. N. Cox, O. H. Attridge, and F. G. Bennett, Montgomery county, Ala. Coupling.	760,233	May 17	3300	693	110	777
Moritz, August. (See Webber, Milton N., assignor.)						
Moriz & Kummer. (See Spoerl, Johann H., assignor.)						
Morley Button Manufacturing Company. (See Bennett, Walter E., assignor.)						
Morley Button Manufacturing Company. (See Merrill, Bernard A., assignor.)						
Morley Button Manufacturing Company. (See Smith, Willard A., assignor.)						
Morley, James. (See Morley, Richard and J.)						
Morley, James T. R. de, London, England. Apparatus for the manufacture of mineral or aerated waters.	778,260	Dec. 27	3565	781	113	2245
Morley, Richard and J., Liverpool, England. Device for discharging barges, lighters, or other cargo vessels.	774,331	Nov. 8	1541	330	113	364
Morlock, Albert. (See Morrison and Morlock.)						
Morlock, Charles. (See Kary, Frank, assignor.)						
Morrill, Frederick P., et al. (See Dupuis and Fell, assignors.)						
Morrill, Frederick P. (See Martin, Whitley E., assignor.)						
Morrill, George W., Middleton, N. H. Mold for butter.	772,168	Oct. 11	1981	427	112	1387
Morrill, William C., New York, N. Y. Nail-extractor.	770,018	Sept. 13	1678	356	112	397
Morris, Archibald D., New Rochelle, N. Y. Detachable-link chain.	762,335	June 14	1938	302	110	1763
Morris, Catherine. (See Morris, Hugh, assignor.)						
Morris, Charles A., Glenridge, N. J. Hoisting and transferring mechanism.	768,015	Aug. 16	3632	798	111	1922
Morris, Charles A., Glenridge, N. J. Mechanism for hoisting and transferring loads.	768,016	Aug. 16	3633	799	111	1922
Morris, Charles A., Glenridge, N. J. Means for hoisting and transferring loads.	768,017	Aug. 16	3635	799	111	1922
Morris, Charles W., Peoria, Ill. Hose-coupling.	766,961	Aug. 9	1720	361	111	1443
Morris, De Haven, Wilmington, Del. Tool.	759,733	May 10	2311	480	110	539
Morris, Emanuel S., St. Louis, Mo. Nut-lock for axle-spindles.	761,888	May 31	5616	1195	110	1316
Morris, Francis, Govanhill, Glasgow, Scotland. Ear for carrying overhead trolley-wires.	773,089	Oct. 25	3846	821	112	1350
Morris, Henry B., Midvale, N. J. Truss.	765,293	July 19	2774	579	111	636
Morris, Henry G., Philadelphia, Pa. Electrically-driven centrifugal machine.	748,771	Jan. 5	401	92	108	99
Morris, Hugh, assignor of one-third to C. Morris, New Rochelle, N. Y. Shade-bracket.	759,462	May 10	1791	362	110	425
Morris, Jesse T., assignor of one-half to W. N. White, Portsmouth, Va. Wrench.	755,520	Mar. 22	4480	995	109	1028
Morris, John B., Philadelphia, Pa. Emergency-case.	752,463	Feb. 16	3165	705	108	1779
Morris, John H., assignor of one-half to C. A. Sweet, Omaha, Nebr. Animal-trap.	771,383	Oct. 4	319	71	112	1028
Morris, John H., assignor of one-third to J. A. Traylor, Richmond, Va. Register.	773,806	Nov. 1	508	111	113	118
Morris, John O., assignor of three-fourths to J. A. Traylor and J. C. Hagan, Richmond, Va. Prize-awarding advertising apparatus.	778,546	Dec. 27	4128	899	113	2366
Morris, John O., Richmond, Va., assignor of twenty-nine fortieths to C. M. Fulton, Washington, D. C., J. T. Abern, Manchester, and J. A. Traylor, Richmond, Va. Register.	753,418	Mar. 1	376	88	109	82
Morris, John W., and G. J. Luck, Milwaukee, Wis. Foot for crutches or canes.	765,984	July 26	4169	890	111	948

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Morris, Robert, U. S. Navy. Shoulder-strap holder	775,845	Nov. 22	4678	990	113	1105
Morris, Samuel, New York, Ohio. Car-coupling	773,153	Oct. 25	4053	860	112	1901
Morris, Thomas E., Calvary, Ohio. Drill-clamp	749,318	Jan. 12	1575	333	108	378
Morris, William L., Batavia, Ill. Gage-cock	750,881	Feb. 2	196	45	108	1101
Morris, William L., assignor to Austin Cartridge Company, Cleveland, Ohio. Wad-testing device	762,548	June 14	1854	397	110	1860
Morrison, Angus. (See Kugler and Morrison.)						
Morrison, Angus, Philadelphia, Pa., and A. Morlock, New York, N. Y. Press-rack	756,037	Mar. 29	5515	1216	109	1272
Morrison, Angus, Philadelphia, Pa., and A. Morlock, New York, N. Y. Press-rack	756,038	Mar. 29	5516	1216	109	1272
Morrison Automatic Safety Valve Company. (See Bowman, Oliver P., assignor.)						
Morrison Automatic Safety Valve Company. (See Morrison, Frank B., assignor.)						
Morrison, Byron H., Bradford, Pa. Ratchet-wrench	763,105	June 21	2949	686	110	2118
Morrison, Charles F., Cornplanter, Pa. Aerial-navigation apparatus	761,033	May 24	4949	1049	110	1152
Morrison, Charles H. (See Vogel and Morrison.)						
Morrison, Cornelius, Cleveland, Tenn. Churn-power	752,244	Feb. 16	2736	606	108	1687
Morrison, Dudley R., Hartford City, Ind. Vaporizer for oil-engines	771,881	Oct. 11	1322	298	112	1256
Morrison, Dudley R., assignor to Superior Mill Company, Hartford City, Ind. Gradual-reduction mill	766,278	Aug. 2	288	57	111	1104
Morrison, Frank, Cleveland, Ohio. Compass-correcting device	769,870	Sept. 13	1400	298	112	335
Morrison, Frank B., assignor, by mesne assignments, to Morrison Automatic Safety Valve Company, Toledo, Ohio. Automatic air safety-valve	772,951	Oct. 25	3496	758	112	1770
Morrison, Frank B., assignor, by mesne assignments, to Morrison Automatic Safety Valve Company, Toledo, Ohio. Angle-cock for pressure brake systems	772,952	Oct. 25	3499	759	112	1771
Morrison, Frank B., assignor to Morrison Automatic Safety Valve Company, Toledo, Ohio. Combined angle-cock and safety-valve	772,953	Oct. 25	3502	759	112	1772
Morrison, James B., Monks Corner, S. C. Turpentine-cup	777,911	Dec. 20	2887	635	113	2084
Morrison, James D., Reinbeck, Iowa. Building-block	753,226	Mar. 1	133	32	109	33
Morrison, John, Jr., assignor to John Morrison, Troy, N. Y. Self-clearing rake	758,267	Apr. 26	4102	887	109	2276
Morrison, John, assignor to Universal Brush Company, Troy, N. Y. Brush-machine	760,137	May 17	3118	653	110	736
Morrison, John B., Bays, Ohio. Gas-engine starter	778,261	Dec. 27	3566	782	113	2246
Morrison, John C. (See Kellond and Morrison.)						
Morrison, John C., Chicago, Ill., assignor to United States Peat Fuel Company. Centrifugal machine	778,458	Dec. 27	3977	865	113	2333
Morrison, John W., Colorado Springs, Colo. Roof-framing tool	770,770	Sept. 27	3108	659	112	571
Morrison, Joseph R., Landusey, Mont. Sheep-sheaf	760,904	May 24	4634	987	110	1086
Morrison, Putnam, Chattanooga, Tenn. Fastening device	764,457	July 5	1175	240	111	259
Morrison, William T. (See Dovell and Morrison.)						
Morrisette, Joseph H., Ashland, Mass. Regulator for metronomes	760,343	May 17	3496	736	110	820
Morrow, Alexander P., Elmira, N. Y. Clutch mechanism	765,395	July 19	2969	625	111	683
Morrow, Alexander P., Elmira, N. Y. Cushion-frame	768,066	Aug. 23	3920	823	111	1964
Morrow, Alexander P., Elmira, N. Y. Coaster and brake device	773,533	Oct. 25	4429	939	112	1932
Morrow, Henry (See Clergy and Morrow.)						
Morrow, Henry W., assignor to Union Manufacturing Company, Lisbon, Ohio. Machine for making spiral tubes	766,962	Aug. 9	1722	361	111	1444
Morrow, James R. B., Carlton, Victoria, Australia. Complete harvester	768,881	Aug. 30	5645	1186	111	2368
Morrow, Lloyd S., Monessen, Pa. Horse-detacher	763,198	June 21	3142	675	110	2162
Morrow, Oliver A., Whitehall, Ill. Mechanical movement	756,131	Mar. 29	5689	1255	109	1309
Morrow, Ray. (See Berger, Charles L., assignor.)						
Morrow, Robert B. (See Morrow, James and R. B.)						
Morrow, Thomas, et al. (See Francis, William, assignor.)						
Morrow, William L., Stockton, Cal. Nut-locks	762,243	June 7	1193	256	110	1699
Morrow, William V., Los Angeles, Cal. Bevel	753,419	Mar. 1	379	88	109	83
Morse, Albro J., Baltimore, Md. Treating garbage	769,104	Aug. 30	6084	1272	111	2465
Morse, Alonzo C. (See Wikstrom and Morse.)						
Morse-Boulger Destructor Company. (See Boulger, Benjamin, assignor.)						
Morse Chain Company. (See Morse, Everett F., assignor.)						
Morse, Charles H., et al. (See Hitchcock, Solomon C., assignor.)						
Morse, Charles H. (See Hopewell and Morse.)						
Morse, Charles H., Cambridge, Mass. Trolley-signal	762,848	June 7	475	97	110	1546
Morse, Charles H., Cambridge, Mass. Trolley-signal	773,334	Oct. 25	4434	939	112	1984
Morse, Charles H., assignor to Uni Signal Company, Cambridge, Mass. Block-signal	767,952	Aug. 16	3643	770	111	1881
Morse, Charles H., and C. F. Hopewell, Cambridge, Mass. Block-signal	772,665	Oct. 18	2917	640	112	1626
Morse, Everett F., assignor to Morse Chain Company, Trumansburg, N. Y. Drive-chain	757,762	Apr. 19	3109	677	109	2089
Morse, Frederick H., assignor to G. B. Taylor, St. Louis, Mo. Combined cane and seat	768,882	Aug. 30	5648	1188	111	2368
Morse, George H., Lincoln, Neb., assignor to one-half to Stiles-Morse Company, Chicago, Ill. Type-writing machine	773,369	Dec. 27	3796	828	113	2294
Morse, George W. (See Wakefield and Morse.)						
Morse, Henry G., deceased, M. K. Morse, Philadelphia, Pa., executrix, assignor to New York Shipbuilding Company, Camden, N. J. Apparatus for launching ships	759,734	May 10	2311	481	110	539
Morse, Henry G., deceased, M. K. Morse, Philadelphia, Pa., executrix, assignor to New York Shipbuilding Company, Camden, N. J. Jib-crane for portable tools	760,138	May 17	3121	653	110	737
Morse, Henry G., deceased, M. K. Morse, Philadelphia, Pa., executrix, assignor to New York Shipbuilding Company, Camden, N. J. Portable punching or riveting machine	761,528	May 31	5845	1232	110	1369
Morse, John J., Adrian, Mich. Die for Coasting intersecting wires	772,169	Oct. 11	1932	428	112	387
Mary, et al., executrix. (See Morse, Henry G.)						
Morse, Orville M., Jackson, Mich. Game-board	755,576	Mar. 22	4577	1018	109	1047
Morse, Orville M., Jackson, Mich. Trousers-press	766,645	Aug. 2	1030	216	111	1209
Morse, Robert S., Formoso, Kans. Hay-stacker	750,882	Feb. 2	198	45	108	1011
Morse, Rodolph F. (See Binns, James R., assignor.)						
Morse, Walter G., Waterbury, Conn. Means for adjusting lamps	755,914	Mar. 29	5285	1167	109	1223
Morse, William M., Chicago, Ill., assignor of two-thirds to L. R. and E. R. Speare, Boston, Mass. Making chip-soap	752,573	Feb. 16	3372	752	108	1286
Morse, William M., Chicago, Ill., assignor of two-thirds to L. R. and E. R. Speare, Boston, Mass. Apparatus for making chip-soap or the like	755,915	Mar. 29	5287	1167	109	1223
Morse, William R., assignor to J. H. Lee, trustee, Chicago, Ill. Cap for mucilage-bottles or the like	752,917	Feb. 23	4082	910	108	2001
Morson, Walter R., Montreal, Canada. Sealing device for separated sheets arranged in a pile	772,626	Oct. 18	2851	625	112	1612
Morstatt, Joseph, Astoria, assignor of one-half to Z. Moshkovitz, New York, N. Y. Cigar-box	761,780	June 7	331	66, 67	110	1513

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Mortimer, William G., Toorak, Victoria, Australia. Appliance for cleaning tins, pots, and other vessels or utensils.	755,521	Mar. 22	4482	996	109	1026
Mortland, Cletus A. (See Duerr and Mortland.)						
Morton, Albert H., and L. P. Sherman, Lowell, Mass., assignors to said Morton. Paper-feeding mechanism.	768,673	Aug. 30	5226	1098	111	2273
Morton, David A. (See Morton, John F., assignor.)						
Morton, Ellis S., assignor of one-half to J. H. and H. Kuechenmeister, St. Louis, Mo. Device for converting motion.	765,783	July 26	3807	811	111	868
Morton, Ephraim S., Brockton, Mass. Spindle-socket for lasts	759,297	May 10	1477	296	110	358
Morton, Francis, <i>et al.</i> (See Francis, William, assignor.)						
Morton, Francis L. (See Francis, Morton, and Spink.)						
Morton, Gavin, Darvel, assignor of one-half to W. Fairweather, Glasgow, Scotland. Apparatus for the manufacture of tufted fabrics	754,883	Mar. 15	3328	726 727 728	109	762
Morton, George R., Paris, Me. Fifth-wheel	776,533	Dec. 6	133	81	113	1455
Morton, Henry E. (See Morton, Matthew and H. E.)						
Morton, Horace J., Chicago, Ill. Drying-kiln	768,813	Aug. 30	5496	1156	111	2332
Morton, John F., St. Louis, assignor of one-half to D. A. Morton, Montauk, Mo. Construction of bridges.	750,475	Jan. 26	3813	828	108	899
Morton, Joseph, New Westminster, Canada. Railway block system	753,157	Feb. 23	4529	1069 1010	108	2099
Morton, Matthew and H. E., Muskegon Heights, Mich. Slotting-machine	757,562	Apr. 19	2713	593 594	109	1952
Morton, Rolla A., San Jose, Cal. Center-five balance-engine	772,109	Oct. 11	1804	400	112	1361
Morton Trust Company, trustee. (See Caldwell, Henry S., assignor.)						
Morton Trust Company, trustee. (See Condit, George H., assignor.)						
Morton Trust Company, trustee. (See Fiske, Henry G., assignor.)						
Morton Trust Company, trustee. (See Maxim, Pope, and Alden, assignors.)						
Morton Trust Company, trustee. (See Pope, Harry M., assignor.)						
Morton, William M., Essex, assignor to William Schollhorn Company, New Haven, Conn. Punch, pliers, &c.	750,678	Jan. 26	4200	911	108	978
Morton, William W., Camden, N. J. Brake-shoe for vehicles	772,170	Oct. 11	1933	428	112	1387
Morton, Wilson, deceased; S. C. Carroll, administrator, assignor to United States Sales Book Company, Chicago, Ill. Self-sealing manifolding writing-sheet	755,159	Mar. 22	3817	843 844	109	887
Morton, Wilson, deceased; S. C. Carroll, administrator, assignor to United States Sales Book Company, Chicago, Ill. Sales-memorandum holder	760,697	May 24	4211	894	110	995
Mosby, George W., New York, N. Y. Device for honing and stropping razors.	759,636	May 10	2117	435	110	496
Moscicki, Ignacy, Fribourg, Switzerland. High-tension electric condenser	761,090	May 31	5033	1068	110	1189
Moscicki, Ignacy. (See Kowalski and Moscicki.)						
Moscovitz, Caroline. (See Moscovitz, Maer and C.)						
Moscovitz, Maer and C., Greatfalls, Mont. Artificial fuel	756,682	Apr. 5	934		109	1542
Moseley, John C., Oakland, Miss. Tamping-machine	760,905	May 24	4635	987 988	110	1086
Moseley, Randolph T. (See Ford and Moseley.)						
Moser, Carlotta E., Erie, Pa. Finger-nail buffer	754,481	Mar. 15	2559	557	109	595
Moser, Charles W., Warren, Ohio. Anvil	765,587	July 19	3371	709	111	764
Moser, Fred J. (See Moran and Moser.)						
Moser, George A., Westgrove, Pa. Alarm-lock	776,341	Nov. 29	5646	1196 1197	113	1342
Moser, George W., Perrysburg, Ohio. Force-fed lubricator	772,427	Oct. 18	2463	540	112	1529
Moser, Jacob A., assignor of one-half to P. J. Baumgartner, Berne, Ind. Tension-reel for cables	756,683	Apr. 5	935		109	1542
Moser, James H., Parnassus, Pa. Hot-air furnace	770,691	Sept. 20	2961	629 630	112	702
Moses, Harry S., assignor to M. and N. Eiseman and J. M. Kaiser, Chicago, Ill. Bag	773,514	Oct. 25	4830	1019	112	2070
Moses, Horace A., Springfield, Mass. Paper-machine	748,973	Jan. 5	831	176	108	192
Moses, Jacob B., Dallas, Tex. Baggage-fastener	732,574	Feb. 16	3375	753	108	1827
Mosher, Asa H., Westfield, N. J., assignor to Hall Signal Company. Controlling-valve.	739,999	Mar. 8	1560	349	109	360
Mosher, Charles L., Cleveland, Ohio. Toy bank	778,424	Dec. 27	3905	850	113	2318
Mosher, Charles P., Jr., <i>et al.</i> (See Brindle, Philip S., assignor.)						
Mosher, Clarence E., administrator. (See Ernst and Cuyler.)						
Mosher, Hugh A., Dubois, Pa., and E. E. Free, Ithaca, N. Y. Hacksaw	765,294	July 19	2776	579	111	637
Mosher, John A., Chicago, Ill., assignor to Adams & Westlake Company, of Illinois. Lamp-wick	752,575	Feb. 16	3376	753	108	1827
Mosher, John A., Chicago, Ill., assignor to Adams & Westlake Company, of Illinois. Lantern	762,244	June 7	1194	256 257	110	1699
Mosher, John A., and W. D. Legge, Chicago, Ill., assignors to Adams and Westlake Company, of Illinois. Lamp-burner	750,476	Jan. 26	3814	828	108	899
Moshier, James W., Bristol, Conn. Machine for making metal bars or rods	770,471	Sept. 20	2532	540 541	112	604
Moskovitz, Zoltan. (See Morstatt, Joseph, assignor.)						
Mosler, Allison E. (See Caldwell, John D., assignor.)						
Moskow, Joseph B., San Francisco, Cal. Combined screen, window, and ventilator attachment for doors	751,668	Feb. 9	1630	370	108	1424
Moskow, Joseph H., San Francisco, Cal. Sash-lock	762,595	June 14	1932	417	110	1876
Moskovitz, Morris, New York, N. Y., assignor to United States Light & Heating Company, of New Jersey. Automatic switch	751,745	Feb. 9	1777	404 405	108	1453
Moskovitz, Morris, assignor to United States Light & Heating Company, New York, N. Y. Dynamo or motor suspension	768,392	Aug. 23	4636	970	111	2120
Mosler, Arthur R. (See Cahn and Mosler.)						
Mosonyi, Emil, assignor to William A. Miller Elevator Manufacturing Company, St. Louis, Mo. Safety device for elevators	768,814	Aug. 30	5498	1156 1157	111	2332
Moss, Albert A., Newark, N. J. Car-coupling	768,268	Apr. 26	4103	888	109	2276
Moss, Eric, Kingsburg, Cal. Solar heater	761,599	May 31	5969	1281	110	1397
Moss, John J., Chicago, Ill. Lubricating device for journals	775,730	Nov. 22	4459	943 944	113	1060
Moss, Leon F. (See Bell, Walter J., assignor.)						
Moss, Lincoln, assignor to Robert Conveying Belt Company, New York, N. Y. Hoisting apparatus	778,502	Dec. 27	4058	884 885	113	2350
Moss, Michael. (See McKay and Moss.)						
Moss Rose Mfg. Co. (See Elias, Joseph, assignor.)						
Mossberg, Frank, assignor to Frank Mossberg Company, Attleboro, Mass. Making metal rings	764,862	July 12	1983	409	111	451
Mossberg, Frank, assignor to Frank Mossberg Company, Attleboro, Mass. Spool or reel	773,218	Oct. 25	4905	890	112	1934
Mossberg, Oscar F., assignor to M. E. Johnson, executrix, Fitchburg, Mass. Hinge-pin for breakdown guns	754,080	Mar. 8	1709	380	109	392

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Mossberg, Oscar F., assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Breech-loading firearm	756,039	Mar. 29	5517	1217	109	1273
Mossberg, Oscar F., assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Self-cocking revolver	778,500	Dec. 27	4055	884	113	2350
Mossberg, Oscar F., assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Self-cocking revolver	778,501	Dec. 27	4056	884	113	2350
Mosteller, Dosier H., San Francisco, Cal. System for supplying oil under water-pressure	761,091	May 31	5034	1068	110	1190
Mosteller, Dosier H., assignor of one-half to C. Peters, San Francisco, Cal. Lemon-squeezer	749,573	Jan. 12	2097	436	108	491
Mosteller, Dosier H., assignor of one-half to J. Hoeges, San Francisco, Cal. Liquid-fuel burner	751,092	Feb. 2	568	132	108	1183
Mosteller, Dosier H., assignor of one-half to J. Hoeges, San Francisco, Cal. Oil-burner	759,822	May 10	2503	523	110	581
Mosteller, Harry C. (See Tynan and Mosteller.)						
Motherwell, David M., Chicago, Ill., assignor to Whitman & Barnes Manufacturing Co., Akron, Ohio. Traveling carrier	756,264	Apr. 5	140	28, 29	109	1373
Motherwell, David M., Chicago, Ill., assignor to Whitman & Barnes Manufacturing Co., Akron, Ohio. Automatic clutch for carriers	756,265	Apr. 5	144	29, 30	109	1374
Motherwell, David M., Chicago, Ill., assignor to Whitman & Barnes Manufacturing Co., Akron, Ohio. Knocker for traveling carriers	767,652	Aug. 16	3072	642	111	1758
Motsinger Device Manufacturing Company. (See Motsinger, Homer N., assignor.)						
Motsinger Device Manufacturing Company. (See Smith, Leon R., assignor.)						
Motsinger, Homer N., assignor to Motsinger Device Manufacturing Company, Pendleton, Ind. Speed-governor	776,028	Nov. 29	5065	1069	113	1211
Mott, Arthur F., New York, N. Y. Comb	760,906	May 24	4637	988	110	1098
Mott, Guy L., Halifax, Canada. Puzzle	753,420	Mar. 1	380	89	109	82
Mott, Irvine K., Cincinnati, Ohio. Surgical instrument	769,829	Sept. 13	1326	283	112	319
Mott, James B., Fredonia, N. Y. Automobile attachment	775,234	Nov. 15	3358	715	113	790
Mott, Mae E., New York, N. Y. Ink-distributor	754,332	Mar. 8	2179	483	109	492
Mottern, James M. (See Walker, Mottern, and Gould.)						
Mottlau, August J., New York, N. Y. Detector of the contents of bottles, jars, or similar receptacles	749,080	Jan. 5	1069	226	108	246
Motz, Charles, Akron, Ohio. Vehicle-tire	763,996	July 5	142	24	111	37
Motz, Jacob F., Phoenixville, Pa. Magnetic brake	765,032	July 12	2295	477	111	517
Moughler, William F., Toledo, Ohio. Pneumatic power system	771,789	Oct. 4	1132	250	112	1199
Moulton, Charles J., Chatteris, England. Potato-digging machine	765,505	July 19	3326	675	111	738
Moulton, Ira C., assignor of one-half to J. Cyr, Boston, Mass. Safety attachment for gas-burners	767,077	Aug. 9	1941	405	111	1492
Moulton, Katherine R., Lynn, Mass. Desk-cover	756,040	Mar. 29	5519	1317	109	1273
Moulton, Mace, et al. (See Emerson, Estelon E., assignor.)						
Moulton, Stillman A., Campbell, Cal. Device for preventing snoring	774,446	Nov. 8	1736	374	113	405
Mound City Roofing Tile Company. (See Mitchell, Walter C., assignor.)						
Moura, Roberto L. de, New York, N. Y. Wave-transmitter	771,917	Oct. 11	1395	317	112	1270
Moura, Roberto L. de, New York, N. Y. Wireless telephone	775,337	Nov. 22	3620	767	113	875
Moura, Roberto L. de, New York, N. Y. Wireless telegraph	775,846	Nov. 22	4679	991	113	1105
Moureu, Charles, Paris, France. Homologous propiolic acid and making same	749,800	Jan. 19	2555	-----	108	606
Moureu, Charles, Paris, France. Ether of amylopropionic acid	750,212	Jan. 19	3332	-----	108	769
Moureu, Charles, Paris, France. Ether of propiolic acid, &c.	750,213	Jan. 19	3325	-----	108	769
Mousseau, L. D., assignor of one-half to W. Madgett, Hastings, Nebr. Animal-trap	762,185	June 7	1083	229	110	1674
Mousseau, Edward. (See Millen, Mousseau, and Raitt.)						
Mowat, Oliver M., McKeesport, Pa. Lathe and drill chuck	772,737	Oct. 18	3086	673	112	1663
Mower, George A., London, England. Radiator	754,156	Mar. 8	1853	413	109	423
Mower, Samuel, Springhill, Kans. Lister and grader	772,366	Oct. 18	2944	514	112	1502
Mowery, Robert, assignor of three-fourths to J. D. Tellman, Hot Springs, Ark. Ice-cutting machine	766,111	July 26	4423	947	111	1001
Mowry, Albert L., St. John, Canada. Lock-nut	753,421	Mar. 1	381	89	109	83
Mowry, Miles L., Greenfield, Mass. Trolley-wheel	775,477	Nov. 22	4682	991	113	1106
Moxham, Egbert, Wilmington, Del. Collapsible mandrel	766,459	Aug. 2	625	133	111	1176
Mox, Ernest F., and P. H. Bastie, St. Pancras, London, England. Regulating apparatus for theatrical electric lighting	759,904	May 17	2650	556	110	630
Moya, Hidalgo, Leicester, England. Type-writer	752,794	Feb. 23	3812	853 } 854 } 855 }	108	1940
Moya, Hidalgo, Leicester, England. Type-writer	752,795	Feb. 23	3815	855 } 856 }	108	1941
Moya, Hidalgo, assignor of one-half to J. G. Chattaway, Leicester, England. Type-writing machine	752,792	Feb. 23	3804	851 } 852 }	108	1938
Moya, Hidalgo, assignor of one-half to J. G. Chattaway, Leicester, England. Type-writing machine	752,793	Feb. 23	3810	853 } 854 }	108	1940
Moye, Andrew D., Sperton, Ga. Clothes-line	763,309	June 21	3341	724	110	2205
Moyer, Harvey A. (See Faulder, Thomas, assignor.)						
Moyer, Harvey A., Syracuse, N. Y. Dump-wagon	754,228	Mar. 8	1999	444	109	455
Moyer, Harvey A., Syracuse, N. Y. Dump-wagon	770,089	Sept. 13	1788	476	112	421
Moyer, William E., Weir, Kans. Bottle	767,308	Aug. 9	2384	499	111	1586
Moyers, George F., Carlisle, Iowa. Wire stretcher and splicer	765,190	July 19	2593	542	111	597
Moylan, Alexander M., Century, Fla. Standard	758,089	Apr. 26	3754	816	109	2198
Moylan, William T., Cincinnati, Ohio. Mound edging or framing for graves	761,979	June 7	720	147	110	1596
Moynihan, John R., et al. (See Galloway, George, assignor.)						
Muchowicz, Karol, Warsaw, Russia. Lock	767,004	Aug. 9	1796	377	111	1460
Muckenhirn, Charles H., Detroit, Mich., assignor to J. S. Tyler, Buffalo, N. Y. Ventilator for war-closets	749,875	Jan. 19	2688	575	108	635
Mucklé, John S., assignor to Standard Elevator Interlock Company, Philadelphia, Pa. Locking mechanism for electrically-controlled elevator mechanisms	762,186	June 7	1086	229	110	1675
Mucklé, John S., assignor to Standard Elevator Interlock Company, Philadelphia, Pa. Door-locking mechanism for elevators	770,601	Sept. 20	2781	591	112	661
Mucklé, Mark R., Jr., Philadelphia, Pa. Detachable bracket	761,529	May 31	5848	1253 } 1254 }	110	1369
Mudd, Frances C., Ellissgrove, Ill., assignor to himself, and F. A. Thompson, St. Louis, Mo. Stock-winding device	769,006	Aug. 30	5893	1235 } 1236 }	111	2425
Mudd, Frances C., Ellissgrove, Ill., assignor to himself, and F. A. Thompson, St. Louis, Mo. Reversing mechanism	770,602	Sept. 20	2783	591	112	661
Mue, William K., Cincinnati, Ohio. Automatic cover for awnings	758,016	Apr. 19	3604	780	109	2149
Muehl, John, Cleveland, Ohio. Plane	773,378	Nov. 22	3713	788	113	895
Mueller, Alfred F., Philadelphia, Pa. Amusement apparatus	749,941	Jan. 19	2827	603 } 604 }	108	666

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Mueller, Alfred F., Philadelphia, Pa. Amusement apparatus.....	760,469	May 24	3742	793	110	893.
Mueller, Charles. (See Davidson, John B., assignor.)						
Mueller, Charles, Lafe, Ark. Collar fastener.....	762,079	June 7	897	185	110	1632
Mueller, Edward C., assignor of one-half to C. J. Kaiser, Milwaukee, Wis. Stock-feed- ing device.....	767,078	Aug. 9	1943	405 406	111	1493
Mueller, Edward P. (See Scott, John, assignor.)						
Mueller, Emil, Alsen, N. Y. Derailment-guard.....	773,409	Oct. 25	4594	970	112	2018
Mueller, Frank, Milwaukee, Wis. Grinding-mill.....	760,907	May 24	4638	988	110	1087
Mueller, Henry M., L. A. and J. A., White Lake, S. D. Windrower.....	756,041	Mar. 29	5321	1217	109	1273
Mueller, John, Seattle, Wash. Malt turner and aerator.....	748,875	Jan. 5	610	137	108	137
Mueller, John A. (See Mueller, Henry M., L. A. and J. A.)						
Mueller, Ludwig A. (See Mueller, Henry M., L. A. and J. A.)						
Mueller, Otto H., Berlin, Germany. Condenser.....	758,090	Apr. 26	3735	817	109	2199
Muellerweiss, Adolph, Sebewaing, Mich. Pattern.....	778,061	Dec. 20	3180	700	113	2143
Muender, William L., and J. E. De Witt, Montfort, Wis. Drill-bit.....	767,706	Aug. 16	3167	663	111	1779
Mueser, William. (See Möller, Max, assignor.)						
Muffy, Glenn, Chicago, Ill., and H. M. Miller, Council Bluffs, Iowa. Umbrella handle and rod.....	752,849	Feb. 23	3921	879	108	1963
Muggey, Henry H. (See Richards and Muggey.)						
Muheim, Joseph F., Warren, Mass. Doffing apparatus for spinning-machines.....	761,980	June 7	722	147 148	110	1597
Muhleman, Charles H., Los Angeles, Cal. Concentrator.....	764,197	July 5	590	117	111	131
Muhlfeld, Frank J., New York, N. Y. Large-crowned hat.....	769,558	Sept. 6	819	175	112	185
Mühlinghaus, Ernst, Mettmann, assignor to Bernsau & Uellenberg, Varresbeck, near El- berfeld, Prussia, Germany. Lock.....	748,772	Jan. 5	402	92	108	90
Muhr, Joseph, Dunkirk, N. Y. Locomotive-boiler.....	769,623	Sept. 6	923	200	112	209
Muir, Peter, Sutherland, Nebr. Nail or spike extractor.....	765,246	July 19	2693	561	111	619
Muirhead, Alexander. (See Lodge, Muirhead, and Robinson.)						
Mulberger, Henry. (See Willitz, Herman C., assignor.)						
Mulch, Theodore H., New York, N. Y., and O. Wiederhold, Summit, N. J.; said Mulch assignor, by mesne assignments, to said Wiederhold. Lamp.....	773,335	Oct. 25	4437	940	112	1964
Mulconroy Company. (See Goodall, Howard W., assignor.)						
Mulford, Harry K., Philadelphia, Pa. Vaccine-point.....	758,597	Apr. 26	4765	1026	109	2424
Mulgrew, Felix B., et al. (See Hathaway, James F., assignor.)						
Mull, Edward W., Columbus, Ohio. Chocolate-cooling mechanism.....	752,636	Feb. 16	3520	793	108	1858
Mullen, Ella D., Whitesville, Ky. Towel-rack.....	749,081	Jan. 5	1074	227	108	247
Mullen, Peter, assignor to Edwin Harrington, Son and Company, Incorporated, Phila- delphia, Pa. Hoisting mechanism.....	751,537	Feb. 9	1380	315	108	1370
Mullen, Peter, assignor to Edwin Harrington, Son and Company, Incorporated, Phila- delphia, Pa. Hoisting mechanism.....	760,908	May 24	4639	989	110	1087
Müller, Albert, New York, N. Y. Battery-stopper.....	754,081	Mar. 8	1710	381	109	392
Müller, August, Merscheid, Germany. Safety-razor.....	755,379	Nov. 22	3715	789	113	895
Müller, Carl H. F., Hamburg, Germany. X-ray tube.....	771,086	Sept. 27	3744	789	112	891
Müller, Carl H. F., Hamburg, Germany. Roentgen tube.....	772,681	Oct. 18	2924	641	112	1627
Müller, Carl H. F., Hamburg, Germany. X-ray tube.....	772,667	Oct. 18	2925	642	112	1627
Müller, Caroline H. (See Müller, Jacob, assignor.)						
Müller, Ernest W. (See Krantz and Müller.)						
Müller, Ernest W., assignor to H. Krantz, Brooklyn, N. Y. Electrical switchboard.....	760,077	May 17	2988	624	110	708
Müller, Ernest W., assignor to H. Krantz, Brooklyn, N. Y. Electrical outlet-box.....	768,693	Dec. 27	4403	1963	113	2427
Müller, Eugen K., Zurich, Switzerland. Electromagnetic device for vibratory massage.....	749,213	Jan. 12	1357	291	108	333
Müller, Eugen K., Zurich, Switzerland. Electromagnetic device.....	754,681	Mar. 15	2942	642	109	673
Müller, Friedrich A., Hanover, Germany. Flower-pot.....	758,678	Mar. 3	145	31	110	35
Müller, Gustave, et al. (See Burdon, David P., assignor.)						
Müller, Hermann, Barmen, Germany. Separable button.....	755,522	Mar. 22	4463	996	109	1026
Müller, Jacob, assignor to C. H. Müller, New York, N. Y. Barrel-scrubbing machine.....	776,863	Dec. 6	309	175	113	1605
Müller-Jacobs, Armand, Richmond Hill, N. Y. Steam-rod mordant.....	767,114	Aug. 9	2025	111	150	716
Müller-Jacobs, Armand, Brooklyn, N. Y. Preserving and disinfecting.....	775,066	Nov. 15	3014	113	712	
Müller-Jacobs, Armand, Richmond Hill, N. Y., assignor to Cosmos Chemical Company. Varnish.....	756,975	Apr. 12	1521	109	1681	
Müller-Jacobs, Armand, Richmond Hill, N. Y., assignor to Cosmos Chemical Company. Sizing.....	757,948	Apr. 19	3460	109	2117	
Müller-Jacobs, Armand, Richmond Hill, N. Y., assignor to Cosmos Chemical Company. Mordanting.....	769,954	Sept. 13	1555	112	368	
Müller-Jacobs, Armand, New York, assignor to C. Müller-Jacobs, Brooklyn, and E. Wein- gartner, New York, N. Y. Explosive and making same.....	777,125	Dec. 13	1328	293 294	113	1738
Müller-Jacobs, Catherine, et al. (See Müller-Jacobs, Armand, assignor.)						
Müller, John, Brooklyn, N. Y. Spring-forceps.....	766,057	July 26	4306	922	111	976
Müller, John P., New York, N. Y. Burner and mixer for cautery.....	767,231	Aug. 9	2257	407	111	1559
Muller, Louis E., dit Louis E. E., Paris, France. Carborundo cement.....	770,730	Sept. 20	3026	112	715	
Muller, Louis E., dit Louis E. E., Paris, France. Producing bricks, &c., with coatings of carborundo or similar materials.....	772,247	Oct. 11	2102	459	112	1427
Muller, Otto, et al. (See Bachmann, Frederick, assignor.)						
Müller, Rudolf. (See Schmidt and Müller.)						
Mulligan, Frank, assignor to W. N. Pelouze, Chicago, Ill. Computing-scale.....	759,735	May 10	2314	482 483	110	539
Mulligan, Frederick J., Utica, N. Y. Rotary steam-engine.....	775,984	Nov. 29	4973	1050 1051	113	1189
Mulliken, Alfred H., Chicago, Ill. Connecting-rail for alining railway-rails.....	774,361	Nov. 8	1593	341	113	375
Mullin, Royal J., Seattle, Wash. Automatic controller for feed-pumps.....	743,942	Jan. 19	2823	604	108	666
Mullin, Royal J., Seattle, Wash. Automatic controller for feed-pumps.....	770,326	Sept. 27	3308	699	112	735
Mullin, Winfield S., Hyndman, Pa. Locomotive turn-table.....	770,916	Sept. 27	3405	718	112	816
Mullinnix, John C., Cleveland, Ohio. Drill-press.....	762,647	June 14	2040	442	110	1900
Mullins, John T. (See Wozencraft, John A., assignor.)						
Mullins, William H., W. C. Hare, and H. C. Nelson, Salem, Ohio. Skylight.....	775,746	Feb. 9	1780	405 406	108	1454
Mullison, Isaac O., assignor of one-half to H. Vincent, Shenandoah, Iowa. Forceps.....	758,062	Dec. 20	3181	700	113	2144
Mulock, Peter, Leadville, Colo. Hook and eye.....	761,981	June 7	725	148	110	1597
Mulock, Peter, Leadville, Colo. Garment-supporter.....	761,982	June 7	726	148	110	1598
Multi-Colour Printing Company. (See Toye, William H. R., assignor.)						
Multi-Vending Company. (See Packard, John E., assignor.)						
Multiscope and Film Company. (See Angsten and Gesbeck, assignors.)						
Multiscope & Film Company. (See Smith, Leonard J., assignor.)						
Mulvaney, John J., assignor of three-fourths to C. E. Babbitt, J. L. Brown, Cincinnati, and H. A. Sutton, Wyoming, Ohio. Machine for uniting the joints of sheet-metal pipes.....	758,330	Apr. 26	4250	913	109	2310
Mulveny, John, Fall River, Mass. Fire-box for cooking-stoves.....	754,492	Mar. 15	2560	557	109	595

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Mulvey, John A., New York, N. Y. Lead-pencil.....	754,333	Mar. 8	2179	483	109	492
Mulvey, Patrick J., Birmingham, Ala., assignor of three-fifths to E. H. Pigues, Nashville, Tenn. Sectional boiler.....	760,548	May 24	3895	827	110	928
Mumford, Joseph A., Roslyn, N. Y. Steam-boiler.....	752,351	Feb. 16	2953	637	108	1735
Mumford, Joseph A., Roslyn, N. Y. Steam-boiler.....	753,902	Mar. 8	1373	310	109	317
Mumford, Joseph F., Philadelphia, Pa. Machine for manufacturing brushes.....	764,898	July 12	2054	424 425 426	111	465
Mummary, Edwin G., Detroit, Mich. Hydrocarbon-burner and water-feed therefor.....	777,481	Dec. 13	1991	441	113	1883
Muncaster, Walter J., assignor of one-half to Cumberland Steel Company, Cumberland, Md. Apparatus for applying couplings to and removing couplings from shafting.....	750,477	Jan. 26	3816	829	108	899
Muncaster, Walter J., assignor of one-half to Cumberland Steel Company, Cumberland, Md. Measuring instrument.....	769,267	Sept. 6	254	59, 60	112	55
Mundheim, Samuel. (See Hupchen, William, assignor.)						
Munding, Hans, Innsbruck, Austria-Hungary. Stirring and froth-beating machine for confectioners.....	769,485	Sept. 6	692	148	112	158
Mundlos, Heinrich, Magdeburg-Neustadt, Germany. Shuttle-race for sewing-machines.....	759,598	May 10	1478	296	110	358
Mundorf, Harry K. (See Appie and Mundorf.)						
Mundt, Albert R., Chesterfield township, Macomb county, assignor of one-half to G. W. Tucker, Chesterfield, Mich. Beet-blocking machine.....	754,682	Mar. 15	2944	642 643	109	675
Mundy, Edward H., et al. (See Krienitz, Alfred J., assignor.)						
Mundy, Arthur J. (See Millet and Mundy.)						
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Submarine signaling.....	768,567	Aug. 23	4979	1042 1043	111	2201
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Sound transmitter and receiver.....	768,568	Aug. 23	4981	1043	111	2201
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Telephone-transmitter.....	768,569	Aug. 23	4985	1043 1044	111	2202
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Sound transmitter and receiver.....	768,570	Aug. 23	4987	1044	111	2203
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Sound transmitter and receiver.....	768,571	Aug. 23	4989	1045	111	2203
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Sound transmitter and receiver.....	768,572	Aug. 23	4989	1045	111	2204
Mundy, Arthur J., Boston, Mass., assignor to Submarine Signal Company, Waterville, Me. Submarine sound-direction finder.....	768,573	Aug. 23	4991	1046	111	2204
Mundy, Arthur J., Boston, and A. E. Smith, Waltham, Mass., assignors to Submarine Signal Company, Waterville, Me. Electric transmitter.....	763,501	June 28	3747	809	110	2314
Mundy, Joseph S. (See Wright, James N., assignor.)						
Mundy, William O., St. Louis, Mo. Air-brake.....	763,310	June 21	3342	724	110	2205
Mundy, William O., St. Louis, Mo. Air-brake.....	763,311	June 21	3344	724	110	2206
Mundy, William O., St. Louis, Mo. Air-brake.....	763,312	June 21	3345	725	110	2206
Mundy, William O., Louisville, Ky., assignor to General Electric Company. Means for automatically stopping electric-railway cars or trains.....	776,597	Dec. 27	4239	923	113	2389
Munford, M. W. (See Butler, Minnie M., assignor.)						
Munger, Edwin M. (See Shumway, Charles E., assignor.)						
Munger, William W., Three Rivers, Mich. Percolator.....	764,750	July 12	1732	357	111	399
Munger, William W., and J. C. Bass, Herscher, Ill. Pool-game register.....	759,736	May 10	2319	483	110	541
Municipal Engineering Company. (See Smith, Fred P., assignor.)						
Munk, Gottlieb L., Peoria Heights, Ill. Cider-press.....	748,693	Jan. 5	155	37, 38	108	35
Munn, Daniel J., et al. (See Kellington, John, assignor.)						
Munn, Edward A., Chicago, Ill. Gate mechanism.....	771,918	Oct. 11	1398	317	112	1271
Munn, William, assignor to Alaska Packers Association, San Francisco, Cal. Can-cleaning machine.....	766,510	Aug. 2	748	156	111	1204
Munns, Charles K., Corning, Iowa. Electrotherapeutic device.....	758,508	Mar. 1	535	125	109	118
Munoz, Signono C., Montclair, N. J. Water-tube boiler.....	759,463	May 10	1792	362 363	110	425
Munro, Alexander, Stockport, England. Reservoir-pen or the like.....	754,000	Mar. 8	1562	349	109	361
Munro, David L., Auburndale, Mass. Puzzle.....	753,831	Mar. 1	1236	277	109	265
Munro, James A. (See Meetz, Albert J., assignor.)						
Munro, James H., New York, N. Y., assignor of one-half to J. M. Van Orden, Newark, N. J. Tile and tile-setting.....	753,287	Mar. 1	134	32	109	33
Munro, James H., New York, N. Y., assignor of one-half to J. M. Van Orden, Newark, N. J. Tiling for floors, &c.....	762,438	June 14	1381	345	110	1801
Munro, James H., assignor of one-half to J. M. Van Orden, Newark, N. J. Roofing.....	756,180	Mar. 29	5760	1272	109	1335
Munro, James H., assignor of one-half to J. M. Van Orden, Newark, N. J. Flashing.....	746,684	Apr. 5	936	205	109	1343
Munro, James H., assignor of one-half to J. M. Van Orden, Newark, N. J. Laying roofs.....	769,624	Sept. 6	924	200	112	210
Munro, James H., assignor of one-half to J. M. Van Orden, Newark, N. J. Roof-covering.....	769,663	Sept. 6	992	215	112	226
Munro, James H., assignor of one-half to J. M. Van Orden, Newark, N. J. Slating.....	769,664	Sept. 6	993	215	112	226
Munro, John S., Memphis, Tenn. Feeding mechanism for cotton-seed linters.....	757,137	Feb. 12	1852	405	109	1754
Munro, William, assignor to F. C. Corbin, New Britain, Conn. Sash-cord holder.....	751,093	Apr. 2	571	132	108	1183
Munsell & Co., Eugene. (See Warren, John D., assignor.)						
Munsey, Elbert W., Drane, Tex. Suspensory.....	765,094	July 12	2425	504	111	542
Munson, Alvin W., and A. S. Dornblaser, Hagerstown, Md. Carpet-winder.....	756,132	Mar. 29	5690	1255	109	1309
Munson, Clair. (See Blodt and Dana, assignors.)						
Munson, George A., Connellsville, Pa. Air-heating apparatus.....	761,530	May 31	5849	1254	110	1370
Munson, Harvey S., New Haven, Conn. Paper-feeding device.....	771,384	Oct. 4	321	71	112	1029
Munson, John K., Houghton, Wash. Packing for manholes.....	749,969	Jan. 19	2871	614	108	675
Munson, Samuel R., assignor to Landers, Frary and Clark, New Britain, Conn. Spring-balance.....	752,918	Feb. 23	4083	910	108	2001
Munson, Samuel R., assignor to Landers, Frary and Clark, New Britain, Conn. Spring-balance.....	755,025	Mar. 22	3591	788	109	836
Munson, Samuel R., assignor to Landers, Frary and Clark, New Britain, Conn. Spring-scale.....	766,460	Aug. 2	628	138	111	1177
Munson, Samuel R., assignor to Landers, Frary & Clark, New Britain, Conn. Fruit or hard press.....	776,253	Nov. 29	5494	1163	113	1308
Mutadas y Rovira, Manuel, Barcelona, Spain. Apparatus for treating fabrics.....	761,107	May 31	3066	1076	110	1196
Muntz, Henry J., Poughkeepsie, N. Y. Heat-radiating device for internal-combustion motors.....	778,425	Dec. 27	3066	850	113	2318
Muntz, Jacob H. (See Muntz, Oliver H., assignor.) (Reissue.)						
Muntz, Oliver H., Greenville, Pa. Pad-hook.....	748,773	Jan. 5	404	93	108	90
Muntz, Oliver H., assignor of one-half to J. H. Muntz, Greenville, Pa. Horse-blanket.....	12,253	Aug. 2	1390	289	111	1352
Muralo Company. (See Gould, John F., assignor.)						
Murch, Maynard H., Jr., Cleveland, Ohio. Emergency car-seat.....	757,334	Apr. 12	2247	489	109	1837

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Murch, William W., assignor of one-half to S. S. Holden, New York, N. Y. Reversible socket-wrench	759,823	May 10	2504	523	110	581
Murch, William W., assignor of one-half to S. S. Holden, New York, N. Y. Jaw-wrench	759,824	May 10	2506	524	110	582
Murdoch, Everett C., assignor to National Sweeper Company, Marion, Ind. Carpet-sweeper	756,042	Mar. 29	5523	1217	109	1274
Murdoch, Everett C., assignor to National Sweeper Company, Marion, Ind. Carpet-sweeper	773,581	Nov. 1	94	19	113	27
Murdoch, James S., Charleston, S. C. Hand cotton-picker	769,353	Sept. 6	435	97	112	96
Murdock, Charles W., Omaha, Nebr. Mail-bag catching and delivering apparatus	760,470	May 24	3744	793	110	893
Murdock, Charles W., Omaha, Nebr. Mail-bag catching and delivering device	769,365	Sept. 6	356	60, 61	112	56
Murdock and Geb Company. (See Johnson and Geb, assignors.)						
Murdock, George J., Newark, N. J. Gas-engine	753,510	Mar. 1	537	125 126	109	118
Murdock, George J., Newark, N. J. Sparking device for gas-engines	753,511	Mar. 1	544	127	109	119
Murdock, George J., Newark, N. J. Pumping apparatus	765,438	July 19	3083	645	111	703
Murdock, Samuel N., Columbus, Ohio. Gage-cock	751,538	Feb. 9	1381	315	108	1371
Murdock, William C. (See Bryant and Murdock.)						
Murgas, Joseph, Wilkesbarre, Pa. Wireless-telegraph apparatus	759,835	May 10	2508	524	110	582
Murgas, Joseph, Wilkesbarre, Pa. Communicating intelligence by wireless telegraph	759,836	May 10	2511	525	110	583
Murnane, Daniel J., Kirkwood, assignor to St. Louis Plate Glass Company, Valley Park, Mo. Machine for grinding or polishing glass	761,597	May 31	5970	1282	110	1397
Murnane, Daniel J., Kirkwood, Mo., and R. W. Davies, Avonmore, Pa.; said Murnane assignor to St. Louis Plate Glass Company. Table for grinding, smoothing, and polishing glass	749,801	Jan. 19	2557	543	108	606
Murphy, Andrew J. (See Norden, Folke F., assignor.)						
Murphy, Charles A. (See Hoffman, Harry, assignor.)						
Murphy, Charles A., Chicago, Ill. Pneumatic-despatch-tube carrier	760,471	May 24	3747	798	110	894
Murphy, Charles H., assignor of two-thirds to D. B. Hand and G. F. Garrity, Scranton, Pa. Electric-railway system	761,694	June 7	145	97	110	1470
Murphy, David A., Montreal, Canada. Clutch	771,919	Oct. 11	1399	318	112	1371
Murphy, Edward E., Chelsea, Mass., assignor to Puffer Manufacturing Company. Water-heater	757,563	Apr. 19	2716	594	109	1952
Murphy, Edward E., Chelsea, Mass., assignor to Puffer Manufacturing Company. Automatic controller for carbonators	767,419	Aug. 16	2901	548	111	1652
Murphy, Edward E., Chelsea, Mass., assignor to Puffer Manufacturing Company. Dispensing apparatus	774,888	Nov. 15	2654	570	113	627
Murphy, Edward E., Chelsea, Mass., assignor to Puffer Manufacturing Company. Dispensing apparatus	774,889	Nov. 15	2655	570	113	627
Murphy, Frank, Lisbon Center, N. Y. Butter-press	752,464	Feb. 16	1366	706	108	1779
Murphy, Fredrick, Peoria, Ill. Machine for dressing electros, zincs, or half-tones	771,739	Oct. 4	1002	224	112	1173
Murphy, George F., New York, N. Y. Explosive-engine	764,614	July 12	1473	300	111	339
Murphy, Harold T., Springfield, Mass. Collar-button	775,607	Nov. 22	4217	888	113	1008
Murphy, Henry B. (See Reese, Madison B., assignor.)						
Murphy, Herman. (See Richards, George C., assignor.)						
Murphy, James, Chicago, Ill. Furnace	759,002	May 3	835	169 170	110	192
Murphy, James C. (See Parker, Francis E., assignor.)						
Murphy, James J., et al. (See Michaud, Eliezer, assignor.)						
Murphy, James L. (See Tabor and Murphy.)						
Murphy, John, Columbus, Ohio. Railway-tie	758,927	May 3	698	140	110	163
Murphy, John, Parsons, Kans. Jointed piston-head packing-ring	768,136	Aug. 23	4112	864	111	2007
Murphy, John F., Jackson, Mich. Running-gear for vehicles	766,078	Nov. 29	5155	1088	113	1230
Murphy, John F., assignor to Automatic Elevator Controller Company, Jackson, Mich. Automatic controlling mechanism for elevators	776,077	Nov. 29	5151	1087	113	1229
Murphy, John H., and E. M. Camp, Chicago, Ill. Metallic formed sheet	748,634	Jan. 5	159	38	108	36
Murphy, John H., and E. M. Camp, Chicago, Ill. Retaining material for plaster or the like	751,094	Feb. 2	572	132 133	108	1184
Murphy, John J., Vincennes, Ind. Drier	778,663	Dec. 20	3182	700	113	2144
Murphy, John J., Wellston, assignor of forty-nine one-hundredths to J. D. Houseman, St. Charles, Mo. Railway-switch	751,988	Feb. 9	2283	510	108	1564
Murphy, John J., assignor of one-half to A. E. Grimes, Norwich, Conn. Single trigger for double guns	777,688	Dec. 20	2404	528	113	1986
Murphy, John L., New York, N. Y. Automatic gas-regulator	773,026	Oct. 25	3654	788	112	1805
Murphy, John W., Cork, Ireland. Rork-stopping device	771,286	Oct. 11	2169	474	112	1443
Murphy, Louis E., Jacksonville, Fla. Lubricant-conservator	772,954	Oct. 25	3507	759	112	1773
Murphy, Michael, Auburn, N. Y. Ladder or similar structure	773,582	Nov. 1	96	20	113	27
Murphy, Nicholas R., New York, N. Y. Bed-bottom	770,090	Sept. 13	1790	378	112	421
Murphy, Peter F., Milwaukee, Wis. Trap for catch-basins	751,989	Feb. 9	2235	511	108	1565
Murphy, Peter H. (See Ford, Elbert T., assignor.)						
Murphy, Peter H. (See Thompson, Gratton W., assignor.)						
Murphy, Robert G. (See McIntosh, Thomas M., assignor.)						
Murphy, Thomas, Detroit, Mich. Furnace	750,214	Jan. 19	3324	718	108	770
Murphy, Thomas J., Needles, Cal. Garment-holder	764,751	July 12	1753	357	111	390
Murphy, Thomas J., New York, N. Y. Valve for rock-drills	777,529	Dec. 13	2076	457	113	1900
Murphy Vanzish Company. (See Anderson, Theodore P., Jr., assignor.)						
Murphy, William, Dayton, Ohio. Addressing-machine	764,615	July 12	1475	301 302	111	339
Murphy, William R., St. Louis, Mo. Automatic railway-switch	751,685	Feb. 9	2020	457	108	1508
Murray, Alexander, Golspie, Canada. Gate-latch	761,983	June 7	728	148	110	1598
Murray, Charles E., Fredericton, New Brunswick, Canada. Neck-yoke and holdback	769,394	Sept. 6	508	112	112	115
Murray, Charles F., Los Angeles, Cal. Show-case	761,243	May 31	3231	1130	110	1252
Murray, Charles J., Willimantic, Conn., assignor to himself, and J. A. Murray, Worcester, Mass. Support for scavenger-rolls of spinning frames	775,928	Nov. 29	4889	1025	113	1157
Murray, Charles K., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Type-mold	748,676	Jan. 5	613	138	108	137
Murray Co. (See Murray, Stephen D., assignor.)						
Murray, Gordon B., Alledande, Mo. Car or barn door	750,679	Jan. 26	4202	911	108	978
Murray, Jeremiah. (See Hughes, Hugh T., assignor.)						
Murray, John A. (See Murray, Charles J., assignor.)						
Murray, John D., San Francisco, Cal., assignor, by mesne assignments, to Marine Construction Co. Sand-blast apparatus	773,625	Nov. 1	251	56	113	60
Murray, John J., assignor of one-half to D. D. Hobbs, Cleveland, Ohio. Explosive-engine	757,261	Apr. 12	1997	435	109	1735
Murray, Peter, assignor of one-half to A. L. Aitchison and J. Leach, Jersey City, N. J. Means for supplying liquid fuel to explosive-engines	765,629	July 19	3445	727	111	780

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Murray, Samuel W., Milton, Pa. Muffler.....	766,963	Aug. 9	1734	362	111	1444
Murray, Stephen D., assignor to Murray Co., Dallas, Tex. Cotton-cleaning apparatus.....	775,279	Nov. 15	3497	737	113	829
Murray, Thomas, Buffalo Creek, South Gippsland, Victoria, Australia. Means for operating targets on rifle-ranges.....	760,112	July 26	4425	948	111	1002
Murray, Thomas, Buffalo Creek, Victoria, Australia. Apparatus for signaling the value of shots on targets.....	775,761	Nov. 22	4515	957	113	1071
Murray, William J., New York, N. Y. Scaffold-support.....	769,395	Sept. 6	509	112	112	115
Murray, William J., assignor of one-half to H. W. Wolcott, Leavenworth, Kans. Electric switch.....	777,801	Dec. 20	2635	581	113	2035
Murrell, Napoleon L., et al. (See Richardson, Wheeler, assignor.).....						
Murtha, Harold J., et al. (See Johnston, Abner, assignor.).....						
Muscheheim, Frederick A., and W. F. Hendry, New York, N. Y., assignors to Western Electric Company, Chicago, Ill. Automatic brake for controlling switches of electric motors.....	748,635	Jan. 5	161	99	108	36
Musgrave, Bernard, Heaton, England. Gas and oil engine.....	750,478	Jan. 26	3819	829	108	900
Musits, Sigmund, Steinamanger, Austria-Hungary. Apparatus for wireless telephony.....	777,216	Dec. 13	1481	328	113	1770
Musker, Arthur. (See Heyl-Dia and Musker.).....						
Muskett, James W., Scranton, Pa. Pipe-wrench.....	761,389	May 31	5617	1195	110	1316
Mussell, Jacob, Homedale, Idaho. Swath-cutting attachment for mowing-machines.....	763,068	June 21	2880	622	110	2103
Mussinau, Oscar, New York, N. Y., assignor to Dennison Manufacturing Company. Cold-mail card.....	758,091	Apr. 26	3757	817	109	2199
Musso, Giuseppe S., Angelo dei Lombardi, Italy. Wireless electric apparatus acting on type-writers.....	751,803	Feb. 9	1884	439	108	1477
Mustgrove, Charles H., Colorado Springs, Colo. Harness-rack.....	754,483	Mar. 15	2560	557	109	595
Mustin, Henry C., Philadelphia, Pa. Prismatic telescope.....	778,694	Dec. 27	4404	964	113	2427
Mutel, Marcel, Paris, France. Regulating device for engines.....	754,001	Mar. 8	1565	1349	109	361
Muth, George E., and F. S. Culp, Mansfield, Ohio. Corn-planter.....	778,138	Dec. 20	3329	730	113	2176
Muth, John P., Jersey City, N. J., assignor of two-thirds to H. S. Cornish and A. L. Wood, New York, N. Y. Coin-operated liquid-vending machine.....	762,429	June 14	1853	346	110	1802
Muth, Sarah S., Syracuse, N. Y. Apparatus for burning water.....	774,447	Nov. 8	1738	374	113	405
Mutterer, Leonard G., Hamburg, Germany. Covering for walls or like surfaces.....	774,890	Nov. 15	2658	112	113	628
Muylywk, Pieter D., Gouvia, Netherlands. Means for igniting street or other lamps.....	778,139	Dec. 20	3330	730	113	2176
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	753,512	Mar. 1	549	128	109	120
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	753,513	Mar. 1	558	129	109	122
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	754,082	Mar. 8	1711	1381	109	393
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	768,997	July 5	148	24,25	111	37
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	766,646	Aug. 2	1031	1216	111	1270
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	771,262	Oct. 4	81	18	112	979
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,090	Oct. 25	3847	821	112	1851
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,091	Oct. 25	3853	822	112	1852
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,515	Oct. 25	4831	1019	112	2070
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	775,087	Nov. 15	3049	647	113	721
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	775,088	Nov. 15	3056	648	113	722
Muzzy, William H., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.....	775,380	Nov. 22	3716	649	113	895
Myers Adjustable Horse Shoe Co. (See Myers, John M., assignor.).....						
Myers, Albert G., Charlotte, N. C. Planter.....	749,394	Jan. 12	1730	366	108	412
Myers, Charles A., et al. (See Gilmore and Lindsay, assignors.).....						
Myers, Clyde E., Syracuse, Ind. Caster-wheel.....	759,299	May 10	1479	296	110	358
Myers, David M., New York, N. Y. Furnace for burning tan or like fuel.....	754,933	Mar. 15	3414	746	109	780
Myers, Franklin P., Trailrun, Ohio. Adjusting device for oil-well pumping apparatus.....	763,621	June 28	3951	859	110	2358
Myers, George D. (See Myers, Orlando, assignor.).....						
Myers, George F., Pittsburg, Pa. Loading-machine for mine-cars.....	761,695	June 7	147	27,28	110	1471
Myers, Henry F. (See Kray, John A., assignor.).....						
Myers, Henry R., Covington, Ky. Automatic measure and funnel.....	751,695	Feb. 9	1631	370	108	1424
Myers, Herbert H., assignor to J. Whitett, Washington, Kans. Vise.....	772,928	Oct. 18	2664	585	112	1572
Myers, J. M. (See Loving, Leslie W., assignor.).....						
Myers, Jerome, New York, N. Y. Artist's sketching-shoe.....	771,995	Oct. 11	1559	350	112	1306
Myers, John M., assignor to Myers Adjustable Horse Shoe Co., Louisville, Ky. Horse-shoe.....	770,917	Sept. 27	3408	718	112	817
Myers, John M., assignor to Myers Adjustable Horse Shoe Co., Louisville, Ky. Horse-shoe.....	770,918	Sept. 27	3410	719	112	817
Myers, John T., Culmerville, Pa. Window-lock.....	762,648	June 14	2043	442	110	1901
Myers, Louis, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Paper-release device for type-writers.....	752,092	Feb. 16	2455	549	108	1622
Myers, Louis, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Carriage-shifting mechanism.....	752,093	Feb. 16	2456	549	108	1623
Myers, Louis, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar bearing.....	755,033	Mar. 22	3604	791	109	839
Myers, Louis, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Carriage-bearing.....	775,338	Nov. 22	3623	768	113	875
Myers, Louis, Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Carriage-shifting mechanism for type-writers or like machines.....	766,371	Aug. 2	454	97	111	1140
Myers, McClelland, Moosic, assignor of one-half to J. P. Elkins, Indiana, Pa. Glass-mold movement.....	771,483	Oct. 4	510	115	112	1067
Myers, McClelland, Moosic, assignor of one-half to J. P. Elkins, Indiana, Pa. Mechanical movement.....	771,484	Oct. 4	511	115	112	1067

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Myers, Orlando R., Warsaw, Ill., assignor of one-half to G. D. Myers, Keokuk, Iowa. Cycle bank and register.	771,087	Sept. 27	3746	789	112	892
Myers, Philip A., Ashland, Ohio. Cable-carrier knocker.	767,488	Aug. 16	2747	576	111	1686
Myers, Robert L., et al. (See Walker, George B., assignor.)						
Myers, William D., Waynoka, Okla. Ter. Grain-drill	771,485	Oct. 4	513	1115	112	1068
Myers, William H., New York, N. Y. Piston-packing	765,033	July 12	2296	478	111	517
Myers, William M. R. (See Updegraff, Daniel F., assignor.)						
Mygatt, Otis A., New York, N. Y. Retort incandescent light.	755,687	Mar. 29	4801	1069	109	1112
Mygatt, Otis A., New York, N. Y. Making pressed glassware	762,925	June 21	2618	567	110	2045
Mygatt, Otis A., New York, N. Y. Shade-reflector for artificial lights	762,926	June 21	2619	568	110	2046
Mygatt, Otis A., New York, N. Y. Composite incandescent-lamp bulb and reflector	762,927	June 21	2620	568	110	2046
Mygatt, Otis A., New York, N. Y. Prism-glass shade-reflector	763,689	June 28	4082	891	110	2388
Mygatt, Otis A., New York, N. Y. Reflector-shade for artificial lights	763,689	June 28	4085	891	110	2389
Mygatt, Otis A., New York, N. Y. Reflector of prisms glass.	776,079	Nov. 29	5158	1088	113	1230
Mylin, Amos H., Lancaster, Pa., and L. B. White, Jersey City, N. J., assignors to Caloric King Furnace Company, Brooklyn, N. Y. Furnace	757,949	Apr. 19	3461	1749	109	2117
Mylor, Benjamin, Gex, Ky. Seed-drill attachment	755,523	Mar. 22	4484	986	109	1027
Myrick, Gilbert S., Philadelphia, Pa. Window-ventilator	763,106	June 21	2951	636	110	2118
Myser, James F., Newcastle, Colo. Water-motor.	775,776	Nov. 22	4543	964	113	1077
N. Lombard Improved Governor Company. (See Lombard, Nathaniel, assignor.)						
N. Tire Company. (See Blodgett, John W., assignor.)						
N. L. Hayden Company. (See Tippet, Harold P., assignor.)						
N. L. Hayden Manufacturing Co. (See Tippet, Harold P., assignor.)						
N. O. Nelson Manufacturing Company. (See Reid and Hanley, assignors.)						
Naber, Moses H., assignor to Naber Spring Company, Chicago, Ill. Spring	763,505	June 28	3752	810	110	2315
Naber Spring Company. (See Naber, Moses H., assignor.)						
Nace, John C., Johnetta, Pa. Heating apparatus	749,096	Jan. 5	1082	293	108	249
Nachmann, Louis, New York, N. Y. Drapery-hook	763,740	June 28	4272	930	110	2421
Nadel, Erwin K., Elkhart, Ind. Receipt form or blank	768,338	Aug. 23	4495	945	111	2097
Nadorff, Henry, Louisville, Ky. Bung and bushing and air connection for barrels	773,967	Nov. 1	866	182	113	199
Nadorff, Henry, Louisville, Ky. Air connection and tap for barrels	773,967	Nov. 1	869	182	113	199
Nadrowski, Johannes, Dresden, Germany. System of heating boilers by exhaust-steam.	774,334	Nov. 8	1548	381	113	365
Naef, Paul, New York, N. Y. Lixiviating ores.	749,700	Jan. 12	2336	493	108	541
Naef, Paul, New York, N. Y. Manufacturing gas	749,945	Jan. 19	2838	605	108	667
Naef, Paul, New York, N. Y. Producing gas	753,294	Mar. 1	146	35	109	36
Naef, Paul, New York, N. Y. Making gas	753,295	Mar. 1	149	35	109	36
Naef, Paul, New York, N. Y. Apparatus for making gas	753,296	Mar. 1	152	35	109	36
Naef, Paul, New York, N. Y. Apparatus for treating solids, such as ores, liquids, or gases	756,271	Apr. 5	153	32	109	1376
Nagel, John, Springfield, Ohio. Cultivator	732,822	Feb. 23	3925	880	108	1964
Nagel, John P., Chicago, Ill. Lamp.	756,977	Apr. 12	1524	335	109	1681
Nagel, Oskar, Hamborn, Germany. Making spelter	766,279	Aug. 2	292		111	1105
Nagel, Theodore, assignor of one-half to L. H. Collins, Chicago, Ill. Fuse for electric circuits	748,639	Jan. 5	166	40	108	37
Nagely, John, Toledo, Ohio. Skirt-hanger	773,583	Nov. 1	97	20	113	27
Nagle, James C., and B. Prouty, Columbus, Ohio. Crank	749,946	Jan. 19	2834	605	108	667
Nagle, Patrick S., Kingfisher, Okla. Ter. Negotiable-instrument blank.	760,550	May 24	3900	828	110	929
Naidul, Joseph, Milwaukee, Wis. Plow	750,385	Jan. 26	3649	792	108	863
Nairn, Michael B., Kirkcaldy, Scotland. Apparatus for the manufacture of mosaic linoleum floor-cloth or the like	754,085	Mar. 8	1720	1383	109	395
Nameche, Joseph, Tarentum, Pa. Elevator safety device	751,330	Feb. 2	1041	236	108	1279
Nance, Albert W. and T. H. Davis Mills, Va. Harness-buckle	748,776	Jan. 5	408	94	108	91
Nance, Thaddeus H. (See Nance, Albert W. and T. H.)						
Nance, William B., Atchison, Kans. Wind or water motor	763,623	June 28	3955	860	110	2358
Nanz, August F. (See Vogelmann and Nanz.)						
Napier, George R., Macon, Ga. Nozzle-valve for sausage-stuffers	765,295	July 19	2777	579	111	637
Napier, James L. (See Alexander and Napier.)						
Napier, Montague S., and A. J. Rowledge, London, England; said Rowledge assignor to said Napier. Carburetor for petrol-motors	751,434	Feb. 2	1206	275	108	1313
Napier, William D., Paisley, Scotland. Bunker, bin, or the like	756,133	Mar. 29	5691	1255	109	1310
Nardi, Thomas J., Worcester, Mass. Mechanical toy	760,642	May 24	4088	869	110	970
Naret, Edward L., and J. R. Ernst, Morgantown, W. Va. Trolley	775,777	Nov. 22	4546	965	113	1078
Narragansett Machine Company. (See Thornley, Albert J., assignor.)						
Narsh, Joseph M., Fort Worth, Tex. Fence-post	774,099	Nov. 1	1125	299	113	255
Nash, Alexander Q., Sherman, Tex. Steam-boiler furnace	775,116	Nov. 15	3122	662	113	737
Nash, E. W. (See Hill, Jacob A., assignor.)						
Nash, Frederic J., New York, N. Y. Road or pavement	777,858	Dec. 20	2773	609	113	2063
Nash, Frederic J., New York, N. Y. Road or pavement	777,859	Dec. 20	2776	609	113	2063
Nash, Frederic J., New York, N. Y. Road or pavement	777,860	Dec. 20	2777	610	113	2064
Nash, Frederic J., New York, N. Y. Road or pavement	777,861	Dec. 20	2778	610	113	2064
Nash, Frederic J., New York, N. Y. Pavement for roads or other uses	777,862	Dec. 20	2780	610	113	2064
Nash, John M., Milwaukee, Wis. Machine for reducing wood or other materials	763,315	June 21	3349	726	110	2207
Nash, Lewis H., South Norwalk, Conn. Liquid stuffing-box for steam-turbines	773,297	Oct. 25	4352	919	112	1967
Nash, Lewis H., South Norwalk, Conn., assignor to National Meter Company, New York, N. Y. Water-meter	748,777	Jan. 5	410	94	108	92
Nash, Lewis H., South Norwalk, Conn., assignor to National Meter Company, New York, N. Y. Meter register	748,778	Jan. 5	411	94	108	92
Nash, Lewis H., South Norwalk, Conn., assignor to National Meter Company, New York, N. Y. Mixer and governor for gas-engines	760,750	May 24	4329	919	110	1020
Nash, Michael J., and J. T. Waniger, St. Louis, Mo. Coin-controlled vending-machine	732,380	Feb. 16	3382	755	108	1828
Nash, Nathan E., Detroit, Mich. Heat-regulating apparatus	749,597	Jan. 12	1734	367	108	413
Nash, Nathan E., Toronto, Canada, assignor to Nash Regulating Valve Company, Detroit, Mich. Regulating-valve	749,596	Jan. 12	1732	367	108	413
Nash, Peter, Salem, Oreg. Stool	768,478	Aug. 23	4794	1004	111	2162
Nash Regulating Valve Company. (See Nash, Nathan E., assignor.)						
Nason, Carleton W., New York, N. Y. Condensing apparatus	772,428	Oct. 18	2465	540	112	1530

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National Battery Company. (See Lyndon and Sperry, assignors.)						
National Battery Company. (See Sperry, Elmer A., assignor.)						
National Blank Book Company. (See Baxter, Alfred T., assignor.)						
National Brazing Compound Company. (See Schaap, Leigh R., assignor.)						
National Building Block Company. (See Gelhaar, Otto, assignor.)						
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National Burglar and Fire Alarm Company. (See Hasburg, John W., assignor.)						
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National Hydrocarbon Car Company. (See Brown, William O., assignor.)						
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National Machine Company. (See Haywood, Daniel H., assignor.)						
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National Magnetic Mineral Separating Company. (See Campbell, Henry F., assignor.)						
National Malleable Castings Company. (See Coffin, Walter E., assignor.)						
National Malleable Castings Company. (See Gallagher, Henry, assignor.)						
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National Malleable Castings Company. (See Krakau, Harry T., assignor.) (Reissue.)						
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National Malleable Castings Company. (See Tower, Clinton A., assignor.)						
National Measured Service Company. (See Stroud, Harold D., assignor.)						
National Metal Bug Company. (See Greenwood, Edwin N., assignor.)						
National Meter Company. (See Nash, Lewis H., assignor.)						
National Meter Company. (See Tuttle, Arthur S., assignor.)						
National Non-Refillable Bottle Company. (See Okey, George B., assignor.)						
National Novelty Corporation. (See Colwell, Nicholas H., assignor.)						
National Oil Heating Company. (See Leach, John N., assignor.)						
National Patent Lath and Manufacturing Company. (See O'Brien, John D., assignor.)						
National Rolled Steel Car Company. (See Carnahan, Cyrus M., assignor.)						
National Safety Gas Burner Company. (See Briggs and Falwell, assignors.)						
National Shoe-Plate Manufacturing Company. (See West, Mansfield M., assignor.)						
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National Sweeper Company. (See Holson, Walter D., assignor.)						
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National Telephone Company. (See Grauel, Edwin L., assignor.)						
National Truck Company. (See Kelly, John E., assignor.)						
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National Valve Company. (See Halley and Downey, assignors.)						
National Vapor Stove & Mfg. Co. (See Walton, Allyn B., assignor.)						
National Ventilating Company. (See Jacobson, Samuel H., assignor.)						
National Vitrified Post Company. (See Odell, James A., assignor.)						
Nattermann, George, Denver, Colo. Locking hat-rack	769,488	Sept. 6	696	149 150	112	159
Natural Body Brace Company. (See Rash, Howard C., assignor.)						
Natural Food Company. (See Burbank, Louis S., assignor.)						
Nauck, Willy. (See Lienekampf and Nauck.)						
Naudin, Laurent, assignor to La Société Française de la Viscose, Paris, France. Apparatus for extracting air and bisulfid of carbon contained in viscose	767,421	Aug. 16	2604	549	111	1652
Naudin, Laurent, assignor to La Société Française de la Viscose, Paris, France. Apparatus for treating viscose	773,412	Oct. 25	4600	971 972	112	2019
Naumann, Emil, Cologne, Germany. Producing nitrate of ammonium	764,251	July 5	690		111	153
Navarrete, Juan, et al. (See Washington, David, assignor.)						
Naylor, George W., Sr., Catskill, N. Y., and J. Doran, Jersey City, N. J. Election-booth	756,398	Apr. 5	416	86	109	1432
Naylor, James Jr., Arlington, N. J. Steam-separator	768,190	Aug. 23	4206	884	111	2027
Neafie, Andrew J., Bonton, N. J. Railway-switch	778,262	Dec. 27	3568	782	113	2246
Neahr, Jacob E., Melrose, Mass. Receptacle for matches	751,675	Feb. 9	1641	373	108	1426
Neahr, Jacob E., Melrose, Mass. Match-receptacle	753,297	Mar. 1	155	36	109	37
Neal, George P., assignor of one-half to A. B. Sode, Evansville, Ind. Picture-holder for monuments	766,838	Aug. 9	1480	310	111	1390
Neal, George V., Thomaston, Conn. Apparatus for vibrating hair-springs to time	766,722	Aug. 2	1199	232 233	111	1307
Neal, Herbert G. (See Hauser, Samuel M., assignor.)						
Neal, John D., Waterville, Me. Concealed window-shade support	761,006	May 24	4824	1025	110	1126
Neal, Lucian. (See Neal, Van B. and L.)						
Neal, Marshall M. (See White and Neal.)						
Neal, Van B. and L., Desoto, Ohio. Thill-coupling	777,689	Dec. 20	2405	529	113	1986
Neale, David, Fort Calhoun, Neb. Submerged dike	761,898	June 7	579	115	110	1568
Neall, Newitt J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilated coil for electrical apparatus	772,288	Oct. 11	2174	475	112	1444
Nearing, George H., assignor to North & Judd Manufacturing Company, New Britain, Conn. Snap-hook	768,817	Aug. 30	5503	1157	111	2333
Neben, Ernest A., New York, N. Y. Manufacture of plates for printing	774,528	Nov. 8	1903	413	113	441
Necker, Carl, assignor to Necker & Co., Berlin, Germany. Overseam sewing-machine	768,906	Aug. 30	5689	1196 1197	111	2379
Necker & Co. (See Necker, Carl, assignor.)						
Nederman, Herman, assignor of three-fourths to E. Sloane and T. L. Schurmeier, St. Paul, Minn. Automatic turning and sewing machine	751,544	Feb. 9	1394	317 318 319 320	108	1373
Neece, William H. (See Waller, Frank E., assignor.)						
Neeley, George S., St. Louis, Mo. Glass water-gage for steam-boilers	756,134	Mar. 29	5692	1256 380	109	1310
Neeley, George S., St. Louis, Mo. Dynamo-regulator	770,098	Sept. 13	1805	381 381	112	424
Neeley, George S., St. Louis, Mo. Voltage-regulator for dynamos	770,099	Sept. 13	1808	381 382	112	425
Neely, Thomas W., Marshall, Ill. Electric steam and vapor generator	758,094	Apr. 26	3769	819	109	2203
Neely, Thomas W., Marshall, Ill. Generating steam	758,095	Apr. 26	3772	819	109	2203
Neer, Adam, St. Paris, Ohio. Corn-harvester	754,491	Mar. 15	2580	560 561	109	599
Neerup, Peter J., assignor to H. H. Boesenberg, Chicago, Ill. Knife-sharpener	777,483	Dec. 13	1996	441	113	1885
Neff, John F. (See Nichols and Neff.)						
Neff, Wallace. (See Turner, Charles W. S., assignor.)						
Neffler, Edward B., Aberdeen, S. D. Hip-adjuster	757,140	Apr. 12	1855	406	109	1755
Netzger, Christian C., Lima, Iowa. Combination game-counter	754,003	Mar. 8	1596	351	109	362
Neher, John F., Guthrie, Okla. Ter. Stone-saw	777,690	Dec. 20	2408	529	113	1986
Nehls, August T. F., Südde, Germany. Pneumatic hand-hammer	755,381	Mar. 22	4243	938	109	976
Nehrbas, John G., Seattle, Wash. Shut-off	769,830	Sept. 13	1327	283	112	319
Nehren, Ambros. (See Pfoser and Nehren.)						
Nehring, Ulrich, New York, N. Y. Forming images	772,471	Oct. 18	2560	563	112	1550
Nehring, Ulrich, assignor to Scientific Lens Co., New York, N. Y. Lens	756,881	Apr. 12	1823	295	109	1641
Nehring, Ulrich, assignor to Scientific Lens Company, New York, N. Y. Lens	761,390	May 31	5617	1196	110	1317
Nelise, Friedrich H. E. C., Dusseldorf, Germany. Furnace-grate	753,298	Mar. 1	156	36	109	37
Neidenbach, Franz J., assignor of one-half to K. Zellner, Fiume, Austria-Hungary. Floor or like brush	757,381	Apr. 19	3242	708	109	2068
Neider, Fred A., Augusta, Ky. Tufting-button	768,013	June 21	2773	601	110	2080
Neider, Fred A., Augusta, Ky. Clasp	768,014	June 21	2774	601	110	2080
Neidi, Frank, Los Angeles, Cal. Combination hanging basket and pot	754,683	Mar. 15	2947	648	109	676
Neil, John W., Cincinnati, Ohio. Duplicate engine	748,975	Jan. 5	834	176	108	194
Neil, Pryor L., Boise, Idaho. Mail-bag for railway service	756,135	Mar. 29	5693	1256	109	1310
Neil, Pryor L., Boise, Idaho. Mail-bag catching and delivering device	763,316	June 21	3354	728 729	110	2208
Neil, Eli, and H. Marsh, New Bedford, Mass. Machine for spinning and winding yarn	778,698	Dec. 27	4411	965	113	2420
Neiler, Samuel G., et al. (See Neiler, Edie and Small, assignors.)						
Neill, Arthur. (See Foy, George P.)						
Neill, James W., Salt Lake City, Utah. Filter-press	772,472	Oct. 18	2562	563	112	1550
Neilson, Andrew, Wilson, Pa. Swaging-tool	768,395	Aug. 23	4641	971	111	2131
Neilson, Andrew, Wilson, Pa. Vessel	772,171	Oct. 11	1385	428	112	1387
Neilson, William J., Wilson, Pa. Miner's car	772,172	Nov. 22	4548	965	113	1079
Nein, Milford H., Mount Penn, Pa. Hat-napping machine	758,804	Mar. 1	1167	263	109	251
Neimens, Jacob, and H. Kleinielsen, Geldern, Germany. Mud-guard for cycles	750,386	Jan. 26	3649	738	108	803
Neireiter, Henry N., Decatur, Ind. Tile-drain inlet for surface water	770,019	Sept. 13	1680	356	112	897
Nelham, Frederick E., and G. A. Lloyd, Chiswick, England. Automatic dry covered seat	768,678	Aug. 30	5237	1100	111	2275
Neligh, Sherman. (See Schwartz and Neligh.)						
Nelson, Albert H., Lewiston, Me. Lamp-burner	751,545	Feb. 9	1400	320	108	1375
Nelson, Albert H., Lewiston, Me. Lamp-wick	753,299	Mar. 1	158	36	109	37
Nelson, Andrew S., A. Stewart, and T. J. Foster, Motherwell, Scotland. Bogie or truck for tramway-cars, railway-carriages, or the like	750,387	Jan. 26	3650	738	108	863
Nelson, Anton R. (See McKinsey and Nelson.)						
Nelson, August, Chicago, Ill. Transfer-table	777,128	Dec. 13	1332	294	113	1739

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Nelson, August G. (See Brickell, Eli F., assignor.)						
Nelson, Axel L., Ottumwa, Iowa. Manac	778,761	Dec. 27	4535	993	113	2456
Nelson, Carl. (See Nelson, Carl A., C. and H. T.)						
Nelson, Carl A., C. and H. T., Brocton, Minn. Stovepipe	776,673	Dec. 6	416	92	113	1521
Nelson, Charles R., Chicago, Ill. Creasing-machine	756,882	Apr. 12	1326	295	109	1641
Nelson, Charles R., Chicago, Ill. Loose-leaf binder	760,799	May 24	4432	943	110	1041
Nelson, Charles R., Chicago, Ill., assignor to W. G. Lloyd Company. Loose-leaf binder	770,020	Sept. 13	1681	337	112	397
Nelson, Charles R., Chicago, Ill., assignor to W. G. Lloyd Company. Loose-leaf binder	770,021	Sept. 13	1683	337	112	398
Nelson, Christian, Morrison, Ill. Buggy-boot	748,779	Jan. 5	413	95	108	92
Nelson, Clinton D., Lordsburg, assignor to H. K. Miller Manufacturing Company, Glendora, Cal. Fruit-elevator	751,676	Feb. 9	1642	373	108	1426
Nelson, Edward L. (See Simpson and Nelson.)						
Nelson, Emil A., Cleveland, Ohio. Power-transmission mechanism	750,995	Feb. 2	395	94	108	1145
Nelson, Erick, St. Paul, Minn. Speed-reducing gear	765,785	July 26	3810	811	111	868
Nelson, Ernest B., Burchinal, Iowa. Conveyer	755,526	Mar. 22	4489	997	109	1028
Nelson, Ernest B., Burchinal, Iowa. Loading device	778,099	Dec. 27	4412	966	113	2429
Nelson, Frank. (See Mitchell, Thomas J., assignor.)						
Nelson, Frank E., Santa Barbara, Cal. Oil-burning device	778,765	Nov. 1	439	97	113	103
Nelson, Frank J. (See Walbridge, Frank C., assignor.)						
Nelson, George A., Providence, R. I. Gas-detector	754,596	Mar. 15	2776	605	109	639
Nelson, George F. (See Hynson, Medford, assignor.)						
Nelson, Harry T. (See Nelson, Carl A., C. and H. T.)						
Nelson, Henry C. (See Mullins, Hare, and Nelson.)						
Nelson, Henry C., Salem, Ohio. Window	751,747	Feb. 9	1784	407	108	1455
Nelson, Henry C., Buffalo, N. Y. Supplemental shirt-bosom	760,142	May 17	3133	655	110	739
Nelson, Hilding, New Britain, Conn. Cooling means for explosive-engines	750,885	Feb. 2	304	46	108	1103
Nelson, Horatio, assignor, by mesne assignments, to S. S. Wenzell, Philadelphia, Pa. Cloth-folder	752,995	Feb. 23	4242	945	108	2036
Nelson, James W., New York, N. Y. Riveting-tool	751,195	Feb. 2	767	175	108	1321
Nelson, John, Peru, Ill. Rheostat	770,472	Sept. 20	2537	541	112	606
Nelson, John, assignor to American Nickeloid & Manufacturing Company, Peru, Ill. Cleansing sheet-zinc	768,818	Aug. 30	5504	1158	111	2333
Nelson, John O. (See Sall and Nelson.)						
Nelson & Kreuter Company. (See André, William E., assignor.)						
Nelson, Lewen R., Boulder, Colo. Hose-coupling	763,317	June 21	3356	729	110	2209
Nelson, Louis. (See Nelson, Olof and L.)						
Nelson, Martin W., Kent, Minn. Car-door	751,985	Feb. 9	2154	486	108	1537
Nelson, Martin W., Kent, Minn. Grating for cars	751,982	Feb. 9	2251	512	108	1566
Nelson, Nels E., Des Moines, Iowa. Folding cot	764,368	July 5	951	192	111	211
Nelson, Nels E., assignor of one-half to M. A. Makeever, Stromsburg, Nebr. Mandolin or orchestral attachment for pianos, organs, &c.	766,512	Aug. 2	753	157 158	111	1205
Nelson, Nels I. (See Thompson, Erick L., assignor.)						
Nelson, Nels I., Crookston, Minn. Pneumatic straw-stacker	748,640	Jan. 5	168	40	108	37
Nelson, Nels O., Chicago, Ill. Shunt-controller for electric machines	756,045	Mar. 29	5525	1218	109	1275
Nelson, Olof and L., Sheridan, Wyo. Hay-stacker	771,658	Oct. 4	864	194	112	1144
Nelson, Peter J., Baltimore, Md., assignor to Baltimore Amalgamator Company of Baltimore City. Amalgamator	752,246	Feb. 16	2738	607	109	1687
Nelson, Peter N., Galesville, Wis. Power-transmission device	768,893	Aug. 30	5649	1188	111	2359
Nelson Valve Company. (See Stahl, Frank, assignor.)						
Nelson, Victor, and R. Nicholls, McKeesport, Pa. Railway-tie	770,604	Sept. 20	2787	592	112	662
Nelson, William P., St. Louis, Mo. Shaving-paper holder	758,036	Apr. 26	3774	819	109	2204
Nethorp, Frank W., et al. (See Goundry, John B., assignor.)						
Nemelka, Lorenz. (See Oesterreicher, Alfred, assignor.)						
Nemmerl, Max F. J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locking device for switches	770,818	Sept. 27	3224	679	112	777
Neptune Meter Company. (See Thomson, John, assignor.)						
Neracher, Inozens J., Cleveland, Ohio. Wire-loom	751,546	Feb. 9	1401	320	108	1375
Nesbitt, David M., Washington, D. C. Earth-moving apparatus	769,561	Sept. 6	822	176	112	196
Nesbitt, Oswin G., et al. (See Hines, Hardin, assignor.)						
Nesbitt, William, Toronto, Canada. Casing-turner	754,597	Mar. 15	2777	605	109	640
Nesemann, Louis, New York, N. Y. Camera	770,100	Sept. 13	1811	382 383	112	425
Nesmith, John W., Denver, Colo. Spring for automobiles or the like	778,460	Dec. 27	3982	867	113	2334
Nethery Hydraulic Valve Company. (See Nethery, Joseph W., assignor.)						
Nethery, Joseph W., assignor to Nethery Hydraulic Valve Company, Indianapolis, Ind. Valve	751,096	Feb. 2	576	133 134	108	1184
Nethery, Joseph W., assignor to Nethery Hydraulic Valve Company, Indianapolis, Ind. Valve	751,077	Feb. 9	1645	373	109	1427
Nethery, Joseph W., assignor to Nethery Hydraulic Valve Company, Indianapolis, Ind. Valve	752,176	Feb. 16	2598	578	108	1533
Nethery, Joseph W., assignor to Nethery Hydraulic Valve Company, Indianapolis, Ind. Valve	760,913	May 24	4651	990	110	1089
Nettl, Anton, Prague, Austria-Hungary. Molding adhesives	757,337	Apr. 12	2254		109	1859
Nettleton, George E., assignor of one-half to E. Hewett, New Haven, Conn. Clinical-thermometer holder	754,231	Mar. 8	2904	446	109	457
Nettleton, Stiles R., Kirkland, Wash. Laundry-tongs	765,851	July 26	3924	837	111	893
Neubauer, Carl E., assignor of one-fourth to M. Swanson and C. F. Olson, Chisholm, Minn. Rail-fastening	761,600	May 31	5974	1283	110	1398
Neubauer, Jacob, Wells, Minn. Portable elevator	762,488	June 14	1716	369	110	1830
Neubeck, August, New York, N. Y. Thermometer for incubators	767,493	Aug. 16	2769	578	111	1692
Neuber, Franz, Wiener Neustadt, and J. Tambour, assignors of one-third to C. Colbert, Vienna, Austria-Hungary. Small-arms	749,877	Jan. 19	2699	575	108	636
Neuberger, Ignatz, Saaz, Austria-Hungary. Tobacco-pipe	753,527	Mar. 22	4491	968	109	1028
Neuberger, Louis, assignor to Connecticut Web Company, Bridgeport, Conn. Suspender-buckle	738,424	Mar. 1	890	90	109	85
Neubert, Armin L., and S. T. Wiedenbeck, Minneapolis, Minn. Brewer's apparatus	749,087	Jan. 5	1083	229	108	249
Neubert, Augustus, Elizabeth, N. J. Hanger for trolley-wires	768,863	Aug. 30	5603	1178	111	2357
Neubert, Augustus, Elizabeth, N. J. Crossover-arch for intersecting trolley-wires	768,864	Aug. 30	5604	1178	111	2358
Neubert, Richard L., Knoxville, Tenn. Saw	775,576	Nov. 32	4162	877	113	995
Neuberth, Franklin G., Waterville, Conn. Door-check	755,396	July 19	2990	626	111	683

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Neuberth, George E., Newark, N. J. Electric switch box or case.....	767,163	Aug. 9	2132	443	111	1532
Neugebauer, Franz, Goldschmieden, near Deutsch Lissa, Germany. Electrical time cut-out for controlling railway-barriers or the like.....	772,368	Oct. 18	2348	515	112	1504
Neugeboren, Rudolf, Amberg, Germany. Wrench-machine.....	774,363	Nov. 8	1595	542	113	876
Neukirch, Hubert Y., Zwickau, Germany. Machinery for continuously cutting coal.....	733,082	Feb. 23	4421	983	108	2077
Neukirchen, Peter, Chicago, Ill. Combination drawing-tool.....	752,699	Feb. 23	3641	811	108	1902
Neuman, David. (See Frank Charles, assignor.)						
Neumann, Hans, Cologne, Germany. Putting into operation gas-producers working internal-combustion motors.....	766,058	July 26	4307	922	111	976
Neumann, Hugo A. J., assignor to Actien-Gesellschaft Görlitzer Maschinenbau-Anstalt und Eisengiesserei, Görlitz, Germany. Piston-rod.....	754,793	Mar. 15	3162	689	109	725
Neumann, Julius J., Chicago, Ill. Phonograph-reproducer.....	771,564	Oct. 4	687	153	112	1105
Neumayer, Maximilian, New York, N. Y. Equalizing-gear for reciprocating prime movers.....	778,700	Dec. 27	4414	966	113	2430
Neumerkel, Max, Hoboken, N. J. Match-box.....	738,771	May 3	387	77	110	95
Neumeyer, Horace F., Macungie, Pa. Lawn-sprinkler.....	768,618	Aug. 30	5104	1073	111	2248
Neusser, Hugo, San Rafael, Cal. Automatic wheel-brake.....	751,678	Feb. 9	1647	374	108	1427
Nevers, Lester, assignor of one-half to W. Nevers, Grand Rapids, Mich. Split pulley.....	761,899	June 7	580	116	110	1569
Nevis, Peter T. B., New Brunswick, N. J. Cover-holder for table-dishes.....	759,006	May 3	840	171	110	193
New Birdsell Company. (See Reigle, John H., assignor.)						
New Britain Hardware Manufacturing Company. (See Pfeiffer, Christian, assignor.)						
New Britain Machine Company. (See Brown, Robert S., assignor.)						
New Century Hook and Eyelet Company. (See Poak, James L., assignor.)						
New England Electric Manufacturing Company. (See Proctor and Daley, assignors.)						
New England Watch Co. (See Hart, George E., assignor.)						
New Era Gas Engine Company. (See Johnston, Lawrence M., assignor.)						
New Haven Clock Company. (See Porter, Wilson E., assignor.)						
New Haven Mfg. Co. (See Judd, Josiah, assignor.)						
New Home Sewing Machine Company. (See Bowers, Edward L., assignor.)						
New Jersey Patent Company. (See Aiken, Edward L., assignor.)						
New Jersey Patent Company. (See Edison, Thomas A., assignor.)						
New Jersey Patent Company. (See Miller and Aylsworth, assignors.)						
New Jersey Patent Company. (See Miller and Pierman, assignors.)						
New Jersey Patent Company. (See Weber, Peter, assignor.)						
New Jersey Patent Company. (See Weber and Hibbard, assignors.)						
New Jersey Patent Company. (See Wurth, Albert F., assignor.)						
New Jersey Wire Cloth Company. (See Himmelwright, Abraham L. A., assignor.)						
New Jersey Wire Cloth Company. (See Kunneke, George H., assignor.)						
New Jersey Zinc Company. (See Stone, George C., assignor.)						
New Standard Concentrator Company. (See Cook, Luther, assignor.)						
New System Ticket Company. (See Stanley, Richard B., assignor.)						
New York Adding Typewriter Company. (See Miller, Emil N., assignor.)						
New York Air Brake Company. (See Bickel, Henry F., assignor.)						
New York Air Brake Company. (See Bingley, John W., assignor.)						
New York Air Brake Company. (See Kelly, John F., assignor.)						
New York Labelling Machine Company. (See Haulick, Hermann, assignor.)						
New York Labelling Machine Company. (See Hendrickson and Allen, assignors.)						
New York Lock Company. (See Noack, Carl O., assignor.)						
New York Metal Specialty Manufacturing Co. (See Hoffmann, Alfred W., assignor.)						
New York Shipbuilding Company. (See Moore, Henry G., assignor.)						
Newark Cornice and Skylight Works. (See Schwing and Yunker, assignors.)						
Newberg, Harry J., Chicago, Ill. Pipe-hanger.....	766,890	Aug. 9	1582	332	111	1412
Newberry, Sam, Trent, Tex. Washer.....	760,914	May 24	4652	961	110	1089
Newbold, Harry, assignor to J. Aitchison, London, England. Motor-goggles.....	775,381	Nov. 22	3721	790	113	896
Newbold, Roger M., Birmingham, Ala. Pole-changer.....	759,121	May 3	1054	214	110	239
Newbold, Roger M., Birmingham, Ala. Electric dynamo.....	759,122	May 3	1055	214	110	240
Newbold, Roger M., Louisville, Ky. Suspension means for axle-driven dynamos.....	766,891	Aug. 9	1584	333	111	1412
Newbold, Sidney. (See Taylor and Newbold.)						
Newby, Albert S., St. Louis, Mo. Hydrocarbon-vaporizing apparatus.....	766,513	Aug. 2	756	158 159	111	1205
Newcastle Paper Box and Manufacturing Company. (See Plummer and Hess, assignors.)						
Newcomb, Abner S. (See Harbour, George W., assignor.)						
Newcomb, Edwin V., Kansas City, Mo. Trolley-head.....	777,691	Dec. 20	2409	529	113	1987
Newell, Allen, Guadalajara, Mexico. Metal cross-tie for railways.....	769,562	Sept. 6	825	176	112	186
Newell, Arthur T. (See Johnson, Savage, and Newell.)						
Newell, Augustus, Pasadena, and D. Schuyler, assignors to Perfect Sliding Door Company, Los Angeles, Cal. Automatic screen for the slots for edgewise-moving doors.....	764,000	July 5	162	28	111	40
Newell, Charles H., Saginaw, Mich. Awning-roller.....	748,641	Jan. 5	170	41	108	38
Newell, Edgar A., et al. (See Delaney, Michael G., assignor.)						
Newell, Edgar G., Glendale, N. J. Machine for making packing bands or rings.....	752,353	Feb. 16	2957	658	108	1735
Newell, Frank C., Wilkesburg, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Electric brake.....	763,108	June 21	2953	637	110	2119
Newell, James L., Saginaw, Mich. Stop-watch.....	759,303	May 10	1485	297	110	360
Newhall, George M. (See D'Olier, William L., assignor.)						
Newhall, Henry B., Plainfield, N. J. Bolt-anchor.....	770,022	Sept. 13	1685	357	112	398
Newhouse, Henry, Grand Rapids, Mich. Carving-machine.....	762,930	June 21	2636	570	110	2047
Newington, Herbert F. H., Ticehurst, England. Playing-card shuffler.....	750,216	Jan. 19	3326	718	108	770
Newlin, Joseph S., Varnville, S. C., assignor of one-half to A. May, Atlanta, Ga. Lamp-chimney.....	760,915	May 24	4653	991	110	1090
Newlove, Benjamin C., Walsenburg, Colo. Pipe-stand.....	764,491	July 5	1181	241	111	260
Newman, Abraham A., Chicago, Ill. Marking watchmen's-clock dials.....	753,515	Mar. 1	756	168	109	164
Newman, Albert T., Greeley, Kans. Camera.....	766,967	Aug. 9	1732	363	111	1446
Newman, Albert T., assignor of one-half to J. Threlkeld, Greeley, Kans. Water and gas separator.....	776,753	Dec. 6	581	127	113	1554
Newman, Ebenezer, London, England. Measuring-stick.....	772,280	Oct. 11	2175	475	112	1444
Newman, Edwin A., Washington, D. C. Floating pulsometer-dredge.....	752,247	Feb. 16	2739	607 608	108	1688
Newman, Naftaly. (See Fletcher, John W., assignor.)						
Newman, Vincent M., Bayside, N. Y. Third-joint guard for electric railways.....	760,643	May 24	4089	869	110	970
Newman, William J., Chicago, Ill. Apparatus for removing dirt from excavations.....	764,201	July 5	600	119	111	133
Newman, William J., Chicago, Ill. Apparatus for removing dirt from excavations.....	764,202	July 5	603	120	111	134
News, James, assignor of one-half to T. Norbury, Chester, England. Wrench.....	770,382	Sept. 20	2376	502	112	572
Newton, Philip E., Brooklyn, N. Y. Time gas-light extinguisher.....	760,644	May 24	4090	870	110	971
Newton, Albert E., Leominster, Mass. Adjustable pompadour-dip-puff comb.....	774,990	Nov. 15	2862	611	113	677

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Newton, Charles C., assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Insertible saw-tooth for metal-saws.	757,953	Apr. 19	3472	253	109	2120
Newton, Charles C., assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Drilling and tapping machine.	766,723	Aug. 2	1802	254	111	1308
Newton, Charles D., et al. (See Mohlenhoff, Hermann J., assignor.)						
Newton, Charles E., Hartford, Conn. Belting	750,299	Jan. 26	3491	755	108	826
Newton, Charles L., Pueblo, Colo. Protractor.	773,282	Oct. 25	4288	906	112	1852
Newton, Edward S., Fond du Lac, Wis. Means for adjusting engine-valves.	757,217	Apr. 12	2000	495	109	1736
Newton, George A. (See Fahreney, Newton, and Simmons.)						
Newton, George W., Cambria, Cal. Mowing-machine	752,095	Feb. 16	2458	549	108	1623
Newton, Herbert B., Haverhill, Mass. Hand tacking-tool				1550		
Newton, James E., Fall River, Mass. Sparking-plug-testing apparatus	778,600	Dec. 27	4244	924	113	2390
Newton, Joel W., Elberton, Ga. Churn	761,535	May 31	5838	1256	110	1371
Newton, Lewis W. (See Pierce and Newton.)	760,699	May 24	4214	895	110	996
Newton Machine Tool Works. (See Newton, Charles C., assignor.)						
Newton, Thomas S., Pittsburg, Pa. Tie	778,064	Dec. 20	3185	700	113	2144
Newton, William G., assignor to Peck Bros. & Co., New Haven, Conn. Universal compression stop and waste cock	751,869	Feb. 9	2022	458	108	1508
Newton, William J., R. Diggle, Acrrington, and G. Watson, assignors to Horsefall Destructor Company, Limited, Leeds, England. Dust-arrester	763,199	June 21	3144	676	110	2163
Newton, William N., Barnesville, Ga. Drill	755,528	Mar. 22	4492	98	109	1028
Ney, George P., and J. Rau, Baltimore, Md. Time gas-lighting mechanism	761,699	June 7	154	30	110	1472
Niagara Falls Metal Stamping Works. (See Eldridge, Herbert M., assignor.)						
Niagara Machine & Tool Works. (See Zeh, Edmund, assignor.)						
Niblack, Boothe, Virgil, Ga. Dust-guard for car-windows.	752,796	Feb. 23	3818	856	108	1941
Niblett, Job T., Greenwich, England. Storage battery	759,007	May 3	841	171	110	194
Niblick, William H. (See Christen, Eugene, assignor.)						
Nicault, Jules. (See Benoit, Guéniffet, and Nicault.)						
Nice, Frank R., Lansing, Mich. Rubber-dam holder and cutter	760,800	May 24	4433	943	110	1042
Nichol, John C., Montreal, Canada. Boat	757,832	Apr. 19	3243	704	109	2069
Nichols, Francis V., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Motor-controller	751,547	Feb. 9	1408	321	108	1376
Nichols, Mark M., New York, N. Y. Tubing	752,700	Feb. 23	3648	811	108	1902
Nichols, Mark M., New York, N. Y. Machine for applying liquid or viscous substances.	767,422	Aug. 16	2605	549	111	1653
Nichols, Moses, assignor to M. A. Thompson, Ottumwa, Iowa. Miter-box.	778,701	Dec. 27	4416	967	113	2430
Nichols-Pratt, George. (See Templeman and Gough, assignors.)						
Nichols, Richard, Hove, England. Cooking and heating apparatus	762,340	June 14	1407	304	110	1764
Nichols, Robert. (See Nelson and Nichols.)						
Nichols, Walter H., Lynn, Mass. Pocket implement	767,423	Aug. 16	2607	549	111	1653
Nichols, William T., Wellsburg, W. Va. Glass-melting furnace	764,300	July 5	783	160	111	173
Nichols, William T., Wellsburg, W. Va. Pot-furnace for melting glass.	774,600	Nov. 8	2035	444	113	468
Nichols, William T., Wellsburg, W. Va. Glass-melting furnace	776,196	Nov. 29	5373	37	113	1281
Nichols, Aaron S., Boston, Mass. Veneer-drier	750,058	Jan. 19	3051	654	108	713
Nichols, Aaron S., Boston, Mass. Glue-press	762,549	June 14	1857	398	110	1860
Nichols, Aaron S., Boston, Mass. Veneer-drier	767,654	Aug. 16	3076	643	111	1759
Nichols, Andrew P., Tacoma, Wash. Tug, page	758,461	Apr. 26	4493	966	109	2363
Nichols, Andrew P., Seattle, Wash. Track-claw	758,462	Apr. 26	4493	966	109	2364
Nichols, Benjamin F. (See Shipp, Charles, assignor.)						
Nichols, Charles B., Springfield, Ill. Dial-sinking	762,082	June 7	900	186	110	1632
Nichols, Charles H., St. Louis, Mo. Flash-light apparatus	756,399	Apr. 5	419	87	109	1433
Nichols, Charles W. (See Marsh and Nichols.)						
Nichols, Charles W. (See Traver and Nichols.)						
Nichols, Chester R., Cleo, Okla. Ter. Animal-poke.	764,001	July 5	164	28	111	41
Nichols, Eben L., Cincinnati, Ohio. Street-indicating mechanism for vehicles	756,136	Mar. 29	5694	1256	109	1310
Nichols, Elmer P., Manchester, N. H., assignor to Lacene Manufacturing Company, Evening and grading machine. (Reissue.)	12,288	Nov. 22	4799	1017	113	1131
Nichols, Frank J., Cleveland, Ohio. Slide-bracket.	749,088	Jan. 5	1087	229	108	250
Nichols, Frank L. (See Sherif and Nichols.)						
Nichols, Harley B., Kankakee, Ill. Garment-hook	771,659	Oct. 4	867	194	112	1145
Nichols, Henry B., Philadelphia, Pa. Railway-switch mechanism	750,996	Feb. 2	401	94, 95	108	1146
Nichols, Henry B., Philadelphia, Pa. Rail-sawing machine	751,679	Feb. 9	1647	374	108	1427
Nichols, Henry G., Irvington, N. Y. Traverse quadrant	754,086	Mar. 8	1725	385	109	896
Nichols, Herbert B., and T. R. Whittaker, Methuen, Mass. Feed-water regulator for boilers	762,188	June 7	1068	230	110	1675
Nichols, Horace W., Philadelphia, Pa. Automatic trolley-controlling device.	760,801	May 24	4435	943	110	1042
Nichols, Horace W., and S. E. Briggs, Philadelphia, Pa. Automatic trolley-controlling device.	769,093	Aug. 30	5399	1237	111	2426
Nichols, Jesse W., assignor to Armour & Company, Chicago, Ill. Pail	755,234	Mar. 22	3955	876	109	914
Nichols, John H., Anamosa, Iowa. Flue-stop	772,251	Oct. 11	2109	461	112	1428
Nichols, Josiah T., Portsmouth, Va. Butcher's chopping-block	757,488	Apr. 19	2556	561	109	1917
Nichols, Lewis A., et al. (See Smith, Frank L., assignor.)						
Nichols, Lewis F., Pittsburg, Pa. Miter-box	752,406	Feb. 16	3064	680	108	1257
Nichols, Roland A., Worcester, Mass. Pencil-holder	758,739	May 10	3325	485	110	542
Nichols and Shepard Company. (See Bradley, William E., assignor.)						
Nichols and Shepard Company. (See Butterfield, Oscar A., assignor.)						
Nichols and Shepard Company. (See Rolfe, Thomas H., assignor.)						
Nichols, Thomas, Templeton, assignor of one-half to I. G. Waite, Baldwinville, Mass. Holdback for breeching-straps.	748,976	Jan. 5	836	177	108	194
Nichols, W. B., et al., trustees. (See Thurston, Charles H., assignor.)						
Nichols, William A., Sr., and J. F. Neff, Belmont, Ohio. Railway-tie	755,692	Mar. 29	4825	1071	109	1120
Nichols, William A., and J. F. Neff, Belmont, Ohio. Railway-tie	758,463	Apr. 26	4497	966	109	2364
Nichols, William H., Mishawaka, Ind. Coupling for windmills.	760,473	May 24	3750	794	110	804
Nicholson, Alonzo L., Rockwell City, Iowa. Wrench and clamp combined	755,578	Mar. 22	4533	1019	109	1048
Nicholson, Charles H., New York, N. Y. Jar-closure	748,642	Jan. 5	172	41	108	38
Nicholson, Herbert, Chicago, Ill. Lubricating-axle	776,537	Dec. 6	140	32	113	1456
Nicholson, James H., assignor to Freeman, Dobbin Fireproofing Company, New York, N. Y. Wall-furring	757,489	Apr. 19	2557	561	109	1917
Nicholson, John H. (See Stiefel and Nicholson.)						
Nicholson, John H., Pittsburg, Pa., assignor, by mesne assignments, to National Tube Company. Conical rolls for piercing, expanding, or cross-rolling metal billets or tubular blanks	765,986	July 26	4172	890	111	948

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Nicholson, John H., Pittsburg, Pa., assignor, by mesne assignments, to National Tube Company, Toledo, Ohio. Mail.	769,709	Sept. 13	1093	234	112	266
Nicholson, John L., and E. A. Hemphill, Jersey City, N. J. Holder for ink or pencil erasers	772,111	Oct. 11	1808	401	112	1362
Nicholson, Thomas, Chicago, Ill. Conveyer or chute for infilling material	733,616	Mar. 1	737	169	109	164
Nicholson, William J., Paola, Kans. Corn-shock-binding device	763,781	June 28	4274	931	110	2428
Nicht, Joseph, assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Counting mechanism for grain-harvesters	778,426	Dec. 27	3907	851	113	2319
Nickel, Adam, New York, N. Y. Damper-sustaining device for piano-actions	763,200	Jan. 21	3145	676	110	2163
Nickel, Frank C., Detroit, Mich. Pulverizing-machine	760,474	May 24	3751	794	110	895
Nickel Manufacturing Company. (See Peterson, Peter B., assignor.)						
Nickels, Matthew, assignor of one-half to F. P. Wagner, Philadelphia, Pa. Burglar and fire alarm	757,490	Apr. 19	2558	562	109	1917
Nickerson, Ernest, Newton, Mass. Crane	752,248	Feb. 16	2745	610	108	1689
Nickerson, Ernest, Newton, Mass. Form for making holes or conduits in concrete or other structures	752,249	Feb. 16	2751	610	108	1691
Nickerson, George W., Wellfleet, Mass. Self-lubricating carriage-bearing	767,164	Aug. 9	2133	111	113	1532
Nickerson, Thomas S., Newburyport, Mass. Continuous muffle-kiln	760,551	May 24	3901	828	110	929
Nickerson, William E., Cambridge, Mass., assignor to Automatic Weighing Machine Company, New York, N. Y. Machine for settling material in bags or the like	767,590	Aug. 16	2949	618	111	1732
Nickerson, William E., Cambridge, Mass., assignor to Automatic Weighing Machine Company, New York, N. Y. Material-feeding apparatus	767,591	Aug. 16	2953	618	111	1733
Nickum, George S., assignor of one-half to H. E. Deardorff, Salt Lake City, Utah. Register for telephones	774,991	Nov. 15	2863	611	113	677
Nickum, Isaac J., et al. (See Breckenridge, Edward E., assignor.)						
Niclausse, Albert. (See Niclausse, Jules and A.)						
Niclausse, Jules and A., Paris, France. Tube for boilers	760,475	May 24	3753	794	110	895
Nicodemus, Henry B. (See Benner and Nicodemus.)						
Nicodemus, Henry B., assignor to G. K. Benner, Allegheny, Pa. Gas-engine attachment for steam-engines	754,385	Mar. 8	2328	509	109	525
Nicola, William G., Washington, Iowa. Rotary engine	764,756	July 12	1765	361	111	402
Nicolai, Nicola, Chicago, Ill. Cover for truck or wagon frames	759,628	May 10	2121	436	110	497
Nicolai, Samuel F., assignor of one-half to D. Hyndman, Norvell, Mich. Skirt-supporter	762,746	June 14	2243	487	110	1941
Nicoll, William E. H. (See Tonkin, Ames, and Nicoll.)						
Nicollet, Auguste, Hilledale Manor, N. J. Embossing-machine	777,129	Dec. 13	1333	295	113	1739
Nicolson, Samuel, assignor of one-half to W. H. Paterson, Gore, New Zealand. Means for removing the rubber tires of bicycles or other vehicles	759,123	May 3	1058	215	110	241
Nicoson, George T., Hoopeston, Ill. Pneumatic-stacker attachment	772,817	Oct. 18	3219	701	112	1691
Nida, Harrison G., Delta, Colo. Moth and insect trap	772,429	Oct. 18	2466	702	112	1530
Niderost, Dominick, Buffalo, N. Y. Cuff-button	767,626	Aug. 16	3405	718	111	1830
Niederer, John G., East Rutherford, N. J. Type-writing machine	761,247	May 31	5326	1131	110	1253
Niederer, John G., East Rutherford, N. J. Type-writing machine	761,248	May 31	5330	1132	110	1253
Niederlander, Nicholas F., St. Louis, Mo., assignor to Westinghouse Automatic Air & Steam Coupler Company, East St. Louis, Ill. Operating device for train-pipe cocks	755,918	Mar. 29	5294	1169	109	1224
Niehoff, Hermann A., Carlyle, Ill. Register	754,684	Mar. 15	2948	643	109	676
Niell, Magnus, assignor of one-half to T. Wallace, New York, N. Y. Photographic camera	769,319	Sept. 6	367	83	112	80
Nielsen, Carl, Copenhagen, Denmark. Engaging or disengaging device for automatic air-pumps	767,912	Aug. 16	3558	753	111	1864
Nielsen, Charles H., Kreischerville, N. Y. Table	769,354	Sept. 6	437	98	112	96
Nielsen, Herman, assignor to Reciprocating Rotary Engine Company, New York, N. Y. Rotary engine	755,161	Mar. 22	3821	845	109	888
Nielsen, Jens, Cedarfalls, Iowa. Rotary pump	751,196	Feb. 2	708	175	108	1221
Nielsen, Jens, Cedarfalls, Iowa. Rotary motor	758,214	Apr. 26	3991	866	109	2352
Nielsen, John, Chicago, Ill. Reversing-valve for steam-engines	758,772	May 3	389	77, 78	110	96
Nielsen, Peter O., Greenport, N. Y. Horn for phonographs or similar machines	771,441	Oct. 4	444	101	112	1051
Nielsen, Thomas, and G. C. H. Praest, Nordby, Denmark. Combined flue and water tube steam-generator	761,700	June 7	157	80	110	1473
Nielson, Andrew, Wilson, Pa. Locking whip-socket	777,484	Dec. 13	1997	442	113	1885
Nielson, Henry, et al. (See Ziebell, Robert, assignor.)						
Nielson, Henry, assignor to Osborn Manufacturing Company, Cleveland, Ohio. Tool for brush-makers	759,465	May 10	1800	363	110	428
Nielson, Walter, New York, N. Y. Construction of false beams, interior cornices, or the like	776,344	Nov. 29	5051	1197	113	1342
Niemeyer, Hermann H. (See Leistner, Paul G., assignor.)						
Niemeyer, William, St. Joseph, Mo. Current-motor	778,702	Dec. 27	4418	967	113	2430
Niemeyer, William H., and E. J. Godman, Baltimore, Md., assignors of one-third to W. D. Coit, Washington, D. C. Machine for making excelsior	764,492	July 5	1182	241	111	261
Niendorff, Louis W., New York, N. Y. Window-chair	759,629	May 10	2123	436	110	498
Nies, Frederick H., New York, N. Y. Rubber-dam clamp	748,977	Jan. 5	836	177	108	104
Nieschang, Charles C. F., Fort Wayne, Ind. Electrothermic and vacuum appliance	774,529	Nov. 8	1905	413	113	441
Nifong, Jefferson D. (See Frink, Melvin L., assignor.)						
Nightbert, Thomas, Elrod, Ind. Wire-reeling machine	754,386	Mar. 8	2186	486	109	495
Nightingale, William H., assignor to J. E. Reyburn, Philadelphia, Pa. Knockdown inclosure for motor-compressors	769,563	Sept. 6	827	176	112	187
Nikiforoff, Alexander, Moscow, Russia. Manufacture of the benzols and their homologues	755,309	Mar. 22	4096	905	109	943
Niles-Bement-Pond Company. (See Bryan, John H. B., assignor.)						
Niles-Bement-Pond Company. (See Greenleaf and Kennedy, assignors.)						
Niles-Bement-Pond Company. (See Hagman, William J., assignor.)						
Niles-Bement-Pond Company. (See Hatschek, Emil, assignor.)						
Niles-Bement-Pond Company. (See O'Brien, Archibald M., assignor.)						
Niles-Bement-Pond Company. (See Search and Cheshire, assignors.)						
Niles-Bement-Pond Company. (See Spangenberg, Alfred, assignor.)						
Niles-Bement-Pond Company. (See Teas, Daniel H., assignor.)						
Niles, Glenn H., New York, N. Y. Mechanical movement	755,919	Mar. 29	5295	1169	109	1225
Niles, Walter L. C., Saugus, Mass. Shoe-form-treeing machine	770,473	Sept. 20	2539	542	112	606

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Nilson, Anders, Chicago, Ill. Recording scale-beam.	778,263	Dec. 27	3571	782	113	2247
Nilson, Eric, <i>et al.</i> (See Alexander, Jesse, assignor.)						
Nilson, Ernst A., Christiania, Norway. Screw-propeller	750,096	Jan. 19	3004	644	108	708
Nilson, Knut, Duluth, Minn. Neck-yoke	750,997	Feb. 2	404	95	108	1147
Nilson, Lars G., assignor of two-thirds to S. M. and H. S. Fischer, New York, N. Y. Vehicle-body	760,236	May 17	3310	695	110	779
Nilson, Lars G., assignor of two-thirds to S. M. and H. S. Fischer, New York, N. Y. Vehicle-tire	760,237	May 17	3311	695	110	779
Nilson, Lars G., assignor of two-thirds to S. M. and H. S. Fischer, New York, N. Y. Vehicle-brake	770,101	Sept. 13	1815	383	112	426
Nilson, Nils, Minneapolis, Minn. Steam-heating system for railway-cars	749,970	Jan. 19	2872	1614 1615	108	675
Nilson, Nils, and A. Hagemeister, Absaraka, assignors of one-third to H. H. Walters, Casselton, N. D. Oil-can	775,281	Nov. 15	3501	738	113	830
Nilsson, Axel W., New York, N. Y. Interlocking tile for floor or wall coverings	750,770	Jan. 26	4441	958	108	1033
Nind, Frederick G., and C. F. Strasburger, assignors to G. Fuller, Chicago, Ill. Paper-folding machine	752,853	Feb. 23	3928	881 882	108	1964
Nioré, Léon, Château-Renault, France. Protector for pneumatic tires	755,310	Mar. 22	4102	906	109	943
Nirdlinger, Clarence D., St. Louis, Mo. Vehicle-tire filler	757,631	Apr. 19	4618	1029	108	2121
Nirdlinger, Max, Philadelphia, Pa. Manufacturing cushion-tires	753,234	Feb. 23	4618	1029	108	2121
Nirdlinger, Max, Philadelphia, Pa. Vehicle-tire	753,205	Feb. 23	4620	1029	108	2122
Nirdlinger, Max, Philadelphia, Pa. Manufacturing vehicle-tires	753,206	Feb. 23	4622	1030	108	2122
Nirdlinger, Max, Philadelphia, Pa. Apparatus for the manufacture of vehicle-tires	753,300	Mar. 1	158	36	109	37
Nissen, Peter N., Prescott, Ariz. Ter. Ore stamp-mill	776,414	Nov. 29	5784	1244	113	1375
Nissenson, George, New York, N. Y. Paper-folding machine	752,996	Feb. 23	4243	925	108	2036
Nistle, George W., assignor of two-thirds to E. W. Brooks and R. L. Gifford, Chicago, Ill. Paper-drying machine	776,197	Nov. 29	5374	1138	113	1281
Nitschke, Bruno, <i>et al.</i> (See Birkenstamm, Christoph F., assignor.)						
Nivoix, Victor. (See Petrillo, Joseph, assignor.)						
Nix, Everett D. (See Nix, William M., assignor.)						
Nix, William M., assignor to E. D. Nix, Joplin, Mo. Thill-support	772,290	Oct. 11	2176	475	112	1445
Nixon, Carl S. (See Alberty and Nixon.)						
Nixon, Lewis. (See Rlotte, Carl C., assignor.)						
Nixon, Moses C., Fort Wayne, Ind. Friction-clutch	758,272	Apr. 26	4113	890	109	2378
Nixon, Moses C., Fort Wayne, Ind. Grinding-machine for grinding harvester-knives or other tools	758,558	Apr. 26	4682	1010	109	2405
No-So Buckle Company. (See Mitchell, James E., assignor.)						
Noack, Carl O., Stamford, assignor to New York Lock Company, Branford, Conn. Attachment for cylinder-locks	777,130	Dec. 13	1384	295	113	1739
Noack, Georg, Leipzig-Eutritzsch, Germany. Machine for printing pattern-cards for weaving	759,097	May 17	2656	557	110	632
Noakes, Edward W. and W. H. Lagrange, III. Dry ore-separator	758,097	Apr. 26	3775	820	109	2204
Noakes, William H. (See Noakes, Edward W. and W. H.)						
Noble, Amanda, administratrix. (See Noble, Truman.)						
Noble, Donald, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Buttonhole-sewing machine	753,093	Feb. 23	4422	1983 1984	108	2077
Noble, Donald, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Feeding mechanism for sewing-machines	754,934	Mar. 15	3416	747 748	109	780
Noble, Donald, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Feeding mechanism for sewing-machines	763,624	June 28	3959	862 863	110	2359
Noble, Donald, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Buttonhole-sewing machine	771,923	Oct. 11	1412	321 322	112	1275
Noble, Frank W. (See Minturn, Joseph A., assignor.)						
Nolde, Jacob, <i>et al.</i> (See Leightham, Joseph, assignor.)						
Noble, Jay, and E. L. Anderson, St. Louis, Mo. Battery	750,740	May 10	2326	485	110	542
Noble, Josiah A., Fostoria, Ohio. Building-block	767,494	Aug. 16	2771	579	111	1692
Noble, Richard D., Sausalito, assignor of one-half to T. L. Hill, San Francisco, Cal. Music-stand	757,408	Apr. 12	2393	520	109	1867
Noble, Samuel T., New Concord, Ohio. Car-brake	765,096	July 12	2427	505	111	543
Noble, Saxton W. A., Westminster, assignor to W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Ammunition-hoist	756,272	Apr. 5	137	32	109	1376
Noble, Truman, deceased, Ithaca, N. Y.; A. Noble, administratrix. Card memorandum-book	766,734	Aug. 2	1203	254	111	1308
Noble, William J., Chicago, Ill. Tripod for hammock-supports	769,913	Sept. 13	1472	315	112	349
Noblett, Edward J., Chicago, Ill. Means for securing movable partitions in filing-cabinets or the like	759,392	May 10	1672	398	110	399
Noblett, Edward J., Chicago, Ill. Exterior filing-case or the like	771,319	Oct. 4	193	42	112	1002
Noel, Adolphus P. (See Mayer, George M., assignor.)						
Noel, Sylvester D., Indianapolis, Ind. Metal boat	753,425	Mar. 1	391	91	109	85
Noey, John, Braddock, and T. A. McGuigan, Brinton, Pa. Apparatus for feeding neutralizing agents to steam-boilers	757,426	Apr. 12	2429	529	109	1875
Noiseless Compressor and Air Brake Company. (See Hall, Milan W., assignor.)						
Nolan, Cornelius J., assignor to Libbey Glass Company, Toledo, Ohio. Apparatus for fire-polishing glass	766,193	Aug. 2	79	14	111	1059
Nolan, Cornelius J., assignor to Libbey Glass Company, Toledo, Ohio. Fire-polishing glass	766,514	Aug. 2	758	159	111	1206
Nolan, Cornelius J., assignor to Libbey Glass Company, Toledo, Ohio. Apparatus for fire-polishing glass	772,901	Oct. 18	3897	736 737	112	1731
Nolan, Cornelius J., assignor to Libbey Glass Company, Toledo, Ohio. Fire-polishing glass	772,902	Oct. 18	3998	737 738	112	1731
Nolan, Francis A., St. Paul, Minn. Trolley-replacer	753,617	Mar. 1	760	169	109	165
Nolan, John J., Waverly, Minn. Beveling-tool	771,264	Oct. 4	89	19	112	981
Nolan, John R., <i>et al.</i> (See Anthony, Mark O., assignor.)						
Nolan, Martin S., Waltham, assignor of one-third to H. B. Frost, Weston, Mass. Running-board for railway-cars	760,916	May 24	4654	991	110	1090
Nolan, Peter J., Chester, Pa. Cover for gas-purifiers	760,238	May 17	3313	696	110	780
Nolan, Rudolph Z., Alton, Ill. Window-shade roller	752,096	Feb. 16	2459	550	108	1623
Nolan, William F., Bessemer, Ala. Door-stop	757,051	Apr. 12	1681	364	109	1716
Noland, Charles T. (See Plannigain, Edward, assignor.)						
Nolde, Jacob. (See Leightham, Joseph, assignor.)						
Nolde, Jacob, <i>et al.</i> (See Leightham, Joseph, assignor.)						
Nöldner, Bruno, Breslau, Germany. Apparatus for treating flax	776,674	Dec. 6	417	93	113	1521
Nolen, Robert, assignor of two-thirds to J. Johnston and T. J. Nolen, St. Louis, Mo. Wrench	765,589	July 19	3373	710	111	765

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Nolen, Thomas J., <i>et al.</i> (See Nolen, Robert, assignor.)						
Noles, Wilson, Montrose, Iowa. Filter	749,576	Jan. 12	2102	438	108	492
Noll, Henry J., Milwaukee, Wis. Insect-catching and plant-spraying machine	765,748	July 26	3776	738	111	849
Noll, Henry J., Milwaukee, Wis. Fire-escape	767,165	Aug. 9	2134	444	111	1532
Noll, Henry J., Milwaukee, Wis. Fire-escape	767,166	Aug. 9	2135	444	111	1532
Noll, Henry J., Milwaukee, Wis. Adjustable fin for vessels	767,837	Aug. 16	3406	718	111	1830
Noll, Henry J., Milwaukee, Wis. Scrubbing-machine	778,427	Dec. 27	3999	851	113	2319
Noll, Otto W., San Francisco, Cal. Glove	774,489	Nov. 8	1825	305	113	424
Nollenberger, Carl, Leadville, Colo. Necktie	751,331	Feb. 2	1042	236	108	1279
Nollenberger, Carl, Leadville, Colo. Necktie	751,332	Feb. 2	1043	236	108	1279
Noller, Charles, Detroit, Mich. Ventilating attachment for tanks	749,802	Jan. 19	2559	543	108	607
Notte, Adolph, Rochester, N. Y. Hydraulic press for forcing axles into car-wheels	776,415	Nov. 29	5786	1225	113	1375
Nolling, Philipp, Bielefeld, Germany. Ambulant watering apparatus	757,395	Apr. 12	3255	491	109	1839
Non Refillable Bottle Company. (See Franz, Ferdinand, assignor.)						
Nonnast, Hermann, and W. Tesar, Chicago, Ill. Extension-table	749,320	Jan. 12	1576	333 334	108	379
Nonpareil Cork Manufacturing Company. (See Judson, Horace H., assignor.)						
Noonan, Stephen. (See Eldred, John A., assignor.)						
Noord, Erik P., Chicago, Ill. Churn	764,147	July 5	467	91	111	101
Noppenberger, Joseph J. (See Mickey, John F., assignor.)						
Noppenberger, Joseph J. (See Mickey, Bailey, and Noppenberger.)						
Norbury, Thomas. (See Newsas, James, assignor.)						
Norcott, William T., Kedron, Ark. Nail-puller	751,680	Feb. 9	1650	375	108	1427
Norcross, Charles P. (See Hull, Foster J., assignor.)						
Norcross, Frank E., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-retaining means for rotatable spindles	775,850	Nov. 22	4688	993	113	1107
Norcross, William C., Terre Haute, Ind., assignor to American Car & Foundry Company, St. Louis, Mo. Cope for molding	752,797	Feb. 23	3819	857	108	1942
Norcross, William C., Terre Haute, Ind., assignor to American Car & Foundry Company, St. Louis, Mo. Core	761,176	May 31	5192	1103	110	1223
Norcross, William C., Terre Haute, Ind., assignor to American Car & Foundry Company, St. Louis, Mo. Metal-mold	769,297	Sept. 6	263	612	112	57
Nord, Olof N., assignor to J. H. Leslie, Chicago, Ill. Producing wrapped packages from loose unpacked materials and unfolded wrappers	768,931	June 21	2629	570	110	2048
Nordell, Carl, Stamford, Conn. Railway-truck	749,947	Jan. 19	2836	605 606	108	668
Norden-Bittner Electric Company. (See Norden, Mortimer, assignor.)						
Norden, Folke F., Brooklyn, assignor of two-thirds to A. J. Murphy, New York, N. Y. Rotary engine	775,632	Nov. 22	4272	902 903	113	1019
Norden, Folke F., Brooklyn, assignor of two-thirds to A. J. Murphy, New York, N. Y. Propelling mechanism	776,416	Nov. 29	5787	1325 1326	113	1376
Norden, Mortimer, assignor, by mesne assignments, to M. Bittner, New York, N. Y. Electric-connection rosette	766,767	Aug. 2	1282	272	111	1326
Norden, Mortimer, assignor to Norden-Bittner Electric Company, New York, N. Y. Electric-connection rosette	767,828	Aug. 16	3407	719	111	1830
Norden, Mortimer, and L. S. Crandall, Brooklyn, N. Y. Card or ticket for actuating the mechanism controlling electric light signs	767,424	Aug. 16	2609	550	111	1653
Nordenfelt, Per de, and E. Ternström, Paris, France. Eccentric-screw breech-closing device	748,978	Jan. 5	837	177	108	194
Nordenfelt, Thorsten W., Stockholm, Sweden. Rotary engine	761,095	May 31	5045	1070 1071	110	1192
Nordenskjöld, Anton F., assignor to Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa. Mechanism for flanging the ends of tubes	758,145	Apr. 26	3864	1388 1389	109	2225
Nordhoff, Elsie S., Alpine, N. J. Ribbon-winding device	749,971	Jan. 19	2873	615	108	675
Nordling, Walter A., Streator, Ill. Combined shade-roller and curtain-pole holder	758,098	Apr. 26	3778	821	109	2205
Nordlinger, Charlton Fire Works Company. (See Lisenard and Truyster, assignors.)						
Nordt, John C., West Hoboken, N. J. Safety-catch for breastpins	754,794	Mar. 15	3163	689	109	725
Norlin, Charles A., Orvisburg, Miss. Saw-table gage	753,701	Feb. 23	3643	811	108	1902
Norlin, Charles A., Orvisburg, Miss. Gang-saw guide	775,477	Nov. 22	3930	830	113	944
Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Portable pneumatic motor	762,932	June 21	2631	570 571	110	2049
Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Throttle-valve for portable pneumatic motors	762,933	June 21	2636	571	110	2050
Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Engine-valve	762,934	June 21	2638	572	110	2050
Norman, George. (See Driver and Norman.)						
Norman, Newton J., Jacksonville, Fla. Flux compound	761,900	June 7	581	110	1569	
Norman, William, Smithton, Ark. Pie-pan	752,250	Feb. 16	2754	610	106	1691
Normandin, Levi P., assignor of three-fourths to W. F. Cowham, Jackson, Mich. Machine for molding blocks	763,942	June 28	4592	1003	110	2495
Normandin, Levi P., assignor of three-fourths to W. F. Cowham, Jackson, Mich. Machine for molding building-blocks	765,251	July 19	2699	562	111	620
Normandin, Levi P., assignor of three-fourths to W. F. Cowham, Jackson, Mich. Lifter	765,674	July 26	3561	754	111	820
Normandin, Levi P., assignor of three-fourths to W. F. Cowham, Jackson, Mich. Machine for molding building-blocks	768,679	Aug. 30	5238	1101	111	2275
Normann, John G., New York, N. Y. Double-pointed pen	762,887	June 14	2433	528	110	1984
Norquist, Emanuel E., Kansas City, Mo. Metal tank	769,271	Sept. 6	265	62	112	57
Norquist, John H., Moline, Ill., assignor to Williams, White & Company. Power-hammer	753,618	Mar. 1	762	169	109	165
Norrie, Robert, Rangoon, British Burma, India. Punching and shearing machine, &c.	748,979	Jan. 5	839	178	108	195
Norrie, Robert, Rangoon, British Burma, India. Machine for punching or shearing metal	776,345	Nov. 29	5653	1198	113	1343
Norrington, Henry H. (See Petroskey, John H., assignor.)						
Norrington, Henry H., West Bay City, Mich. Manifolding-book	768,948	Aug. 30	5777	1214	111	2398
Norris, Albert F., Boston, Mass. Pedal for musical instruments	762,489	June 14	1717	369	110	1830
Norris, Almon E., Cambridge, Mass. Hoisting apparatus	773,219	Oct. 25	4206	890	112	1934
Norris, Almon E., Cambridge, Mass. Automatic brake mechanism	774,448	Nov. 8	1738	374 375 376	113	406
Norris, Almon E., Cambridge, Mass. Power-operated brake drum or winch apparatus	774,449	Nov. 8	1742	376	113	406
Norris, Almon E., assignor to Rawson & Morrison Manufacturing Company, Cambridge, Mass. Drum for hoisting, derrick, or similar engines	768,417	June 28	3609	777	110	2284
Norris, Charles P., Chambersburg, Pa., assignor of one-third to G. L. Snider, Washington, D. C. Hernia-truss	754,386	Mar. 8	2330	509	109	523

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Norris, Daniel E., Tiona, Pa. Pumping power.....	778,498	Dec. 27	3910	852	113	2319
Norris, Edson R., Wilkensburg, Pa. assignor to Westinghouse Electric & Manufacturing Company. Rocker-ring for electrical machines.....	761,985	June 7	730	149	110	1599
Norris, George B. (See Sessions and Norris.)						
Norris, H. C. <i>et al.</i> (See Hubbell, Thomas J., assignor.)						
Norris, Henry M., New York, N. Y. Covered vehicle.....	770,775	Sept. 27	3119	661	112	753
Norris, John B. (See Ellicott and Norris.)						
Norris, John C., Kansas City, Mo. Self-closing faucet.....	764,620	July 12	1489	305	111	342
Norris, Joseph E. (See George and Norris.)						
Norris, William, assignor to T. Coudhard & Company, Limited, Preston, England. Vertical tubular boiler.....	767,655	Aug. 16	3077	643	111	1750
Norris, William J., Riverton, N. J., and L. W. Walton, Philadelphia, Pa. Potato-planter.	760,802	May 24	4436	943 944	110	1042
Norstrom, John K. (See Lundquist and Norstrom.)						
Norstrom, John K., and H. M. Graif, assignors to Automatic Telephone Company, Chicago, Ill. Electric-circuit closer.....	769,228	Sept. 6	171	42	112	38
Norstrom, John K., and J. J. Brownrigg, assignors to Globe Automatic Telephone Company, Chicago, Ill. Automatic telephone system.....	752,251	Feb. 16	2756	611 612	108	1692
Norstrom, Nils E., Chicago, Ill., assignor or two-thirds to J. Anderson, Salina, and M. E. Richardson, Sterling, Kans. Telephone-exchange.....	748,980	Jan. 5	841	178 179	108	195
Norstrom, Nils E., Chicago, Ill., assignor of two-thirds to J. Anderson, Salina, and M. E. Richardson, Sterling, Kans. Telephone-exchange.....	749,824	Jan. 19	2597	554 555	108	616
North, Albert A., New Britain, Conn. Chuck.....	768,396	Aug. 23	4643	972	111	2131
North, Barker, Manningham, England. Prepayment mechanism for electricity-meters.	767,495	Aug. 16	2772	579	111	1692
North Brothers Manufacturing Company. (See Furbish, Zachry T., assignor.)						
North, Charles E., Trenton, N. J. Inkling and listening key.....	760,700	May 24	4215	896	110	996
North, Charles H., assignor to North Electric Company, Cleveland, Ohio. Ringing and listening key.....	754,935	Mar. 15	3420	748	109	781
North, Edward R., Webster Groves, Mo. Trolley-crossing.....	777,912	Dec. 20	2888	636	113	2065
North Electric Company. (See Downs, John P., assignor.)						
North Electric Company. (See North, Charles H., assignor.)						
North, Frank A., Boston, Mass. Water-filter.....	763,318	June 21	3358	729	110	2210
North & Judd Manufacturing Company. (See Nearing, George H., assignor.)						
North & Judd Manufacturing Company. (See Parmelee, John H., assignor.)						
North & Judd Manufacturing Company. (See Smith, Clarence E., assignor.)						
North, Paul, <i>et al.</i> (See Fulford, Elijah D., assignor.)						
North, Paul, Lakewood, assignor to Chamberlin Cartridge and Target Company, Cleveland, Ohio. Target-trap.....	752,407	Feb. 16	3067	680	108	1757
North, Paul, Lakewood, assignor to Chamberlin Cartridge and Target Company, Cleveland, Ohio. Target-trap discharging mechanism.....	767,707	Aug. 16	3168	663	111	1780
North, Thomas M., Altrincham, assignor to Linotype and Machinery Limited, London, England. Inking mechanism for flat-bed printing-machines.....	771,924	Oct. 11	1418	822 823	112	1275
North, Thomas M., Altrincham, assignor to Linotype and Machinery Limited, London, England. Apparatus for automatically controlling the unwinding of rolls of paper.....	773,517	Oct. 25	4838	1021 1022 1023	112	2071
North, Thomas M., Altrincham, assignor to Linotype and Machinery, Limited, London, England. Printing-machine.....	773,970	Nov. 1	873	114 115	113	200
North, Thomas M., Altrincham, assignor to Linotype Company, Limited, London, England. Damping mechanism of rotary printing-machines.....	773,516	Oct. 25	4835	1020 1021	112	2070
North, Thomas M., Altrincham, assignor to Linotype Company, Limited, London, England. Inking and tripping mechanism of rotary printing-machines.....	773,969	Nov. 1	870	182 183 184	113	200
Northall, William H., Elwood, Ind. Electric headlight.....	757,564	Apr. 19	2718	595	109	1953
Northcott, William P., and E. E. Flora, Chicago, Ill.; said Flora assignor to said Northcott. Machine for printing the backs of books.....	748,643	Jan. 5	173	41, 42	108	38
Northen, Mary E., Denton, Tex. Pattern-chart.....	761,901	June 7	582	116	110	1569
Northern Electrical Manufacturing Company. (See Coffman, Walter M., assignor.)						
Northern Electrical Manufacturing Company. (See Duncan, Frederick B., assignor.)						
Northern Tissue Paper Mills. (See Fisher, Charles, assignor.)						
Northrop, Herbert N., Somerville, Mass. Garment-supporter.....	760,476	May 24	3754	795	110	895
Northrop, James H., Tustin, Cal., assignor to Draper Company, Hopedale, Mass. Self-threading loom-shuttle.....	762,247	June 7	1198	258	110	1700
Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Shuttle-lock for looms.....	761,996	June 7	732	149	110	1599
Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Filling-detecting means for looms.....	763,015	June 21	2774	601	110	2080
Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Shuttle-checking means for looms.....	769,179	Sept. 6	82	21	112	19
Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Self-threading loom-shuttle.....	769,914	Sept. 13	1475	316	112	350
Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Shuttle-checking means for looms.....	772,048	Oct. 11	1679	375	112	1333
Northrop, Walter, Toronto, Canada, assignor to Howson & Howson, trustees, Philadelphia, Pa. Automatic weighing apparatus.....	748,644	Jan. 5	178	43	108	40
Northrop, Walter, Toronto, Canada, assignor to Howson & Howson, trustees, Philadelphia, Pa. Automatic weighing apparatus.....	755,034	Mar. 22	3605	791	109	839
Northrup, Elmer C., San Jose, Cal. Elevator.....	766,155	Aug. 2	759	159 160	111	1206
Northrup, Elmer C., Riverside, Cal. Device for converting motion.....	768,138	Aug. 23	4114	805	111	2008
Northrup, Herbert E., <i>et al.</i> (See Peters, Stephen, assignor.)						
Northrup, Herbert E., <i>et al.</i> (See Waterman, Marcus M., assignor.)						
Northrup, Wesley W., Belleville, Mich. Composition post.....	752,354	Feb. 16	2959	659	108	1736
Northwood, Harry, Wheeling, W. Va. Decorating glassware with liquid gold.....	770,867	Sept. 27	3310	826 827	112	796
Norton, Bertram, Tipton, England. Automatic weighing-machine.....	771,170	Sept. 27	3916	826 827	112	929
Norton, C. E., <i>et al.</i> (See Hubbell, Thomas J., assignor.)						
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Steady-rest.....	762,550	June 14	1858	399 400	110	1861
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Grinding-machine.....	762,838	June 14	2434	529 530	110	1984
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Spout for grinding-machines.....	775,708	Nov. 22	4421	933	113	1051
Norton, Edwin, New York, N. Y. Bottle-cap.....	758,273	Apr. 26	4115	890	109	2279
Norton, Edwin, New York, N. Y., assignor to Automatic Vacuum Canning Company, Chicago, Ill. Automatic vacuumizing and double-seaming machine.....	762,551	June 14	1862	399 400	110	1862

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Norton, Elliott S., and G. C. Knauff, assignors to Acme Flexible Clasp Co., Chicago, Ill. Mat	775,683	Nov. 22	4276	903	113	1020
Norton, Frank E., Sidney, N. Y. Chisel	751,403	Feb. 2	1158	264	108	1304
Norton, George M. (See Brown, George W., assignor.)						
Norton, George W., and J. March, Philadelphia, Pa. Game apparatus	768,397	Aug. 23	4644	972	111	2131
Norton Grinding Company. (See Norton, Charles H., assignor.)						
Norton, Harold F., Newport News, Va. Trousers-hanger	768,339	Aug. 23	4496	945	111	2091
Norton, Henry A., Washington, D. C. Safety-pin	770,304	Sept. 20	2240	467	112	541
Norton, James A., Odebolt, Iowa. Expansive-fluid motor	750,217	Jan. 19	3327	719	108	770
Norton, James A., Odebolt, Iowa. Engine	762,189	June 7	1089	231	110	1675
Norton, James A., assignor of one-half to W. L. Raeder, Wilkesbarre, Pa. Ball-bearing trolley-wheel	763,016	June 21	2776	602	110	2080
Norton, Lewis C., Newton, Mass. Sliding-door-closing fixture	773,413	Oct. 25	4602	972	112	2020
Norton, Lowell F., Los Angeles, Cal. Spring-bed	760,532	May 24	3904	880	110	980
Norton, Robert F., St. Thomas, N. D. Can-opener	775,789	Mar. 29	1118	230	109	1164
Norvell, Chesley A., Sacramento, Cal. Canister	778,065	Dec. 20	3187	701	113	2145
Norwall Manufacturing Company. (See Hoffman, George D., assignor.)						
Norwood, George, Wintthrop, assignor, by mesne assignments, to himself, and J. S. Richardson, Boston, Mass. Strip-delivering apparatus.	757,565	Apr. 19	2721	595	109	1954
Norwood, George W., Shore, Tenn. Supporting foot or rest for pots or kettles	768,680	Aug. 30	4102	111	111	2276
Norwood, John E., Baltimore, Md. Side bearing for cars	759,304	May 10	1486	298	110	350
Norwood, John E., assignor to Baltimore Railway Footcity Company, Baltimore, Md. Universal street-car side bearing	750,481	Jan. 26	3836	831	108	902
Norwood, John E., assignor to Baltimore Ball Bearing Co., Baltimore, Md. Side bearing for street-cars	766,113	July 26	4426	948	111	1002
Noseworthy, Jonathan, St. Johns, Newfoundland. Safety-fastener for envelopes or other containers	758,379	Apr. 26	4337	991	109	2327
Noseworthy, Jonathan, St. Johns, Newfoundland. Sash-lock	764,493	July 5	1187	243	111	262
Nossard, Winfield, Camden, N. J. Music-leaf turner	763,201	June 21	3146	676	110	2163
Nostrand, Theodore D., assignor of one-third to F. E. Habicht and F. Eberlein, Chicago, Ill. Receptacle for shipping and exposing fly-paper	769,915	Sept. 13	1478	316	112	351
Nostrand, Theodore D., and H. R. Corbett, assignors to Utility Manufacturing Company, Chicago, Ill. Sticky-fly-paper apparatus	762,839	June 14	2447	531	110	1987
Notbohm, Leonard C., Rome, Wis. Combined box and barrel cart	762,747	June 14	2244	488	110	1942
Noth, George J., Davenport, Iowa. Grain-valve	732,465	Feb. 16	3168	706	108	1780
Notkin, Naum, Moscow, Russia. Steam-superheater	774,335	Nov. 8	1549	392	113	365
Notman, Robert L., Flint, Mich. Vehicle-body	761,177	May 31	5193	1103	110	1324
Nott Fire Engine Company. (See Penney, Herbert E., assignor.)						
Notter, Charles H., Chicago, Ill. Bucket conveyor	750,886	Feb. 2	206	47	108	1103
Notthoff, Henry, Santa Monica, Cal. Tank-hoop tightener	768,139	Aug. 23	4116	865	111	2008
Nourse, Frank P., assignor to Simplex Binder Co., Alexandria, Ind. Bookbinding device	770,692	Sept. 20	2963	630	112	703
Nourse, Frank P., assignor to Simplex Binder Co., Alexandria, Ind. Staple-setting device	770,693	Sept. 20	2964	630	112	703
Nourse, Rupert A., et al. (See Shupe, Eli, assignor.)						
Novak, Edward, assignor of one-half to C. F. Kuncel, Omaha, Nebr. Can-opener	769,396	Sept. 6	511	113	112	115
Novák, Eugen, Szabadka, assignor of one-half to E. Horváth, Budapest, Austria-Hungary. Combined knuckle-duster and revolver	756,182	Mar. 29	5763	1272	109	1325
Novelty Electric Company. (See Trump, Charles E., assignor.)						
Novelty Engineering Association. (See Remington, Alfred M., assignor.)						
Novelty Manufacturing Company. (See Boeck, Charles H., assignor.)						
Novelty Manufacturing Company. (See Rasmussen, Laurits, assignor.)						
Novotny, Frank, St. Paul, Minn. Shell-ejector mechanism for guns	754,598	Mar. 15	2778	605	109	640
Novotny, Frank, St. Paul, Minn. Gun	754,599	Mar. 15	2781	606	109	641
Nowell, Frederick D. (See Starrett, Danville W., assignor.)						
Nowels, David C., assignor of one-half to J. F. Lavender, Rockwell City, Iowa. Lacing-string fastener	756,600	Apr. 5	948	200	109	1545
Nowland, George A., assignor of one-half to A. H. Agnew, Alexandria, Va. Hawse-pipe	765,033	July 26	4069	869	111	926
Nowlin, Robert J. (See Langdale and Nowlin.)						
Nowotny, Franz, Bernburg, Germany. Apparatus for cleaning tubes, pipes, or the like	775,679	Nov. 22	4371	922	113	1040
Noyer, Joseph N., Gould City, Wash. Wrench	773,624	Apr. 19	3113	678	109	2040
Noyer, Joseph N., Gould City, Wash. Wrench	777,389	Dec. 13	1819	403	113	1845
Noyes, Charles W., assignor of one-half to J. H. Mitchell, Cincinnati, Ohio. Phonograph	774,100	Nov. 1	1126	240	113	255
Noyes, Jesse D., Shamburg, Pa. Pipe-wrench	772,576	Oct. 18	2761	608	112	1593
Noyes, La Verne W., Chicago, Ill. Windmill	765,036	July 12	2806	479	111	519
Noyes, Lewis W., Mechanicsville, N. Y. Machine for coating paper or like materials	765,507	July 19	3227	675	111	734
Noyes, Lewis W., Mechanicsville, N. Y. Machine for coating paper or like materials	765,508	July 19	3230	676	111	735
Noyes, Orlando S., Philadelphia, Pa. Water-motor	755,790	Mar. 29	5036	1119	109	1164
Nugent, William W., Chicago, Ill. Oiling device	774,969	Nov. 15	2802	600	113	661
Nuhring, Charles, Cincinnati, Ohio. Chemical fire-extinguisher	774,336	Nov. 8	1550	392	113	365
Nuhring, Charles, Cincinnati, Ohio. Portable fire-extinguisher	777,131	Dec. 13	1336	295	113	1740
Nuhring, Charles, Cincinnati, and W. M. Thompson, Norwood, Ohio. Fire-extinguishing apparatus	773,971	Nov. 1	875	185	113	201
Numan, Charles H., New York, N. Y. Inkstand	776,675	Dec. 6	418	93	113	1521
Numerograph Manufacturing Company. (See Dudley, George W. and A. L., assignors.)						
Nunn, August W., Rochester, N. Y. Hose-coupling	774,196	Nov. 8	1291	274	113	309
Nunn, Richard J., Savannah, Ga. Trunk-strap	759,305	May 10	1488	298	110	360
Nunning & Son, Frank. (See Monroe, William E., assignor.)						
Nusbaum, Frank A., Dayton, Ohio. Clamp for closing leaks	771,388	Oct. 4	329	73	112	1030
Nusbaum, Moses G., et al. (See Kitzmiller, George M., assignor.)						
Nusbaum, Bertram E., et al. (See Beardsley, Robert F. W., assignor.)						
Nuss, Morris, Philadelphia, Pa. Automatic car-switch	761,536	May 31	5860	1255	110	1371
Nuss, Winfred W. (See Roberts, George W., assignor.)						
Nussbaum, Bertram E., et al. (See Beardsley, Robert F. W., assignor.)						
Nutt, Ivory G., Gainesville, Ark. Car-coupling	761,537	May 31	5862	1256	110	1372
Nutt, Jasper N., Rochester, N. Y. Hose-coupling	755,542	Nov. 22	4086	859	113	978
Nutt, John J., New York, N. Y. Hair-drying apparatus	768,907	Aug. 30	5691	1197	111	2379
Nutting, Charles E., assignor to Draper Company, Hopedale, Mass. Clamping device for heddle bars or supports	762,434	June 14	1595	348	110	1804
Nutting, Charles E., assignor to Draper Company, Hopedale, Mass. Loom-harness mechanism	763,418	June 28	3611	777	110	2285
Nutting, Charles E., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for spinning spindles	764,757	July 12	1766	361	111	422

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Nutting, Frederick J., assignor to National Automatic Tool Co., Dayton, Ohio. Auto-matic multiple drilling-machine	753,905	Mar. 8	1380	{ 311 312 313 }	109	318
Nutting, Frederick J., Dayton, Ohio, assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register	773,094	Oct. 25	3861	825	112	1854
Nya Aktiebolaget Radiator. (See Arnberg, Per A. M., assignor.)						
Nya Aktiebolaget Radiator. (See Dahlqvist, John A., assignor.)						
Nya Aktiebolaget Radiator. (See Dahlqvist and Holm, assignors.)						
Nyack Machine Works. (See Hutchinson, William F., assignor.)						
Nyberg, Henry, Chicago, Ill. Automobile	771,555	Oct. 4	689	153	112	1106
Nyce, John M., Easton, Pa. Receptacle of the ladle type	753,728	Mar. 1	986	223	109	213
Nye, C. A., et al. (See Stone, John V., assignor.)						
Nye, George E., Chicago, Ill. Interlocking metal sheet-piling	753,094	Feb. 23	4426	984	108	2078
Nye, George E., Chicago, Ill. Metal sheet-piling	778,601	Dec. 27	4247	924	113	2391
Nye, Jason J., Brookfield, Vt. Telephone call attachment	756,183	Mar. 29	5764	1273	109	1325
Nye, John O., Syracuse, N. Y. Manufacturing hollow blocks of artificial stone	771,566	Oct. 4	691	154	112	1106
Nylander, Carl G., assignor of one-half to F. J. Regensburger, McKeesport, Pa. Electric time-switch	765,632	July 19	3451	728	111	781
Nystrom, Carl H., Yonkers, N. Y. Friction-clutch	773,336	Oct. 25	4438	940	112	1985
Nystrom, Svante H., Chicago, Ill. Ash-sifting shovel	760,477	May 24	3750	795	110	896
O. A. Albrecht Company. (See Albrecht and Ringwalt, assignors.)						
O. A. Miller Treeling Machine Company. (See Brown, Jonathan T., assignor.)						
O. A. Miller Treeling Machine Company. (See Miller, Howard O., assignor.)						
O'Brien, Harry C., assignor to Athens Foundry and Machine Co., Athens, Ohio. Gravity-incline machine	768,235	Aug. 23	4298	{ 904 905 }	111	2047
O'Brien, Alexander J., Beloit, Wis. Oil-burner	775,762	Nov. 22	4516	958	113	1072
O'Brien, Andrew P., Richmond, Va. Ore-roasting furnace	775,147	Nov. 15	3178	{ 675 676 }	113	749
O'Brien, Archibald M., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Fluid-press	755,035	Oct. 22	3609	792	109	840
O'Brien, Arthur, Chicago, Ill. Cook	771,567	Mar. 4	692	154	112	1106
O'Brien, Arthur, assignor to A. H. Rugg and T. G. McCulloch, Chicago, Ill. Automatic siphon-valve	755,036	Mar. 22	3610	792	109	841
O'Brien, Arthur, assignor to A. H. Rugg and T. G. McCulloch, Chicago, Ill. Self-closing and siphon valve	772,668	Oct. 18	2926	642	112	1628
O'Brien, Charles H., Augusta, Me. Electrical apparatus for producing sound-signals	752,408	Feb. 16	3068	681	108	1758
O'Brien, David J., Omaha, Neb. Candy-package	777,132	Dec. 13	1338	296	113	1740
O'Brien, Dennis J., assignor to O'Brien Reflector and Electric Tube Lamp Company, San Francisco, Cal. Incandescent electric lamp	768,479	Aug. 23	4795	1005	111	2162
O'Brien, Elmer G. (See Geddes and O'Brien.)						
O'Brien, Elmer G., Wellington, Kans. Vehicle-wheel	774,891	Nov. 15	2659	571	113	628
O'Brien, Eugene. (See McNulty, O'Brien, and French.)						
O'Brien, John D., Boston, Mass. Elastic band or strap	750,780	Jan. 26	4442	958	108	1033
O'Brien, John D., St. Louis, Mo., assignor to National Patent Lath and Manufacturing Company. Machine for weaving sheet-lathing	765,191	July 19	2305	543	111	597
O'Brien, John D., St. Louis, Mo., assignor to National Patent Lath and Manufacturing Company. Sheet-lathing for buildings	773,886	Nov. 1	708	149	113	162
O'Brien, John J., St. Louis, Mo. Rotary engine	768,884	Aug. 30	5551	1188	111	2369
O'Brien, John J., assignor to John O'Brien Boiler Works Company, St. Louis, Mo. Water-tube boiler	759,544	May 10	1958	400	110	464
O'Brien, Michel L., Joliet, Ill. Spacing mechanism for punching or drilling machines	773,584	Nov. 1	98	20	113	27
O'Brien, Miles W., Ottawa, Ill. Shoe-tree	752,409	Feb. 16	3069	681	108	1758
O'Brien Reflector and Electric Tube Lamp Company. (See O'Brien, Dennis J., assignor.)						
O'Brien, Thomas E., et al. (See Horth, Henry J., assignor.)						
O'Brien, Thomas E., Chicago, Ill. Couch	752,177	Feb. 16	2602	578	108	1654
O'Brien, Thomas E., assignor of three-eighths to J. F. Eaton, Boston, Mass. Drill-chuck	762,650	June 14	2046	442	110	1901
O'Brien, William C., Baltimore, Md. Automatic starter for electric motors	752,097	Feb. 16	2460	550	108	1623
O'Brien, William L., Newriver Depot, Va. Switch	770,305	Sept. 20	2241	467	112	541
O'Brien, William P., Detroit, Mich. Snap-hook	768,069	Aug. 23	3935	825	111	1968
O'Brien, William T., Portland, Oreg. Garment-press	778,762	Dec. 27	4537	993	113	2456
O'Callaghan, John J., Chicago, Ill. Necktie or ribbon clasp	753,095	Feb. 23	4427	985	108	2078
O'Connell, Charles C. (See Coombs and O'Connell.)						
O'Connell, Daniel. (See Reblan, Albert F., assignor.)						
O'Connell, John M. (See Holmoe, Charles, assignor.)						
O'Connell, Joseph J., Chicago, Ill., assignor to American Telephone and Telegraph Company. Apparatus for amplifying or reinforcing telephone-currents	760,143	May 17	3135	656	110	739
O'Connell, Joseph J., Chicago, Ill., assignor to American Telephone and Telegraph Company. Earth or ground wire attachment	762,341	June 14	1408	304	110	1764
O'Connor, Edwin G., Baltimore, Md. Tronson stapler and creaser	774,367	Nov. 8	1419	303	113	336
O'Connor, James. (See Sibley, James T., assignor.)						
O'Connor, John. (See Simmonds, Percy V., assignor.)						
O'Connor, Joseph J., Montreal, Canada. Aerial-punching-bag-supporting bracket	771,925	Oct. 11	1421	324	112	1276
O'Connor, Michael J., Brooklyn, N. Y. Sound-controller for horns of phonographs or graphophones	769,448	Sept. 6	603	132	112	137
O'Connor, Patrick, Augusta, Me. Antiradiator	765,037	July 12	2308	479	111	519
O'Connor, Walter W., East Pittsburg, Pa. Antifriction-bearing	753,619	Mar. 1	764	170	109	166
O'Donnell, Felix, assignor of one-half to S. A. Brown, Pawtucket, R. I. Welt-replenishing mechanism for looms	767,425	Aug. 16	2610	550	111	1654
O'Donnell, Felix, assignor of one-half to S. A. Brown, Pawtucket, R. I. Welt-replenishing mechanism for looms	767,426	Aug. 16	2613	{ 550 551 }	111	1654
O'Donnell, Hugh, Pittsburg, and W. C. South, Berwyn, Pa. Camera	755,235	Mar. 22	3956	876	109	914
O'Donnell, Martin H., and J. R. Mackey, New York, N. Y. Combination step-ladder and ironing-board	769,397	Sept. 6	512	113	112	116
O'Donnell, Martin J. (See Leick and O'Donnell.)						
O'Donnell, Maximilian J. (See Cutting, Otis, assignor.)						
O'Donnell, Richard W., Philadelphia, Pa. Ash-sifter	762,190	June 7	1092	231	110	1676
O'Donnell, Thomas A., and A. G. Willard, Los Angeles, Cal. Underreamer and drill	762,435	June 14	1596	348	110	1804
O'Grady, Thomas F. (See Mauro, John, assignor.)						
O'Hern, Cornelius J., et al. (See Tocher, Jane, assignor.)						
O'Higgins, John B., New York, N. Y. Comb for applying liquid to the scalp	750,388	Jan. 26	3651	793	108	864
O'Keefe, William A., Leavenworth, Kans. Combination bag holder or rack and printing device	755,693	Mar. 29	4826	1072	109	1120
O'Keefe, William H., Lockport, N. Y. Combined table and desk	756,883	Apr. 12	1337	295	109	1642

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O'Leary, John, Cohoes, N. Y. Railway passenger-car	772,740	Oct. 18	3090	673 674 675	112	1668
O'Leary, John, Cohoes, N. Y. Passenger-car	772,741	Oct. 18	3097	675	112	1665
O'Leary, John, Cohoes, N. Y. Car-seat	772,742	Oct. 18	3098	675	112	1665
O'Loughlin, James, et al. (See Sharp, Harry E., assignor.)						
O'Meara, Jeremiah, New York, N. Y. Valve	775,929	Nov. 29	4840	1025	113	1157
O'Meara, Jeremiah, New York, N. Y. Nut-lock	776,676	Dec. 6	419	93	113	1521
O'Neal, John R., Conyers, Ga. Cotton-seed planter	774,101	Nov. 1	1127	240	113	255
O'Neill, James M., Dallas, Tex., assignor to British American Power Company. Apparatus for refining crude petroleum	754,687	Mar. 15	2953	644	109	677
O'Neil, James W., and J. R. Edwards, Lafayette, Oreg. Music-leaf turner	772,173	Oct. 11	1940	429	112	1388
O'Neil, Charles D., Harlan, Iowa. Wrench	762,935	June 21	2641	572	110	2050
O'Neil, Frederick W., Painesdale, Mich. Separating-hopper for stamp-mill launders	752,702	Feb. 23	3645	812	108	1903
O'Neil, Patrick, assignor of forty-five one-hundredths to W. L. Owen, San Francisco, Cal. Apparatus for taking soundings	773,887	Nov. 1	708	149	113	163
O'Neil, Thomas E., Providence, R. I. Portable track-rail-cutting machine	766,725	Aug. 2	1205	254	111	1309
				488		
O'Neill, Bryan P., Allentown, Pa. Time gas-lighter	762,748	June 14	2246	489	110	1942
				490		
O'Neill, Charles J., Washington, D. C., assignor to Standard Coupler Company, New York, N. Y. Friction draft-gear	773,155	Oct. 25	4055	860	112	1901
O'Neill, Charles W., Peoria, Ill. Combined sloop-hopper, floor-drain, and backwater-trap	765,749	July 26	3718	793	111	850
O'Neill, Frank, Detroit, Mich., assignor of one-half to D. A. Gordon, Wallaceburg, Canada. Glass-pressing mechanism	767,310	Aug. 9	2388	499	111	1587
O'Neill, Franklin P., Boston, Mass. Wrench	754,795	Mar. 15	3165	689	109	725
O'Neill, George E., assignor of one-half to J. T. Willoughby, Brooklyn, N. Y. Device for applying fluid-pressure to the insides of packages	776,538	Dec. 6	141	32	113	1456
O'Neill, John W., Chicago, Ill. Surgical instrument for hemorrhoids	755,921	Mar. 29	5298	1169	109	1225
O'Neill, Murray. (See Moore and O'Neill.)						
O'Neill, Joseph P. (See Bliss, Richard H., assignor.)						
O'Quinn, Alexander H. and L. C. Jesup, Ga. Hay-press	760,014	May 17	2868	601	110	680
O'Quinn, Leonard C. (See O'Quinn, Alexander H. and L. C.)						
O'Reilly, Anthony J. (See Crompton and O'Reilly.)						
O'Reilly, Anthony J., Worcester, Mass., assignor to Crompton Thayer Loom Company. Connecting-rod	771,489	Oct. 4	521	117	112	1069
O'Reilly, Anthony J., assignor to Crompton Thayer Loom Company, Worcester, Mass. Warp-beam for looms	776,082	Nov. 29	5161	1090	113	1231
O' Rielly, Michael J., Buffalo, N. Y. Gas-burner	778,794	Dec. 27	4599	1004	113	2470
O'Shaughnessy, James F., New York, N. Y., assignor, by mesne assignments, to Cotton Picker Company. Cotton-picking machine	775,456	Nov. 22	3887	822	113	985
O'Shaughnessy, Thomas, San Jose, Cal. Sewing-awl	755,354	Feb. 2	1045	237	108	1290
O'Shaughnessy, Thomas, San Jose, Cal. Latch	755,923	Mar. 29	5303	1171	109	1227
O'Shaughnessy, Thomas, San Jose, Cal. Wrench attachment	755,924	Mar. 29	5305	1171	109	1227
O'Shaughnessy, Thomas, San Jose, Cal. Perpetual calendar	771,742	Oct. 4	1007	225	112	1174
O'Shaughnessy, Thomas, San Jose, Cal. Perpetual calendar	773,699	Nov. 1	357	57, 58	113	62
O'Shea, Andrew J., Fargo, N. D. Car-bumper	777,390	Dec. 13	1821	409	113	1846
O'Shea, John C., Washington, D. C. Purse	751,748	Feb. 9	1786	407	108	1455
O'Shea, Timothy, Chicago, Ill. Fireproof floor and ceiling construction	762,552	June 14	1867	401	110	1863
O'Shea, Timothy, Chicago, Ill. Building construction	765,397	July 19	2993	626	111	684
O'Shea, Timothy, Chicago, Ill. Building construction	766,280	Aug. 2	295	59	111	1105
O'Toole, William. (See Gunnell and O'Toole.)						
Oakes, Ernest A., Jr., Rockford, Ill. Feeding mechanism	763,625	June 28	3960	863	110	2360
Oakes, Francis J., New York, N. Y. Glucoside dye and making same	759,006	May 3	843	.....	110	194
Oakes, Oliver E. (See Lane and Oakes.)						
Oakley, Jesse R., Braddock, Pa. Metal-tongs	757,339	Apr. 12	2256	481	109	1839
				492		
Oakley, Jesse R., Braddock, Pa. Rail-joint	760,011	May 17	2863	599	110	679
				600		
Oakley, Reuben A., assignor of one-half to V. Guertin, Montreal, Canada. File-binder	772,430	Oct. 18	2468	541	112	1530
Oakley, William E., Millbury, Mass. Rail-bond	772,172	Oct. 11	1937	428	112	1388
Oakman, Samuel, Cheshire, assignor to L. A. Wright, Boston, Mass. Insulator	773,986	Nov. 29	4982	1051	113	1190
Oakes, James J., Reading, Pa. Washing-machine	767,116	Aug. 9	2028	421	111	1511
Oakville Company. (See Johnson, Frank M., assignor.)						
Oates, George P. (See Packham and Oates.)						
Oates, George P., Springfield, Ohio, assignor to American Seeding Machine Company, Jersey City, N. J. Seeding attachment for corn-planters	753,729	Mar. 1	987	223 224	109	213
Oddyke, Benjamin P. (See Garrett and Schaffer, assignors.)						
Ober, George H., Chagrin Falls, Ohio. Sander or smoothing-machine	759,187	May 3	1185	240 241	110	269
				242		
Oberdahn, Walter R., East McKeesport, Pa. Brick-making machine	750,059	Jan. 19	3052	654	108	712
Oberdorfer, Fidel, Heidenheim-on-the-Brenz, Germany. Mustache-band	753,906	Mar. 8	1388	655	109	320
Oberdorfer, John. (See Scrimgeour and Oberdorfer.)						
Oberlaender, Gustav, New York, N. Y. Self-igniting burner	757,218	Apr. 12	2001	435	109	1786
Oberlaender, Gustav, New York, N. Y. Igniting attachment for burners	757,219	Apr. 12	2003	436	109	1787
Obermeier, Ludwig, Munich, Germany. Tape-measure	777,913	Dec. 20	2968	636	113	2085
Obermeir, Wolfgang, Lostlake, Wis. Automatic dropper	773,907	Mar. 8	1388	313	109	320
Obermiller, Henry L. (See Obermiller, William F., assignor.)						
Obermiller, William F., assignor of one-half to H. L. Obermiller, Galena, Ill. Mirror and support therefor	760,478	May 24	3756	795	110	896
Oberreit, Paul E., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Chlorinated indigo and making same	761,007	May 24	4824	.....	110	1126
Oberreit, Paul E., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Purifying indigo	765,590	July 19	3374	.....	111	765
Oberwalder, William C., New York, N. Y. Gas-burner	765,509	July 19	3238	676	111	735
Obols, Frank, assignor of one-half to J. D. Vargas, Winnemucca, Nev. Lock-nut	753,301	Mar. 1	161	87	109	38
Obitz, Andrew, Pittsburg, Pa. Vehicle attachment	769,564	Sept. 6	828	177	112	187
Obolensk, Nicholas, Hermitage, assignor of fifty-one one-hundredths to J. McGarvey, Rochester, N. Y. Valve	751,333	Feb. 2	1044	237	108	1280
Obry, Ludwig, Trieste, Austria-Hungary. Automatic firing device for ordnance	754,885	Mar. 15	3336	729	109	763
Ochiltree, John M. (See Ihler, Alexander, Barr, and Ochiltree.)						
Ochwat, Heinrich, Berlin, Germany. Shaft-furnace for the combustion or destruction of refuse	769,872	Sept. 13	1402	299	112	335

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Ocuppaugh, C. H. (See Lackey, Robert A., assignor.)						
Ocuppaugh, Edmund, Rochester, N. Y. Hand-stamp	775,190	Nov. 15	3276	699	113	772
Ocuppaugh, Edmund, assignor to DeHance Machine Company, Rochester, N. Y. Stamp	749,577	Jan. 12	2103	438	108	493
Oddie, Philip F., Oschersleben, Germany. Duplex pump	749,089	Jan. 5	1088	230	108	250
Oddy, Edwin. (See Davies, Woodcock, and Oddy.)						
Odell, James A., Evanston, Ill. Fence	752,854	Feb. 23	3933	882	108	1966
Odell, James A., Evanston, Ill., assignor to National Vitrified Post Company, Brazil, Ind., and Chicago, Ill. Fence						
Odell, Theodore F., Nyack, N. Y. Non-refillable bottle	769,320	Sept. 6	369	85	112	80
Odell, Theodore F., Nyack, N. Y. Sheathing for roofs	768,140	Aug. 23	4117	866	111	2009
Oden, John P. (See Graybill and Oden.)	776,198	Nov. 29	5376	1138	113	1281
Odling, Francis J. (See Jamieson and Odling.)						
Odquist, Victor. (See Fyfe and Odquist.)						
Odquist, Victor, Chicago, Ill. Striking-clock	773,585	Nov. 1	99	21	113	28
Oehler, Anilin- & Anilinfarben Fabrik, K. (See Laska, August L., assignor.)						
Oehler, Firm of K. (See Laska, August L., assignor.)						
Oelgiesser, Nathan. (See Feldhamer and Oelgiesser.)						
Oelkers, Henry. (See Smith, Carpenter, and Weidknecht, assignors.)						
Oertly, John, assignor to I. M. Krohn and S. M. Fechtmeier, Cincinnati, Ohio. Inking attachment for automatic inking-machines	772,577	Oct. 18	2762	608	112	1594
Oeser, Ernst, Schöneberg, near Berlin, Germany. Manufacturing faced cardboard	770,648	Sept. 20	2873	610	112	681
Oesterreicher, Alfred, assignor of one-half to L. Nemeika, Vienna, Austria-Hungary. Railway-track current-controller	761,987	June 7	734	150	110	1599
Oesterreicher, Alfred, Vienna, Austria-Hungary. Electrically-controlled automatic block system for operating railway-signals	763,921	June 28	4551	993	110	2486
Oesterreichische Asphalt Actiengesellschaft et al. (See Meinong, Rafael von, assignor.)				995		
Oetjen, Theodore F., Augusta, Ga. Electric self-registering target	760,012	May 17	2864	600	110	679
Oetting, Carl F. W. A., Strehla, Germany. Locking device for pneumatic tools	768,294	Aug. 23	4415	928	111	2074
Oettinger, Adolph J. (See White, James H., assignor.)						
Oettli, Jacques, Lausanne, assignor to Syndicat pour l'Exploitation des Inventions du Professeur Oettli, Berne, Switzerland. Manufacture of white lead	771,024	Sept. 27	3627	763	112	866
Oettli, Jacques, Lausanne, assignor to Syndicat pour l'Exploitation des Inventions du Professeur Oettli, Berne, Switzerland. Manufacture of zinc-white	771,025	Sept. 27	3630	764	112	866
Offenberg, Morris, New York, N. Y. Mantle for incandescent gas-burners	778,504	Dec. 27	4061	886	113	2351
Offenberg, Moses, Berlin, Germany. Incandescent mantle	768,449	Sept. 6	605	132	112	137
Offermans, John J., et al. (See Wehrle, Joseph, assignor.)						
Offermann, Joseph, Minneapolis, Minn. Folding square	763,419	June 28	3612	778	110	2285
Officer, Thomas, assignor to Sullivan Machinery Company, Claremont, N. H. Engine for explosive-engines	777,914	Dec. 20	2889	636	113	2085
Ogden, Dore, assignor to one-half to K. D. H. Reap, Columbus, Ind. Exhaust-muffler						
Ogden, George W., Prosperity, Va. Sash-balance	763,696	June 28	3963	610	110	2260
Ogden, Irvin, Whatcheer, Iowa. Road-making machine	753,908	Mar. 8	1389	313	109	320
Ogden, John E. L., Liscard, England. Securing valve-seats	750,482	Jan. 26	3828	831	108	902
Ogden, William H., Philadelphia, Pa. Attachment for lawn-mowers	769,831	Sept. 13	1329	1283	112	319
Ogle, Mary L., Covington, Ky. Mail-box	760,751	May 24	4332	919	110	1021
Oglesby, William T., Keokuk, Iowa. Cream-separator	753,302	Mar. 1	162	37	109	38
Ohde, George, Jr., et al. (See Breckenridge, Edward E., assignor.)	756,273	Apr. 5	158	32	109	1377
Ohio Automobile Company. (See Packard and Hatcher, assignors.)						
Ohio Brass Company. (See Mead, George A., assignor.)						
Ohio Cultivator Company. (See Johnston, Oman E., assignor.)						
Ohio Cultivator Company. (See Ripberger, Clemens M., assignor.)						
Ohio Cultivator Company. (See Ryder, Andrew V., assignor.)						
Ohio Pump & Brass Co. (See Wilkins and Weber, assignors.)						
Ohio Steel Wheel-Barrow Company. (See Cone, George C., assignor.)						
Ohl, Adam, and P. Meyer, Newark, N. J., said Meyer assignor to said Ohl. Slat painting or varnishing machine	771,660	Oct. 4	867	194 195	112	1145
Ohlmann, Louis H. (See Lee, Theodore K., assignor.)						
Ohlson, Olof, Newton, Mass. Screw-driver	761,391	May 31	5620	1196	110	1318
Ohlson, Olof, Astoria, Oreg. Combined saw set and gage	776,254	Nov. 29	5495	1164	113	1309
Ohlson, Olof, assignor to American Waltham Watch Company, Waltham, Mass. Ornamentation of exposed winding-wheels of watch-movements	754,600	Mar. 15	2782	606	109	641
Ohlsson, Olof, Södertelge, assignor to G. O. Wallenberg, Stockholm, Sweden. Supporting device for rapidly-rotating parts	765,038	July 12	2309	1479 1480	111	520
Ohmer Fare Register Co. (See Ohmer, John F., assignor.)						
Ohmer Fare Register Co. (See Ohmer and Bridenbaugh assignors.)						
Ohmer Fare Register Co. (See Tyler, Hiram, assignor.)						
Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Co., Rochester, N. Y. Traffic-ticket system	763,922	June 28	4558	996	110	2486
Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Co., Rochester, N. Y. Machine for registering, punching, and issuing tickets	773,518	Oct. 25	4846	1023	112	2074
Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Co., Rochester, N. Y. Ticket issuing and recording machine	778,264	Dec. 27	3574	783	113	2247
Ohmer, John F., and E. H. Bridenbaugh, Dayton, Ohio, assignors to Ohmer Fare Register Co., Rochester, N. Y. Operating device for fare-registers	773,519	Oct. 25	4851	1024	112	2075
Ohmer, Wilfred I., Dayton, Ohio. Operating mechanism for fare-registers	764,758	July 12	1768	362	111	403
Ohmer, Wilfred I., assignor to Recording and Computing Machines Company, Dayton, Ohio. Fare register and recorder	764,494	July 5	1189	245 246	111	262
Ohmer, Wilfred I., assignor to Recording and Computing Machines Company, Dayton, Ohio. Machine for printing conductors' reports or the like	768,619	Aug. 30	5106	1073 1074	111	2248
Ohmer, Wilfred I., assignor to Recording and Computing Machines Company, Dayton, Ohio. Operating mechanism for car-registers	769,398	Sept. 6	514	113	112	116
Ohmer, Wilfred I., J. N. Kelly, and J. N. Kelly, assignors to Recording and Computing Machines Company, Dayton, Ohio. Ticket printing and registering machine	766,649	Aug. 2	1041	219	111	1272
Ohmer, Wilfred I., J. N. Kelly, and J. N. Kelly, assignors to Recording and Computing Machines Company, Dayton, Ohio. Ticket printing, checking, and recording machine	769,710	Sept. 13	1096	225 226	112	267
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Stairway	750,996	Feb. 2	404	95	108	1147
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Window-sash	750,999	Feb. 2	405	95	108	1147
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic furniture	751,097	Feb. 2	579	134	108	1184

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Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Stairway.....	751,098	Feb. 2	581	134	108	1185
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic furniture.....	751,099	Feb. 2	582	135	108	1185
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic furniture.....	751,435	Feb. 2	1207	276	108	1314
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Door or like frame.....	754,492	Mar. 15	2586	561	109	601
Ohnstrand, Enoch, assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic column.....	758,331	Apr. 26	4252	913	109	2310
Ohrmann, William, Scotia, N. Y. Brooder.....	776,346	Nov. 29	5660	468 (119)	113	1346
Oil City Gas Engine Starter Company. (See Mitchell and Lewis, assignors.)						
Oil and Waste Saving Machine Company. (See Patterson, Thomas S., assignor.)						
Oil Well Supply Company. (See Boyce, James C., assignor.)						
Oil Well Supply Company. (See Weidler, Edgar O., assignor.)						
Okey, George B., assignor to National Non-Refillable Bottle Company, Indianapolis, Ind. Stopper for preventing refilling bottles.....	754,685	Mar. 15	2950	644	109	677
Okey, George B., assignor to Okey Rural Mail Box Company, Indianapolis, Ind. Mail-box carrier.....	754,686	Mar. 15	2951	644	109	677
Okey Rural Mail Box Company. (See Okey, George B., assignor.)						
Okonite Company. (See Ackerman, Edward F., assignor.)						
Olaison, John K. (See Johnson and Olaison.)						
Olcott, Charles S., Montclair, N. J. Book-holder.....	772,473	Oct. 18	2565	563	112	1550
Olcott, John D., Norwalk, Ohio. Dump-wagon.....	772,049	Oct. 11	1681	375	112	1334
Old, Clarence H., et al. (See Kirby, Jerry W., assignor.)						
Old Colony Cork Wood Company. (See Lenhart, Philip F., assignor.)						
Old Colony Hat Co. (See Sackett, Charles E., assignor.)						
Olden, Frederick J. M., Jr., Chicago, Ill. Garment-supporter.....	761,988	June 7	735	150	110	1600
Olden, William Q., assignor to himself, A. F. Banks, Chicago, and R. B. Campbell, Joliet, Ill. Steel slide-dump car.....	770,306	Sept. 20	2242	469	112	541
Oldfield, William. (See Ball, Jacob, assignor.)						
Oldfield, William, New Bedford, assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms.....	750,300	Jan. 26	3492	755	108	827
Oldfield, William, New Bedford, assignor to Draper Company, Hopedale, Mass. Filling-feeder for well-replenishing looms.....	767,427	Aug. 16	2615	551	111	1625
Oldridge, Sidney T., London, England. Portable table fountain.....	770,990	Dec. 6	937	301	113	1692
Olds, Edwin W., Milwaukee, Wis. Brake for railway-cars.....	764,670	July 12	1600	327	111	367
Olds Gasoline Engine Works. (See Scott, Richard H., assignor.)						
Olds Motor Works. (See Harrington, Norman T., assignor.)						
Olds Motor Works. (See Olds, Ransom E., assignor.)						
Olds, Ransom E., assignor to Olds Motor Works, Detroit, Mich. Brake mechanism.....	749,903	Jan. 19	2740	586	108	647
Olds, Ransom E., assignor to Olds Motor Works, Detroit, Mich. Valve-gear for explosive-engines.....	750,684	Jan. 26	4207	912	108	979
Olds, Ransom E., assignor to Olds Motor Works, Detroit, Mich. Carbureter for explosive-engines.....	761,392	May 31	5631	1196	110	1318
Oleschek, Julius, Philadelphia, Pa. Lifting device.....	772,112	Oct. 11	1808	401	112	1362
Olin, Clarence G., Windsor, Ohio. Bridle-bit.....	767,854	Apr. 19	3473	731	109	2130
Olin, Franklin W., Alton, Ill. Shell-head-feeding apparatus.....	755,920	Mar. 29	5297	1169	109	1225
Olinger, Jacob M., Vienna Crossroads, Ohio. Trolley.....	765,852	July 26	3925	838	111	893
Olinger, Jacob M., Vienna Crossroads, Ohio. Combined fertilizer-distributor and grain-drill.....	766,592	Aug. 9	1586	333	111	1412
Oliphint, Henry L., Pauls Valley, Ind. Ter. Miller's hat-stand.....	764,485	July 5	1202	247	111	264
Oliva, Franz, Malstatt-Burbach, Germany. Manufacturing artificial marble.....	766,893	Aug. 9	1588	333	111	1413
Oliver, Charles, Pennant Hills, near Sydney, New South Wales, Australia. Apparatus for separating oil or grease from water.....	748,981	Jan. 5	843	179	108	195
Oliver, Charles, Woolwich, England. Device for testing electric currents.....	755,382	Mar. 22	4246	938	109	977
Oliver, Charles D. (See Oliver, Harry and C. D.)						
Oliver Chilled Plow Works. (See Davis, Calvin R., assignor.)						
Oliver, Dew R. (See Bryson, James L., assignor.)						
Oliver, Doctor F., San Francisco, Cal. Extension-table.....	760,553	May 24	3907	830 831	110	980
Oliver, Frank S., Newport, Vt. Fire-escape.....	765,675	July 26	3562	754	111	830
Oliver, Frederick W., Oswego, N. Y. Compound vehicle-wheel.....	771,171	Sept. 27	3919	827	112	930
Oliver, George W. (See Oliver, Oscar P., assignor.)						
Oliver, Harry and C. D., New York, N. Y. Fireproof floor and ceiling construction.....	763,690	June 28	4097	892	110	2389
Oliver, John B., Oklahoma, Okla. Ter. Artificial-stone-making machine.....	764,621	July 12	1491	305	111	343
Oliver Mill Company. (See Thame, James, assignor.)						
Oliver, Oscar P., assignor to three-fourths to G. W. Oliver, Seattle, Wash. Hat-crease retainer.....	761,601	May 31	5976	1283	110	1398
Oliver Typewriter Company. (See Knapp, Theron L., assignor.)						
Olivetti, Camillo. (See Arcloni, Vittorio, assignor.)						
Olmstead, Chauncey L., assignor to Olmstead-Quabog Corset Company, West Brookfield, Mass. Corset.....	773,807	Nov. 1	512	111	113	119
Olmstead-Quabog Corset Company. (See Olmstead, Chauncey L., assignor.)						
Olmstead, William H. (See Coney and Olmstead.)						
Olmstead, William H., and J. D. Coney, Detroit, Mich. Garment-hanger.....	756,978	Apr. 12	1526	335	109	1682
Oney, Allan E., Boston, Mass. Engine.....	759,828	May 10	2516	526	110	584
Oney, James B., New York, assignor to one-half to J. H. Bell, Brooklyn, N. Y. Composition for bowling-balls, &c.....	766,839	Aug. 9	1451	321	111	1390
Oney, Stephen C., et al. (See Cross, Marion S., assignor.)						
Olsen, John B., and W. J. Fennell, Milwaukee, Wis. Shade-mounting.....	763,319	June 21	3359	729	110	2210
Olsen, Monrak, Chicago, Ill. (See Olsen, George P., assignor.)						
Olsen, Ole E., Fremont, Nebr. Sieve-adjuster for threshing-machines.....	769,764	Sept. 13	1193	257	112	287
Olson, Andrew, Cromwell, Conn. Stringed musical instrument.....	767,656	Aug. 16	3078	643 644	111	1759
Olson, Andrew K., Hubbard, Oreg. Spoke-puller.....	770,474	Sept. 20	2543	542	112	607
Olson, Carl A., St. Paul, Minn. Car-coupling.....	752,855	Feb. 23	3935	883	108	1966
Olson, Charles, Des Moines, Iowa, assignor, by mesne assignments, to Woven Wire Rubber Company, Vehicle-tire.....	772,818	Oct. 18	3200	702	112	1691
Olson, Charles F., et al. (See Neubauer, Carl E., assignor.)						
Olson, Gustav A., Albert Lea, Minn. Shock-compressor.....	754,004	Mar. 8	1570	351	109	362
Olson, Hans O., Two Harbors, assignor of one-half to W. E. Lawrence and H. H. McNamara, Duluth, Minn. Bolt-heading machine.....	757,409	Apr. 12	2894	520 521	109	1867
Olson, John A., Minneapolis, Minn., assignor to Temperature Annunciator Company. Fire-alarm or temperature-annunciator.....	754,005	Mar. 8	1572	351	109	363

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Olson, John P., near Tacoma, Wash. Raker gage and jointer.....	749,090	Jan. 5	1090	280	108	251
Olson, John W. (See Olson, Olof E., assignor.)						
Olson, Mauritz. (See Soderholm and Olson.)						
Olson, Nels, Avondale, Ala. Mail-bag holder.....	767,428	Aug. 16	2616	551	111	1655
Olson, Ole, Neenah, Wis. Gudgeon.....	777,264	Dec. 13	1567	350	113	1790
Olson, Oliver, Valparaiso, Nebr. Wagon.....	768,141	Aug. 23	4118	866	111	2009
Olson, Olof E., assignor of one-half to J. W. Olson, Kansas City, Mo. Lawn-edging tool.	773,095	Oct. 25	3867	826	112	1856
Olson, Otto F. (See Huertel and Olson.)						
Olson, Peter O., South Chicago, Ill. Transfer-spout for grain, ore, or the like.....	756,519	Apr. 5	644	139	109	1477
Olson, William, Jersey City, N. J. Electric striking-clock.....	749,495	Jan. 12	1962	407 408	108	459
Olsson, Georg O. M., Stockholm, Sweden, assignor to De Laval Steam Turbine Company. Apparatus for regulating the speed of steam-turbines. (Reissue.)	12,285	Nov. 15	3531	744	113	896
Olsson, Maria, Rock Island, Ill. Combination collar-fastener.....	753,162	Mar. 22	3223	845	109	888
Olsson, Nels, La Crosse, Wis. Pipe-organ attachment.....	777,133	Dec. 13	1340	296	113	1740
Omior, Reinhart, Pittsburg, Pa. Hat-pin.....	749,948	Jan. 19	2387	606	108	668
Onda, Miyagoro, Nagoya, Japan. Manufacture of sulfid of aluminium and alloys of aluminium.....	760,554	May 24	3910	831	110	981
Onderdonk, John P., Philadelphia, Pa. Paper-bag machine.....	760,013	May 17	2867	600	110	680
Onderdonk, Lansing, Winthrop, Mass., assignor to Union Special Sewing Machine Company, Chicago, Ill. Looper mechanism for sewing-machines.....	775,014	Nov. 15	2903	620	113	686
Ondo, George, Delancey, Pa. Electric trolley.....	766,650	Aug. 2	1048	220	111	1273
Ong, Harlon F., Wendling, Oreg. Grip-wheel.....	752,997	Feb. 23	4244	945 946	108	2037
Onstott, James L., et al. (See Sharpneck, William S., assignor.)						
Oor, Lucien, New York, N. Y. Frame for grand pianos.....	765,987	July 26	4173	890	111	948
Oostdyk, Anthony J., assignor to Parke, Davis & Company, Detroit, Mich. Case for carboys.....	751,804	Feb. 9	1898	430	108	1481
Oosting, John P., Holland, Mich. Mold for construction of solid brick or stone.....	760,803	May 24	4439	944	110	1043
Oothout, Howard H., and W. F. Stahl, Toledo, Ohio. Telephone-support.....	757,340	Apr. 12	2257	492	109	1840
Oozer Manufacturing Company. (See Lawrence, William E., assignor.)						
Opalite Tile Company. (See McClintock, Krause, and Beebe, assignors.)						
Opalla, Arthur, Chicago, Ill. Loose-leaf binder.....	753,805	Mar. 1	1169	263	109	231
Opdahl, Helge H., Jr., Minneapolis, Minn. Draft-board.....	769,765	Sept. 13	1194	257	112	287
Oppenheim, James, New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.....	767,429	Aug. 16	2617	552	111	1656
Oppenheim, Julius H. (See Lucas, Jonathan, assignor.)						
Oppenheim, Paul, New York, N. Y. Gate.....	758,559	Apr. 26	4685	1010	109	2406
Oppenheim, Rudolph, Dixon, Ill. Expressing-machine.....	774,630	Nov. 8	1906	414	113	441
Oppermann, Georg, Hanover, Germany, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake.....	772,908	Oct. 18	3400	738	112	1732
Oppermann, Georg, Hanover, Germany, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake.....	772,904	Oct. 18	3402	739	112	1732
Oppl, Valentin, Cleveland, Ohio. Beer-cooling apparatus.....	760,144	May 17	3140	656	110	740
Opische Anstalt, C. P. Goetz Aktiengesellschaft. (See Urban, Franz, assignor.)						
Orbison, James B., San Francisco, Cal. Machine-tool stop.....	767,592	Aug. 16	2957	619	111	1734
Ordinance Improvement Company. (See Gerdom, Gregory, assignor.)						
Ordway, Charles, New York, N. Y. Vacuum evaporating apparatus.....	755,529	Mar. 22	4493	998 999	109	1028
Ordway, Charles, Brooklyn, N. Y. Vacuum evaporating apparatus.....	775,577	Nov. 22	4164	878	113	995
Orewiler, Benjamin F., Chicago, Ill. Garment-supporting stud.....	758,929	Mar. 8	700	140	110	164
Organ Power Company. (See Spencer, Ira H., assignor.)						
Orleans, Peter, Dusseldorf, Germany. Garment-fastening.....	755,037	Mar. 22	3612	792	109	841
Ormand, David. (See Martin, Joseph H., assignor.)						
Ormond, Thomas F., Huntsville, Ala. Baling-press.....	754,493	Mar. 15	2587	561 562	109	601
Ormsbee, William W., Jr., Kaukauna, Wis. Envelop.....	768,340	Aug. 23	4497	945	111	2091
Ormsby, Erie S., Chicago, Ill. Furnace.....	775,390	Nov. 29	4842	1025	113	1158
Ormsby, Erie S., Chicago, Ill. Furnace.....	776,539	Dec. 6	142	33	113	1457
Ormsby, Henry J., Eureka, Kans. Bridle-bit.....	767,117	Aug. 9	2029	422	111	1511
Orndorf, Camern E., Ligonier, assignor of one-half to L. S. Smith & Son, Pittsburg, Pa. Controlling device for vulcanizers or like apparatus.....	752,703	Feb. 23	3646	812 813	108	1903
Ornstien, Frederick S., Kensington, Victoria, Australia. Apparatus for use in the manufacture of wheel-tire covers.....	766,194	Aug. 2	80	14, 15	111	1059
Ornstien, Frederick S., Kensington, Victoria, Australia. Shaping rubber wheel-tires.....	767,430	Aug. 16	2629	553	111	1639
Orr, Francis L., Thurman, assignor of one-half to W. W. Keyser, Percival, Iowa. Automatic electric pump.....	750,115	Jan. 19	3149	677	108	738
Orr, Homer L., Greeley, Colo. Mineral-separator.....	758,464	Apr. 26	4498	966 967	109	2364
Orr, John. (See Gottshalk, John B., assignor.)						
Orr & Lockett Hardware Co. (See Lockett, Kenny, Stimebach, and Udell, assignors.)						
Ortega, Emile C. (See Knapp and Ortega.)						
Orenbach & Vogel. (See Vogel, Ernst, assignor.)						
Orth, Peter A., Menno, S. D. Tongue or clamp.....	753,620	Mar. 1	764	170	109	166
Orthwein, Max R. (See Butcher, James M., assignor.)						
Ortiz, Christobal M. (See Burbao, Juan G. H., assignor.)						
Ortman, Carl F., Martinton, Ill. Tongue-support and side-draft check for grain or grass harvesters.....	750,116	Jan. 19	3151	677	108	738
Ortman, John H. W., and C. W. Herbst, Hamburg, Germany. Bottle-filling machine.....	775,307	Nov. 22	3559	750 751	113	860
Ortner, Johann, assignor of one-third to H. H. Rippe, Cleveland, Ohio. Wheel-fender.....	766,195	Aug. 2	82	15	111	1059
Ortner, John E., Newark, N. J. Bag-frame section.....	773,888	Nov. 1	711	150	113	163
Ort, Rowley K., Reading, Pa. Trolley.....	762,749	June 14	2250	490	110	1943
Ortwein, Ernst, Ludwigshafen-on-the-Rhine, Germany. Horizontal water-wheel.....	758,465	Apr. 26	4500	967	109	2365
Osborn, Alden E., New York, N. Y. Transmission-gear.....	773,414	Oct. 25	4605	972 973	112	2020
Osborn, Benjamin A. (See Chapman and Osborn.)						
Osborn, Francis C., et al. (See Vaughn, Wilbur J., assignor.)						
Osborn, Francis C., Detroit, Mich., assignor to National Cash Register Company, Jersey City, N. J. Ticket-printing machine.....	752,704	Feb. 23	3651	813	108	1905
Osborn, Francis C., Detroit, Mich., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,096	Oct. 25	3869	826 827	112	1856
Osborn, Francis C., assignor of two-thirds to S. J. Wilson, J. M. Sweeney, and O. B. Marx, Detroit, Mich. Electric recorder.....	767,525	Aug. 16	2821	590	111	1702
Osborn, George L., Boston, Mass. Feed-wire connection.....	762,840	June 14	2449	531	110	1988

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Osborn, Henry C., Cleveland, Ohio. Circulating system for automobiles	752,856	Feb. 23	3936	883	108	1966
Osborn, Hiron S. (See Mayo, Robert D. and R. D., assignors.)						
Osborn Manufacturing Company. (See Nielson, Henry, assignor.)						
Osborn, Oliver L., St. Louis, Mo. Spring map-roller cane	764,301	July 5	785	161	111	173
Osborn, William H., Louisville, Ky. Water-closet	753,922	Mar. 29	3300	1170	109	1225
Osborn, Winfield S., Remington, Ind. Wrench	751,936	Feb. 9	2155	486	108	1537
Osborne, Eugene F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Superheating steam	762,248	June 7	1200	258	110	1700
Osborne, John H., Anderson, Ind. Scale-dial	776,981	Dec. 6	939	201	113	1033
Osborne, John W., Winchester, Ill. Insulator	757,765	Apr. 19	3115	679	109	2040
Osborne, John W., Exeter, assignor to W. McCaleb, Bluffs, Ill. Switch mechanism	749,626	Jan. 12	2184	459	108	509
Osborne, John W., assignor of three-fourths to C. Smithson and S. Hainsfurther, Winchester, Ill. Filtering-machine	751,805	Feb. 9	1900	430 431	108	1481
Osborne Steam Engineering Company. (See Osborne, Eugene F., assignor.)						
Osborne, Wilbur F. and C. A. Kelly, assignors to Union Fabric Company, Ansonia, Conn. Machine for covering dress-stay	767,708	Aug. 16	3169	663 664	111	1780
Osborne, William S., St. Louis, Mo. Pneumatic grading or separating system	764,671	July 12	1601	327	111	867
Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster and Company. Device for controlling the supply of steam to feed-water heaters	752,998	Feb. 23	4246	946	108	2037
Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster and Company. Oil-separator	752,999	Feb. 23	4247	946	108	2037
Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster and Company. Apparatus for controlling the discharge of drips from oil-separators	767,709	Aug. 16	3170	664	111	1780
Osborn, Emory W., Rochester, N. Y. Mixing and kneading machine	753,621	Mar. 1	766	170	109	166
Oscanyan, Paul C. (See Farrand and Oscanyan.)						
Oscanyan, Paul C., Newark, assignor of one-half to G. A. Thomson, Somerville, N. J., and Adams-Bagnall Electric Company, Cleveland, Ohio. Steam-turbine	778,326	Dec. 27	3693	806	113	2272
Oscar C. Rixson Co. (See Rixson, Oscar C., assignor.)						
Oscar Lear Automobile Company. (See Frayer, Lee A., assignor.)						
Oschatz, Hermann, Floersgehofen, near Erfurt, Germany. Means for securing heads of drums, tambourines, rackets, or the like in position	772,748	Oct. 18	3100	676	112	1665
Oschger, Charles E. (See Conner and Oschger.)						
Oschger, Charles E., assignor of two-fifths to R. S. McManus, Pittsburg, Pa. Plunger-elevator	763,782	June 28	4276	931	110	2428
Osgood, Alfred G., Athol, Mass. Valve	762,436	June 14	1599	348 349	110	1805
Osgood, George W., St. Charles, Ill. Ash-shifter for furnaces or the like	751,197	Feb. 2	770	175	108	1222
Osgood, Ralph R., Troy, N. Y. Dredge	751,937	Feb. 9	2157	487 488	108	1537
Osha, Frank, Linton, Ind. Automatic bumper for use in coal-mining	768,681	Aug. 30	5241	1102	111	2276
Osius, Frederick J., Racine, Wis. Show-case window	774,268	Nov. 8	1420	303 304	113	337
Osman, Isaac E., Greensburg, Ind. Damper-regulator for steam-boilers	752,581	Feb. 16	3354	755	108	1829
Osse, Charles, and S. A. Ewalt, Baltimore, Md. Non-refillable bottle	771,568	Oct. 4	693	154	112	1017
Osswald, Herman, New York, N. Y. Power-press	769,955	Sept. 13	1555	331 333	112	368
Osswald, Herman, New York, N. Y. Power-press	772,113	Oct. 11	1810	401 402	112	1363
Ost, William, Newark, N. J. Pneumatic hose-collar	761,989	June 7	736	150	110	1600
Osteen, Percy C., Hendersonville, N. C. Hose-coupling	753,096	Feb. 23	4428	985	108	2078
Osten, James H., White City, Kan., assignor of two-thirds to R. G. Osten and J. Walker. Road grading and scraping machine	754,087	Mar. 8	1729	385	109	396
Osten, Robert G., et al. (See Osten, James H., assignor.)						
Ostergren, Oscar P., New York, N. Y., assignor, by mesne assignments, to Fuel Oil Power Company. Internal-combustion engine	752,410	Feb. 16	3071	681 682	108	1759
Ostergren, Oscar P., New York, N. Y., assignor, by mesne assignments, to Fuel Oil Power Company. Internal-combustion engine. (Reissue)	12,249	July 26	4536	969 970	111	1026
Ostergren, Oscar P., assignor to Fuel Oil Power Company, New York, N. Y. Internal-combustion engine	771,320	Oct. 4	194	42, 43	112	1002
Osterle, Fredrick, Pittsburg, Pa. Sewer-trap	756,046	Mar. 29	5526	1218	109	1275
Osthelder, Franz. (See Julius and Osthelder.)						
Ostrander, Joseph H., Ticonderoga, N. Y. Centrifugal machine	754,796	Mar. 15	3166	689	109	725
Ostrander, Joseph H., Ticonderoga, N. Y. Felt-spreader	754,797	Mar. 15	3167	690	109	726
Ostrom, Freeland W., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Cloth-clamp for buttonhole-sewing machines	776,347	Nov. 29	5662	1199	118	1846
Ostrum, John M. (See Gheen, Amner L., assignor.)						
Ostrum, Orville C., Livingston Manor, N. Y. Wagon-brake	774,364	Nov. 8	1596	342	113	376
Ostwald, Wilhelm, and O. Gros, Leipzig, Germany. Reproducing pictures or the like	770,533	Sept. 20	2660		112	634
Ostwald, Wilhelm, and O. Gros, Leipzig, Germany. Developing catalytic pictures	770,534	Sept. 20	2663		112	634
Osvetinsky, John, Kamishlov, Russia. Rotary motor	777,392	Dec. 13	1638	394	113	1895
Oswald, William, Kalamazoo, Mich. Vehicle-wheel	759,124	May 3	1060	215	110	241
Oswego Machine Works. (See Wadhams, Darius T., assignor.)						
Other, John C., St. Louis, Mo. Fire-escape	751,870	Feb. 9	2024	453	108	1508
Otis Elevator Company. (See Baldwin, Cyrus W., assignor.)						
Otis Elevator Company. (See Baxter, William Jr., assignor.)						
Otis Elevator Company. (See Bollman, George W., assignor.)						
Otis Elevator Company. (See Brown, Thomas E., assignor.)						
Otis Elevator Company. (See Carichoff, Eugene R., assignor.)						
Otis Elevator Company. (See Clark, Eugene B., 2d, assignor.)						
Otis Elevator Company. (See Dickinson, William N., Jr., assignor.)						
Otis Elevator Company. (See Fraser, Ethelbert M., assignor.)						
Otis Elevator Company. (See Hultgren, William H., assignor.)						
Otis Elevator Company. (See Ihlder, John D., assignor.)						
Otis Elevator Company. (See Reynolds, George H., assignor.)						
Otis Elevator Company. (See Sundh, August, assignor.)						
Otis Elevator Company. (See Sundh and Lindquist, assignors.)						
Otis Elevator Company. (See Venn, Isaac H., assignor.)						
Otis, Frederic W., Orange, Conn. Mechanism for forming spoons	765,988	July 26	4174	891	111	948
Otis, George A., Buffalo, N. Y. Feed-water heater	774,992	Nov. 15	2865	611 612	113	678
Otis, George W., and R. W. Huettl, Dale, Wis. Wrench	767,311	Aug. 9	2389	500	111	1588
Otis, Spencer, Chicago, Ill., assignor to National Coal Dump Car Company, Rapid City, S. D. Mechanism for operating dump-car doors	767,312	Aug. 9	2391	500	111	1588
Otis, Spencer, Chicago, Ill., assignor to National Coal Dump Car Company, Rapid City, S. D., and Chicago, Ill. Dump-car	767,657	Aug. 16	3080	644	111	1760

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Ott, Annie M., Denver, Colo. Skirt-supporter	757,672	Apr. 19	2942	638	109	2008
Ott, Charles A., Lincoln, R. I. Safety stop device for stationary steam-engines	762,249	June 7	1202	258	110	1700
Ott, Charles W., Pittsburg, Kans. Clothes-line holder and tightener	775,931	Nov. 23	4844	1025	113	1158
Ott, Edward, Johnstown, Pa., assignor to Lorain Steel Company. Railway-track structure	762,342	June 14	1409	304	110	1765
Ott, Frederick, Woonsocket, R. I. Warping-machine	757,491	Apr. 19	2560	563	109	1918
Ott, Frederick, Woonsocket, R. I. Shuttle-check for looms	775,308	Nov. 22	3563	751	113	861
Ott, George J., et al. (See Brightwell, Amazon W., assignor.)						
Ott, Gustav, Cleveland, assignor of one-half to W. C. P. Ott, Ashland, Ohio. Range-oven	759,188	May 3	1187	242	110	268
Ott, Henry, Ottawa, Kans. Box-lid holder	773,156	Oct. 25	4057	881	112	1901
Ott, James I., Chicago, Ill. Track-rail-supporting post for dry-kilns	765,750	July 26	3719	794	111	850
Ott, James I., Chicago, Ill. Bunk or truck for lumber-driers	765,751	July 26	3721	794	111	851
Ott, Theodore, Strasburg, Germany. Glass decoration with flat surface	765,192	July 19	2598	543	111	598
Ott, William C. P. (See Ott, Gustav, assignor.)						
Otte, Albert E. C., Cincinnati, Ohio. Ear-hook	758,690	May 3	147	31	110	36
Ottenheimer, Fanny K., New York, N. Y. Shirt-waist holder and skirt-supporter	760,010	Aug. 30	5902	1237	111	2427
Otterman, Arthur R., Bridgeville, Pa., assignor of one-half to Otterman Manufacturing Company. Whiffletree-hook	766,114	July 26	4428	948	111	1002
Otterman Manufacturing Company. (See Otterman, Arthur R., assignor.)						
Otto, Albert W., Osgood Station, Canada. Feed-guide for printing-machines	762,343	June 14	1411	305	110	1765
Otto, August F., Philadelphia, Pa. Dumping-wagon	756,400	Apr. 5	421	87	109	1433
Otto, Benjamin J., Waukau, assignor of one-third to E. D. Otto, Rush Lake, Wis. Device for weeding and thinning out plants	759,393	May 10	1674	338	110	399
Otto, Edwin D. (See Otto, Benjamin J., assignor.)						
Ottow, Charles G., and I. H. Melvin, Laurel, Del. Electric block-signaling and telephoning system for railways	759,741	May 10	2328	485	110	543
Ottow, Charles G., and I. H. Melvin, Laurel, Del. Signaling system for railways	773,415	Oct. 25	4609	973	112	2022
Ouillié, Adrien, assignor to himself and I. Lambert, Paris, France. Non-refillable bottle	737,955	Apr. 19	3473	751 752	109	2121
Oursler, Howard B., Pittsburg, Pa. Scaffold-ladder	760,239	May 17	3315	696	110	780
Owens, Louis, South Wmbleton, England. Hair-pin	756,091	Apr. 5	949	209	109	1545
Outerbridge, Alexander E., Jr., Philadelphia, Pa., assignor to William Sellers and Company, Incorporated. Translucent color-comparator or color-screen	764,622	July 12	1493	305	111	343
Oven, John H. G. von, and J. C. Boesch, Charleston, S. C. Cotton-gin	748,780	Jan. 5	414	95	108	93
Oven, John von, and J. C. Boesch, Charleston, S. C. Decorticating-machine	761,096	May 31	5049	1071 1072	110	1193
Ovens, Isaac, East Selkirk, Canada. Sharpening device for disk plows	767,710	Aug. 16	3172	664	111	1781
Overy, Frank A., Columbus, Ohio. Trolley	760,079	May 17	3990	625	110	709
Overholt, Frank M., Minneapolis, Minn. Engine	760,340	May 17	3316	696	110	780
Overholt, Frank M., Minneapolis, Minn. Exhaust-head	774,531	Nov. 8	1907	414	113	441
Overlach, Martin, Greiz, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Pyrazolone compound and making same	768,398	Aug. 23	4645		111	2131
Overs, Curtis E., Ashland, Ohio. Can-opener	759,908	May 17	2657	557	110	632
Overstrom Concentrator Company. (See Overstrom, Gustave A., assignor.)						
Overstrom, Gustave A., Anaconda, Mont. Concentrating-table	768,783	June 28	4278	931 932	110	2429
Overstrom, Gustave A., Anaconda, assignor to Overstrom Concentrator Company, Butte, Mont. Concentrating-table	763,784	June 28	4286	933	110	2430
Overstrom, Gustave A., Anaconda, assignor to Overstrom Concentrator Company, Butte, Mont. Actuating mechanism for concentrating-tables	763,785	June 28	4289	933 934	110	2431
Overstrom, Gustave A., Anaconda, assignor to Overstrom Concentrator Company, Butte, Mont. Ore-concentrating table	763,786	June 28	4294	934	110	2432
Overstrom, Gustave A., Chicago, Ill. assignor to Overstrom Concentrator Company, Butte, Mont. Ore-concentrating table	763,787	June 28	4298	934	110	2432
Overton, Charles C., New York, N. Y. Cooking device	764,496	July 5	1203	247	111	264
Oviatt, Ellen M., and A. Dean, Denver, Colo. Electromagnetic ore-separator	751,100	Feb. 2	583	138	108	1185
Oviatt, Solomon E., Lansing, Mich. Vehicle-spring and coupling-plate	770,776	Sept. 27	3121	662	112	754
Ow, Alexander, New Brighton, Pa. Leg-fastening	749,877	Jan. 5	614	198	108	137
Owen, Bert A. (See Mallonee, Joseph C., assignor.)						
Owen, Boyd M., Wilkesbarre, Pa. Invalid rocking-chair	754,088	Mar. 8	1732	386	109	397
Owen, Charles N., Mechanicsburg, Pa. Portable elevator	760,555	May 24	3912	831	110	931
Owen, George A., Springfield, Mass. Wind-direction and wind-velocity indicating apparatus	764,759	July 12	1771	362	111	403
Owen, Henry A., assignor to Whitin Machine Works, Incorporated, Whitinsville, Mass. Spinning-machine	777,915	Dec. 20	2892	636 637	113	3085
Owen, Logan, Macon, Ga. Roving-guide traverse-motion	770,440	Sept. 20	2470	524	112	591
Owen, Oscar L., assignor to Whitin Machine Works, Incorporated, Whitinsville, Mass. Shedding mechanism for looms	757,141	Apr. 12	1856	406	109	1755
Owen, Roland L., and R. O. Le Baron, Pontiac, Mich. Compressed-air supply for electric vehicles	769,565	Sept. 6	889	177	112	187
Owen, Thomas R., assignor to H. L. Cutter, Los Angeles, Cal. Hygienic appliance for sound-transmitters	768,768	Aug. 30	5403	1138	111	2314
Owen, Video S. L., Adrian, Minn. Stereoscopic apparatus	768,788	June 28	4302	935	110	2433
Owen, W. L. (See O'Neill, Patrick, assignor.)						
Owen, William B., et al. (See Powell, William G., assignor.)						
Owen, William C., Ealing, England. Elevated platform or support for motor-vehicles, &c.	777,219	Dec. 13	1488	329	113	1772
Owen, William N., Conway, Ark. Automatic signaling system for railways	768,420	June 28	3613	778	110	2286
Owen, Willis H., Catawba Island, Ohio. Spraying-spar	753,730	Mar. 1	989	324	109	213
Owens, Charles, New York, N. Y. Cutting mechanism for wrapping-machines	768,070	Aug. 23	3936	825	111	1908
Owens, Charles, Chattanooga, Tenn. Vibrator instrument	772,252	Oct. 11	2109	461	112	1429
Owens, Charles, Chattanooga, Tenn. Folding and wrapping machine	772,474	Oct. 18	2566	564	112	1551
Owens, Charles, assignor of one-half to D. P. Montague, Chattanooga, Tenn. Movement-cure apparatus	752,252	Feb. 16	2761	612	108	1693
Owens, Charles, assignor of one-half to D. P. Montague, Chattanooga, Tenn. Magazine-wrapping device	772,698	Oct. 18	2854	625	112	1612
Owens, Edward C., Erieburg, Pa. Miner's squib	774,269	Nov. 8	1432	304	113	337
Owens, James P., Weatherford, Tex. Latch	759,009	May 3	845	171	110	194
Owens, John A., Moultrie, Ga. Clothes-steamer	750,483	Jan. 26	3830	832	108	902
Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Blowing glass	759,742	May 10	2330	486	110	543
Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Fire-finishing machine	761,178	May 31	5194	1104 273	110	1224
Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Glass-shaping machine	766,768	Aug. 2	1284	274 275 276	111	1326
Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Glass melting and shaping device	774,690	Nov. 8	2199	481	113	504

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Machine for filling leers	774,691	Nov. 8	2204	481	113	505
Owens, Michael J., assignor to Toledo Glass Company, Toledo, Ohio. Leer	774,692	Nov. 8	2206	481	113	506
Owens, Moses. (See Allendorfer and Owens.)						
Owens, Solon A., Young, Tex. Clothes-line	759,394	May 10	1675	389	110	399
Owens, Thomas D., Jr., Pittsburg, Pa. Scoop	748,878	Jan. 5	616	188	108	138
Oxley Enos Company. (See Hopton, Lemuel R., assignor.)						
Ozee, Joseph M., St. Louis, Mo. Mold	767,829	Aug. 16	3410	719	111	1831
Ozias, Albert N., Minneapolis, Minn. Spring-balance scale	776,754	Dec. 6	582	127	113	1554
Ozias, Orange O., Dayton, Ohio. Spring-balance scale	756,274	Apr. 5	159	33	109	1377
Ozon Maatschappij, System A. Vosmaer. (See Vosmaer and Lebre, assignors.)						
P. Hayden Saddlery Hardware Co. (See Scott, Wesley M., assignor.)						
P. Bently & Son. (See Peil, Charles H., assignor.)						
P. & F. Corbin. (See Arens, August, assignor.)						
P. & F. Corbin. (See Arens and Teich, assignors.)						
P. & F. Corbin. (See Gilbert, Wilbur F., assignor.)						
P. & F. Corbin. (See Henry, William K., assignor.)						
P. & F. Corbin. (See Munro, William C., assignor.)						
Paar, Henry, assignor of one-half to A. Vignos, Canton, Ohio. Horseshoe-calk	767,711	Aug. 16	3173	664	111	1781
Paar, Reinhold H., Carthage, Mo. Watchcase-opener	769,873	Sept. 13	1404	299	112	335
Paar, Reinhold H., Carthage, Mo. Bait-bucket	769,874	Sept. 13	1405	299	112	335
Pabst Brewing Company. (See Clasmann, William, assignor.)						
Pace, Franklin G., Clarinda, Iowa. Unloading device	758,274	Apr. 26	4117	890	109	2279
Pacific Metal Works. (See Lotz, Augustus, assignor.)						
Pacini, Ottaviano, Pistoja, Italy. Means for changing the tracks of tramways or railways having movable rails	762,191	June 7	1092	231	110	1676
Pack, John W., Berkeley, Cal. Blast-furnace	734,337	Mar. 8	2188	486	109	495
Packard, Fred H., Brockton, Mass. Toe-tip measure	732,798	Feb. 23	3821	857	108	1942
Packard, James W., assignor to Packard Motor Car Company, Warren, Ohio. Clutch	739,321	Sept. 6	371	85	112	80
Packard, James W., assignor to Packard Motor Car Company, Warren, Ohio. Sparking igniter device for hydrocarbon-engines	775,932	Nov. 29	4846	1026	113	1159
Packard, James W., and W. A. Hatcher, assignors to Packard Motor Car Company, Warren, Ohio. Motor vehicle	749,744	Jan. 19	2452	521	108	583
Packard, James W., and W. A. Hatcher, assignors to Ohio Automobile Company, Warren, Ohio. Braking mechanism for motor-vehicles	732,582	Feb. 16	3887	756	108	1829
Packard, James W., and W. A. Hatcher, assignors to Ohio Automobile Company, Warren, Ohio. Controlling mechanism for motor-vehicles	773,097	Oct. 25	3876	828	112	1857
Packard, John E., Los Angeles, Cal. Bracket-stand for slot or other machines	772,744	Oct. 18	3101	676	112	1665
Packard, John E., assignor to Multi-Vending Company, Chicago, Ill. Ejector for vending-machines	766,968	Aug. 9	1733	364	111	1447
Packard Motor Car Company. (See Packard, James W., assignor.)						
Packard Motor Car Company. (See Packard and Hatcher, assignors.)						
Packard Motor Car Company. (See Schmidt, Charles, assignor.)						
Packard, William D., Warren, Ohio. Acetylene-gas generator	748,781	Jan. 5	416	95, 96	108	93
Packer, Charles L., Wilton Junction, Iowa. Wire-reeling apparatus	754,006	Mar. 8	1374	351	109	363
Packer, Edson W., assignor of one-half to Edson W. Packer, Jr., Mace, Idaho. Miner's candlestick	760,398	May 17	3595	758	110	842
Packer, Eli, Des Moines, Iowa. Shaft for vehicles	750,685	Jan. 26	4209	825	108	980
				826		
				827		
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				830		
				831		
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				86	112	80
				87		
Packer, George W., Chicago, Ill. Foundry system	769,322	Sept. 6	372			
Packer, George W., deceased, Chicago, Ill.; M. A. Packer, administratrix. Apparatus for tempering molders' sand	762,596	June 14	1933	417	110	1876
Packer, George W., deceased, Chicago, Ill.; M. A. Packer, administratrix. Tempering molders' sand	762,597	June 14	1935	417	110	1877
				418		
Packer, Margaret A., administratrix. (See Packer, George W.)						
Packer, Willard N., assignor to Shelby Specialty Company, Shelby, Ohio. Combined sash lift and fastener	769,011	Aug. 30	5903	1237	111	2427
Packer, Willard N., assignor to Shelby Specialty Company, Shelby, Ohio. Ventilating sash-lock	769,012	Aug. 30	5905	1238	111	2427
Packer, Willard N., assignor to Shelby Specialty Company, Shelby, Ohio. Sash-pulley	769,109	Aug. 30	6095	1275	111	2468
Packham, Frank R., Springfield, Ohio, assignor to American Seeding Machine Company, Jersey City, N. J. Distributor for grain-drills	775,851	Nov. 22	4690	968	113	1107
Packham, Frank R., and G. P. Oates, Springfield, Ohio, assignors to American Seeding Machine Company, Jersey City, N. J. Distributor for grain-drills	776,199	Nov. 29	5377	1133	113	1281
Packman, Chas. E. (See Gordon, Max L., assignor.)						
Padan, Charles W., Chillicothe, Ohio. Lead-pencil	770,777	Sept. 27	3122	662	112	754
Paddleford, Hattie A., (See Hall and Paddleford.)						
Paddock, Stephen C., Malone, N. Y. Garter	771,442	Oct. 4	445	101	112	1052
Paddock, William W., Buffalo, N. Y. Pressure-filter	776,677	Dec. 6	420	93, 94	113	1521
Padfield, William A. (See Settle and Padfield.)						
Padgett, Benjamin F., Laurel, Miss. Lumber-wagon	754,601	Mar. 15	2788	607	109	641
Paduveni, Felix, San Francisco, Cal. Auxiliary fare indicator and protector for street-car registers	758,846	May 3	526	107	110	125
Paff, Charles, San Francisco, Cal. Stem holding and cutting shears	778,140	Dec. 20	3331	731	113	2177
Pagan, Louis, Maubeuge, assignor to Compagnie Duplex, Paris, France. High-speed regulator	749,217	Jan. 12	1372	293	108	336
Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Snap-hook	759,680	May 10	2125	496	110	498
Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Hinge	767,431	Aug. 16	2630	553	111	1659
Page, Calvin S., Des Moines, Iowa. Washing-machine	755,579	Mar. 22	4584	1019	109	1049
Page, Charles L., Chippewa Falls, Wis. Window cleaner and polisher	773,601	Nov. 8	2036	445	113	469
Page, Emmett D. (See Root, Charles A., assignor.)						
Page, Ernest A., Lockhaven, Pa. Governor	760,344	May 17	3498	736	110	820

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Page, Frank C. B., assignor to Air Tight Closure Company, New York, N. Y. Closure for vessels	751,335	Feb. 2	1046	237	108	1280
Page, Frank C. B., assignor to Air Tight Closure Company, New York, N. Y. Closure for vessels	751,404	Feb. 2	1159	264	108	1304
Page, Frank W. (See Partridge, Allen R., assignor.)						
Page, Harlan. (See Burcher, John C., assignor.)						
Page, Henry J., et al. (See Waters, Frank J., assignor.)						
Page, John, Lima, Ohio. Ditching-machine	750,686	Jan. 26	4210	913	108	980
Page, John W. (See Snedeker, James W., assignor.)						
Page, John W., Chicago, Ill. Excavating-shovel	758,380	Apr. 26	4339	931	109	2328
Page, Laura W., administratrix. (See Flynt, Henry.)						
Page, Paul E., St. Louis, Mo. Pole for hanging or taking down pictures, shades, &c.	767,496	Aug. 16	2775	579	111	1693
Page, Peter, Attleboro, Mass. Curtain-fixture	770,605	Sept. 20	2788	592	112	663
Page, Phillip H., Surrey Centre, Canada. Window-sash fastener	752,253	Feb. 16	2764	613	108	1694
Page, Wallace R., North Salem, Ind. Corn-harvester	750,687	Jan. 26	4214	914	108	981
Page, William B., Dixon, Ill. Machine for washing vessels or receptacles	754,494	Mar. 15	2590	662	109	601
Page, William B., and A. E. Hopkins, Dixon, Ill., assignors, by mesne assignments, to Borden's Condensed Milk Company. Wrapping-machine	765,320	July 19	2837	582 593	111	651
Page, William B., and A. E. Hopkins, Dixon, Ill., assignors, by mesne assignments, to Borden's Condensed Milk Company. Caramel cutting and wrapping machine	769,229	Sept. 6	175	42, 43	112	38
Page, William H., Burlington, N. J. Cuff-holder	755,383	Mar. 22	4248	938	109	977
Page, William H., Swedesboro, N. J. Cultivator	767,007	Aug. 9	1800	378	111	1460
Page, Wilson K., Olean, N. Y. Safety-guard	768,480	Aug. 23	4798	1005	111	2163
Pagel, Frederick J. (See Bond, Thomas, Sr., assignor.)						
Pagel, Gustav, Stettin, Germany. Drying plant for bricks	770,186	Sept. 13	1973	419	112	460
Pagetti, Charles H., Lafayette, Ind. Hydraulic engine and pump	752,098	Feb. 16	2464	550	108	1624
Pahl, Leopold F. W., assignor of one-half to H. E. Scherrer, Washington, D. C. Speed-indicator	773,670	Nov. 1	260	58, 59	113	62
Paige, David O., et al. (See Cederstrom, Emil, assignor.)						
Paige, David O., Detroit, Mich., assignor to Pfaunder Vacuum Fermentation Co., Rochester, N. Y. Means for controlling the aeration of fermenting wort	762,936	June 21	2641	572	110	2051
Pain, Robert W., assignor to Aeolian Company, New York, N. Y. Attachment for expression or accent controlling mechanisms for mechanical musical instruments	752,920	Feb. 23	4085	910 911	108	2002
Pain, Robert W., assignor to Aeolian Company, New York, N. Y. Means for regulating the expression of mechanical musical instruments	754,886	Mar. 15	3337	729 730	109	763
Pain, Robert W., assignor to Aeolian Company, New York, N. Y. Accenting mechanism for mechanical musical apparatus	766,516	Aug. 2	762	160 161	111	1207
Pain, Willard S., Meriden, Conn., assignor to Aeolian Company, New York, N. Y. Means for securing end flanges to music-roll spools	765,591	July 19	3375	711	111	765
Pain, Willard S., Meriden, Conn., assignor to Aeolian Company, New York, N. Y. Music-roll for pianolas, &c.	767,830	Aug. 16	3411	720	111	1831
Paine, Charles H. (See Hennessy, George J., assignor.)						
Paine, George H. (See Strubler, Charles G., assignor.)						
Paine, Jedediah C., Wilkesbarre, Pa. Metallic rack-packing	774,490	Nov. 8	1826	396	113	425
Paine, Robert T., Union, N. J. Sculptor's copying-machine	757,383	Apr. 19	3244	704	109	2069
Painter, Arthur, San Francisco, Cal. Cable-traction system	769,399	Sept. 6	516	114	112	116
Painter, George B., Schenectady, N. Y. Automatic reversing tapping-machine	766,376	Aug. 2	462	99	111	1142
Painter, George B., Schenectady, N. Y., assignor to General Electric Company. Socket for incandescent electric lamps	771,569	Oct. 4	694	154	112	1107
Painter, George J. (See Wright and Painter.)						
Painter, Nile J., Rowlesville, Ohio. Kitchen-table	751,101	Feb. 2	585	135	108	1185
Painter, Robert M., Brighton, England. Toy gun	765,786	July 26	3811	812	111	865
Painter, Simon E., Terre Haute, Ind. Valve and valve-seat	755,925	Mar. 29	5305	1171	109	1327
Painter, William A., Allegheny, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp-burner	774,602	Nov. 8	2037	445	113	469
Painter, William A., Allegheny, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Making gallery lift-tubes	778,141	Dec. 20	3333	731	113	2177
Paiste, Henry T., Philadelphia, Pa., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Shade-holding lamp-socket	778,795	Dec. 27	4601	1004	113	2471
Paldi, Joseph D., Brockway, Mich. Fence	771,172	Sept. 27	3920	827	112	930
Paley-Bussey Novelty Chain Egg Beater and Cake Mixer Co. (See Paley and Bussey, assignors.)						
Paley, George, Preston, England. Ring-spinning apparatus	758,275	Apr. 26	4119	891	109	2280
Paley, William V., and T. H. Bussey, assignors to Paley-Bussey Novelty Chain Egg Beater and Cake Mixer Co., Ltd., Charters Towers, Queensland, Australia. Egg-beater	771,088	Sept. 27	3748	790	112	892
Palfrey, Frederick, Macon, Mo. Adjustable shelving-bracket	768,295	Aug. 23	4416	958	111	2074
Palm, Alfred, Ventura, Cal. Lathe attachment	771,997	Oct. 11	1567	851	112	1308
Palm Letter Company. (See Palm and Blomberg, assignors.)						
Palm, Otto, Jr., and W. T. Blomberg, New York, N. Y., assignors to Palm Letter Company, Cincinnati, Ohio. Transferring and etching designs on metal surfaces	753,097	Feb. 23	4428	985	108	2078
Palma Manufacturing Company. (See Markes and Perry, assignors.)						
Palma Manufacturing Company. (See Sander, Charles, assignor.)						
Palmbad, Charles I. (See Travis and Palmbad.)						
Palmenberg, Emil T., assignor to J. R. Palmenberg's Sons, New York, N. Y. Adjustable support	773,972	Nov. 1	878	185	113	201
Palmenberg, Emil T., assignor to J. R. Palmenberg's Sons, New York, N. Y. Display-fixture	773,973	Nov. 1	879	185	113	202
Palmenberg's Sons, J. R. (See Palmenberg, Emil T., assignor.)						
Palmer, Albert D., Pittsburg, Pa., assignor to M. Clark, Chicago, Ill. Controlling device for automatic players	769,013	Aug. 30	5908	1228	111	2428
Palmer, Albert E., Norvell, Mich. Clamping device for glue-presses	755,384	Mar. 22	4249	938 939	109	978
Palmer, Alfred T. (See Hoelscher, Adolph G., assignor.)						
Palmer, Alphonso T., Clyde, Ill. Rail-splice	771,389	Oct. 4	331	73	112	1031
Palmer, Anson N., Syracuse, N. Y. Time-recorder	760,241	May 17	3318	697	110	781
Palmer, Anson N., and W. W. Kimball, Syracuse, N. Y. Ribbon-feeding mechanism for time-recorders	770,241	Sept. 13	2080	437	112	484
Palmer, Benjamin C. (See Cowan and Palmer.)						
Palmer, Cassius C., New York, N. Y., assignor to Railway and Stationary Refrigerating Company. Safety-valve	752,099	Feb. 16	2466	551	108	1625
Palmer, Cassius C., New York, N. Y., assignor to Railway and Stationary Refrigerating Company. Refrigerating apparatus	761,701	June 7	158	30, 31	110	1473
Palmer, Charles M., New London, N. C. Wood-distillation apparatus	754,232	Mar. 8	2005	446	109	457
Palmer, Charles W., St. Louis, Mo. Mail-box	755,088	Mar. 22	3613	792	109	841
Palmer, Cornelius, Escanaba, Mich. Elevated storage-dock	751,000	Feb. 2	406	96	108	1147

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Palmer, Edward H., Reading, Mass. Calculating mechanism.....	764,068	July 5	301	58	111	68
Palmer, Edward H., Reading, Mass. Registering mechanism.....	764,069	July 5	309	60, 61	111	69
Palmer, Edward T., assignor to G. C. Holden, Philadelphia, Pa. Talking-machine.....	758,466	Apr. 26	4501	967	109	2865
Palmer, Franklin D., Poughkeepsie, and A. H. Isham, New York, N. Y.; said Isham assignor to said Palmer. Horseshoe.....	772,050	Oct. 11	1684	375	112	1335
Palmer, Frederick C., New York, N. Y. Bolt-anchor.....	777,134	Dec. 13	1441	257	113	1741
Palmer, Fremont D., Norwich, Conn. Hinged support for window-sash.....	755,311	Mar. 22	4103	906	109	944
Palmer, George C., Wellington, New Zealand. Bandoleer.....	759,123	May 3	1061	215	110	241
Palmer, George C., Rochester, N. H. Knife.....	766,059	July 26	4308	923	111	977
Palmer, George L., Washington, D. C. Tabulating attachment for type-writers or analogous machines.....	755,926	Mar. 29	5307	1171	109	1227
Palmer, Guy D., Powell Valley, Oreg. Indicator for sawmill set-works.....	751,405	Feb. 2	1161	264	108	1304
Palmer, Harmon S., Washington, D. C. Hollow building-block.....	759,010	May 3	847	172	110	195
Palmer, Harry A., Erie, Pa. Vehicle-wheel tire.....	753,426	Mar. 1	392	91	109	86
Palmer, Harry A., Erie, Pa. Pneumatic tire.....	766,463	Aug. 2	385	135	111	1178
Palmer, Henry J., assignor of one-half to C. Robinson, New York, N. Y. Arc-light distributor.....	772,745	Oct. 18	3103	676	112	1666
Palmer, Herbert R., assignor of one-half to E. Fowler, Cleveland, Ohio. Explosive-engine.....	757,632	Apr. 19	2865	624	109	1986
Palmer, Hugh R., Sharpsburg, assignor of one-third to T. E. McCausland, Allegheny, Pa. Valve mechanism for gas-burning furnaces.....	765,901	July 26	4007	855	111	912
Palmer, Isaac E., Middletown, Conn. Hammock.....	751,749	Feb. 2	1387	136	108	1185
Palmer, Isaac E., Middletown, Conn. Hammock.....	756,520	Apr. 5	646	139	109	1478
Palmer, Isaac E., Middletown, Conn. Apparatus for mercerizing.....	765,398	July 19	2994	626	111	684
Palmer, Isaac E., Middletown, Conn. Rinsing-machine.....	766,464	Aug. 2	636	135	111	1178
Palmer, Isaac E., Middletown, Conn. Machine for extracting liquid from fabric.....	766,517	Aug. 2	764	161	111	1234
Palmer, Isaac E., Middletown, Conn. Bedstead-canopy support.....	768,819	Aug. 30	5505	1158	111	2394
Palmer, Isaac E., Middletown, Conn. Apparatus for mercerizing yarn.....	770,920	Sept. 27	3413	719	112	818
Palmer, Isaac E., Middletown, Conn. Turnback canopy support.....	772,174	Oct. 11	1942	750	112	1389
Palmer, Isaac E., Middletown, Conn. Bedstead-canopy support.....	772,175	Oct. 11	1949	429	112	1389
Palmer, Isaac E., Middletown, Conn. Coupling-sleeve.....	772,378	Oct. 18	2764	608	112	1504
Palmer, Isaac E., Middletown, Conn. Coupling for canopy-frames.....	774,393	Nov. 8	1644	353	113	387
Palmer, Isaac E., Middletown, Conn. Turnback-canopy support.....	777,916	Dec. 20	2885	637	113	2069
Palmer, John E., Somerville, Mass. Trolley-wheel.....	751,749	Feb. 2	1388	408	108	1455
Palmer, John H., Washington, D. C. Shaft-locking device.....	771,490	Oct. 4	522	117	112	1069
Palmer, Merritt W., Hamilton, Mich. Beet-puller.....	772,819	Oct. 18	3224	702	112	1692
Palmer, Noah E., Lake, Ind. Shingle-die.....	767,913	Aug. 10	3561	754	111	1865
Palmer, Noyes F., New York, N. Y. Hopper.....	758,681	May 3	149	32	110	36
Palmer, Noyes F., New York, N. Y. Machine for molding artificial stone.....	764,623	July 12	1495	306	111	349
Palmer, Phil H. (See Millard and Palmer.)						
Palmer, Philip C., Kansas City, Mo. Frictional locking-hinge.....	757,492	Apr. 19	2862	562	109	1918
Palmer, Philip S., Spokane, Wash. Combination dividers and calipers.....	762,553	June 14	1569	401	110	1863
Palmer, Richard B., Edwards, Ind. Auger.....	762,750	June 14	2252	491	110	1943
Palmer, Richard P., Bondhill, assignor to W. H. Fisher, Cincinnati, Ohio. Folding tripod.....	757,766	Apr. 19	3115	679	109	2040
Palmer, Stephen, assignor to M. M. Waterman, J. K. P. Pine, J. J. Child, H. E. Northrup, and G. W. Daw, Troy, N. Y. Flexible tube.....	754,936	Mar. 15	3422	748	109	782
Palmer, Stephen A., Kansas City, Mo. Oiling device for refrigerating-machines.....	774,270	Nov. 8	1423	304	113	337
Palmer, Thomas J., Southport, England. Manufacture of molded or embossed panels or the like.....	773,671	Nov. 1	262	59	113	63
Palmer, Thomas J., Southport, England. Manufacture of molded or embossed panels.....	773,889	Nov. 1	713	150	113	164
Palmer, Truman G. (See Cox, Harry B., assignor.)						
Palmer, Truman G., Chicago, Ill. Burlap bag.....	772,629	Oct. 18	2856		112	1613
Palmer, Walter W., Erie, Pa. Envelop-fastener.....	764,252	July 5	693	140	111	153
Palmer, Walter W., Erie, Pa. Low-cut shoe.....	769,766	Sept. 13	1196	257	112	287
Palmer, Wheeler E., Rochester, N. Y. Rail-joint.....	775,382	Nov. 22	4693	993	113	1108
Palmer, William, Jr., Rincon, N. Mex. Ter. Relay-magnet.....	757,341	Apr. 12	2258	492	109	1840
Palmer, William E. (See Hollenbeck and Palmer.)						
Palmros, Alexander, assignor to Jeffrey Manufacturing Company, Columbus, Ohio. Motor-car.....	760,556	May 24	3914	832	110	931
Palmros, Alexander, assignor to Wagner-Palmros Mfg. Co., Fairmont, W. Va. Safety device for cable mine-hauls.....	776,083	Nov. 29	5162	1090	113	1232
Palmros, Alexander, assignor to W. D. Adams, Fairmont, W. Va. Fluid-pressure tool.....	761,602	May 31	5977	1084	110	1398
Pamp, Danne, Philadelphia, Pa. Automatic switch-operating device.....	773,974	Nov. 1	880	186	113	202
Panama Hay Press Company. (See Tuttle, Josiah S., assignor.)						
Pancoast, Richard M., Camden, N. J. Fastening device.....	758,332	Apr. 26	4253	914	109	2310
Panzburn, Martin W., Ballard, Wash. Combined saw gumming and sharpening machine.....	776,255	Nov. 29	5496	1164	113	1369
Pank, Frederick A., Butte, Mont. Acid-proof composition.....	763,421	June 28	3618		110	2257
Pannacker, Abraham C., Philadelphia, assignor of two-thirds to H. B. and H. W. Amerling, Germantown, Pa. Coal-wagon.....	755,806	Mar. 1	1172	263	109	252
Pannkoek, Wilhelm, Berlin, Germany. Apparatus for cutting glass.....	752,017	Feb. 9	2327	520	108	1574
Panosska, Charles, New York, N. Y. Barrel.....	768,539	Aug. 23	4919	1030	111	2180
Pape, Herman G., New York, N. Y. Gas-stove.....	771,321	Oct. 4	199	43	112	1008
Pape, Hermann G., New York, N. Y. Automatic circuit-closer.....	772,291	Oct. 11	2177	475	112	1445
Pape, Hermann G., New York, N. Y. Battery-charging apparatus.....	775,732	Nov. 22	4463	944	113	1060
Pape, Hermann G., Brooklyn, assignor of thirty one-hundredths to J. McVey, New York, N. Y. Audiphone receiver.....	752,705	Feb. 23	3653	813	108	1905
Pape, Hermann G., Brooklyn, assignor of thirty one-hundredths to J. McVey, New York, N. Y. Audiphone receiver.....	752,921	Feb. 23	4087	911	108	2002
Pape, Paul. (See Mehnert and Pape.)						
Papefus, Charles H., assignor of one-third to E. O. Kawalke, Chicago, Ill. Brush.....	771,926	Oct. 11	1422	324	112	1376
Papeux, Alfred, Lyons, France. Tire.....	769,661	Sept. 6	997	216	112	227
Pappenhagen, Charles L., assignor to B. L. Singley, Meadville, Pa. Stereoscope.....	756,692	Apr. 5	951	299	109	1545
Pappenhagen, Charles L., assignor to B. L. Singley, Meadville, Pa. Stereoscope.....	757,052	Apr. 12	1682	365	109	1716
Pappenheim, Victor, Kassel, Germany. Syringe.....	772,114	Oct. 11	1812	402	112	1363
Paradise, Frank H., Denver, Colo. Hose connection.....	758,099	Apr. 26	3779	821	109	2205
Paradise, Frank H., Denver, Colo. Grease-trap.....	771,927	Oct. 11	1423	324	112	1377
Paradis, John B., Bideford, Me. Funnel.....	761,702	June 7	160	31	110	1474

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Paraf-Javal, Mathias. (See Hesse and Paraf-Javal.)						
Parati, Arthur, Norfolk, Va. Smoking-pipe	770,102	Sept. 13	1816	383	112	426
Parcells, Albert L., Boston, Mass. Transforming electrical currents	772,630	Oct. 18	2858	627	112	1613
Pardoe, William A., Devsboro, England.	757,342	Apr. 12	2260	493	109	1840
Pardridge, Albert J., Chicago, Ill. Lamp-reflector	752,583	Feb. 16	3393	736	108	1830
Pareis, Josef, Vienna, Austria-Hungary. Tobacco-pipe	754,338	Mar. 8	2189	496	109	495
Parent, Georges A., Paris, France. System of metallic girders for structures of cement, concrete, or the like	777,742	Dec. 20	2503	552	113	2008
Parent, John. (See Drewsent and Parent.)						
Parfit, Alfred, Topeka, Kans. Steam-boiler	755,530	Mar. 22	4495	999	109	1029
Parish, Graham C., assignor to W. G. Browne Manufacturing Company, Kingston, N. Y. Tack-claw	758,017	Apr. 19	3605	780	109	2149
Parish, Graham C., assignor to W. G. Browne Manufacturing Company, Kingston, N. Y. Can-opener	776,540	Dec. 6	143	33	113	1457
Parish, Neff E., Cleveland, Ohio. Window-frame	762,651	June 14	2046	443	110	1902
Parisien, George, and J. H. Gingras, assignors of one-third to O. Bousquet, Fall River, Mass. Fender	749,878	Jan. 19	2694	576	108	637
Park, Andrew J., Bokchito, Ind. Ter. Railway-signal	773,098	Oct. 25	3881	828	112	1858
Park, Henry J., Angleton, assignor, by mesne assignments, of one-half to R. C. Darrough, Houston, Tex. Pump	755,236	Mar. 22	3958	877	109	914
Park, Ira L. (See Hulbert and Park.)						
Park, John W., Kendallville, Ind. Pump	775,117	Nov. 15	3124	663	113	737
Park Manufacturing Company. (See Park, Thomas M., assignor.)						
Park, Reece W., and C. L. Arnwine, Jacksonville, Tex. Shaking-churn	765,252	July 19	2700	562	111	621
Park, Thomas M., assignor to Park Manufacturing Company, Chicago, Ill. Automatic loading device	767,432	Aug. 16	2630	554	111	1659
Park, Warren G., Avon, Ill. Mold for cement blocks	753,303	Mar. 1	164	37	109	38
Parke, Davis & Company. (See Oostdyk, Anthony J., assignor.)						
Parke, Davis & Company. (See Ryan, Frank G., assignor.)						
Parke, John E., et al. (See Webster, Thomas H., assignor.)						
Parke Manufacturing Company. (See Shee, Parke E. and P. B., assignors.)						
Parke, Peter. (See Stimson and Parke.)						
Parke, Robert A., Minneapolis, Minn., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Quick-action triple valve	761,703	June 7	163	31	110	1475
Parker, Adelbert E., Chicago, Ill. Derrick	760,557	May 24	3917	832	110	932
Parker, Albert L., Rome, N. Y. Curtain-ring	763,691	June 28	4099	892	110	2389
Parker, Alexander, assignor of one-half to F. L. Jackson and E. E. Prior, Dannevirke, Hawke's Bay, New Zealand. Draft, rain, and dust excluder for doors	761,704	June 7	165	31	110	1475
Parker, Arthur M., Los Angeles, Cal. Combined knife-sharpener and can-opener	751,001	Feb. 2	407	96	108	1147
Parker, Arthur T. (See Siedler and Daniel G., assignor.)	778,066	Dec. 20	3188	701	113	2145
Parker, Benjamin, Cotmadai, Victoria, Australia. Means for destroying animals	763,620	Aug. 30	5111	1074	111	2249
Parker Bros. (See Smith, Eldridge J., assignor.)						
Parker, Caleb H., New Orleans, La. Loading and unloading apparatus for building levees or the like	768,682	Aug. 30	5242	1102 1103 1104	111	2276
Parker, Charles, Monroeville, Ohio. Device for automatically applying air-brakes in case of emergency	778,142	Dec. 20	3333	731	113	2175
Parker, Daniel W., and C. E. Ginter, Colo. Iowa. Lifting apparatus	758,773	May 3	391	78	110	96
Parker, Edmund A., Meriden, Conn. Match-box holder	758,467	Apr. 26	4502	968	109	2365
Parker, Edward, Bristol, England. Duplicating or counter-check appliance	755,163	Mar. 22	3824	845	109	888
Parker, Emer H., Evanston, Ill. Bottle-filling machine	754,602	Mar. 15	2784	607	109	642
Parker, Francis E., Kansas City, Mo. Ore-pulp washer and concentrator	766,060	July 26	4309	923	111	977
Parker, Francis E., assignor of one-half to J. C. Murphy, Kansas City, Mo. Storehouse-conveyer for grain, &c.	760,015	May 17	2872	601 602	110	681
Parker, Frank A., et al. (See Brown, William E., assignor.)						
Parker, Frank E., Robinson, Kans. Oil-can	755,927	Mar. 29	5309	1172	109	1828
Parker, Frederick R., Chicago, Ill. Telephone system	767,953	Aug. 16	3649	771	111	1883
Parker, George L., Bremerton, assignor of one-half to C. H. Gaffner, Seattle, Wash. Weather-strip	752,355	Feb. 16	2960	659	108	1736
Parker, George S., Janesville, Wis. Fountain-pen	758,930	May 3	701	140	110	164
Parker, Harry E. (See Foster, George M., assignor.)						
Parker, Henry, Brooklyn, N. Y. Non-refillable bottle	776,678	Dec. 6	423	94	113	1522
Parker, Henry, Brooklyn, N. Y. Non-refillable bottle	776,679	Dec. 6	424	94	113	1522
Parker, Henry S. (See Matthews, James F., assignor.)						
Parker, Herbert. (See Evans and Parker.)						
Parker, Howard, Nashua, N. H. Paper-making machinery	762,437	June 14	1602	349	110	1805
Parker, Howard, Bellows Falls, Vt. Pulp-treating machine	770,307	Sept. 20	2247	470 471	112	542
Parker, Howard, Bellows Falls, Vt., assignor to Improved Paper Machinery Company, Castine, Me., and Nashua, N. H. Paper-making machinery	748,645	Jan. 5	180	43, 44	108	40
Parker, Howard, Nashua, N. H., assignor to Improved Paper Machinery Company, Castine, Me., and Nashua, N. H. Rolls for paper-making or like machinery	750,887	Feb. 2	208	47	108	1103
Parker, Howard, Nashua, N. H., assignor to Improved Paper Machinery Company, Castine, Me. Roll for paper-making or like machinery	773,975	Nov. 1	882	186	113	202
Parker, Jacob L., Indianapolis, Ind. Display-stand	770,308	Sept. 20	2249	471	112	543
Parker, James C., Woodston, Kans. Harvester	748,782	Jan. 5	420	96	108	94
Parker, James C., Woodston, Kans. Sheaf-die	748,783	Jan. 5	422	96	108	94
Parker, James F. (See Heath, Elroy N., assignor.)						
Parker, John. (See Gregory, Naomi C., assignor.)						
Parker, John, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Gear-cutting machine	750,485	Jan. 26	3833	832	108	903
Parker, John, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Variable-speed mechanism	754,339	Mar. 8	2190	487	109	495
Parker, John C., Omaha, Neb. Envelop-sealing and stamp-affixing machine	765,097	July 13	2428	506 505	111	543
Parker, Lewis A., and H. D. Castlebery, Leavenworth, Wash. Combined steam and water valve	753,427	Mar. 1	394	91	109	86
Parker, Lyman B., Chickasha, Ind. Ter. Composite condiment-holder	766,894	Aug. 9	1590	333	111	1413
Parker Match Company. (See Parker, William H., assignor.)	750,688	Jan. 26	4215	914	108	981
Parker, McCluer H., Los Angeles, Cal. Router-plane	761,097	May 31	5052	1072	110	1194
Parker, Nora, Oxford, Mich. Corset-stay	752,297	Feb. 16	2850	632	108	1712

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Parker-Russell Mining & Manufacturing Company. (See Russell, Silas B., assignor.)						
Parker, Solomon T., Dalton, Ga. Nut-locking device.	769,400	Sept. 6	520	114	112	118
Parker, Theodore E., et al., trustees. (See Tichon, Joseph E., assignor.)						
Parker, Thomas T. (See Maffitt and Parker.)						
Parker, Walter, Leicester, N. Y. Party-line telephone system.	777,429	Dec. 13	1886	416	113	1860
Parker, William, Tecumseh, Nebr. Earth-auger for erecting telegraph or telephone poles.	762,490	June 14	1719	369 370	110	1880
Parker, William A., Waco, Tex. Line-lock attachment for type-writing machines.	764,070	July 5	316	62	111	70
Parker, William A., Waco, Tex. Back-spacing attachment for type-writing machines.	765,367	July 19	2937	613	111	671
Parker, William H. (See Tatum and Parker.)						
Parker, William H., Passaic, N. J., assignor to Parker Match Company. Apparatus for preparing match-stock.	749,218	Jan. 12	1374	294	108	336
Parker, William H., Passaic, assignor to Parker Match Company, Jersey City, N. J. Machine for preparing match-stock.	752,706	Feb. 23	3656	814	108	1906
Parker, William H., Passaic, assignor to Dixie Match Company, Jersey City, N. J. Making matches.	770,399	Sept. 20	2251	471	112	543
Parkes, Howard, New York, N. Y. Belt holder or attaching device.	750,484	Jan. 26	3832	832	108	908
Parkhill, Horace J., et al. (See Webster, Thomas H., assignor.)						
Parkhouse, Ransom, Merlebeach, Mich. Match-box.	765,853	July 26	3927	838	111	894
Parkhurst, Edward B. (See Bean, James E.)						
Parkhurst, Edward B., Woburn, Mass., assignor to National Cash Register Company, Dayton, Ohio. Cash-register.	755,385	Mar. 22	4250	939 940	109	978
Parkhurst, Edward G., assignor to Lee Arms Company and Connecticut Trust and Safe Deposit Company, Hartford, Conn. Cartridge-pocket.	771,491	Oct. 4	524	118	112	1070
Parkhurst, Frederic H., assignor to J. F. Parkhurst & Son Company, Bangor, Me. Wardrobe-trunk.	768,683	Aug. 30	5347	1104 1105	111	2377
Parkin, George E. B., assignor to A. D. Fisher, Toronto, Canada. Screw-driver.	748,879	Jan. 5	618	139	108	138
Parks, Agnes E. (See Parks, Clarence W., and A. E.)						
Parks, Charley R., Raymond, Kans. Self-feeder for threshing-machines.	776,680	Dec. 6	427	95	113	1523
Parks, Clarence W., Lowell, Mich. Cream-separator.	778,327	Dec. 27	3694	806	113	2372
Parks, Clarence W., and A. E., Lowell, Mich. Combined bag-holder and truck.	709,625	Sept. 6	927	200	112	210
Parks, Dennis. (See Mitchell and Parks.)						
Parks, John R., assignor of one-half to W. F. Tucker, Denver, Colo. Tent-cottage.	777,531	Dec. 13	2082	458 459	113	1901
Parks, Robert H., Rochester, assignor of one-half to W. W. Butler, New York, N. Y. Car-truck.	764,760	July 12	1773	362 363	111	404
Parks, Thomas A. (See Gale, Frederick, assignor.)						
Parks, William M. (See Pitts, Edward L., assignor.)						
Parlin & Orendorff Company. (See Graham, William S., assignor.)						
Parneelee, John H., Bridgeport, assignor to North & Judd Manufacturing Company, New Britain, Conn. Hame-fastener.	776,029	Nov. 29	5067	1069	113	1211
Parneelee, Wilbur F., Kalamazoo, Mich. Coasting-sled.	754,887	Mar. 15	3942	730	109	764
Parmenter, Charles F., Portland, Me., N. Y. Carburetor for explosive-engines.	771,492	Oct. 4	528	118	112	1070
Parmenter, Joseph M., and G. C. Kohler, Sidney, Ohio. Handle.	763,627	June 28	3965	863	110	2361
Parmenter, William A., assignor to C. S. Pierce, Brockton, Mass. Buffing-machine.	776,417	Nov. 29	5792	1226	113	1377
Parmerly, John, Paterson, N. J. Pneumatic tire.	768,684	Aug. 30	5250	1105	111	2378
Parmerly, Walter C., Cleveland, Ohio. Concrete-arch construction.	764,392	July 5	786	161	111	174
Parmerly, Walter C., Cleveland, Ohio. Concrete-arch construction.	764,303	July 5	787	161	111	174
Parnall, John B., New York, N. Y. Time-indicating chart for cooking.	763,109	June 21	2956	637	110	219
Parnall, Thomas S. B. (See Simeon, Parnall, and Hopkins.)						
Parnell, John J. (See Wertz and Parnell.)						
Paroubek, Anton J., Jersey City, N. J. Pencil-case.	752,857	Feb. 23	3938	883	108	1967
Parpart, Florence W. (See Layman and Parpart.)						
Parpart, Otto, assignor to Standard Tool Company, Cleveland, Ohio. Drill-grinding machine.	751,198	Feb. 2	771	176	108	1222
Parr, Richard V., Craigsville, Va. Bag-holder.	756,693	Apr. 5	954	209	109	1546
Parrish, Ezekiel L., Crockett, Tex. Safety-stirrup.	755,531	Mar. 22	4496	999	109	1029
Parrish, Justin E., Scranton, Pa. Governor or regulating valve.	772,369	Oct. 18	2350	516	112	1504
Parrish, Lillian M., St. Louis, Mo. Twine-holder.	773,586	Nov. 1	103	21	113	29
Parrish, Stephen E., Ithaca, Mich. Show-case.	755,580	Mar. 22	4585	1020	109	1049
Parrish, William N., assignor of one-half to W. B. Alford, Richmond, Ind. Wire fence.	769,180	Sept. 6	83	21	112	20
Parrot, Theodore, Lake Charles, La. Grain separator and thresher.	770,694	Sept. 20	2966	631	112	703
Parry, William A., Cambridge, Mass. Disintegrating-machine.	756,304	Mar. 1	166	37, 38	109	39
Parry, William W., Plymouth, Pa. Snow-guard for roofs.	756,884	Apr. 12	1328	296	109	1642
Parssells, William C., Ellenville, N. Y. Amusement device.	753,098	Feb. 23	4430	985	108	2079
Parshall, William B., Philadelphia, Pa. Towel-holder.	751,406	Feb. 2	1163	265	108	1374
Parson, Henry E., New York, N. Y. Steam-boiler furnace for burning wet material.	762,844	June 14	1412	305	110	1765
Parson, Henry E., Brooklyn, N. Y. Burning wet and slowly-combustible fuel.	762,345	June 14	1414	306	110	1765
Parson, Hillman A., Republic, Iowa. Bolt-holder.	757,142	Apr. 12	1867	406	109	1755
Parson, James C., Oakgrove, Mo. Corn-snapping machine.	766,377	Aug. 2	464	99	111	1448
Parsons, Charles A., Newcastle-upon-Tyne, England. Marine steam-turbine.	769,272	Sept. 6	266	62	112	58
Parsons, Charles A., Newcastle-upon-Tyne, England. Turbine.	775,634	Nov. 22	4277	903 904	113	1021
Parsons, George G., Madera, Cal. Necktie-band holder.	754,007	Mar. 8	1576	352	109	364
Parsons, George H., East St. Louis, Ill. Dental dilating-forceps, or appliance for dental or surgical use.	776,348	Nov. 29	5664	1199	113	1347
Parsons, George W., assignor to Parsons-Hawkeye Manufacturing Co., Newton, Iowa. Knife for band-cutters and feeders.	754,008	Mar. 8	1577	352	109	364
Parsons-Hawkeye Manufacturing Co. (See Parsons, George W., assignor.)						
Parsons, Henry, Marlboro, Mass. Machine for cutting leather. (Reissue.)	12,234	June 21	3411	742	110	2321
Parsons, Henry, Marlboro, Mass. Bear-presser.	776,418	Nov. 29	5795	1227	113	1378
Parsons, Henry R. & Fred B. (See Parsons, Ozro G., assignor.)						
Parsons, Isaac H., Leicester, England. Electric switch.	775,983	Nov. 29	4947	1026 1027	113	1159
Parsons, Leo S., et al. (See Warner, Isaac M., assignor.)						
Parsons, Luther T., Princebay, N. Y. Dental or surgical chair.	759,189	May 3	1188	242 243	110	269
Parsons, Newell B., assignor to Library Bureau, Chicago, Ill. Library-shelf.	775,496	Nov. 22	3959	836	113	950
Parsons, Newell B., assignor to Library Bureau, Chicago, Ill. Stack construction.	775,497	Nov. 22	3961	836	113	951
Parsons, Newell B., W. H. Winslow, and J. L. Kail, assignors to Library Bureau, Chicago, Ill. Library-shelf.	775,498	Nov. 22	3962	837	113	951
Parsons, Ozro G., assignor of one-half to H. R. & F. B. Parsons, Edina, Mo. Barn-door bolt and lock.	777,135	Dec. 13	1343	297	113	1741

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Parsons, Richard C., R. Belfield, and W. Chapman, London, England, assignors to Westinghouse Electric & Manufacturing Company, Pittsburg, Pa. Electric railway.....	776,681	Dec. 6	429	95, 96	113	1523
Parsons, Richard C., R. Belfield, and W. Chapman, London, England, assignors to Westinghouse Electric & Manufacturing Company, Pittsburg, Pa. Plow for electrically-propelled vehicles.....	776,682	Dec. 6	491	96	113	1523
Parsons, Robert L., assignor of one-half to T. M. Traugber and B. C. Crumbaugh, Olmstead, Ky. Grain-binding harvester.....	754,009	Mar. 8	1578	352 353	109	364
Parsons, Winslow R., Chicago, Ill. Ruffling attachment for sewing-machines.....	756,885	Apr. 12	1329	296 297	109	1642
Parsons, Winslow R., Chicago, Ill. Sewing-machine tucker.....	760,840	Aug. 9	1482	310	111	1390
Partheymueller, John, New York, N. Y. Show-case.....	754,233	Mar. 8	2008	446	109	458
Partridge, Alfred, Stockport, England. Self-feeding web-printing machine.....	770,649	Sept. 20	2875	611 612	112	681
Partridge, Allen R., assignor of one-half to F. W. Page, San Francisco, Cal. Smelting ores.....	757,220	Apr. 12	2004	436	109	1787
Partridge, Allen R., assignor of one-half to F. W. Page, San Francisco, Cal. Smelting furnace.....	757,221	Apr. 12	2006	436	109	1787
Partridge, Allen R., assignor of one-half to F. W. Page, San Francisco, Cal. Hearth for smelting-furnaces.....	757,222	Apr. 12	2008	436	109	1787
Pascucillo, Charles R., Bridgeport, Conn. Drill-chuck.....	769,956	Sept. 13	1559	532	112	368
Pasquier, John B., et al. (See Horrall, William A., assignor.)						
Pass & Seymour. (See Seymour, Albert P., assignor.)						
Passarelli, Ferdinando, New York, N. Y. Preserving fruit.....	754,340	Mar. 8	2192	488	109	496
Passburg, Emil, Berlin, Germany. Drying sugar-loaves.....	749,627	Jan. 12	2185	459	108	510
Passino, Edward J., Middletown, N. Y. Door-check.....	755,886	Mar. 22	4259	940 941	109	979
Patch, Asahel H., Clarksville, Tenn. Grinding-mill.....	764,071	July 5	318	62	111	70
Patchen, Alvah U., Syracuse, N. Y. Massaging implement.....	767,593	Aug. 16	2958	619	111	1734
Patee, Fred, Milwaukee, Wis. Motor-vehicle.....	766,769	Aug. 2	1298	275	111	1329
Patee, Fred, Indianapolis, Ind. Carbureter for explosive-engines.....	777,220	Dec. 13	1489	329	113	1772
Paternal, Thomas H., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. High-speed train system and apparatus therefor.....	777,971	Dec. 20	3006	669 663 664 665	113	2108
Paternal, Thomas H., Wilkinsburg, assignor to Union Switch and Signal Company, Swissvale, Pa. High-speed permissive train system and apparatus therefor.....	777,972	Dec. 20	3015	665	113	2110
Patent Button Company. (See White, Franklin R., assignor.)						
Patent Development Company of America. (See Camfield, William H., assignor.)						
Patent Development Company of America. (See Swan and Rose, assignors.)						
Patent Tobacco Sample Binder Company. (See Wiseburn and Buhle, assignors.)						
Patterson, Alexander, Wilkinsburg, Pa. Manufacture of sheet metal.....	752,411	Feb. 16	3075	682	108	1759
Patterson, James W., assignor to Curtain Supply Company, Chicago, Ill. Curtain-fixture.....	754,404	Mar. 8	2382	520	109	537
Patterson, William H. (See Nicolson, Samuel, assignor.)						
Patman, Richard F., Calhoun, Ga. Wrench.....	770,921	Sept. 27	3415	720	112	819
Paton, James, deceased, Cleveland, Ohio; J. D. Paton and J. C. Sparrow, executors. Safe or vault.....	760,323	Sept. 6	379	57, 88	112	82
Paton, James W., Southampton, and H. G. Taylor, Egremont, England. Machine for beating sheet-metal wares.....	748,928	Jan. 5	844	180	108	195
Paton, John D., et al., executors. (See Paton, James.)						
Patrick, Frank H., Norwich, Conn. Means for supplying oxygen to furnaces.....	760,804	May 24	4440	945	110	1043
Patrick, Sheldon E., Bridesburg, assignor to Quaker City Folding Box Company, Philadelphia, Pa. Hat-box.....	752,584	Feb. 16	3390	756	108	1830
Patrick, Thomas S., Paragould, Ark. Bottle-stopper.....	768,142	Aug. 23	4120	867	111	2099
Patry, Herman H., and L. S. Hanson, Cloquet, Minn. Watchcase.....	760,558	May 24	3917	832 833	110	932
Pattee, Herbert H., assignor to Planets Company, New York, N. Y. Ball-coaster.....	771,322	Oct. 4	201	43, 44	112	1004
Patten, Alonzo R., Hyde Park, assignor to Geo. W. Stafford Company, Readville, Mass. Power-shipping and brake mechanism for looms.....	753,807	Mar. 1	1174	264	109	252
Patten, Alonzo R., Hyde Park, assignor to Geo. W. Stafford Company, Readville, Mass. Shedding mechanism for looms.....	753,808	Mar. 1	1176	264 265	109	253
Patten, Estella G., Chicago, Ill. Adjustable and collapsible support.....	755,039	Mar. 22	3614	793	109	842
Patten, James S., assignor of one-half to J. W. Woodland, Baltimore, Md. Journal-box.....	771,661	Oct. 4	872	196	112	1146
Patten, James S., assignor of one-half to J. W. Woodland, Baltimore, Md. Dust-guard for journal-boxes.....	771,743	Oct. 4	1009	225	112	1174
Patten, James S., assignor of five-twelfths to R. M. Duvall and M. Schaeffer, Baltimore, Md. Lubricating-packing holder for car-axle boxes.....	770,242	Sept. 13	2083	493 138	112	484
Patten, John, New York, N. Y. Vapor-absorber.....	756,521	Apr. 5	647	140	109	1478
Patten, John, assignor to Patten Vacuum Ice Machine Company, Baltimore, Md. Refrigerating apparatus.....	769,110	Aug. 30	6096	1275 1276	111	2468
Patten, Lorenzo D., assignor of one-half to S. S. Bricker, Mansfield, Ohio. Kneading-board.....	768,341	Aug. 23	4498	946	111	2092
Patten, Lorenzo D., and D. Lippy, assignors of one-third to G. Moorhouse, Mansfield, Ohio. Mechanical toy.....	757,834	Apr. 19	3247	708	109	2069
Patten, Lorenzo D., and D. Lippy, assignors of one-third to G. Moorhouse, Mansfield, Ohio. Window-sash.....	778,370	Dec. 27	3800	829	113	2295
Patten Vacuum Ice Machine Company. (See Patten, John, assignor.)						
Patterson, Andrew J., Huntsville, Ala. Level and plumb.....	760,917	May 24	4656	992	110	1090
Patterson, Ashmore P., Lansdowne, Pa. Gleaner attachment for binders.....	770,979	Sept. 27	3329	744	112	817
Patterson, Charles. (See Twitchell, James E., assignor.)						
Patterson, Earl L., Beaverfalls, Pa. Driving mechanism for washing-machines.....	753,909	Mar. 8	1390	314	109	320
Patterson, George Y. (See Perkins and Patterson.)						
Patterson, Harry A., Glenville, Ohio. Load-binder.....	776,541	Dec. 6	146	33	113	1457
Patterson, Henry S., Ravenna, Ohio, and H. S. Patterson, Scenery Hill, Pa. Hose-coupling.....	749,496	Jan. 12	1964	408	108	460
Patterson, Henry T., Chicago, Ill. Blotter-holder.....	763,017	June 21	2778	602	110	2081
Patterson, Herbert S. (See Patterson, Henry S. and H. S.)						
Patterson, J. F. (See Toliver, Albert C., assignor.)						
Patterson, John H., Aldershot, England. Rifle-holder for mounted troops.....	757,343	Apr. 12	2262	493	109	1841
Patterson, John W., Madisonville, Ky. Wagon-bolster.....	755,532	Mar. 22	4497	1000	109	1029
Patterson, Joseph N. (See Washington, George, assignor.)						
Patterson, L. F. (See Miller, William, assignor.)						
Patterson, Lemuel, Warren, Pa. Lining for walls.....	766,726	Aug. 2	1307	255	108	1309
Patterson, Marion, Stewardson, Ill. Harvester.....	772,820	Oct. 18	3226	708	112	1692

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Patterson, Peter, McKeesport, assignor to National Tube Company, Pittsburg, Pa. Making lapweld-tubing.	774,337	Nov. 8	1551	333	113	366
Patterson, Peter C., McKeesport, Pa., assignor to National Tube Company, New York, N. Y. Plate-charging mechanism.	771,493	Oct. 4	581	118	112	1071
Patterson, Peter C., and J. J. Boax, McKeesport, assignors to National Tube Company, Pittsburg, Pa. Scarfing and bending machine.	772,579	Oct. 18	2765	609	112	1594
Patterson, Richard. (See Danley, James S., assignor.)				610		
Patterson, Robert, Fishkill Landing, N. Y. Exercising device.	775,309	Nov. 22	3564	751	113	861
Patterson, Robert, assignor of one-half to J. L. Whalen, Rochester, N. Y. Eye-extractor for fruits or vegetables.	757,835	Apr. 19	3247	705	109	2070
Patterson, Robert A., Boonville, Ark. Planter attachment.	751,938	Feb. 9	2161	488	108	1538
Patterson, Rufus L., et al. (See Tyberg and Prescott, assignors.)						
Patterson, Rufus L., New York, N. Y. Measuring and weighing mechanism.	754,937	Mar. 15	3423	748	109	782
Patterson, Rufus L., New York, N. Y. Stamping and labeling mechanism.	765,147	July 12	2514	749	111	562
Patterson, Thomas S., New York, assignor to Oil and Waste Saving Machine Company, Rochester, N. Y. Centrifugal machine.	773,220	Oct. 25	4210	526	112	1935
Patterson, William, Central City, Nebr. Well-point.	767,234	Aug. 9	2262	527	111	1560
Patterson, William J., Pittsburg, Pa. Conveyor.	749,803	Jan. 19	2526	543	108	607
Patterson, William J., Pittsburg, Pa. Apparatus for handling mine-cars.	765,902	July 26	4009	544	111	912
Patterson, William J., Pittsburg, Pa. Treating and handling coal for coking purposes.	770,778	Sept. 27	3123	555	112	754
Patterson, William J., Pittsburg, Pa. Coal-storage plant.	772,956	Oct. 25	3510	662	112	1774
Patterson, William J., Pittsburg, Pa. Coal-storage plant.	772,957	Oct. 25	3512	663	112	1775
Patterson, William J., assignor to Heyl and Patterson, Pittsburg, Pa. Conveyor.	760,479	May 24	3757	760	110	896
Patterson, William J., assignor to Heyl and Patterson, Pittsburg, Pa. Ladle-tilting device.	761,393	May 31	3623	756	110	1318
Patterson, William J., assignor to Heyl & Patterson, Pittsburg, Pa. Coal-breaker.	770,819	Sept. 27	3225	1196	112	777
Patterson, William J., and A. M. Acklin, assignors to Heyl and Patterson, Pittsburg, Pa. Ladle-tilting device.	761,319	May 31	5478	1197	110	1285
Patterson, William J., and A. M. Acklin, assignors to Heyl and Patterson, Pittsburg, Pa. Safety device for car-hauls.	768,191	Aug. 23	4208	1164	111	2028
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Objective-holder for microscopes.	775,934	Nov. 29	4848	885	113	1159
Pattinson, James, Beaumont, Tex. Rotary motor.	763,789	June 28	4304	935	110	2433
Patton, Edward W. (See Kennedy and Pocock, assignors.)				936		
Patton, Edward W. (See Pocock, Francis A., assignor.)						
Patton, George B., Williamstown, V. A. Well-drill jar.	751,199	Feb. 2	774	176	108	1222
Patton, George J., Nokeville, Va. Boot or shoe ventilator.	752,254	Feb. 12	2765	177	109	1694
Patton, George J., and S. A. Marsteller, Nokeville, Va. Mower.	755,333	Mar. 22	4468	613	108	1030
Patton, John K., Toronto, Canada. Combined display and advertising stand.	758,682	May 3	149	32	110	36
Patton, Matthew E., assignor of two-thirds to W. F. Stewart and W. B. Sullivan, St. Louis, Mo. Cigar-vending machine.	771,265	Oct. 4	90	19, 20	112	981
Patty, John R., et al. (See Hachmann, Frederick, assignor.)						
Paul, A. R., et al. (See Marsden, John A., assignor.)						
Paul, Andrew G., Boston, Mass. Heating system and valve for use therein.	771,744	Oct. 4	1011	225	112	1175
Paul, Andrew G., Boston, Mass. Heating system.	771,745	Oct. 4	1013	226	112	1175
Paul, Charles A., Orlando, Okla. Ter. Latch.	777,743	Dec. 20	2504	227	113	2008
Paul, Charles D., and J. L. Stuart, Pittsburg, Pa. Wrench.	770,995	Sept. 20	2968	553	112	703
Paul, Conrad, Pittsburg, Pa. Account-register and desk-slide.	755,387	Mar. 22	4260	631	109	908
Paul, Edward N., Philadelphia, Pa. Egg-crate.	753,099	Feb. 22	4432	941	109	908
Paul, Francis, Jr., Sorel, Canada. Carbureter.	776,542	Dec. 6	146	986	113	1458
Paul, Francis, Jr., Sorel, Canada. Air-forcing mechanism.	776,582	Dec. 6	940	33	113	1633
Paul, Harry C., Chicago, Ill. Optometer.	766,969	Aug. 9	1736	202	111	1447
Paul, John T. H., assignor to Vulcan Foundry and Machine Company, Newcastle, Pa. Speed-changing gear.	776,200	Nov. 29	5798	203	113	1282
Paul, Josef, and C. Hartlieb, assignors to Feinmaschinenbau G. Calberla, G. M. B. H., Dresden, Germany. Cigarette-machine.	777,502	Dec. 20	2639	1139	113	2036
Paul, Robert, Vienna, Austria-Hungary. Apparatus for the manufacture of medical or like capsules.	777,744	Dec. 20	2505	581	113	2009
Paul, Rockingham, et al. (See Smith, John N., assignor.)				553		
Paul, William L., Davis, N. C. Whistle attachment for gas-engines.	757,673	Apr. 19	2944	113	109	2008
Paul, William L., assignor to David Bradley Manufacturing Company, Bradley, Ill. Corn-planter.	751,548	Jan. 9	1406	639	108	1377
Paul, William M., New York, N. Y. Automobile-brake.	748,646	Feb. 5	182	321	108	41
Pauling, Edwin J. H. (See Fader, Silas, assignor.)				44		
Pauling, Guido, Olbernhau, Germany. Manufacturing nitric dioxide and nitric acid.	758,774	May 3	392	78	110	96
Pauling, Harry, Gelsenkirchen, Germany. Apparatus for the treatment of gases.	758,775	May 3	393	79	110	97
Pauling, Harry, Brandau, Austria-Hungary. Manufacturing ammonium formate.	776,543	Dec. 6	1401	113	1458	
Pauling, Harry, Brandau, Austria-Hungary. Heating air.	777,485	Dec. 13	1999	442	113	1885
Pauling, Harry, Brandau, Austria-Hungary. Manufacturing nitric acid.	777,486	Dec. 13	2001	443	113	1885
Paulle, Leonard, Minneapolis, Minn. Corner-clamp for show-cases.	760,805	May 24	4441	945	110	1043
Paulsen, Nahmen, San Lucas, Cal. Harrow attachment.	773,890	Nov. 1	714	751	113	164
Paulsen, William J., New York, N. Y. Advertising device.	777,532	Dec. 13	2085	152	113	1902
Paulson, C. A., et al. (See Helgerson, Thomas O., assignor.)				459		
Paulson, Chris E., Boyd, Minn. Hay rake and cocker.	752,585	Feb. 16	3391	756	108	1890
Paulson, John N., Seattle, Wash. Cylinder-reducer.	767,526	Aug. 16	2826	757	111	1703
Paulson, John N., Seattle, Wash. Cylinder-reducer.	767,527	Aug. 16	2828	590	111	1703
Paulson, John P., et al. (See Schilling, Gustave A. W., assignor.)				591		
Paulson, Nien, assignor of one-half to A. H. Sisson, Newark, Ohio. Car-platform.	754,688	Mar. 15	2965	645	109	678
Paulson, Soren C., Breckenridge, Minn. Convertible wagon-box.	764,672	July 12	1606	327	111	368
Paulson, Swan, Chicago, Ill. Piano-action.	753,100	Feb. 23	4433	328	108	2079

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Pauly, Henry C., <i>et al.</i> (See Broome, Henry, assignor.)						
Pautasso, Jean A., Geneva, Switzerland. Photographic camera.	757,836	Apr. 19	3249	705	109	2070
Paver, Charles N., Cincinnati, Ohio. Apparatus for separating coal and coke from ashes.	763,018	June 21	2779	602	110	2081
Pavlik, Frank J., Knoxville, Neb. Hay-stacker.	770,980	Sept. 27	3532	744	112	848
Pavlish, Adolph, Chatfield, Minn. Automatic reclining-chair ratchet.	777,745	Dec. 20	2507	553	113	2009
Pavón y Moraleda, Elenterio, Madrid, Spain. Wind-wheel.	773,976	Nov. 1	882	186	113	203
Pawel, Franz, Hanover, Germany. Peripheral structure for wheels.	748,880	Jan. 5	620	139	108	139
Pawl, Harry, Brooklyn, N. Y. Coin and ticket holder.	758,776	May 3	394	79	110	97
Pawling, Harry J., New Columbia, Pa. Coal-oil-lamp burner.	757,674	Apr. 19	2945	639	109	2004
Paxton, Jesse W., Washington, Pa. Making glass with wire embedded therein.	753,101	Feb. 23	4436	986	108	2080
Paxton, Joseph S., New York, N. Y. Hand-strap for cars.	766,378	Aug. 2	466	100	111	1143
Pay, Charles, Providence, R. I. Trolley vehicle.	766,518	Aug. 2	765	161	111	1208
Payne, Carl S., assignor of one-fourth to J. J. Laine, San Francisco, and E. R. Rice, Sausalito, Cal. Draft connection for railway-cars.						
Payne, Charles, Los Angeles, Cal. Combination pencil-sharpener and eraser.	749,447	Jan. 12	1859	387	108	437
Payne, Clarence Q., Stamford, Conn. Separating-cylinder for magnetic separators.	776,544	Dec. 6	150	34	113	1458
Payne, Clarence Q., Stamford, Conn. Apparatus for magnetic separation.	762,751	June 14	2253	491	110	1943
Payne, Clarence Q., Stamford, Conn. Apparatus for magnetic separation.	762,752	June 14	2255	491	110	1944
Payne, Clarence Q., Stamford, Conn. Apparatus for magnetic separation.	762,753	June 14	2258	492	110	1945
Payne, Claude L., Salem, Ind. Excavator.	773,102	Nov. 1	1129	240	113	256
Payne and Co., George W. (See Bosworth, George P., assignor.)						
Payne, Darius W., Minneapolis, Minn. Combined pasteurizer, cream-ripeners, churn, and butter-worker.	770,779	Sept. 27	3127	663	112	755
Payne, Fred S., Boston, Mass. Electric signaling device for elevators.	756,275	Apr. 5	160	33	109	1377
Payne, George F., Suncook, N. H. Cap-bar tip.	768,621	Aug. 30	5112	1075	111	2349
Payne, James S. (See Payne, John S., and J. S.)						
Payne, John A., Jersey City, N. J. Glazed structure.	750,389	Jan. 26	3652	794	108	864
Payne, John S., Midlandpark, and J. S. Payne, Wortendyke, N. J. Third-rail guard for electric roads.						
Payne, Newton, and A. P. Guyens, Appleby, Tex. Nut-lock.	764,148	July 5	1859	92	111	101
Payne, Robert E., New York, N. Y. Vending apparatus.	766,895	Aug. 9	1591	333	111	1413
Payne, Robert E., New York, N. Y. Automatic vending apparatus.	757,956	Apr. 19	3475	752	109	2121
Payne, Wallace, Kosoma, Ind. Ter. Railway tie.	759,743	May 10	2232	486	110	544
Payson, Octavia, New York, N. Y. Fountain writing-pen.	761,249	May 31	5333	1132	110	1254
Peabody, Agnes V. (See Tribble, Joseph F., assignor.)	758,381	Apr. 26	4340	932	109	2328
Peabody, George L., Pittsburg, Pa. Manufacture of building-blocks.	776,794	Dec. 6	602	146	113	1572
Peabody-Stiggleman Company. (See Stiggleman, James H., assignor.)						
Peace, John G., Micanopy, Fla. Bed-bottom.	758,276	Apr. 26	4124	891	109	2281
Peace, Philip P., Philadelphia, Pa., assignor to Philadelphia Extracting Company. Removing alcoholic liquors from empty casks or barrels.	765,148	July 12	2527	528	111	564
Peace, William, Hamilton, Canada. Weather-strip.	769,626	Sept. 6	928	201	112	210
Peach, Benjamin F. (See Porter, Edwin F., assignor.)						
Peach, Orange P., Rushton, Mich. Excavator.	755,287	Mar. 22	3960	877	109	915
Peachey, John D., East Orange, N. J. Telephonic call instrument.	751,103	Feb. 2	587	136	108	1186
Peacock, Christopher, assignor of two-thirds to J. Peacock and J. McCoach, Colorado City, Colo. Air-cooling apparatus.	768,622	Aug. 30	5113	1075	111	2349
Peacock, George J., assignor of one-fourth to C. Bonini, Pittsburg, Pa. Electric heater.	749,623	Jan. 12	2187	460	108	510
Peacock, George J., Buffalo, N. Y., and H. Bartley, Pittsburg, Pa. Composition horse-shoe.	776,795	Dec. 6	663	146	113	1573
Peacock, John L., Buffalo, N. Y. Mechanism for operating car-brakes.	754,603	Mar. 15	2877	608	109	642
Peacock, Joseph, <i>et al.</i> (See Peacock, Christopher, assignor.)						
Peacock, Thomas L., Union Star, Mo. Attachment for feed-troughs.	748,647	Jan. 5	183	44	108	41
Peake, Henry C., and J. R. English, Walsall Wood, near Walsall, England. Machinery for cutting coal or other minerals.	755,238	Mar. 22	3961	877	109	915
Pearce, Frederick, New York, N. Y. Phonograph-operating mechanism.	761,705	June 7	166	32	110	1475
Pearce, William, Birmingham, England. Combined cover and cigar-cutter.	768,625	Aug. 30	5114	1076	111	2350
Pearce, Benjamin S., assignor to G. A. Walton, New York, N. Y. Steam-generator.	764,761	July 12	1776	363	111	405
Peard, James J., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Sight for firearms.	761,796	June 7	171	32	110	1476
Pearman, George E., Louisville, Ky. Spout for coffee or spice mill drawers.	764,673	July 12	1608	328	111	368
Pearne Electric and Manufacturing Company. (See Pearne and Krum, assignors.)						
Pearne, Frank D., assignor to Pearne, Krum & Company, Chicago, Ill. Plug for telephone-switchboards.	750,689	Jan. 26	4216	914	108	981
Pearne, Frank D., and C. L. Krum, assignors to Pearne Electric and Manufacturing Company, Chicago, Ill. Electrical selective apparatus.	754,689	Mar. 15	2957	646	109	678
Pearne, Krum & Company. (See Pearne, Frank D., assignor.)						
Pearsall, James R., Syracuse, N. Y. Lifting-jack.	762,841	Nov. 14	2450	531	110	1988
Pearsall, William, assignor to M. J. Whitfall, Worcester, Mass. Woven fabric.	774,775	Nov. 15	2421	521	113	577
Pearson, Carl F., Chicago, Ill. Device for transmitting power.	773,977	Nov. 1	884	186	113	203
Pearson, Charles J., <i>et al.</i> (See Ham, Herbert H., assignor.)						
Pearson, Eugene. (See Gravell, James H., assignor.)						
Pearson Fire Alarm System. (See Bowell, George B., assignor.)						
Pearson, Frank M., and J. A. Hornsby, Dalark, Ark. Team-detaching device.	772,475	Oct. 18	2568	564	112	1551
Pearson, Fred, Philadelphia, Pa. Double-pile fabric.	749,219	Jan. 12	1376	294	108	337
Pearson, Frederick. (See Johnson and Pearson.)						
Pearson, John. (See Pearson, Swain, assignor.)						
Pearson, John, Northwood, N. D. Horse-detacher.	753,910	Mar. 8	1391	314	109	321
Pearson, John, Chicago, Ill. Car journal-box.	760,559	May 24	3919	833	110	932
Pearson, John E., Motor, N. C. Telegraphic key.	776,067	Dec. 20	3189	702	113	2145
Pearson, John M., Bellevue, assignor to Pearson Manufacturing Company, Allegheny, Pa. Boiler.	771,570	Oct. 4	697	155	112	1107
Pearson, Lorraine A., West Milton, Ohio. Tobacco-sample-binding machine.	762,491	June 14	1721	370	110	1831
Pearson Manufacturing Company. (See Pearson, John M., assignor.)						
Pearson, Robert P., Gloucester City, N. J., assignor to Draper Company, Hopedale, Mass. Loom-temple.	760,645	May 24	4093	870	110	971
Pearson, Swain, assignor of one-half to J. Pearson, Rock Island, Ill. Buggy-boot holder.	753,428	Mar. 1	395	92	109	86
Pearson, Walter B., Chicago, Ill. Crank-pin lubricator.	771,571	Oct. 4	698	155	112	1108
Pearson, Walter H., and W. Peters, Dunedin, New Zealand. Shot-making machinery.	767,831	Aug. 16	3412	720	111	1831
Pearson, William H., New Brunswick, N. J. Safety-can.	748,784	Jan. 5	423	97	108	95
Pearson, William H., assignor of one-half to R. A. Wernau, Passaic, N. J. Non-refillable bottle.	769,230	Sept. 6	183	44	112	41
Peart, Alpheus A., Deloraine, Tasmania, Australia. Lubricator for vehicle-axles.	748,881	Jan. 5	621	139	108	139
Pease, Edward L., Darlington, England. Structural arrangement applicable to flooring, roofing, &c.	754,888	Mar. 15	3344	730	109	765

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Pease, Harrison, Giles, Nebr. Pitman connection	755,164	Mar. 22	3827	846	109	888
Pease, Horace S., Cincinnati, Ohio. Fluting device	768,072	Aug. 23	3977	835 836	111	1978
Pease, John F., and E. Schumacher, Darlington, England. Tire and rim for vehicle-wheels	764,497	July 5	1204	247	111	284
Pease, Lewis A., and J. A. Brady, Highwood, Ill. Mail catcher and projector	760,345	May 17	3439	737	110	821
Pease, Roger S., assignor to Window Glass Machine Company, Pittsburg, Pa. Bait for drawing glass	758,560	Apr. 26	4686	1010	109	2406
Pease, William L., and C. E. Van Norman, Springfield, Mass. Door-closer	767,167	Aug. 9	2138	444	111	1533
Peate, Alfred M., Baltimore, Md. Umbrella-notch	752,178	Feb. 16	2004	578	108	1655
Pecan, James H., Roslyn, N. Y. Vehicle-dashboard	760,346	May 17	3506	737	110	822
Péchy, Gáspár von, Torna, Austria-Hungary. Lock	756,376	Apr. 5	167	34	109	1379
Peck, Adrian L., Sioux Falls, S. D. Needle-threader	772,821	Oct. 18	3228	703	112	1692
Peck, Albert B., Knoxville, Tenn. Arm-rest	755,040	Mar. 22	3617	793	109	842
Peck, Ashley P., Milwaukee, Wis., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch	755,165	Mar. 22	3828	846	109	889
Peck Bros. & Co. (See Newton, William G., assignor.)						
Peck, Caid H., Waverly, N. Y., assignor to Imperial Pneumatic Tool Company, Athens, Pa. Handle for pneumatic tools	758,100	Apr. 26	3780	821	109	2205
Peck, Cassius C., Rochester, N. Y. Apparatus for measuring heat in hot-water heating systems	759,306	May 10	1490	298 299	110	361
Peck, Cassius C., Rochester, N. Y. Measuring heat in hot-water heating systems	764,002	July 5	165	28, 29	111	41
Peck, Cassius C., Rochester, N. Y. Heating system for greenhouses or other buildings	764,003	July 5	170	29, 30	111	41
Peck, Cassius C., Rochester, N. Y. Heating system for greenhouses	766,281	Aug. 2	296	59, 60	111	1106
Peck, Charles, Philadelphia, Pa. Bib or faucet	754,889	May 15	3345	731	109	765
Peck, Christopher and W. W., West Didsbury, England. Shuttle-box-control mechanism for looms	770,441	Sept. 30	2472	524 525	112	591
Peck, Clarence W., Paint Post, N. Y., assignor to Imperial Pneumatic Tool Company, Athens, Pa. Pneumatic tool	754,956	Mar. 15	3473	760	109	794
Peck, Edward S., Jr. (See Hoff, Edward J., assignor.)						
Peck, Ezra A., Pekin, assignor to Acme Harvester Company, Peoria, Ill. Harvesting-machine	765,253	July 19	2701	562 563	111	621
Peck, Fred R., Peck, Louis C., and F. R.						
Peck, George M., Hoboken, N. J. Adjustable clothes-line	762,598	June 14	1937	418	110	1877
Peck, Ira F., Cranston, R. I. Machine for setting lacing-tie hooks	765,787	July 26	3812	812	111	869
Peck, Ira F., Cranston, R. I. Machine for setting lacing-hooks	774,271	Nov. 8	1425	305	113	338
Peck, Ira F., Cranston, R. I. Machine for setting lacing-hooks	778,796	Dec. 27	4602	1004 1005	113	2471
Peck, Irving H., Derby, assignor to J. J. Hickey, Huntington, Conn. Fly-papering attachment for box-covering machines	771,662	Oct. 4	874	196	112	1146
Peck, John S., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electrical distribution	751,549	Feb. 9	1411	322	108	1378
Peck, John S., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electrical distribution	758,683	May 3	151	82, 83	110	37
Peck, John S., Pittsburg, and A. L. Zwarnik, Braddock, Pa., assignors to Westinghouse Electric & Manufacturing Company. Moisture-proof case or receptacle	758,684	May 3	153	33	110	37
Peck, John S., Pittsburg, and C. L. Fortescue, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Multiple secondary transformer	767,497	Aug. 16	2777	579 580	111	1693
Peck, John S., Pittsburg, and J. W. Farley, East Pittsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. System of electrical distribution	760,480	May 24	3759	796	110	896
Peck, Louis C. and F. R., Berlin, Wis. Hand-truck	773,027	Oct. 25	3657	789	112	1806
Peck, Luke R., assignor to one-half to F. Wheat, Caro, Mich. Mold for pipe	776,612	Dec. 6	284	63	113	1493
Peck, R. M. (See Smithley, Alfred M., assignor.)						
Peck, Staunton B., assignor to Link Belt Machinery Company, Chicago, Ill. Coal-chute device	753,102	Feb. 23	4437	997	108	2080
Peck, Staunton B., assignor to Link Belt Machinery Company, Chicago, Ill. Conveyor	768,296	Aug. 23	4417	925	111	2074
Peck, Walter E., New York, N. Y. Letter-copying machine	756,522	Apr. 5	650	140	109	1478
Peck, Walter E., New York, N. Y. Letter-copying machine	756,737	Apr. 5	1162	258	109	1592
Peck, Walter W. (See Peck, Christopher and W. W.)	768,297	Aug. 23	4420	929	111	2075
Peck-Williamson Heating & Ventilating Company. (See Gregg, William H., assignor.)						
Peckham, Edgar. (See Price and Peckham.)						
Peckham, Edgar, assignor to Peckham Manufacturing Company, Kingston, N. Y. Car-truck	765,989	July 26	4177	891 892	111	949
Peckham, Edgar, assignor to Peckham Manufacturing Company, Kingston, N. Y. Truck	776,030	Nov. 29	5068	1069 1070	113	1211
Peckham, James M., Fall River, Mass. Picker-check for looms	753,515	Mar. 1	569	130	109	124
Peckham Manufacturing Company. (See Peckham, Edgar, assignor.)						
Peckham Manufacturing Company. (See Price and Peckham, assignors.)						
Peddle, John T., Westminster, London, England. Wind-gage sight for rifles	763,790	June 28	4306	936	110	2434
Peddle, John T., assignor to E. B. Ibbotson and W. Peddie, Montreal, Canada. Rifle-sight	751,200	Feb. 2	775	177	108	1223
Peddle, William, et al. (See Peddie, John T., assignor.)						
Peddycoart, John L., assignor to A. S. Phillips, Chicago, Ill. Flight-forming machine	776,864	Dec. 6	811	175 176	113	1605
Pedersen, Christian, assignor to Landis Machine Company, St. Louis, Mo. Clutch	765,788	July 26	3813	812	111	869
Pedersen, Christian, assignor to Landis Machine Company, St. Louis, Mo. Presser-foot mechanism for sewing-machines	765,854	July 26	3928	838	111	894
Pedersen, Christian, assignor to Landis Machine Company, St. Louis, Mo. Tension for sewing-machines	765,855	July 26	3930	838	111	894
Pedersen, Christian, assignor to Landis Machine Company, St. Louis, Mo. Thread take-off	765,856	July 26	3931	839	111	894
Pedersen, Nils, Borregaard, near Sarpsborg, Norway. Speed-regulator	774,892	Nov. 15	2660	571	113	628
Pedersen, Peder O., Copenhagen, Denmark. Electromagnetic switch device for apparatus for magnetically recording and strengthening the reproduction of speech, &c.	758,858	Feb. 23	3940	884	108	1967
Pedersen, Peder O., Copenhagen, Denmark. Resonance-relay	775,680	Nov. 22	4372	923	113	1041
Pederson, Lars, Manitowoc, Wis. Cabinet	757,957	Apr. 19	3477	732 733	109	2121
Pedigo, Richard E., Lucas, Iowa. Cut-out for rural telephones	772,327	Oct. 11	2249	498	112	1461
Pedley, William E., Riverside, Cal. Mechanism or apparatus for raising or conveying viscous liquids	769,014	Aug. 30	5912	1239	111	2429
Pedrick and Ayer Company. (See Barrow, Thomas, assignor.)						
Peel, Charles F., Jr., New York, N. Y. Automatic safety apparatus for locomotives	761,990	June 7	737	151	110	1660
Peel, John, Drayton, Canada. Logging	755,694	Mar. 29	4327	1072	109	1120
Peeler, Warren F., Jackson, Mich. Machine for making cement blocks	762,937	June 21	2643	573	110	2951

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Peerless Bed Rest Company. (See Roberts, William E., assignor.)						
Peerless Electric Company. (See McBerry, Fred P., assignor.)						
Peerless Electric Company <i>et al.</i> (See McCurdy, Charles B., assignor.)						
Peerless Heater and Valve Company. (See Morency, Alfred F., assignor.)						
Peerless Machinery Company. (See Barna and Hoffman, assignors.)						
Peerless Machinery Company. (See Glass, Perley R., assignor.)						
Peerless Motor Car Company. (See Mooers, Louis P., assignor.)						
Peerless Motor Car Company. (See Mooers, Louis P., assignor.) (Reissue.)						
Peet, Alexander J., Brooklyn, N. Y. Boiler	761,394	May 31	5626	1197	110	1319
Peet, Edward B. (See Peet, Walter F., assignor.)						
Peet, Walter F., assignor of one-half to E. B. Peet, Philadelphia, Pa. Garment-hook	761,008	May 24	4826	1025	110	1127
Peightal, Hugh W., Denver, Colo. Window-screen	767,433	Aug. 16	2637	555	111	1661
Peightal, Hugh W., Denver, Colo. Fly-screen	767,832	Aug. 16	3413	720	111	1832
Pein, Edward J. von. (See Bockhoff and Pein.)						
Pein, Matthew von, Richmond, Ind. Notching-machine	766,896	Aug. 9	1592	334	111	1413
Pelce, Adams T., Dover, N. H. Oil-waste press	769,915	Aug. 30	5914	1239	111	2429
Pelce, Ernest F., assignor to Beaver Dam Malleable Iron Company, Beaverdam, Wis. Railway-tie plate	751,201	Feb. 2	777	107	108	1223
Pelce, George E., Edgewood, R. I. Shoe-fastening device	773,672	Nov. 1	265	61	113	63
Pelce, George W., Stamford, Conn. Vehicle destination-sign	768,192	Aug. 23	4210	885	111	2023
Pelce, George W., Stamford, Conn. Vehicle destination-sign	768,193	Aug. 23	4212	885	111	2029
Pejchar, Josef, New York, N. Y. Cuff-button	766,047	Mar. 29	5527	1219	109	1275
Pejchar, Josef, New York, N. Y. Cuff-button	758,101	Apr. 26	3751	821	109	2205
Pejchar, Josef, New York, N. Y. Jewelry	758,847	May 3	528	107	110	126
Pejchar, Josef, New York, N. Y. Ear-ring	758,848	May 3	528	108	110	126
Pejchar, Josef, New York, N. Y. Combined floor and bedstead	778,797	Dec. 27	4604	1005	113	2471
Pell, Charles H., Newark, N. J., assignor to P. Kelly & Son, Rahway, N. J. Rawhide-splitting machine	754,341	Mar. 8	2193	488	109	496
Pelletier, Lucien, and G. Monier, Jr., assignors to L. J. Phelan, Paris, France. Exercising-machine	767,008	Aug. 9	1801	378	111	1460
Pelmulder, Charles, Grant City, Iowa. Gate-hinge	763,103	Feb. 23	4138	987	108	2080
Pelmulder, Charles, Grant City, Iowa. Ventilator attachment for stoves	753,104	Feb. 23	4439	987	108	2080
Peloux, Albert, Geneva, assignor to Société Anonyme des Ateliers de Mécanique de Précision de Terriert, Terriert, Switzerland. Electric meter	764,253	July 5	694	140	111	153
Peloux, Albert, Geneva, Switzerland, assignor to General Electric Company. Electric meter	765,592	July 19	3377	711	111	766
Pelouze, William N. (See Mulligan, Frank, assignor.)						
Pelouze, William N., Chicago, Ill. Single-piece sheet-metal scale-case and blank therefor	749,497	Jan. 12	1965	408	108	460
Pelouze, William N., Chicago, Ill. Weighing-scale	749,498	Jan. 12	1966	408	108	460
Pelstring, George J., Cincinnati, Ohio. Starting device for explosive-engines	752,412	Feb. 16	3077	689	108	1750
Pelstring, George J., Cincinnati, Ohio, and H. G. Pelstring, Covington, Ky. Speed-regulator for generators	751,993	Feb. 9	2291	512	108	1566
Pelstring, George J., Cincinnati, Ohio, and H. G. Pelstring, Covington, Ky., assignors, by mesne assignments, to Victor Safe & Lock Co., Cincinnati, Ohio. Grinding-machine	753,911	Mar. 8	1393	314 315	109 321	
Pelton, Charles H. (See Smith and Pelton.)						
Pelton, Charles H., assignor to Thomas Manufacturing Company, Springfield, Ohio. Disk drill	777,487	Dec. 13	2002	442	113	1885
Pelton, George M., Chagrin Falls, Ohio. Electrodynamic generator	753,429	Mar. 1	896	92	109	86
Pelton, Richard M., Detroit, Mich. Electrical furnace	759,909	May 17	2658	558	110	632
Pelton, Walter B. (See Code, George, assignor.)						
Pelton, Willis E. (See Barnard, Joseph, assignor.)						
Pelzer, William, New York, N. Y. Door check and closer	754,690	Mar. 15	2961	646 647	109 679	
Pemberton, Lovell B., Redondo, Cal. Electrical heater	764,674	July 12	1609	328	111	968
Pembroke, Charles J. (See Pembroke, Winfield P. and C. J.)						
Pembroke, Winfield P. and C. J., Rochester, N. Y. Carbon-paper machine	778,371	Dec. 27	3802	829 830	113 2295	
Pement, Joseph A., Chicago, Ill. Boiler-brace	752,466	Feb. 16	3170	706	108	1780
Penagos, Eugenio, Bucaramanga, Colombia. Coffee-drier	767,594	Aug. 16	2961	619 620	111 1734	
Pence, Edward L., Memphis, Tenn. Switch-operating device	759,545	May 10	1959	400	110	464
Pence, Edward L., Memphis, Tenn. Switch-operating device	759,546	May 10	1962	401	110	465
Pence, Edward L., Memphis, Tenn. Automatic safety-switch	777,490	Dec. 13	1889	416 417	113 1860	
Pence, John, Gratis, Ohio. Fence	763,202	June 21	3148	677	110	2164
Pendegast, Thomas, assignor of fifty-one to one-hundredths to J. Hertzler, Lancaster, Pa. Record-retainer for liquid-packages	750,390	Jan. 26	3654	794	108	864
Pendleton, Fabius R., Boston, Mass. Can-opener	766,379	Aug. 2	467	100	111	1143
Péne, Xavier, Woodhaven, N. Y. Applicator	772,176	Oct. 11	1945	430	112	1389
Penfield, Fred C. and O. Templyn, Lawrence, Kans. Selective signal system	760,389	May 17	3536	758	110	842
Penfold, Edwin W., Battletree, Mich. Steam-actuated valve	750,486	Jan. 26	3835	833	108	908
Penington, William B. <i>et al.</i> (See Bartlett, Frank, assignor.)						
Peninsular Stove Company. (See Lane and Allen, assignors.)						
Penn Enamel-Ware Co. (See Conrath, George A., assignor.)						
Penn, George R., Dallas, Tex. Gate	770,630	Sept. 20	2877	612	112	682
Penn, William E., assignor to F. B. and E. J. Fargo, Lakemills, Wis. Horse-collar-blocking machine	755,239	Mar. 22	3965	879 880	109 916	
Penn, William E., assignor to F. B. and E. J. Fargo, Lakemills, Wis. Horse-collar-blocking machine	755,534	Mar. 22	4501	1002 1003	109 1030	
Penney, Herbert E., assignor to W. S. Nott Company, Minneapolis, Minn. Steam-generator	751,002	Feb. 2	408	96, 97	108	1148
Penney, Herbert E., assignor to W. S. Nott Company, Minneapolis, Minn. Steam-generator	752,359	Feb. 23	3942	894	108	1968
Penney, Herbert E., assignor to W. S. Nott Company, Minneapolis, Minn. Water-heating apparatus	756,886	Apr. 12	1337	297	109	1643
Penney, Herbert E., assignor to Nott Fire Engine Company, Minneapolis, Minn. Steam-generator	756,694	Apr. 5	955	210	109	1547
Penney, Sarah A. (See Whitmore, Swanton C., assignor.)						
Penniman, William B. D., Baltimore, Md. Extracting resinous matter from long-leaf or pitch pine	762,863	July 12	1985	409	111	451
Penniman, William B. D., Baltimore, Md. Producing high temperature by the use of steam without the production of high pressure	766,841	Aug. 9	1486	311	111	1391
Pennington, Edward J., assignor to W. J. Morgan and A. F. May, Cleveland, Ohio. Running-gear for vehicles	769,401	Sept. 6	321	114	112	118

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Pennington, Edward J., assignor to W. J. Morgan and A. F. May, Cleveland, Ohio. Vehicle	769,402	Sept. 6	522	115	113	118
Pennington, John L., Fort Worth, Tex. Vestibule stock-car	752,707	Feb. 23	3657	814 815	108	1906
Pennington, Richard E., and J. Bellett, Melbourne, Victoria, Australia. Nut-lock	751,550	Feb. 9	1414	322	105	1378
Pennoek, Ambrose M., assignor of one-half to W. J. Thornhill, Bourdon, Mo. Brake-shoe holder	754,604	Mar. 15	2789	608	109	643
Pennsylvania Clay Company. (See Phillips, Maurice W., assignor.)						
Pennsylvania Clay Company. (See Still, Stanley R., assignor.)						
Pennsylvania Globe Gas Light Company. (See Curran, Philip R., assignor.)						
Pennsylvania Globe Gas Light Company. (See Prendergast, Slinack, and Wilson, assignors.)						
Pennsylvania Globe Gas Light Company. (See Slinack, Victor H., assignor.)						
Pennsylvania Pneumatic Pump Company. (See Mayer, Christian F., assignor.)						
Pennsylvania Steel Company. (See Long, Malcolm W., assignor.)						
Pennsylvania Steel Company. (See Long and Hoffer, assignors.)						
Peno, Joseph, Oswego, N. Y. Work-bench clamp	756,137	Mar. 29	5696	1257	109	1311
Penrose, Hallack A., et al. (See Schmitt, Edward D., assignor.)						
Penrose, Richard A., Philadelphia, Pa. Molding apparatus	754,495	Mar. 15	2592	563	109	602
Pentecost, William A., Worcester, Mass. Mechanical movement	761,538	May 31	5863	1257	110	1372
Pentlauge, Frederick, and J. H. Yehr, assignors to United States Bung Manufacturing Company, Cincinnati, Ohio. Tapping apparatus	767,658	Aug. 16	3082	645	111	1761
Pentlauge, Theodore, Essex, N. J., assignor to Williams Manufacturing Company, Northampton, Mass. Apparatus for forming woven fabrics	773,908	Nov. 1	513	111 112	113	119
Peoples Individual Gas Company. (See Severance, Verne C., assignor.)						
Pepin, Alexander L., Norfolk, N. Y. Multiple receptacle for liquids	774,103	Nov. 1	1131	241	113	256
Peppel, Samuel V., Columbus, Ohio. Converting furnace-flue dust into blocks	765,789	July 26	3814	196 197	111	869
Pepper, Alfred. (See Fowler, Benstead, and Pepper.)						
Percival, Isaac W., St. Louis, Mo., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, Pittsburg, Pa. Electric-arc lamp	757,958	Apr. 19	3478	753	109	2122
Percy, Clarence, Jr., Wakefield, La. Gear-lock	753,912	Mar. 8	1395	315	109	321
Percy, Harry C., Natchitoches, La. Trigonometrical meter	771,663	Oct. 4	875	196 197	112	1146
Peregrine, Seymour W., Trenton, Canada. Lock	758,849	May 3	529	108	110	126
Perfect Golf Ball Company. (See Richards, Francis H., assignor.)						
Perfect Sliding Door Company. (See Newell and Schuyler, assignors.)						
Perfection Blind and Lock Stitch Sewing Machine Company. (See Flor, Charles F., assignor.)						
Perfection Manufacturing Company. (See Lamb, Edward M., assignor.)						
Pergoli, Eduardo, et al. (See Galetti, Joseph T., assignor.)						
Perham, Charles F., Lowell, assignor to Perham-Stickney Company, Tewksbury, Mass. Harness-operating mechanism for looms	768,143	Aug. 23	4122	867	111	2010
Perham, Charles F., Lowell, assignor to Perham-Stickney Company, Tewksbury, Mass. Shedding mechanism for looms	768,144	Aug. 23	4123	867	111	2010
Perham, Charles F., Lowell, assignor to Perham-Stickney Company, Tewksbury, Mass. Loom	773,587	Nov. 1	104	21	113	29
Perham-Stickney Company. (See Perham, Charles F., assignor.)						
Perillat, Charles, Boston, Mass. assignor to Kitson Hydrocarbon Heating and Incandescent Lighting Company, Philadelphia, Pa. Hydrocarbon-lamp	760,560	May 24	3921	833	110	933
Pering, Charlie K. (See Filler, Francis M., assignor.)						
Perkiwicz, Max, Ludwigsberg, near Moschin, Germany. Coating bricks and apparatus therefor	771,443	Oct. 4	446	101 102 103	112	1052
Perkins, Albert L., Pleasantgrove, Tex. Check-row planter	765,296	July 19	2778	580	111	637
Perkins, Arthur W., Rutland, Vt. Composition for wall-plaster, &c.	767,434	Aug. 16	2638		111	1661
Perkins, Arthur W., Rutland, Vt. Composition for walls	767,435	Aug. 16	2639		111	1661
Perkins, Charles G., Hartford, Conn. Indicating-dial for snap electric switches	749,949	Jan. 19	2538	606	108	668
Perkins, Charles G., Hartford, Conn. Indicating means for snap electric switches	751,750	Feb. 9	1789	408	108	1456
Perkins, Charles G., Hartford, Conn. Handle for rotary snap electric switches	756,979	Apr. 12	3527	835	109	1682
Perkins, Charles G., Hartford, Conn. Indicator for electric snap-switches	772,051	Oct. 11	1685	376	112	1335
Perkins, Clarence M., St. Louis, Mo. Non-conducting handle	756,401	Apr. 5	423	87	109	1434
Perkins, Claude F., Sioux City, Iowa. Pencil-sharpener	762,754	June 14	2262	492	110	1945
Perkins, David H., Mansfield, assignor to D. F. Briggs Company, Attleboro, Mass. Clasp for jewelry	776,256	Nov. 29	5498	1164	113	1309
Perkins, Eben, St. John, Canada. Machine for swaging heads on nail-blanks	775,499	Nov. 22	3964	837 838	113	952
Perkins, Eben, St. John, Canada. Nail-making machine	777,917	Dec. 20	2896	637 638	113	2086
Perkins, Edward R., Westfield, N. J., assignor to Aeolian Company, New York, N. Y. Perforated music-sheet with guarded fastening device	770,103	Sept. 13	1817	383	112	426
Perkins, Felix A., Port Dover, Canada. Spraying apparatus	770,506	Sept. 20	2607	552	112	682
Perkins, Franklin J., Woburn, Mass., assignor to Vaughn-Rood Machine Company, Portland, Me. Skiving-machine	749,398	Jan. 12	1736	368	108	413
Perkins, Franklin J., Woburn, Mass. assignor to Vaughn-Rood Machine Company, Portland, Me. Fleshing-machine	766,282	Aug. 2	298	60	111	1106
Perkins, Franklin J., Woburn, Mass., assignor to Vaughn-Rood Machine Company, Portland, Me. Machine for unhairing hides or skins	760,016	Aug. 30	5015	1239 1240	111	2429
Perkins, Franklin J., Woburn, Mass., assignor to Vaughn-Rood Machine Company, Portland, Me. Fleshing-machine	769,017	Aug. 30	5019	1240	111	2430
Perkins, Frederick M., Boston, Mass. Wood-carbonizer	749,091	Jan. 5	1091	230	108	251
Perkins, George E., Providence, R. I. Ore-concentrator	769,231	Sept. 6	185	44	112	41
Perkins, John B., Revere, Mass. Feed-water regulator	757,837	Apr. 19	3233	705 706	109	2071
Perkins, John L. (See Pope, Charles E., assignor.)						
Perkins, John L., Holyoke, Mass. Calendaring-roll	776,796	Dec. 6	665	146	113	1573
Perkins, Josiah P., Indianapolis, Ind. Ice-cream freezer	753,622	Mar. 1	768	171	109	166
Perkins, Julius A., Omaha, Nebr. Conometer	764,203	July 5	606	120 121 122	111	135
Perkins, Louis H., assignor to Edward Miller & Company, Meriden, Conn. Electric lamp and shade-holder	778,602	Dec. 27	4248	924	113	2391
Perkins, Ludlow P. (See Kitchen and Perkins.)						
Perkins, Martin V. H., New York, and G. Y. Patterson, Brooklyn, N. Y. Lifting-jack	751,336	Feb. 2	1048	238	108	1281
Perkins, Nathan W., Jr., St. Louis, Mo. Garment-fastener	749,321	Jan. 12	1581	334	108	880
Perkins, Pardon T., assignor of one-half to J. J. Tonkin, Oswego, N. Y. Steam-turbine	766,519	Aug. 2	766	161 162	111	1908

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Perkins, Seth E., Chicago, Ill. Ice-shaver.	773,673	Nov. 1	267	61	113	68
Perkins, William M., et al. (See Calahan, Edward L., assignor.)						
Perkins, William M. (See Graham, Robert S., assignor.)						
Perkins, Willis J., Grand Rapids, Mich. Air-heater.	764,004	July 5	173	30	111	42
Perkins, Willis J., Grand Rapids, Mich. Exhaust-muffler.	765,709	July 26	3622	771	111	882
Perks, George W., Springfield, Ohio. Machine for filling and assembling slide-boxes.	755,312	Mar. 22	4104	807	109	944
Perlich, Emma, Dresden-Striesen, Germany. Fastening device.	777,973	Dec. 20	3023	665	113	2110
Perlie, Rebecca A., Washington, D. C. Garment-supporter.	751,994	Feb. 9	2293	518	108	1566
Pero, George W., West New Brighton, N. Y. Journal-lubricating device.	771,444	Oct. 4	447	162	112	1052
Perotti, Louis, Newark, N. J. Refrigerator.	774,450	Nov. 8	1744	376	113	407
Perotti, Louis, Newark, N. J. Perambulator.	774,451	Nov. 8	1747	377	113	408
Perotti, Louis, Newark, N. J. Music-box.	774,920	Nov. 15	2718	584	113	641
Perrault, Joseph E., assignor to American Lacing Hook Company, Waltham, Mass. Gage for lacing-hook-setting machines.	769,627	Sept. 6	929	201	112	211
Perrault, Peter P. (See Clark and Perrault.)						
Perret, David, Neuchâtel, Switzerland. Electric time system.	768,908	Aug. 30	5692	1197	111	2379
Perret, David, Neuchâtel, Switzerland. Iron-clad electromagnet.	771,323	Oct. 4	203	44	112	1005
Perret, David, Neuchâtel, Switzerland. Electromotive device for clocks.	777,974	Dec. 20	3024	665	113	2111
Perri, Angelo, Haverhill, Mass. Safety device for elevators.	764,762	July 12	1777	363	111	405
Perrie, John, E. Carlson, and J. Perrie, Chicago, Ill. Bolster.	773,674	Nov. 1	269	62	113	64
Perrigo, Stephen M. (See Stretch, Henry F., assignor.)						
Perrin, James H. (See Dyarman and Perrin.)						
Perrin, James H., assignor of one-half to C. E. Bright, Columbus, Ohio. Press for molding building blocks.	752,298	Feb. 16	2851	632 633	108	1712
Perron, Emile G. (See Balling and Perron.)						
Perry, Alfred E. (See Markes and Perry.)						
Perry, Alonzo H., St. Louis county, Mo. Electric separator.	759,910	May 17	2661	558	110	633
Perry, Arthur S., Los Angeles, Cal. Advertising apparatus.	760,242	May 17	3320	697	110	781
Perry, Arthur T. (See Hawkins and Perry.)						
Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Controller-casing.	751,003	Feb. 2	410	97	108	1148
Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Motor-control system.	763,071	June 21	2885	623 624	110	2104
Perry, David N. (See Cone and Perry.)						
Perry, Earle C. (See Desobry, Charles W., assignor.)						
Perry, Elton, Jr., Bridgeport, Conn. Reclining-chair.	774,776	Nov. 15	2422	522	113	577
Perry, Ernest B., and W. Bassett, assignors to Industrial Works, Bay City, Mich. Take-up device for hoisting-buckets.	769,232	Sept. 6	187	44, 45 558 559 561	112	42
Perry, Eugene L., Ocean Grove, N. J. Cigar-banding machine.	759,911	May 17	2662		110	633
Perry, George C., assignor of one-half to C. A. Powell, Whitesboro, N. Y. Sewing-machine guide.	776,683	Dec. 6	433	96	113	1524
Perry, George W., Tuscarora, Pa. Coal-crusher.	778,372	Dec. 27	3805	830	113	2296
Perry Glove and Mitten Company. (See Lamb, Isaac W., assignor.)						
Perry, Ira D., Chicago, Ill., assignor, by mesne assignments, to C. D. Stevens, Muskegon, Mich. Savings-bank.	753,305	Mar. 1	167	38	109	39
Perry, Lewis H., New York, assignor to American Writing Machine Company, Ilion, N. Y. Type-writing machine.	767,528	Aug. 16	2829	591 592	111	1703
Perry Mason Company. (See Humphrey, James, assignor.)						
Perry, Mike and A. Dickson, Tacoma, Wash. Kindling compound and making same.	764,072	July 5	321		111	71
Perry, Milo B., Chicago, Ill. Sterilizing apparatus.	774,948	Nov. 15	2771	593	113	654
Perry, Oscar B., San Francisco, Cal. Tumbler for gold-dredging machines.	767,009	Aug. 9	1803	378	111	1451
Perry, Raymond A., Oakland, Cal. Dredger.	773,337	Oct. 25	4439	941	112	1985
Perry, Thomas O., Chicago, Ill. Windmill.	772,052	Oct. 11	1687	377 378	112	1335
Perry, William B., assignor of one-half to W. and G. J. Heidtmann, Wright City, Mo. Switch-throwing device.	767,436	Aug. 16	2640	555	111	1621
Perry, William J., Redcloud, Nebr. Weather-strip.	761,395	May 31	5627	1198	110	1320
Perry, William S. (See Gilmore and Perry.)						
Perryman, Henry L., Springfield, Ohio. Buckle.	749,879	Jan. 19	2695	576	108	637
Perryman, Henry L., Springfield, Ohio. Buckle.	751,407	Feb. 2	1163	265	108	1305
Person, Axel, Attleboro, Mass., assignor to Watson & Newell Company. Clasp.	750,487	Jan. 26	3837	833	108	904
Person, William, assignor to East Rockford Mantel Company, Rockford, Ill. Sewing-machine cabinet.	769,018	Aug. 30	5921	1241	111	2431
Persons, Elmer B., et al. (See Hachmann, Frederick, assignor.)						
Person, Otto F., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Brake for vehicles.	771,928	Oct. 11	1425	324 325	112	1277
Person, Otto F., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Brake for vehicles.	771,929	Oct. 11	1426	325	112	1277
Pertz, John W., Elwood, assignor of one-third to N. Justice, Lafayette, Ind. Brick-machine.	773,891	Nov. 1	716	152 153	113	164
Perr Plow & Wheel Company. (See Tinsman, Samuel H., assignor.)						
Pervillac, Henry. (See Burdick and Pervillac.)						
Pessou, Alphonse O., New Orleans, La. Cane-harvester.	769,638	Sept. 6	933	202	112	212
Petching, Emil A., Lynmsville, R. I. Electric musical instrument.	763,083	June 7	902	186	111	1633
Peter, George W., St. Louis, Mo. Draft-equalizer.	759,466	May 10	1302	368	110	428
Peter, Louis, St. Paul, Minn. Coal-salt apparatus.	774,394	Nov. 8	1645	353	113	387
Peterson, Bert, Dallas, Tex. Coffee-urn.	755,041	Mar. 22	3618	794	109	842
Peters, Charles, Nampa, Idaho. Rope-socket.	761,396	May 31	5629	1198	110	1320
Peters, Clay. (See Mosteller, Dozier H., assignor.)						
Peters, Ernst, Düsseldorf, Germany. Nut-press.	769,450	Sept. 6	606	112 113	112	137
Peters, Frank M., and H. H. Hungerford, Chicago, Ill.; said Hungerford assignor to said Peters. Machine for wrapping and labeling packages.	770,696	Sept. 20	2969	631 632	112	704
Peters, Frederick, Newark, N. J. Hot-corn fork.	770,104	Sept. 13	1818	384	112	427
Peters, George, Clinton, N. Y. Corn-husking machine.	774,395	Nov. 8	1646	354	113	387
Peters, Heber C., St. Louis, Mo. Feed mechanism for sewing-machines.	768,540	Aug. 23	4920	1030	111	2189
Peters, Joseph, and J. Coleman, El Paso, Tex. Boiler stay-bolt.	770,651	Sept. 20	2971	612	112	683
Peters, Robert D., Knox, Ind. Electrical operated and controlled railway-signal.	750,117	Jan. 19	3153	678	108	734
Peters, Rudolf, Heidelberg, Germany. Utilizing waste ends of carbons.	778,703	Dec. 27	4419		113	2431

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Peters, Walter C., and W. Bellamy, Ely, England. Lock-nut	748,882	Jan. 5	622	140	108	139
Peters, William. (See Pearson and Peters.)						
Peters, William, Melvin, Ill. Feeder for corn-shellers	771,746	Oct. 4	1018	227	112	1177
Peters, William A., assignor of two-fifths to E. L. Cook, Johnstown, Pa. Apparatus for carrying and changing photographic plates	756,402	Apr. 5	425	88	109	1434
Peters, William A., assignor of two-fifths to E. L. Cook, Johnstown, Pa. Apparatus for developing and fixing photographic plates and prints	758,277	Apr. 26	4126	892	109	2381
Petersen, Anker, Boston, Mass. Warp-puller for looms	765,628	June 28	3967	854	110	2361
Petersen, Arnold A., Muscatine, Iowa. Tooth-brush attachment	756,138	Mar. 29	5698	1357	109	1312
Petersen, Charles, San Francisco, Cal. Automatic gun	754,691	Mar. 15	2966	647	109	681
Petersen, Charles, San Francisco, Cal. Ammunition	762,084	June 7	903	188	110	1633
Petersen, Erik, Colorado Springs, Colo. Child's chair for bicycles	778,328	Dec. 27	3696	807	113	2373
Petersen, Hans, Minneapolis, Minn., assignor to Mergenthaler Linotype Company, Linotype-matrix	752,179	Feb. 16	2605	579	108	1655
Petersen, Jacob C., Racine, Wis. Column	760,347	May 17	3507	737	110	822
Petersen, Ludwig T., assignor to himself and J. F. McGuire, Akron, Ohio. Reclaiming and regenerating rubber	774,727	Nov. 8	2320	501	113	535
Petersen, Martin. (See Eckmann, Ernst, assignor.)						
Petersen, Oscar F., Des Moines, Iowa. System for heating, cooling, ventilating, and lighting buildings	770,310	Sept. 20	2253	472	112	543
Petersen, Peter N., Herman, Nebr. Four-horse equalizer	751,004	Feb. 2	412	97	108	1149
Petersen, Thomas, Hartford, Conn. Toy	763,422	June 28	3619	779	110	2387
Petersen, William, Lyons, Iowa. Latch	765,593	July 19	3378	711	111	766
Peterson, Albert H., et al. (See Chapman, William S., assignor.)						
Peterson, Axel F., St. Paul, Minn. Beer-pipe cooler and protector	768,586	Aug. 30	5253	1105	111	2278
Peterson, Carrie B., Knoxville, Ill. Skirt-supporter and shirt-waist holder	758,146	Apr. 26	3866	899	109	2226
Peterson, Christian L. (See Rue, Edward, assignor.)						
Peterson, Eric, E. Snyder, and C. E. Larrabee, assignors to International Time Recording Company, Binghamton, N. Y. Time-recorder	771,494	Oct. 4	535	119	112	1071
Peterson, Frederick R., Malden, Mass. Plastic stair	760,752	May 24	4333	920	110	1021
Peterson, Gust, assignor of one-fourth to W. H. Day, Birmingham, Ala. Expansion-plug for boiler-tubes	778,068	Dec. 20	3190	702	113	2146
Peterson, Hans, Oshkosh, Wis. Neck-yoke	771,173	Sept. 27	3922	827	112	930
Peterson, Jeremiah M., Canisteo, and F. F. Hutchins, assignors of one-third to D. L. Wettlin, Hornellsville, N. Y. Non-refillable bottle	753,306	Mar. 1	169	38	109	39
Peterson, John, Caldwell, N. Y. Heat-regulator	755,928	Mar. 29	5310	1172	109	1228
Peterson, John, St. Paul, Minn. Corn-shock or hay loading or stacking apparatus	769,506	June 28	3783	810	110	2315
Peterson, John, Abenia, N. Y. Steering apparatus for ships	774,693	Nov. 8	2207	481	113	506
Peterson, Nels P., Jewell, Iowa. Everer	768,623	Aug. 30	5114	1075	111	2249
Peterson, Peter, Lexington, Mass. Rail-joint	778,069	Dec. 20	3192	702	113	2146
Peterson, Peter A., Cedar Rapids, Iowa. Blackboard-eraser cleaner	772,832	Oct. 18	3229	704	112	1698
Peterson, Peter B., assignor to Nickel Manufacturing Company, Morris, Ill. Caster	759,912	May 17	2670	561	110	835
Peterson, Peter C., Geyserville, Cal. Vehicle-axle	767,010	Aug. 9	1804	379	111	1461
Peterson, R. Walter. (See Kugler and Morrison, assignors.)						
Peterson, Walfrid C., assignor of one-half to F. Skipton, Geneva, Nebr. Governor for feeders of threshing-machines	749,639	Jan. 12	2188	460	108	510
Peterson, William, Sheboygan, Wis. Liquid-distributor	756,695	Apr. 5	957	210	109	1547
Peterson, William, Buffalo, N. Y. Vase	759,913	May 17	2671	561	110	835
Petit, Ademor N., Waterloo, near Liverpool, England. Apparatus for duplicating sound-record cylinders of phonographs, &c	750,118	Jan. 19	3155	679	108	734
Petit, Ademor N., Waterloo, near Liverpool, England. Celluloid phonograph record-cylinder	750,119	Jan. 19	3159	679	108	735
Petit, Ademor N., Waterloo, near Liverpool, England. Phonograph	766,115	July 26	4429	949	111	1003
Petit, Ademor N., Waterloo, near Liverpool, England. Manufacturing celluloid cylinders for receiving phonographic records	773,978	Nov. 1	887	187	113	204
Petit, Ademor N., Newark, N. J., assignor of one-half to F. M. Prescott, New York, N. Y. Double-faced sound-record	749,092	Jan. 5	1093	231	108	251
Petitdidier, Henry C. F. M., and T. M. Schmitt, assignors to themselves and V. Reclus, Paris, France. Inclosed electric-arc lamp	769,273	Sept. 6	268	63	112	58
Petric, Josef, Laibach, assignor to E. C. Mayer, Gratz, Austria-Hungary. Paper-bag machine	765,149	July 12	2528	528	111	564
Petrie Deep See Diving Company. (See Petrie and Martin, assignors.)						
Petrie, Edward R., Brooklyn, N. Y. Photographic-plate-developing apparatus	773,157	Oct. 25	4058	861	112	1908
Petrie, Enos B., New York, N. Y., and J. E. Martin, assignors to Petrie Deep Sea Diving Company, Newark, N. J. Means for forcing water from diving suits or apparatus	766,405	Aug. 2	468	136	111	1179
Petrie, Enos B., New York, N. Y., and J. E. Martin, assignors to Petrie Deep Sea Diving Company, Newark, N. J. Diving-suit	767,859	Aug. 16	3084	645	111	1761
Petrie, William A., assignor of one-half to E. Brackett, Petoskey, Mich. Stovepipe-lock	750,120	Jan. 19	3161	679	108	735
Petrillo, Joseph, assignor to V. Nivols, Brooklyn, N. Y. Stop-watch	755,313	Mar. 22	4108	907	109	945
Petroskey, John H., Detroit, assignor to H. H. Norrington, West Bay City, Mich. Manufacturing device	756,139	Mar. 29	5699	1257	109	1312
Petroskey, John H., assignor to American Metallic Furniture Company, Detroit, Mich. Floor-rack	777,050	Dec. 6	1198	261	113	1694
Petsche, Gustav B., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Valve-actuating mechanism for blowing-engines	758,931	May 3	702	141	110	164
Pett, Frederick A., Denver, Colo. Horse-collar	751,551	Feb. 9	1414	322	108	1378
Petta, John A. (See Mensor, Greenblatt, and Petta.)						
Pettes, John W., assignor of two-thirds to G. W. Cook, Denver, Colo., and W. P. Jenkins, Chicago, Ill. Car-replacer	775,987	Nov. 29	4983	1052	113	1190
Pettengill, Frederick B., Los Angeles, Cal., assignor of one-half to S. L. Kistler. Centrifugal separator	774,104	Nov. 1	1133	241	113	257
Pettibone, James W., assignor of one-half to Burk & Smith, Muskegon, Mich. Burial-vault	766,283	Aug. 2	301	61	111	1107
Pettibone, Mulliken & Company. (See Strom, Axel A., assignor.)						
Pettingell, George D., Jefferson, assignor of one-half to H. C. Laub, Denison, Iowa. Flexible metal pipe-coupling for connecting the air and steam pipes of railway-cars	757,493	Apr. 19	2563	563	109	1918
Pettit, Azro H. (See Carnes, William T., assignor.)						
Pettit, Jerry P., Newcastle Mills, Ky. Book-holder	751,408	Feb. 2	1166	265	108	1305
Petty, John M., et al. (See Bentel, Lewis O., assignor.)						
Petty, Otis O., Olney, Ill. Foot warmer or heater	750,060	Jan. 19	3055	655	108	713
Peucker, Heinrich E., Dresden, Germany. Manufacture of rulers	757,675	Apr. 19	2946	639	109	2004
Peugeot, Pierre G. A., Paris, France. Steam-generator	759,744	May 10	2336	486	110	544

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Peavey, Waldo L. (See Brown, Arthur H., assignor.)						
Pevoy, Charles K., Worcester, Mass. Clasp	773,979	Nov. 1	890	187	113	204
Pevoto, Calvin F., Nederland, Tex. Match-box	763,567	June 28	3865	837	110	2340
Peyman, John J., Springfield, Mass. Adjustable square	761,707	Sept. 7	174	33	110	1477
Peyser, Henry M. (See Bruffaers, Pierre, assignor.)						
Peyton, Harry, and G. Bodson, Charleroi, Pa. Music-leaf turner	758,850	May 3	530	108	112	126
Peyton, James M., Paducah, Ky. Carriage-top support	770,697	Sept. 20	2972	632	112	704
Pfaff, Albert, Newark, N. J. Cash-register	759,467	May 10	1803	365	110	428
Pfaff, Albert, Newark, assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register	773,158	Oct. 25	4060	861	112	1902
Pfaff, Valentine, San Francisco, Cal. Sawing apparatus	777,533	Dec. 13	2087	459	113	1902
Pfahler, William Q., Leipsic, Ohio. Oil-pump or lubricator	765,994	July 26	4070	869	111	926
Pfalzgraf, Charles F., Baltimore, Md. Enameling metal	774,491	Nov. 8	1828	396	113	425
Pfanschmidt, Charles, Chicago, Ill., assignor to Vibrassage Company. Massage-machine	766,897	Aug. 9	1593	334	111	1414
Pfanschmidt, Charles, Chicago, Ill., assignor to Vibrassage Company. Massage-machine	766,970	Aug. 9	1737	364	111	1447
Pfatscher, Mathias, Philadelphia, Pa. Variable-speed motor	775,310	Nov. 22	3565	752	113	861
Pfatscher, Mathias, assignor to Electro Dynamic Company, Philadelphia, Pa. Telemotor for steering ships or other uses	769,916	Sept. 13	1479	316	112	351
Pfautler Fermentation Co. (See Brogniez, Frantz, assignor.)						
Pfautler, John M., assignor of ten-sixteenths to E. M. Strouss, I. Stern, Rochester, and H. Wile, New York, N. Y. Lamp	773,980	Nov. 1	891	188	113	204
Pfautler Vacuum Fermentation Co. (See Paige, David O., assignor.)						
Pfeffer, John E., and R. H. Layton, Chicago, Ill. Explosive-engine	761,539	May 31	5868	1257	110	1373
Pfeffer, Nicholas, Ripley, Ohio. Wagon-brake	757,959	Apr. 19	3480	753	109	2122
Pfeifer, Catherine, administratrix. (See Pfeifer, Joseph B.)						
Pfeifer, John, assignor to Mast, Face Company, Springfield, Ohio. Pay-out machine	769,274	Sept. 6	271	63.64	112	59
Pfeifer, Joseph B., deceased. Pfeifer, Chicago, Ill., administratrix. Vending-machine.	764,073	July 5	332	63	111	71
Pfeifer, Rudolf. (See Böhmländer and Pfeifer.)						
Pfeiffer, Adolf, Hedelfingen, Germany. Apparatus for feeding gas-retorts	756,696	Apr. 5	958	211	109	1548
Pfeiffer, Christian, assignor to New Britain Hardware Manufacturing Company, New Britain, Conn. Spring-motor	767,235	Aug. 9	2263	471	111	1560
Pfeiffer, Christian, assignor to New Britain Hardware Manufacturing Co., New Britain, Conn. Governor	770,606	Sept. 20	2759	593	112	663
Pfeiffer, Hans, Munich, Germany. Amusement device	764,675	July 12	1610	329	111	369
Pfeiffer, William G., Arlington, Nebr. Spoke-extractor	763,423	June 28	3619	779	110	2287
Pfeister, Henry J., assignor of one-half to W. A. McCallum, Cincinnati, Ohio. Insulated hanger for are-lamps	766,984	Aug. 2	303	61	111	1107
Pfister, Frank E., Oakland, Cal. Gas-generator for explosive-engines	759,011	May 3	843	172	110	195
Pfister, Theophil, London, England. Manufacturing cloissonné ware	751,104	Feb. 2	590	136	108	1186
Pfizer, Harry M., St. Louis, Mo. Draft-gear for railway-cars	772,370	Oct. 15	2351	516	112	1504
Pfizer, Harry M., and C. H. Howard, assignors to American Steel-Body Double-Bolster Co., St. Louis, Mo. Car-truck	774,432	Nov. 8	1859	396	113	425
Pfizer, Otto A., Newburgh, N. Y. Drying-line holder	754,089	Mar. 8	1733	336	109	397
Pfiegbar, Frank P., New Haven, Conn. Die or pattern cutting machine	770,442	Sept. 20	2474	525	112	592
Pfiegbar, Frank P., New Haven, Conn. Driving mechanism	770,981	Sept. 27	3535	745	112	848
Pfiegbar, Frank P., New Haven, Conn. Tool-holder	773,338	Oct. 25	4441	942	112	1955
Pfiegbar, Frank P., assignor to English & Mersick Co., New Haven, Conn. Curtain-fastener	757,838	Apr. 19	3256	706	109	2071
Pfiegbar, Frank P., assignor to English & Mersick Co., New Haven, Conn. Bolt	753,333	Apr. 26	4255	914	109	2310
Pföger Accumulatoren-Werke, A. G. (See Walter, Otto H. F. C., assignor.)						
Pfuger, Charles A., assignor of one-half to J. B. Weir, Chicago, Ill. Cash-box for pneumatic cash-carrier systems	769,233	Sept. 6	189	45	112	42
Pfuger, Florian M., Portland, Ore. Bushing for beer or ale kegs or barrels	771,495	Oct. 4	541	121	112	1072
Pfuger, Frank, and E. Christensen, Portland, Ore. Bung-hole bushing	759,126	May 3	1062	215	110	242
Pfuger, Frank, and E. Christensen, Portland, Ore. Bung-hole borer	761,397	May 31	5630	1198	110	1320
Pfuger, Frank, and E. Christensen, Portland, Ore. Barrel dressing and boring machine	764,624	July 12	1496	306	111	344
Pfugradt, William J., and M. Ries, Milwaukee, Wis. Display device	758,777	May 3	896	79	110	97
Proser, Adolf, and A. Nehren, Achen, Germany. Car-brake	768,399	Aug. 23	4646	972	111	2131
Pfouts, Leroy S., Canton, Ohio. Motor case and gear	775,311	Nov. 22	3569	753	113	862
Pfouts, Leroy S., assignor of one-half to T. F. Turner, Canton, Ohio. Rock-drilling machine	776,613	Dec. 6	286	63.64	113	1493
Pharley, William W., New York, assignor of one-half to G. I. Hovey, Deansboro, N. Y. Apparatus for cooling liquids	761,603	May 31	5981	1285	110	1399
Pharis, Charles S., Syracuse, N. Y. Dumping-wagon	769,957	Sept. 13	1560	333	112	369
Pharis, Mott R. (See Keene and Pharis.)						
Phlegley, Albert. (See Phlegley, Louis W. and E.)						
Phelan, Louis W. and E. Marshall, Mo. Flood gate and fence	750,004	Jan. 19	2940	628	108	690
Phelan, Harry, Jimenez, Mexico. Wrench	778,704	Dec. 27	4420	967	113	2431
Phelan, John M., and H. Billings, Jackson, Mich. Sewer-pipe and coupling	770,383	Sept. 20	2380	503	112	572
Phelan, Louis J. (See Pelletier and Monier, assignors.)						
Phelps, Augustus, Newark, N. J. Button-making machine	772,660	Oct. 18	2929	642	112	1628
Phelps, Byron, Seattle, Wash. Transom-lift	758,685	May 3	154	33	110	38
Phelps, Byron, Seattle, Wash. Lock	769,768	Sept. 13	1198	259	112	288
Phelps, Byron, Seattle, Wash. Lock	769,769	Sept. 13	1202	259	112	289
Phelps, Byron, Seattle, Wash. Keeper-plate for locks and latches	769,770	Sept. 13	1206	260	112	290
Phelps, Byron, Seattle, Wash. Lock	774,970	Nov. 15	2803	601	113	662
Phelps, Byron, New Britain, Conn. Window-lock	769,767	Sept. 13	1196	258	112	285
Phelps, Charles, Oskaloosa, Iowa. Molder's flask	760,616	May 17	2874	602	110	682
Phelps, Fred A., Laconia, N. H. Automatic stationary fire-extinguisher	776,614	Dec. 6	290	64.5	113	1494
Phelps, George B. (See Konigs, Julius J., assignor.)						
Phelps, George H., Boston, Mass. Manfolding apparatus	762,938	June 21	2947	573	110	2052
Phos, Harry L., Chicago, Ill. Printing or embossing press	761,991	June 7	740	151	110	1601
Phelps, Isaac W., New Bedford, Mass. Railway-car	770,698	Sept. 20	2973	633	112	704

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Phelps, Lucius J., assignor to Phelps Motor Vehicle Company, Stoneham, Mass. Motor-vehicle.....	761,398	May 31	5631	{1198 1199}	110	1321
Phelps, Lucius J., assignor to Phelps Motor Vehicle Company, Stoneham, Mass. Electric sparking igniter for explosive-motors.....	768,687	Aug. 30	5254	1106	111	2279
Phelps Motor Vehicle Company. (See Phelps, Lucius J., assignor.)						
Phelps, Oliver. (See Stappes and Phelps.)						
Phenix, William P., Tahoka, Tex. Combination measuring instrument.....	774,365	Nov. 8	1597	343	113	376
Phenix, William P., Tahoka, Tex. Means for securing track-rails to cross-ties.....	777,136	Dec. 13	1344	297	113	1741
Phifer, Washington I., assignor of one-half to H. E. Blakeman, California, Mo., O. Con-rad, and W. F. Quigley. Rotary engine.....	777,692	Dec. 20	2410	{529 530}	113	1987
Phlada. Brewery Appliance Company. (See Rhoads, Samuel M., assignor.)						
Philadelphia Amusement Company. (See Floyd, Byron B., assignor.)						
Philadelphia Arms Company. (See Fox, Harry H., assignor.)						
Philadelphia Arms Company. (See Wirsing, Max, assignor.)						
Philadelphia Extracting Company. (See Peace, Philip P., assignor.)						
Philadelphia Hardware and Malleable Iron Works. (See Finnegan, John, assignor.)						
Philadelphia Pneumatic Tool Company. (See Keller, Julius, assignor.)						
Philadelphia Textile Machinery Company. (See Proctor, Josiah K., assignor.)						
Philadelphia Textile Machinery Company. (See Proctor and Schwartz, assignors.)						
Philbrick, Frank A. (See Clement, John, assignor.)						
Philbrick, Frank B. Waters, Me. Chipping-machine.....	775,382	Nov. 22	3722	790	113	897
Philipp, Louis. (See Miller, James, assignor.)						
Philipp, Otto, Dresden, assignor to Elektrogravure, Gesellschaft mit Beschränkter Haftung, Leipzig-Sellerhausen, Germany. Hydraulic press.....	769,181	Sept. 6	85	21	112	20
Philipp, Otto, Dresden, assignor to Elektrogravure, Gesellschaft mit Beschränkter Haftung, Leipzig-Sellerhausen, Germany. Hydraulic press.....	777,975	Dec. 20	3025	666	113	2111
Philipp, Otto, Dresden, and Trentsch, Leipzig, assignors to Elektrogravure, Gesellschaft mit Beschränkter Haftung, Leipzig, Sellerhausen, Germany. Hydraulic press.....	775,853	Nov. 22	4694	994	113	1106
Philipp, Robert E., Spokane, Wash. Parlor bowling-alley.....	775,246	Nov. 15	3436	736	113	816
Philippe, Emile, Geneva, Switzerland. Stop-watch.....	754,798	Mar. 15	3168	690	109	726
Philippi, Theodore F., St. Louis, Mo. Self-waiting lunch-counter.....	751,681	Feb. 9	1651	375	108	1428
Philippi, Theodore F., East St. Louis, Ill. Punching-machine.....	757,614	Aug. 16	3562	754	111	1865
Philippis, Joseph, and P. de Troussures, Paris, France. Manufacture of compound fabrics from cork and textile fabrics.....	762,492	June 14	1722		110	1832
Philius, Cornelius, Olean, N. Y. Rotary wheel for sharpening razors.....	750,301	Jan. 26	3403	755	108	827
Philippi, Louis, et al. (See Pickel, John W., assignor.)						
Phillips, A. S. (See Paddycoat, John L., assignor.)						
Phillips, Adelbert H., Philadelphia, Pa., assignor, by mesne assignments, to Automatic Packing and Weighing Machine Company. Automatic weighing mechanism.....	765,676	July 26	3564	755	111	821
Phillips, Alexander and J. Glasgow, Scotland. Coffee-urn.....	753,105	Feb. 23	4439	988	108	809
Phillips, Benjamin. (See Winkley and Phillips.)						
Phillips, Charles H., Malden, Mass. Flushing-tank.....	755,166	Mar. 22	3830	847	109	881
Phillips, Charles H., Maplewood, Mass. Flushing-tank for water-closets.....	768,468	Aug. 30	5257	1106	111	2279
Phillips, Charles O., assignor of one-half to H. C. Streeter, Kalamazoo, Mich. Guard for trolley-wheels.....	760,145	May 17	3141	657	110	741
Phillips, Claude S., Fairmont, W. Va. Cuspidor.....	759,547	May 10	1964	401	110	465
Phillips, Darius T., assignor of one-half to F. C. Stevens, Chicago, Ill. Corn harvesting, binding, and shocking machine.....	763,629	June 28	3669	864	110	2361
Phillips, Darius T., assignor of one-half to F. C. Stevens, Chicago, Ill. Corn-harvester.....	763,630	June 28	3973	866	110	2362
Phillips, Darius T., assignor of one-half to F. C. Stevens, Chicago, Ill. Corn-shock loader.....	763,631	June 28	3975	867	110	2362
Phillips, Darius T., assignor of one-half to F. C. Stevens, Chicago, Ill. Corn cutting and shocking machine.....	763,632	June 28	3977	867	110	2363
Phillips, David, Pony, Mont. Tunnel construction.....	760,243	May 17	3322	698	110	782
Phillips, David E., Mahanoy City, Pa. Conveyor-chain.....	765,990	July 26	4179	892	111	950
Phillips, Edward, assignor of one-half to R. B. Tarlton, East St. Louis, Ill. Shoe-fastener.....	770,535	Sept. 20	2663	563	112	634
Phillips, Elwood C., Chicago, Ill. Fuse for electric circuits.....	750,244	Jan. 19	3387	731	108	785
Phillips, Elwood C., Chicago, Ill. Tobacco-stemming machine.....	766,466	Aug. 2	642	137	111	1179
Phillips, Elwood C., assignor to M. Tullgren and C. K. Pittman, Chicago, Ill. Apparatus for perforating music-sheets.....	767,362	Aug. 9	2484	520	111	1608
Phillips, Frank E., Hydepark, Mass. Electric-current regulator.....	767,363	Aug. 9	2486	521	111	1608
Phillips, George W., and W. H. Way, Cleveland, Ohio. Horse-boot.....	767,833	Aug. 16	3414	720	111	1832
Phillips, Henry H., Philadelphia, Pa. Water-closet seat.....	773,159	Oct. 25	4074	863	112	1906
Phillips, Hiram W., Quincy, Mass. Pile-driving apparatus.....	763,791	June 28	4908	936	110	2434
Phillips, James J., Womelsdorf, assignor of one-half to C. Scott, Coalton, W. Va. Railway tie and chair.....	757,960	Apr. 19	3483	754	109	2123
Phillips, John. (See Phillips, Alexander and J.)						
Phillips, John B., San Bernardino, Cal. Machine for grinding piston chambers and rings.....	753,307	Mar. 1	171	39	109	40
Phillips, John E., assignor to Phillips Pressed Steel Company, Joliet, Ill. Valved bung for barrels or similar receptacles.....	750,037	Jan. 19	3005	644	108	703
Phillips, John H., Pottsville, Pa. Air-brake coupling.....	753,308	Mar. 1	172	39	109	40
Phillips, John M., Carrick, Pa. Bumper and coupling for mine-cars.....	751,632	Feb. 9	1653	376	108	1428
Phillips, Martin T., Akron, Ohio. Sheet-music turner.....	753,623	Mar. 1	769	171	109	167
Phillips, Maurice W., Philadelphia, Pa., assignor to Pennsylvania Clay Company. Apparatus for separating clay or other insoluble materials.....	750,931	Jan. 26	3655	794	108	894
Phillips, Maurice W., Philadelphia, Pa., assignor to Pennsylvania Clay Company. Separating clay or other insoluble materials.....	763,792	June 28	4309	937	110	2434
Phillips, Orie, Madisonville, Ky. Egg-case.....	763,923	June 28	4560	966	110	2487
Phillips, Paul J., Chicago, Ill. Steam-cooker.....	778,143	Dec. 20	3334	732	113	2175
Phillips Pressed Steel Company. (See Phillips, John E., assignor.)	755,042	Mar. 22	3619	794	109	843
Phillips, Ralph H., Rathbone, Okla. Ter. Windmill.....	767,080	Aug. 9	1948	406	111	1494
Phillips, Ross M. G., assignor to Ideal Holster Company, Los Angeles, Cal. Attachment for firearms.....	762,862	June 14	2492	539	110	1947
Phillips, Thomas H., St. Davids, Pa. Reciprocating engine.....	762,755	June 14	2492	492	110	1946
Phillips, Warren B., Fort Wayne, Ind. Glove.....	758,000	Feb. 23	4248	946	108	2038
Phillips, William A., assignor of four-fifths to F. M. Rumbold, St. Louis, Mo. Crutch.....	770,023	Sept. 13	1686	357	112	394
Phillips, William A., and F. Hutchins, London, England; said Phillips assignor to said Hutchins. Spinning cotton or other fibers.....	778,603	Dec. 27	4249	925	113	2391

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Phillips, William A., and F. Hutchins, London, England; said Phillips assignor to said Hutchins. Apparatus for spinning cotton or other fibers.....	778,604	Dec. 27	4251	926 927	113	2392
Phillips, William P., assignor of one-half to M. Scott, Jacksonville, Fla. Carbureter.....	755,167	Mar. 22	3835	847	109	890
Phillips, William V., Wright City, Mo. Corn-harvester.....	763,424	June 28	3620	779	110	2287
Philo, C. L., and B. Fenton, Mich. Adjustable window-screen.....	777,863	Dec. 20	2761	610	113	2064
Philo, Edgar W., assignor to C. L. Philo, Salem, N. Y. Incubator.....	756,277	Apr. 5	168	34	109	1379
Philp, Casimir von, West Bethlehem, Pa. Cushioning device.....	777,534	Dec. 13	2093	490 461	113	1903
Philp, Casimir von, West Bethlehem, assignor to Bethlehem Steel Company, South Bethlehem, Pa. Rolling-mill.....	749,745	Jan. 19	2454	522	108	584
Philp, Frederick D., Buffalo, N. Y. Globe-valve.....	751,005	Feb. 2	412	98	108	1149
Philp, John, New York, N. Y. Heat-circulator for boiler-tubes.....	754,342	Mar. 8	2194	488	109	496
Philp, John, New York, N. Y. Sounding apparatus.....	756,887	Apr. 12	1338	297 298	109	1644
Phinney, Ansel H., Turner, Mich. Ore sizer and concentrator.....	763,019	June 21	2780	602	110	2081
Phipps, Abner A. (See Wiley, John I., assignor.).....						
Phipps, William G., Stockton, Cal. Ore-grinder.....	749,630	Jan. 12	2192	461	108	511
Phoenix Boat Machinery Company. (See Keats, John, assignor.).....						
Phoenix Electric Manufacturing Company. (See Levison, Emanuel, assignor.).....						
Phoenix Fire Extinguisher Co. (See Hunt, Jarvis, assignor.).....						
Phoenix Glass Company. (See Eusko, Louis, assignor.).....						
Phoenix Glass Company. (See Grundstrom, Anton, assignor.).....						
Phoenix Investment Company (See Hill, Alfred W., assignor.).....						
Phonic Carbon Company. (See Hill, Alfred W., assignor.).....						
Phronimos, Demosthenes, Washington, D. C. Wind-motor.....	756,278	Apr. 5	170	34	109	1380
Piat, Albert, Paris, France. Burner.....	761,604	May 31	5083	1385	110	1400
Piatt, William M., West Liberty, Ohio. Mowing-machine.....	753,127	May 3	1083	216	110	242
Picard, Léger, and G. Bureau, St. Roch de Quebec, Canada. Steam-actuated valve.....	767,498	Aug. 16	2780	580	111	1693
Pick, Robert F., assignor of three-fourths to A. L. Clark, New York, N. Y. Pasting-machine.....	771,998	Oct. 11	1568	351 352	112	1038
Pickard, Addie C., Perry, Okla. Ter. Key-fastener.....	760,146	May 17	3143	657	110	741
Pickard, George A., Altrincham, England. Apparatus for storing or carrying angles; artificial ribs.....	758,309	Mar. 1	174	39	109	40
Pickard, Greenleaf W., Amesbury, Mass., assignor to American Telephone and Telegraph Company. Alternating-current relay.....	749,399	Jan. 12	1738	368	108	414
Pickard, Greenleaf W., Amesbury, Mass., assignor to American Telephone and Telegraph Company. Alternating-current signal-receiving apparatus.....	758,468	Apr. 26	4504	968	109	2266
Pickard, Orson L., Chicago, Ill. Rim for rubber-tired wheels.....	771,445	Oct. 4	448	102	112	1052
Pickard, William, Philadelphia, Pa. Nut-lock.....	765,991	July 2	4182	893	111	950
Pickard, William S. (See Doersch, Henry C., assignor.).....						
Pickel, John W., assignor of three-eighths to L. Philippi, R. Snyder, Crystal City, J. F. Donnell and P. Lorenz, Festus, Mo. Drill.....	766,196	Aug. 2	83	15, 16	111	1060
Pickel, John W., Crystal City, assignor of three-eighths to J. F. Donnell, P. Lorenz, Festus, Mo. Drill.....						
Pickel, P. Philippi, and R. Snyder, Crystal City, Mo. Rotary engine.....	775,429	Nov. 22	3824	809	113	922
Pickens, Joseph W., and A. J. Ross, Jonesboro, La. Burglar-alarm.....	777,535	Dec. 13	2095	461	113	1904
Picker, Louis M., and J. H. Schumer, New York, N. Y. Display-case.....	766,197	Aug. 2	87	16	111	1060
Pickering, William S., and H. Grove, Exeter, England. Center valve for gas-purifiers.....	761,992	June 7	742	132	110	1601
Pickering, William S., and H. Grove, Exeter, England. Center valve for gas-purifiers.....	751,993	June 7	744	132	110	1602
Pickert, Augustus F., Atlanta, Ga. Clothes-pin.....	768,738	June 28	4311	937	110	2435
Pickett, Charles E., Bayonne, N. J. Drying and calcining kiln.....	753,624	Mar. 1	770	171 172	109	167
Pickett, Charles H., Eugene, Oreg. Pot-cover.....	760,753	May 24	4334	920	110	1021
Pickett, William H., Shannopin, Pa. Device for delivering train-orders, messages, &c.....	749,093	Jan. 5	1095	231	108	252
Pickles, Charles K., assignor to J. A. Brill, Philadelphia, Pa. Street-car.....	753,314	Mar. 22	4110	908	109	945
Pickles, Charles K., assignor to J. A. Brill, Philadelphia, Pa. Curtain for cars.....	774,949	Nov. 15	2772	594	113	654
Pickles, Charles K., assignor to J. A. Brill, Philadelphia, Pa. Brake mechanism.....	774,950	Nov. 15	2773	594	113	654
Pickles, Charles K., assignor to J. A. Brill, Philadelphia, Pa. Curtain-rod for cars.....	774,951	Nov. 15	2774	594	113	654
Pickles, Charles K., assignor to J. A. Brill, Philadelphia, Pa. Curtain attachment for railway cars.....	774,952	Nov. 15	2775	594	113	655
Pickles, Thomas, Burnley, England. Weft-fork and weft-fork grid in looms for weaving.....	777,137	Dec. 13	1946	297	113	1742
Pidgeon, Andrew D., Chicago, Ill. Retractable car-fender.....	774,396	Nov. 8	1649	354 355	113	387
Pidgin, Charles F., Boston, Mass. Apparatus for recording statistical data.....	755,168	Mar. 22	3837	847	109	890
Pidgin, Charles F., Boston, Mass. Apparatus for compiling statistics.....	755,695	Mar. 29	4328	1073	109	1120
Pidgin, Charles F., Boston, Mass. Counting device.....	772,371	Oct. 18	2853	516	112	1504
Piek, Stephen, Buffalo, N. Y. Lifting-magnet.....	777,221	Dec. 13	1490	323 320	113	1772
Pielock, Eduard, Berlin, Germany. Steam-superheater.....	764,625	July 12	1500	307	111	344
Pienkowsky, Charles A., assignor to Anthony Shield Company, Chicago, Ill. Dress-shield.....	754,234	Mar. 8	2009	446	109	458
Pieper, Alphonse F., Rochester, N. Y. Sparking plug.....	764,626	July 12	1501	307	111	345
Pieper, Harry F., New York, N. Y. Automatic power cut-out for electric railways.....	756,323	Apr. 5	653	140	109	1480
Piepmeyer, Charles E., Rockville, Mo. Windmill-regulator.....	764,627	July 12	1503	307	111	345
Pierce, Charles E., Cambridge, Mass. Set-screw guard.....	761,708	June 7	175	33	110	1477
Pierce, Charles E., Buffalo, N. Y. Bicycle.....	775,935	Nov. 29	4851	1027 1028	113	1160
Pierce, Charles H., Alma, Cal. Railway-velocipede.....	753,106	Feb. 23	4441	988	108	2081
Pierce, Charles H., Alma, Cal. Pneumatic tire.....	773,588	Nov. 1	106	22	113	29
Pierce, Charles S. (See Farrington, William A., assignor.).....						
Pierce, Claude F., St. Louis, Mo. Automatic car-brake.....	769,234	Sept. 6	190	45, 46	112	42
Pierce, Clement H., Kilbourn, Wis. Composition for treating piano pins and strings.....	767,499	Aug. 16	2783	523	111	1694
Pierce-Crouch Engine Company. (See Rawl and Reehl, assignors.).....						
Pierce, Edward, West Burlington, Iowa. Slop-pail.....	763,924	June 28	4562	996	110	2487
Pierce, Erastus E., and L. W. Newton, assignors to Standard Horse Nail Company, New Brighton, Pa. Machine for the manufacture of horseshoe-nails.....	752,255	Feb. 16	2766	613 614 615	108	1694
Pierce, Erastus E., and L. W. Newton, assignors to Standard Horse Nail Company, New Brighton, Pa. Machine for feeding and sorting nail-blanks.....	757,676	Apr. 19	2947	640 641 642	109	2004
Pierce, George W., Butte, Mont. Lever-locking device for electric starting-boxes.....	769,111	Aug. 30	6099	1276	111	2469
Pierce, Harry M., Wilmington, Del. Shell-filling machine.....	760,244	May 17	3323	698 699	110	782

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Pierce, James M., Redfield, Iowa. Unloader and conveyer.....	761,709	June 7	177	33	110	1477
Pierce, John F., Rowlesburg, W. Va. Copy-holder.....	771,174	Sept. 27	3923	828	112	931
Pierce, Richard H., et al. (See Moody and Small, assignors.)						
Pierce, Simeon F., St. Paul, Minn. Furnace.....	772,053	Oct. 11	1694	378	112	1337
Pierce, T. Raymond. (See Seavey, Frank H., assignor.)						
Pierce, Theodore S., Detroit, Mich. Making paving-brick.....	756,798	Apr. 5	1165	.....	109	1593
Pierce, Thomas D., Cleveland, Ohio. Catch-basin.....	768,194	Aug. 23	4215	886	111	2029
Pierce, Thos. H. B. (See Piper, William H., assignor.)						
Pierce, William R., Horton, Kans. Fire-extinguisher.....	764,763	July 12	1779	364	111	405
Pierman, Alexander N. (See Miller and Pierman.)						
Pierre, Olen, Husser, La. Well-bucket.....	755,535	Mar. 22	4508	1002	109	1031
Pierson, Leon. (See Raynaud and Pierson.)						
Pierson, Edward, Milan, Kans. Disk-sharpener.....	748,785	Jan. 5	425	97	108	95
Pierson, Edwin W., Newark, and R. E. Clark, South Orange, N. J. Printer's galley.....	767,168	Aug. 9	2138	445	111	1539
Piesbergen, Rudolf. (See Ebert, Georg, assignor.)						
Pieser, Isaac, et al. (See Bitner, Harry, assignor.)						
Pietsch, Adolph, Milwaukee, Wis. Scouring-machine.....	748,736	Jan. 5	426	97	108	95
Piffard-Francis, Nina H., New Rochelle, N. Y. Disappearing faucet.....	771,884	Oct. 11	1322	361	112	1257
Pigeon, Charles J., Paris, France. Tire for vehicle-wheels.....	760,147	May 17	3145	657	110	741
Piggott, Edmund, assignor to Piggott Manufacturing Company, Ltd., Detroit, Mich. Wheel-hoe.....	750,218	Jan. 19	3333	720	108	772
Piggott, Edmund, assignor to Piggott Manufacturing Company, Ltd., Detroit, Mich. Combined wheel and hand hoe.....	751,105	Feb. 2	592	136	108	1187
Piggott Manufacturing Company. (See Piggott, Edmund, assignor.)						
Pigou, Meynell H., Dartford, England. Cigar-holder.....	765,677	July 26	3568	756	111	822
Pigue, Edward H. (See Mulvey, Patrick J., assignor.)						
Pihl, Nils H. C. (See Ekman and Pihl.)						
Pike Adding Machine Company. (See Pike, William H., Jr., assignor.)						
Pike, Boaz D., San Francisco, Cal. Explosive and making same.....	751,751	Feb. 9	1790	.....	108	1456
Pike, Clinton B., assignor of one-half to W. M. Wadley, Birmingham, Ala. Coffee-pot percolating and circulating attachment.....	767,595	Aug. 16	2964	620	111	1735
Pike, George W., and F. M. Andrus, Newburg, Ohio. Folding stool.....	755,043	Mar. 22	3621	794	109	843
Pike, Herbert, et al. (See Pike, John E., assignor.)						
Pike, John E., assignor of two-thirds to T. W. Buck and H. Pike, Philadelphia, Pa. Lace-pattern mechanism for straight-knitting machines.....	765,510	July 19	3234	677	111	735
Pike, Otto S., Malden, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic carrier.....	760,701	May 24	4216	896	110	996
Pike, Robert D., Stanford University, Cal. Bottle.....	765,439	July 19	3086	646	111	704
Pike, William H., Jr., assignor to Pike Adding Machine Company, St. Louis, Mo. Adding and recording machine.....	768,692	June 28	4101	893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	110	2390
Pike, William H., Jr., assignor to Pike Adding Machine Company, Orange, N. J. Adding-machine.....	767,596	Aug. 16	2966	620	111	1736
Pilcher, John V., Louisville, Ky. Button.....	775,457	Nov. 22	3889	822	113	935
Pilcher, John V., Louisville, Ky. Garment-fastener.....	776,684	Dec. 6	434	97	113	1324
Pilkington, Joseph H., assignor to Smith & Griggs Manufacturing Company, Waterbury, Conn. Garment-supporter.....	758,686	May 3	155	33	110	38
Pilkington, Joseph H., assignor to Smith & Griggs Manufacturing Company, Waterbury, Conn. Fastener.....	767,236	Aug. 9	2266	473	111	1561
Pilkington, Joseph H., Waterbury, Conn., assignor to C. J. Haley & Company, New York, N. Y. Hose-supporter.....	762,354	June 14	1870	401	110	1864
Pilling, Charles J., Lansdowne, Pa. Burette.....	752,356	Feb. 16	2361	659	108	1736
Pilling, Luther. (See Bailey, Benjamin L., assignor.)						
Pilling, Luther, Danielson, Conn. Lug-strap for loom picker-sticks.....	756,048	Mar. 29	5528	1219	109	1275
Pilliod, Eugene, Wynant, Ohio. Press.....	751,752	Feb. 9	1792	408	108	1456
Pillmore, William F., and D. Andereg, Westernville, N. Y. Pea-hulling machine.....	752,256	Feb. 16	2769	614	108	1693
Pillsbury, Edwin S., St. Louis, Mo. Electric motor.....	770,923	Sept. 27	3420	721	112	820
Pillsbury, Edwin S., St. Louis, Mo. Electric motor.....	770,924	Sept. 27	3423	723	112	821
Pillsbury, Edwin S., and E. Bretch, assignors to H. E. Lindsey Electrical Supply Company, St. Louis, Mo. Motor.....	770,922	Sept. 27	3416	720	112	819
Pilot, William, assignor of one-half to F. Kohn and C. E. Shipley, Denver, Colo. Music-leaf turner.....	759,839	May 10	2520	526	110	585
Pilatneeks, Jacob, Riga, Russia. Electrical device for operating the keys of typewriters, &c.....	761,179	May 31	5197	1104	110	1225
Pile, Theodore, assignor of one-half to R. J. Hauser and W. H. Kaufmann, Cincinnati, Ohio. Fastener for the corners of paper boxes or the like.....	775,090	Nov. 15	3063	650	113	724
Pinch, Frank, Oswego, assignor of one-half to R. B. Lakin, Sidney, N. Y. Rod-packing.....	753,731	Mar. 1	990	224	109	314
Pinch, Pearse, Chicago, Ill. Fruit-picker.....	750,061	Jan. 19	3056	656	108	713
Pinchback, Thomas W., Gibsland, La. Umbrella.....	753,107	Feb. 23	4442	988	108	2061
Pindstoffe, Anders A., Copenhagen, Denmark. Bottle-washing machine.....	771,664	Oct. 4	876	197	112	1147
Pine, Harry G., Oskaloosa, Iowa. Post-hole digger.....	750,888	Feb. 2	309	47	108	1104
Pine, James K. P., et al. (See Mesick, Charles W., assignor.)						
Pine, James K. P., et al. (See Palmer, Stephen, assignor.)						
Pine, James K. P., et al. (See Waterman, Marcus M., assignor.)						
Pinegar, Robert F., Oakwood, Ill. Door-latch.....	775,854	Nov. 22	4695	944	113	1108
Pinkerton, Harry W., Randolph, Mass. Shoelacing.....	749,904	Jan. 19	2741	587	108	648
Pinkham, Delmar D., Longview, Tex. Screen.....	754,799	Mar. 15	3170	691	109	728
Pinkham, Delmar D., Longview, Tex. Screen.....	754,800	Mar. 15	3172	692	109	727
Pinkham, Eli H. (See Lovejoy, Zebulon, assignor.)						
Pinnell, John S., Crossville, Tenn. Fuzzle.....	774,197	Nov. 8	1992	274	113	309
Pinnick, Young F., Hymer, Kans. Dancing doll.....	758,469	Apr. 26	4507	968	109	2366
Pinter, Francis T., Yoakum, Tex. Cotton-seed separator.....	769,711	Sept. 13	1102	236	112	267
Pioch, Frank J., Creston, Iowa. Stove.....	748,648	Jan. 5	185	45	108	41
Pioch, Frank J., Provo City, Utah. Seam for metallic roofing.....	762,399	June 21	2650	574	110	2032
Pioch, Frank J., Provo City, Utah. Stove.....	767,894	Aug. 16	3415	721	111	1652
Piper, Edward E. (See Poole, John H., assignor.)						
Piper, Edward S., Toronto, Canada. Train-order signal.....	761,902	June 7	584	117	110	1569
Piper, Herbert H., assignor of five-sixths to R. Reehan, P. Snider, and H. J. Behrens, Jackson, Mo. Wagon-brake.....	753,732	Mar. 1	991	225	109	214
Piper, Herbert H., assignor of four-fifths to J. Mabrey, P. Snider, H. J. and C. Behrens, Jackson, Mo. Wagon-brake.....	753,733	Mar. 1	992	225	109	214

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Piper, James K., Wilmerding, Pa. Cotton-picker	768,400	Aug. 23	4647	973 973 974 468 480	111	2182
Piper, John, Kampsville, Ill. Work-holder for sawing-machines	754,343	Mar. 8	2195	480	109	497
Piper, Joseph W., Lowell, Mass. Grate for stoves or furnaces	774,397	Nov. 8	1652	355	113	388
Piper, Oscar C., Horsens, Denmark. Meter for measuring water or other liquids	753,001	Feb. 23	4249	947	108	2038
Piper, William H., assignor of one-half to T. H. B. Pierce, Dexter, Me. Extension-ladder	762,346	June 14	1416	306	110	1766
Pipes, Uriah C., Arcadia, La. Musical instrument	776,933	Dec. 6	953	203	113	1636
Pipher, Edward, assignor of twelve twenty-fifths to H. T. Bush, Detroit, Mich. Molding-machine	778,329	Dec. 27	3698	807	113	2273
Pipher, John H., et al. (See Pipher, William E. A., assignor.)						
Pipher, William E. A., assignor of one-third to W. G. McGlaughlin and J. H. Pipher, Parkers Landing, Pa. Well-jack	775,733	Nov. 22	4465	945	113	1061
Pippert, Willis, assignor to Continental Paper Bag Company, Rumford Falls, Me. Apparatus for feeding self-opening square paper bags	750,302	Jan. 26	3494	756	108	827
Pippert, Willis, assignor to Continental Paper Bag Company, Rumford Falls, Me. Paper-bag-feeding apparatus	756,279	Apr. 5	172	35, 36	109	1381
Pirosh, Berthold, Chicago, Ill. Filing-case	766,285	Aug. 2	304	61	111	1108
Piscicelli, Roberto T., Naples, Italy. Electric despatch-box for overhead lines	773,476	Oct. 25	4613	974 975	112	2022
Pitcher, George E., et al. (See Dupuis and Fell, assignors.)						
Pitel, Conrad M., Meriden, Conn. Extension-fixture for incandescent electric lamps	754,235	Mar. 8	2010	447	109	459
Pitel, Conrad M., Meriden, Conn. Switch for incandescent electric lamps	756,049	Mar. 29	5530	1219	109	1276
Pitel, Conrad M., Meriden, Conn. Coupling for incandescent electric hanging or suspension lamps	756,050	Mar. 29	5532	1219	109	1276
Pithouse, Arthur W., assignor to W. H. Hart, Jr., Philadelphia, Pa. Neckwear-fastening	768,949	Aug. 30	5778	1215	111	2399
Pitkin, Julian H., assignor to International Harvester Company, Chicago, Ill. Spreading-roll for corn huskers and shredders	754,158	Mar. 8	1855	414	109	427
Pitkin, Julian H., Chicago, Ill. assignor to International Harvester Company. Self-feeder for corn huskers and shredders	762,438	June 14	1603	349 350 351	110	1806
Pitner, Henry B., East Aurora, N. Y. Upholstering device	750,690	Jan. 26	4218	915	108	982
Pitney, Arthur H., Chicago, Ill. Mail-marking machine	753,207	Feb. 23	4625	1030 1031	108	2122
Pitrat, Claude R., assignor to Magneto Electric Company, Incorporated, Amsterdam, N. Y. Rheostat	754,692	Mar. 15	2972	648	109	682
Pitrat, Claude R., assignor to F. B. Cook, Chicago, Ill. Self-soldering fuse-post	767,437	Aug. 16	2642	355	111	1661
Pitt, Miles, Indianapolis, Ind. Water-faucet	754,344	Mar. 8	2198	489	109	497
Pitt, Rafford. (See Pitt, William R. and R.)						
Pitt, Walter H. (See Sittmann and Pitt.)						
Pitt, William P., Independence, assignor to Irving-Pitt Mfg. Co., Kansas City, Mo. Loose-leaf book	778,070	Dec. 20	3192	702 683 684	113	2146
Pitt, William R. and R., New Rochelle, N. Y. Door, gate, &c	762,413	Feb. 16	3079	100 101 102	108	1760
Pitt, William R. and R., New Rochelle, N. Y. Gate for locomotive-tenders	766,380	Aug. 2	469	100 101 102	111	1144
Pitt, William R. and R., New Rochelle, N. Y. Door, gate, or like structure	774,493	Nov. 8	1882	397 398	113	426
Pittenger, W. H. (See Whelan, Andrew, assignor.)						
Pittler, Wilhelm von, Leipzig-Gohlis, Germany. Rotary engine	750,219	Jan. 19	3334	720 721	108	772
Pittman, Clement K., et al. (See Phillips, Elwood C., assignor.)						
Pitts, Edward L., assignor of one-half to W. M. Parks, Jerome, Ariz. Ter. Pomade-can	752,586	Feb. 16	3394	737	108	1831
Pitts, Edward L., assignor of one-half to W. M. Parks, Jerome, Ariz. Ter. Collar or cuff holder	752,587	Feb. 16	3395	737	108	1831
Pitts, Joseph A. (See Samuels, Jacob, assignor.)						
Pittsburg Armature Works. (See Haller, Winfield A., assignor.)						
Pittsburg Forge and Iron Company. (See Barr, John H., assignor.)						
Pittsburg Gas Engine Company. (See McCall, Harry M., assignor.)						
Pittsburg Meter Company. (See Wittmer, Xavier, assignor.)						
Pittsburg Valve, Foundry and Construction Company. (See Nordenskjöld, Anton F., assignor.)						
Pittsburg Valve, Foundry and Construction Company. (See Robinson, Houghton B., assignor.)						
Pittsburgh Crushed Steel Company. (See Flexner, Isidor, assignor.)						
Pittsburgh Hair Felt Company. (See Bellman, Henry J., assignor.)						
Pittsburgh Lamp, Brass & Glass Company. (See Painter, William A., assignor.)						
Pittsburgh Plate Glass Company. (See Stutz, Charles C., assignor.)						
Pittsfield Spark Coil Company. (See Jacobson, Edward B., assignor.)						
Piva, Celestino, et al. (See Galetti, Joseph T., assignor.)						
Pixley, Charles H., Chicago, Ill. Eyeglasses	750,392	Jan. 26	3657	795	108	865
Place, Bion C., Hartwell, Ohio. Lazy-back for vehicle-seats	749,804	Jan. 19	2562	544	108	607
Place, Bion C., Hartwell, Ohio. Lazy-back attachment for vehicle-seats	749,805	Jan. 19	2563	544	108	607
Place, John A., Geneva, N. Y. Lubricator	778,265	Dec. 27	3976	783	113	2245
Place, Joseph R., and N. A. Keys, Burlington, Iowa. Mechanism for securing rubber tires to felles	758,605	Apr. 26	4782	1029	109	2428
Plaismetty, Achille M., Paris, France. Gearing	768,342	Aug. 23	4499	946	111	2092
Plaismetty, Achille M., Paris, France. Manufacture of threads for incandescent mantles or illuminating-bodies	756,888	Apr. 12	1942	298	109	1645
Plaismetty, Achille M., Paris, France. Manufacture of incandescent filaments and mantles	768,073	Aug. 23	3979	836	111	1979
Plaismetty, Achille M., Paris, France. Manufacture of incandescent filaments and mantles	768,145	Aug. 23	4125	867	111	2010
Plander, John F., Dayton, Ohio. Pneumatic harness-saddle	768,145	Aug. 23	4125	867	111	2010
Planets Company. (See Pattee, Herbert H., assignor.)						
Plank, Arthur C. (See Plank, Leland H. and A. C.)						
Plank, Leland H. and A. C., Rochester, Minn. Brace attachment for pivoted draft-bars of vehicles	759,745	May 10	2337	487	110	545
Plank, Leland H. and A. C., Rochester, Minn. Pipe-wrench	767,337	Aug. 9	2267	473	111	1561
Plano Manufacturing Company. (See Dennis, Samuel K., assignor.)						
Plant, Samuel J., Delray, Mich. Coffin raising or lowering device	776,797	Dec. 6	667	147	113	1574
Plante, Henry, New York, N. Y. House-carpenter's tool	760,245	May 17	3327	690	110	783
Plante, Telephone H., Auburn, Me. Umbrella	768,398	Aug. 23	4423	929	111	2075
Planters Compress Company. (See Holmes, Watson M., assignor.)						
Planters Compress Company. (See Lowry, George A., assignor.)						
Plantinga, Pierre, Cleveland, Ohio. Means for controlling the flow of gases	752,399	Feb. 16	2853	633 634	108	1712
Plantinga, Pierre, Cleveland, Ohio. Gas-purifying apparatus	771,390	Oct. 4	333	74	112	173

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Plass, William F., <i>et al.</i> (See Schmidt, Carl, assignor.)						
Plassmann, August W., New York, N. Y., assignor to Richmond Electric Manufacturing Company. Tube-retainer	770,982	Sept. 27	3536	745	112	849
Platner, Earl H., Mount Vernon, Iowa. Nail-holding attachment for hammers	759,012	May 3	850	172	110	195
Platow, Carl, Lehe, Germany. Manufacturing fireproof flooring	769,355	Sept. 6	437		112	97
Platt Brothers and Company. (See White, Franklin R., assignor.)						
Platt, Charles H., Langhorne, Pa. Pavement	776,419	Nov. 29	5796	1227 1228	113	1378
Platt, Clarence D., assignor to Bryant Electric Company, Bridgeport, Conn. Sign-receptacle	762,192	June 7	1093	321	110	1676
Platt, Corwin H., Cleveland, Ohio. Adding-machine	756,280	Apr. 5	176	36	109	1381
Platt, Cyrus W., Windfall, Ind. Metallic cross-tie	754,693	Mar. 15	2374	648	109	683
Platte, John, and J. W. Jones, St. Charles, Mo. Safety signaling system	771,496	Oct. 4	542	121 122	112	1073
Platte, John P. (See Bortree, Moses K., assignor.)						
Platte, John P. (See Colquhoun, Edward, assignor.)						
Plattenberger, Jacob P., Savanna, Ill. Fence-post	758,778	May 3	397	79	110	97
Player, James A., assignor of one-half to S. D. Kinney and W. E. Symons, Cleburne, Tex. Flue-expander	775,345	Nov. 15	3434	725	113	816
Pleasanton, Frank R. (See Pleasanton, Frank S. and F. R.)						
Pleasanton, Frank S. and F. R., Philadelphia, Pa. Smoke-consuming apparatus for locomotive-boilers	764,304	July 5	791	161	111	174
Pleasure Park Amusement Company. (See Du Clos, George H., assignor.)						
Plettis, John S., London, England. Variable-speed gearing	772,531	Oct. 18	2668	586	112	1573
Ploukharp, Irvin H., assignor of one-fourth to H. R. Young, Columbus, Ohio. Speed-changing and transmission gear	767,238	Aug. 9	2268	473	111	1562
Plimpton, Homer A., Riverside, Cal. Ironing-board and cabinet	769,275	Sept. 6	257	64, 65	112	60
Plochman, Oscar E., <i>et al.</i> (See McDonnell, George P., assignor.)						
Ploppert, Arsenius R., Shenandoah, Pa. Safety-valve for steam-boilers	762,065	June 7	904	186	110	1633
Plough, Elmer E. (See Kelly and Plough.)						
Plowman, Albert E., New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap-fastener	756,403	Apr. 5	430	88	109	1435
Pluck, James, Hondo, Tex. Device for scraping plows	762,347	Nov. 14	1418	306	110	1766
Pluecker, Maximilian A., Milford, Conn. Food-cutter	776,420	Nov. 29	5801	1228	113	1379
Plumer, A. J. (See Jones, John O., assignor.)						
Plumer, Catharine L., Milaca, Minn. Apparatus for cooking fruit	769,128	May 3	1065	216	110	242
Plumley, Gardner L., New York, N. Y. Apparatus for developing photographic plates	751,552	Feb. 9	1415	322	108	1378
Plumley, Gardner L., New York, N. Y. Photographic developing apparatus	751,553	Feb. 9	1418	323	108	1379
Plummer, A. W. (See Kenworthy, John W., assignor.)						
Plummer, Alvin H., and M. Hess, assignors to Newcastle Paper Box and Manufacturing Company, Newcastle, Ind. Paper box	751,306	Feb. 9	1901	431	108	1442
Plummer, Clarence H., Kewanee, Wis. Corn-silker	770,831	Sept. 20	3255	472	112	589
Plummer, Grant, Salina, Kans. Hay-loader	761,710	June 7	180	34	110	1478
Plummer, Lloyd W., Bloomington, Ill. Display-case	771,572	Oct. 4	700	155	112	1108
Plunger Elevator Company. (See Cole, William F., assignor.)						
Plunger Elevator Company. (See Jansson, Karl E. O., assignor.)						
Plunkett, Michael H., Baltimore, Md. Steam-generator	756,051	Mar. 29	5333	1220 1221	109	1277
Plunkett, Michael H., Baltimore, Md. Steam-generator	756,052	Mar. 29	5336	1221	109	1277
Plunkett, William, New York, N. Y. Rack for copying-presses	769,629	Sept. 6	935	302	112	212
Plympton, Washington F., Clearfield, assignor of one-half to G. F. Goss, Wallacetown, Pa. Magazine-firearm	756,880	Apr. 12	1344	299	109	1645
Pneuman, William M., Meshoppen, Pa. Attachment for cutter-bar sharpeners	759,746	May 10	2388	487	110	545
Pneumatic Elevator and Weigher Company. (See Sharpe, Joseph K., Jr., assignor.)						
Pneumatic Scale Corporation. (See Doble, William H., assignor.)						
Pneumatic Scale Corporation. (See Scales, William S., assignor.)						
Pneumatic Scale Corporation. (See Smith, Harry, assignor.)						
Pneumatic Signal Company. (See Dodgson, Frank L., assignor.)						
Pneumatic Tobacco Stemmer Company. (See Lorentz, Buchanan, and Travis, assignors.)						
Poalk, James L., Philadelphia, Pa. Loom	752,922	Feb. 23	4090	911 912	108	2003
Poalk, James L., Merchantville, assignor to New Century Hook and Eyelet Company, Camden, N. J. Lacing stud or eyelet	750,691	Jan. 26	4221	916	108	982
Pocock, Francis A. (See Kennedy and Pocock.)						
Pocock, Francis A., Lansdowne, assignor of three-eighths to E. W. Patton, Philadelphia, Pa. Frame for electrical machines	778,798	Dec. 27	4604	1005	113	2472
Pocock, Stephen H., Hamilton, Canada. Cash-register	755,929	Mar. 29	5311	1173	109	1229
Podmore, Thomas, Wilkesbarre, Pa. Machine for molding rough concrete blocks	772,292	Oct. 11	2178	476	112	1445
Podmore, Thomas, Wilkesbarre, Pa. Building-block	772,475	Oct. 18	2569	564	112	1551
Podmore, Thomas, Wilkesbarre, Pa. Machine for molding concrete blocks	773,069	Oct. 25	3858	829	112	1859
Poe, Henry H., Norven, Ga. Brick	751,036	Feb. 2	414	98	108	1149
Poenitz, Robert F., Indianapolis, Ind. Portable fastener for doors	750,932	Jan. 26	4222	916	108	982
Poetter, Heinrich, Dortmund, Germany. Explosive	751,807	Feb. 9	1902	432	108	1482
Poetter, Heinrich, Dortmund, Germany. Horizontal coke-oven	766,898	Aug. 9	1596	334 335 336	111	1414
Pohl, Emilie, Baltimore, Md. Corset	749,400	Jan. 12	1747	369	108	415
Pohlig, John, New Orleans, La. Wagon-top	762,756	June 14	2282	498	110	1946
Pohlman, William, Middletown, N. Y. Expansion boring-tool	757,494	Apr. 19	2655	503	109	1919
Pohlmann, Fritz, Schöneberg-Berlin, Germany. Concrete or like girder	766,899	Aug. 9	1597	385	111	1415
Pohorzeleck, Arno, Oschatz, Germany. Basket-making machine	757,344	Apr. 12	2322	494	108	1841
Pohorzeleck, Arno, Oschatz, Germany. Machine for making wickerwork	773,417	Oct. 25	4616	975	112	2023
Pohorzeleck, Arno, Oschatz, Germany. Machine for making baskets	773,520	Oct. 25	4633	1024 1025	112	2076
Pohr, Johann. (See Böning and Pohr.)						
Poignant, Carl E., Birchlake, Wis. Bread-cutting machine	762,940	June 21	2651	574	110	2053
Poirier, Alphonse, Normandin, Canada. Clover-hulling machine	771,885	Oct. 11	1331	301 302	112	1258
Poirier, Elzear M. (See Le Blanc, Frederick D., assignor.)						
Poirier, Octave A., Gladstone, Minn. Cleaner for disk drills	756,697	Apr. 5	959	211	109	1548
Poirier, Octave A., Gladstone, Minn. Bearing for disk drills	756,698	Apr. 5	960	211	109	1549
Poirier, Octave A., Gladstone, Minn. Attachment for disk drills	756,699	Apr. 5	962	212	109	1549
Poirier, Octave A., Gladstone, Minn. Bearing for disk drills	756,700	Apr. 5	963	212	109	1549
Poirier, Alcide F., assignor to St. Ame des Matières Colorantes et Produits Chimiques de St. Denis, Paris, France. Making sulfur dyes	763,320	June 21	3361		110	2210

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Poirrier, Michel, St. Amelia, La. Journal-bearing for cars.	761,903	June 7	586	117	110	1570
Poisson, Joseph, assignor of one-half to H. C. Lancaster, Fall River, Mass. Stop-motion for ring-spinning frames.	777,918	Dec. 20	2903	639	113	2087
Pokorný, Ferdinand, Moravská, Ostrava, Austria-Hungary. Apparatus for raising or sinking vessels in lock-chambers.	755,536	Mar. 22	4509	1003	109	1081
Polack, B. (See Struck, Wilhelm, assignor.)						
Poles, William C., Audley, England. Hammock frame or support.	774,272	Nov. 8	1427	305	113	338
Poli, John J., Cincinnati, Ohio. Game-indicator.	768,689	Aug. 30	5261	1106	111	2281
Polic, Carl, and J. Mödlinger, Budapest, Austria-Hungary. Steam-engine.	752,860	Feb. 23	3944	885	108	1968
Poling, Totten, Menlo, Iowa. Fastening for pick-handles, &c.	777,303	Dec. 13	1639	364	113	1805
Poling, William S. (See Short and Poling.)						
Polk, James A., Terrell, Tex. Vehicle-wheel.	757,677	Apr. 19	2956	443	109	2006
Polk, Robert H., Birmingham, Ala. Guy-anchor.	762,348	June 14	1419	306 307	110	1766
Polk, Robert H., Birmingham, Ala. Ground-anchor.	762,842	June 14	2452	531 532	110	1988
Pollak, Adolph. (See Esser, Christian, assignor.)						
Pollard, Albert, Providence, R. I. Pin-joint.	759,548	May 10	1967	401	110	466
Pollard, Charles E., assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch for power-presses.	752,100	Feb. 16	2467	551	108	1825
Pollard, Edward T., London, England. Automatic weighing-machine.	756,281	Apr. 5	178	36, 37 677 678 679 680	109	1682
Pollard, Edward T., London, England. Machine for making boxes from paper and for filling same with cigarettes, &c.	775,148	Nov. 15	3184	677 678 679 680	113	750
Pollard, Eugene P. (See Chrisman, Joseph W. H., assignor.)						
Pollard, Arthur H., and M. Barry, said Barry assignor to Linotype Company, Limited, London, England. Calculator.	764,074	July 5	325	63, 64	111	71
Pollitt, George P. (See Lunge and Pollitt.)						
Pollock, Charles N., Corinth, Miss. Safety device for elevators.	758,470	Apr. 26	4507	969	109	2366
Pollock, Henry G. (See McGee, George, assignor.)						
Pollock, J. T. (See Sutherland, Emil, assignor.)						
Pollock, James L. (See Sager, Chauncey A., assignor.)						
Pollock, Milton D., Decatur, Ill. Cork-extractor.	760,918	May 24	4657	992	110	1090
Pollock, Robert C., Kings Bridge, N. Y. Device for automatically preventing escape of air from train-pipe couplings.	749,746	Jan. 19	2456	523	109	585
Pollock, Robert L., Sterling, Kans. Hydrant.	764,864	July 12	1986	400	111	451
Pollock, Thomas, assignor of one-third to C. O. Rios, Santa Barbara, Cal. Gold-separator.	777,808	Dec. 30	2641	581	113	2036
Polly, Benjamin W., Newton Center, Mass. Tree-holder.	772,905	Oct. 18	3405	739	112	1733
Poltz, Eugen, Magdeburg-Sudenburg, Germany. Making hollow metal articles.	756,404	Apr. 5	431	89	109	1435
Poltz, Eugen, Magdeburg-Sudenburg, Germany. Automatic registering weighing-machine.	774,777	Nov. 15	2423	522 523	113	578
Pomero, Paolo, Philadelphia, Pa. Mechanical piano.	757,566	Apr. 19	2723	595 596	109	1954
Pomeroy, Bennard H., St. Louis, Mo., assignor to W. E. Johnston, East St. Louis, Ill. Vapor-engine.	750,488	Jan. 26	3838	833 834	108	904
Pomeroy, Bennard H., St. Louis, Mo., assignor to W. E. Johnston, East St. Louis, Ill. Petroleum-engine.	750,489	Jan. 26	3839	834	108	904
Pomeroy, S. Harris. (See Livingston, William, assignor.)						
Pomeroy, Silas H. (See Voigtman and Pomeroy.)						
Pomroy, Sanford, Byron, Minn. Cistern-top.	754,801	Mar. 15	3173	692	109	727
Ponrouse, George. (See Blake, Lincoln, assignor.)						
Pond, Deloss F. (See Pond, George T., assignor.)						
Pond, Edmund M., Rutland, Vt. Medicated tampon.	749,230	Jan. 12	1378	294	108	337
Pond, George T., assignor of one-half to D. F. Pond, Winfred, S. D. Woven-wire-mattress stretcher.	772,958	Oct. 25	3514	761	112	1775
Pond, Gilbert A., Chicago, Ill. Wind-shield for carriages.	778,330	Dec. 27	5701	808	113	2274
Pond, Marvin A., Topeka, Kans. Multiple penholder.	761,390	May 31	5632	1190	110	1321
Pond, Orlando M., Independence, Iowa. Rocker attachment for baby-carriages.	751,409	Feb. 2	1168	266	108	1305
Pond, William, Liberty, Ill. Folding crate.	756,890	Apr. 12	1349	300	109	1646
Pool, Francis W., Havre, Mont., assignor of one-half to J. Pool, Jesmond, Newcastle-upon-Tyne, England. Railway-chair.	758,018	Apr. 19	3607	780	109	2150
Pool, John. (See Pool, Francis W., assignor.)						
Pool, John F., Philadelphia, Pa., assignor to Brooklyn Cooperage Company, New York, N. Y. Wire barrel-hoop.	762,794	June 28	4312	937	110	2435
Poole Brothers. (See Colas, Jules A., assignor.)						
Poole, Charles C., Evanston, Ill., assignor to M. E. Dayton, Washington, D. C. Pneumatic tool.	764,496	July 5	1205	248	111	265
Poole, Edgar T., Cleveland, Ohio. Safety-pin.	777,804	Dec. 20	2642	882	113	2037
Poole, Frederick C., Gloucester, Mass. Head-loom.	760,919	May 24	4658	992	110	1090
Poole, John H., South Braintree, assignor of one-half to E. E. Piper, Randolph, Mass. Blind-hinge.	778,144	Dec. 20	3335	732	113	2177
Poole, William C., Marysville, Cal. Cart.	774,105	Nov. 1	1136	242	113	357
Poor, George H., assignor to S. W. McMunn, Chicago, Ill. Sectional core for making concrete piles.	757,767	Apr. 19	3121	680	109	2042
Poor, George H., assignor to S. W. McMunn, Chicago, Ill. Sectional shell.	760,754	May 24	4335	920 921	110	1022
Poor, George H., assignor to S. W. McMunn, Chicago, Ill. Railway-car truck.	761,994	June 7	745	153	110	1602
Poor, George H., assignor to S. W. McMunn, Chicago, Ill. Concrete pile.	770,475	Sept. 20	2544	542	112	607
Poor, Henry I., Chicago, Ill. Device for supporting frames or the like.	771,330	Oct. 11	1438	325	112	1278
Pope, Charles E., Holyoke, Mass. Broom-holder.	765,683	July 19	3452	728	111	781
Pope, Charles E., South Hadley, assignor to Universal Tobacco Hoisting Company, Holyoke, Mass. Tobacco-hoisting apparatus.	759,190	May 3	1192	248	110	270
Pope, Charles E., South Hadley, assignor of one-half to J. L. Perkins, Holyoke, Mass. Paper-pulp-brushing engine.	776,755	Dec. 6	584	127	113	1555
Pope, Charles L., Ely, Nev. Railway-rail joint.	750,490	Jan. 26	3840	834	108	905
Pope, Charles L., Ely, Nev. Fastener for clip-bands.	756,701	Apr. 5	964	212	109	1549
Pope, Frederick B., Augusta, Ga., assignor of one-half to M. Swenson, Chicago, Ill., and L. L. Fleming, New York, N. Y. Treating oils.	749,322	Jan. 12	1582	334 335	108	380
Pope, Harry M. (See Maxim, Pope, and Alden.)						
Pope, Harry M., Hartford, Conn., assignor, by mesne assignments, to Morton Trust Company, trustee, Motor-vehicle.	750,062	Jan. 19	3058	656	108	713
Pope, Harry M., Chicopee Falls, Mass., assignor to Electric Vehicle Company, Jersey City, N. J. Driving mechanism.	758,147	Apr. 26	3867	840	109	2226

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Pope, Henry F. (See Krakau and Pope.)						
Pope Manufacturing Company. (See Copeland, James S., assignor.)						
Pope Manufacturing Company. (See Haag, Paul, assignor.)						
Pope, Oliver A., <i>et al.</i> (See Alderman, Daniel W., assignor.)						
Pope, William C., St. Louis, Mo. Effervescent ink-tablet	751,554	Feb. 9	1422		108	1380
Pope, William L., Rochester, N. Y. Steam-turbine	763,425	June 28	3621	780	110	2287
Popham, Richard M. (See Darling, James D., assignor.)						
Popham, Richard M., and J. C. Cooke, Philadelphia, Pa., assignors to said Popham. Valve.	767,118	Aug. 9	2080	422	111	1511
Poppe, Emil O., Kirchberg, Germany. Device for removing garbage	754,890	Mar. 15	3846	731	109	765
Poppenberg, Charlotte M., administratrix. (See Poppenberg, Cornelius G.)						
Poppenberg, Cornelius G., deceased; C. M. Poppenberg, Brainerd, Minn., administratrix. Apparatus for recovering values from sand or dirt	768,624	Aug. 30	5115	1075 1076	111	2250
Poppenberg, Johannes von der, Charlottenburg, Germany. Storage-battery electrode. (Reissue)						
Poppenhagen, Henry J. (See Stump, Ira E., assignor.)	12,228	June 7	1239	267	110	1709
Poppenhusen, Herman A., Evanston, Ill. Furnace-grate	753,108	Feb. 23	4443	988 989	108	2081
Poppenhusen, Herman A., Chicago, Ill. Toy	753,109	Feb. 23	4447	989	108	2082
Poppenhusen, Herman A., Chicago, Ill. Implement for detaching boiler-tubes	760,148	May 17	3146	658	110	742
Porcher, Jacob W., Port Washington, Ohio. Horseshoe	761,904	June 7	587	117	110	1570
Porsche, Ferdinand, and L. Lohner, Vienna IX., Austria-Hungary. Steering device for motor-vehicles	754,802	Mar. 15	3174	692	109	727
Porsche, Ferdinand, and L. Lohner, Vienna, Austria-Hungary. Coil for dynamo-electric machines	755,537	Mar. 22	4510	1004	109	1032
Prscke, Heinrich P. R. L., and G. A. Wedekind, Hamburg, Germany. Manufacturing hard porous electrode	760,561	May 24	4924		110	934
Port, George M. (See Ellis, Carleton, assignor.)						
Portal Bed Company. (See Tesch, Charles H., assignor.)						
Porter, William, St. Paul, Minn., assignor to Building Block Manufacturing Co. Building-block	762,193	June 7	1094	232	110	1677
Porter, William, St. Paul, Minn., assignor to Building Block Manufacturing Co. Apparatus for molding concrete building-blocks	762,194	June 7	1095	232 233	110	1677
Porter, William, St. Paul, Minn., assignor to Building Block Manufacturing Co. Apparatus for molding concrete building-blocks	762,250	June 7	1204	258 259	110	1701
Porter, William, St. Paul, Minn., assignor to Building Block Manufacturing Co. Building-block	762,251	June 7	1208	259	110	1702
Porteous, Hugh A., Hemet, Cal. Lid or covering for fruit-jars and analogous vessels	751,410	Feb. 2	1169	296	108	1306
Porteous, James. (See Danks, Isaac T., assignor.)						
Porteous, James, Fresno, Cal. Harrow-tooth fastening	770,868	Sept. 27	3312	699	112	796
Porteous, William, Avondale, Ohio. Milling-machine	756,405	Apr. 5	433	89, 90	109	1435
Porter Air Compressor Company. (See Porter, Edwin F., assignor.)						
Porter, Albert B., Evanston, Ill. Hydrometer-guard	756,702	Apr. 5	965	213	109	1550
Porter, Albert L., assignor of one-half to C. A. Roberts, Leonard, N. D. Attachment for bicycles	756,709	Jan. 26	3659	795	108	865
Porter, Alvin G., Minneapolis, Minn. Transfer-pad	758,404	Nov. 29	5804	1229	113	1380
Porter Battery Company. (See Porter, Henry C., assignor.)						
Porter, Charles H., Philadelphia, Pa. Ventilating device	778,324	Dec. 30	3444	737	113	2199
Porter, Charles M., Philadelphia, Pa. Lens-fastening for spectacles or eyeglasses	751,939	Feb. 9	2163	488	108	1539
Porter, Daniel M. (See Coleman, Paul, assignor.)						
Porter, David W., Sewickley, Pa. Piston	769,630	Sept. 6	936	203	112	213
Porter, Edwin F., Boston, assignor, by mesne assignments, to B. F. Peach, Lynn, Mass. Electric heater	761,250	May 31	5334	1133	110	1254
Porter, Edwin F., Boston, Mass., assignor, by mesne assignments, to Porter Air Compressor Company, Kittery, Me. Switch	776,545	Dec. 6	151	34	113	1459
Porter, Edwin F., Boston, Mass., assignor, by mesne assignments, to Twentieth Century Amusement Company. Base-ball batting and registering device	778,366	Dec. 27	3579	733 784	113	2248
Porter, Edwin F., Boston, Mass., assignor, by mesne assignments, to Twentieth Century Amusement Company. Base-ball batting and registering device	778,331	Dec. 27	3703	809	113	2274
Porter, Harrison B., Buda, Tex. Cultivator	755,538	Mar. 22	4511	1004	109	1032
Porter, Henry C., Waukegan, assignor to Porter Battery Company, Chicago, Ill. Storage battery	763,321	June 21	3862	730	110	2210
Porter, Henry C., Waukegan, assignor to Porter Battery Company, Chicago, Ill. Battery-plate	763,322	June 21	3964	730	110	2210
Porter, Henry H., Jr., Chicago, Ill. Ice-handling machinery	761,320	May 31	5422	1166	110	1285
Porter, Henry K., Chelsea, Mass. Bolt-clipper	751,202	Feb. 2	779	178	108	1223
Porter, J. W., <i>et al.</i> (See Brooks, Howard, assignor.)						
Porter, John L., Mountainview, Cal. Rotary sluice-box	775,578	Nov. 22	4166	878	113	996
Porter, John M., Boston, Mass. Water filter	779,578	Oct. 25	4075	863	112	1906
Porter, Lewis E., Camp Rochester, Cal. Slimes-washer	773,221	Oct. 25	4212	891	112	1936
Porter, Lewis E., Camp Rochester, Cal. Continuous slimes-washer	773,222	Oct. 25	4213	891	112	1936
Porter, Lewis E., Camp Rochester, Cal. Precipitating metals from cyanid solutions and regenerating the solutions	778,547	Dec. 27	4133		113	2367
Porter, Lewis E., Los Angeles, assignor of one-half to J. J. Seeman, Barstow, Cal. Treating copper-bearing ores with cyanid solutions	759,220	May 3	1287	259	110	293
Porter, Lincoln E., Ottawa, Ill. Hay-carrier	776,615	Dec. 6	294	65	113	1495
Porter, Nathan E., New York, assignor, by mesne assignments, to Telephone Appliance Company, Ossining, N. Y. Telephone-directory	774,139	Nov. 1	1189	253	113	269
Porter, Samuel P. (See Livingstone, William, assignor.)						
Porter Screen Manufacturing Company. (See Mix and Maynard, assignors.)						
Porter Screen Manufacturing Company. (See Way and Southworth, assignors.)						
Porter, Walter C., Worcester, Mass. Shoe-last	778,505	Dec. 27	4063	886	113	2351
Porter, Wells H., assignor of one-half to F. G. Sherwood, Albion, N. Y. Tuning-hammer	775,383	Nov. 22	3723	791	113	897
Porter, William E., Sandfork, W. Va. Screen	749,578	Jan. 12	2104	438	108	482
Porter, William W., Beloit, Wis. Hydrocarbon-burner	761,098	May 31	5054	1073	110	1194
Porter, Wilson E., New Haven, Conn. Pedometer	765,992	July 26	4183	893	111	951
Porter, Wilson E., assignor to New Haven Clock Company, New Haven, Conn. Winding mechanism for clocks	756,708	Apr. 5	967	213	109	1550
Porter, Wilson E., assignor to New Haven Clock Company, New Haven, Conn. Clock	767,119	Aug. 9	2081	423	111	1512
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Lamp	768,401	Aug. 23	4651	974	111	2133
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Clock	771,665	Oct. 4	877	197 198	112	1147
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock	777,964	Dec. 20	2783	813	113	2065
Porterfield, George M., Winstboro, Tex. Vehicle sand-box	769,182	Sept. 6	86	21	112	20
Portland Company. (See Chapman, William H., assignor.)						
Pos, Gerrit M. E., Amsterdam, Netherlands. Machine for decorticating fibers	772,823	Oct. 18	3229	704	112	1698

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Posey, Joshua M., Vivian, La. Apparatus for loading or unloading cars.	770,652	Sept. 20	2880	613	112	683
Positive Railway Sander Company. (See Rote, Charles V., assignor.)						
Pospiel, Frank J., Lincolnville, Kan. Automatic fire-lighter	764,628	July 12	1504	308	111	346
Poss, Arthur E. (See Baare, Edwin H., assignor.)						
Possons, Minard A. (See Kilmer and Possons.)						
Post, Angelica E., Boston, Mass. Electric pocket-lamp	754,694	Mar. 15	2976	648	109	683
Post, Claude L., Chicago, Ill. Multicolor-printing press	751,337	Feb. 2	1051	238	108	1281
Post, Edward R., Ottawa, Ohio. Bolt and nut-lock	770,384	Sept. 20	2382	503	112	513
Post, Elisha A., Allegan, Mich. Burial-casket	768,481	Aug. 23	4800	1005	111	2163
Post, Ezra L., Wallingford, Conn. Machine for stretching leather used for making power-belts	772,054	Oct. 11	1696	378	112	1337
Post, Ezra L., Wallingford, Conn. Clutch for leather-stretching machines	772,055	Oct. 11	1696	379	112	1338
Post, Ezra L., Wallingford, Conn. Machine for stretching leather used for making power-belts	770,685	Dec. 6	486	97	113	1524
Post, Frederick G., assignor of one-half to H. W. Rogers, Buffalo, N. Y. Combined paper-weight and calendar	770,686	Dec. 6	499	98	113	1525
Post, Harry A., Painesville, Ohio. Thill-support	774,694	Nov. 8	2210	482	113	507
Post, Henry W., New York, N. Y. Drawers-supporter	771,931	Oct. 11	1429	326	112	1278
Post, Howard I., et al. (See Gundry, John B., assignor.)	751,338	Feb. 2	1052	239	108	1281
Post, John H., Andover, assignor to Leader Manufacturing Company, Hartford, Conn. Garment-hanger	762,652	June 14	2048	443	110	1902
Post, Lewis B., assignor of one-half to D. Guido, Bradford, Pa. Pipe-coupling	762,758	June 14	2269	494	110	1947
Post, William W., Valleyview, assignor of one-half to W. Hurst, Miller, S. D. Horse-re-leaser	767,239	Aug. 9	2270	474	111	1562
Postal Telegraph-Cable Company. (See Jones, Francis W., assignor.)						
Postal Typewriter Company. (See Quentell and Judge, assignors.)						
Posternak, Swigel, Mendon, France. Organic phosphorus compound and making same	754,803	Mar. 15	3175	-----	109	728
Poston, Jackson L., Wiehle, Va. Shingle-sawing machine	769,019	Aug. 30	5922	1241	111	2431
Pott, Gideon, and R. Williamson, Motherwell, Scotland. Centrifugal machine	770,385	Sept. 20	2383	503	112	513
Potter, Carroll, Philadelphia, Pa. Secondary or storage battery	769,403	Sept. 6	523	115	112	118
Potter, Charles A., San Francisco, Cal. Waterproofed ostrich-feather and producing same	771,999	Oct. 11	1569	-----	112	1308
Potter, Charles H., Ipswich, Mass. Ironing-table	762,349	June 14	1421	307	110	1767
Potter, Charles S., Jr., and R. K. Creston, Iowa. Stovepipe-holder	771,446	Oct. 4	449	102	112	1053
Potter, Charles S., Balachara, Victoria, Australia. Separating metals from sulfid ores	776,145	Nov. 20	5278	1115	113	1259
Potter, Charles W., Denver, Colo. Limiting device for electric circuits	754,496	Mar. 15	3554	564	109	602
Potter, Edson, Toledo, Ohio. Mail-bag catcher	763,925	June 28	4563	966 997	110	2487
Potter, Frank M., Jr. (See Houghton and Potter.)						
Potter, Frank W., et al. (See Johnson, William H., assignor.)						
Potter, Frederic D., Linden, N. J. Superheater	771,324	Oct. 4	205	44, 45	112	1005
Potter, George M. (See Fox, John H., assignor.)						
Potter, George M. (See Hermann, Isaac A., assignor.)						
Potter, George M. (See Raquett, Joseph G., assignor.)						
Potter, Henry N., New Rochelle, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Ballast device for vapor-lamps	750,554	Jan. 26	3986	861 862	108	931
Potter, Henry N., New Rochelle, N. Y., assignor to Cooper Hewitt Electric Company. System of lighting by gas or vapor electric lamps	751,411	Feb. 2	1171	266	108	1306
Potter, Henry N., New Rochelle, N. Y., assignor to Cooper Hewitt Electric Company. System of lighting by gas or vapor electric lamps	751,412	Feb. 2	1173	267	108	1306
Potter, Henry N., New Rochelle, N. Y., assignor to Cooper Hewitt Electric Company. System of lighting by gas or vapor electric lamps	751,413	Feb. 2	1174	267	108	1307
Potter, Henry N., New Rochelle, N. Y., assignor to Cooper Hewitt Electric Company. System of lighting by gas or vapor electric lamps	751,414	Feb. 2	1175	267	108	1307
Potter, Henry N., New Rochelle, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Mercury-pump	764,204	July 5	613	122	111	136
Potter, Henry N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Rotatory electric tube-furnace	756,891	Apr. 12	1350	300	109	1646
Potter, Henry N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Glowler-support for second-class-conductor lamps	764,005	July 5	175	30	111	42
Potter, Henry N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Heater-support for Nernst lamps	764,006	July 5	178	31	111	43
Potter, Henry N., New Rochelle, N. Y., assignor to G. Westinghouse, Pittsburg, Pa. Compensating terminal for electric furnaces	770,312	Sept. 30	2257	472	112	545
Potter, Henry N., Pittsburg, Pa., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Gas or vapor electric lamp	750,889	Feb. 2	210	47	108	1104
Potter, Homer W., Detroit, Mich. Fire-cracker pistol	766,286	Aug. 2	305	62	111	1108
Potter, James C., and J. Johnston, assignors to Potter and Johnston Machine Company, Pawtucket, R. I. Metal-working machine	752,257	Feb. 16	3772	615	108	1695
Potter, James C., and J. Johnston, assignors to Potter and Johnston Machine Company, Pawtucket, R. I. Turret-lathe	772,477	Oct. 18	2570	565	112	1552
Potter, James C., and J. Johnston, assignors, by mesne assignments, to Potter and Johnston Machine Company, Pawtucket, R. I. Shaping-machine. (Reissue.)	12,287	Nov. 22	4795	1016 1017	113	1130
Potter, James C., J. Johnston, and E. B. Sellaw, assignors to Potter and Johnston Machine Company, Pawtucket, R. I. Gearing	761,905	June 7	588	118	110	1570
Potter, John A., New York, N. Y. Treating ores, mattes, &c	754,159	Mar. 8	1856	414 236	109	427
Potter, John A., Pittsburg, Pa. Tilting metallurgical furnace	769,712	Sept. 13	1103	237	112	268
Potter, John W., Florien, La. Wire-stretcher	769,404	Sept. 6	524	115	112	118
Potter and Johnston Machine Company. (See Potter and Johnston, assignors.)						
Potter and Johnston Machine Company. (See Potter and Johnston, assignors.) (Re-issue.)						
Potter and Johnston Machine Company. (See Potter, Johnston, and Sellaw, assignors.)						
Potter, Millard F., Albert Lea, Minn. Milk-pail attachment	765,511	July 19	3237	677	111	736
Potter, Morgan, Fishkill-on-the-Hudson, N. Y., assignor to Morgan Potter Company. Brake-block shoe	749,701	Jan. 12	2338	494	108	542
Potter, Robert K. (See Potter, Charles S., Jr., and R. K.)						
Potter, William, New York, N. Y. Level and plumb	755,321	July 19	2843	595	111	652
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Means for closing field circuits of rotary converters	755,791	Mar. 29	5038	1119	109	1165
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Electric railway	756,980	Apr. 12	1529	336	109	1682
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Electric railway and controlling device therefor	766,381	Aug. 2	470	101	111	1144

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Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Lubricating device.	766,382	Aug. 2	474	101	111	1145
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Indicating instrument.	768,343	Aug. 23	4501	946	111	2092
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Motor-man's automatic lap-valve.	778,267	Dec. 27	3582	784	113	2249
Potter, William B., Schenectady, N. Y., assignor to General Electric Company, Boston, Mass. Controller for electric motors. (Reissue.)	12,241	July 19	3513	741	111	794
Potter, William B., assignor to E. C. Stearns & Co., Syracuse, N. Y. Saw-vice support.	778,605	Dec. 27	4254	927	113	2392
Potthast Brothers <i>et al.</i> (See Graf, Robert R., assignor.)						
Pottin, Henry, and L. M. de Logelère, Paris, France. Weight-registering weighing-machine.	763,303	June 21	3149	677	110	2164
Pottlitzer, Herman, <i>et al.</i> (See Headson, Frank A., assignor.)						
Pottlitzer, Julius, <i>et al.</i> (See Headson, Frank A., assignor.)						
Pottlitzer, Leo, <i>et al.</i> (See Headson, Frank A., assignor.)						
Pottlitzer, Max, <i>et al.</i> (See Headson, Frank A., assignor.)						
Potts, Edward M. (See Graham and Potts.)						
Potts, Elijah W., assignor to Detroit Trolley Wheel and Electrical Equipment Company, Detroit, Mich. Trolley-wheel.	767,954	Aug. 16	3654	771	111	1885
Potts, Elijah W., assignor to Detroit Trolley Wheel and Electrical Equipment Company, Detroit, Mich. Self-lubricating trolley-wheel.	767,955	Aug. 16	3656	772	111	1885
Potts, Frank, and J. W. Hurst, Stockport, England. Spinning-ring.	778,799	Dec. 27	4606	1005	113	2472
Potts, Joseph R., Mechanicsburg, Pa. Cellar-door.	766,061	July 26	4312	924	111	977
Potts, Oscar W. (See Hood, Robert M., assignor.)						
Potts, William C., Harrisburg, Pa. Vehicle-wheel.	771,175	Sept. 27	3927	828	112	931
Potvin, Amelia, Alpena, Mich. Shoe-lace tip.	766,520	Aug. 2	768	163	111	1208
Poughkeepsie Art Pulp Company. (See Chase, William D., assignor.)						
Poulson, Niels, Brooklyn, N. Y. Fireproof structure.	753,208	Feb. 23	4639	1032	108	2125
Poulson, Niels, New York, N. Y. Fireproof structure.	753,209	Feb. 23	4640	1032	108	2125
Poulson, Niels, New York, N. Y. Fireproof door.	753,210	Feb. 23	4641	1032	108	2125
Poure, Georges, Boulogne-sur-Mer, France. Bobbin for twisting and drying yarns.	767,438	Aug. 16	2643	555	111	1662
Pourlier, Albert, Gournay-en-Bray, France. Pantographic engraving-machine.	771,573	Oct. 4	702	155	112	1109
Powe, Sanford C., Hattiesburg, Miss. Fence-post base.	766,971	Aug. 9	1739	364	111	1448
Powell, Charles A. (See Perry, George C., assignor.)						
Powell, Frank. (See Fairchild, Frank J., assignor.)						
Powell, Frank D. (See Ellis and Powell.)						
Powell, George F. C., Titusville, Pa. Rail-joint.	750,693	Jan. 26	4223	916	108	983
Powell, Harvey L., St. Marys, Ohio. Stop-motion.	773,418	Oct. 25	4619	976	112	2023
Powell, James, Cincinnati, Ohio. Safety-valve.	773,589	Nov. 1	107	22	113	29
Powell, James, Cincinnati, Ohio. Lubricator.	776,422	Nov. 29	5805	1229	113	1389
Powell, John R., Plymouth, Pa. Mining-squib.	766,062	July 26	4313	924	111	978
Powell, Joseph M., Orestes, Ind. Rotary engine.	769,188	Sept. 6	87	22	112	20
Powell, Luther P., Long Island City, assignor to Sunlight Gas Machine Company, New York, N. Y. Acetylene-gas generator.	776,756	Dec. 6	586	127	113	1555
Powell, William, Normanton, England. Free-wheel and brake attachment for cycles.	749,950	Jan. 19	2839	608	108	668
Powell, William, Liverpool, England. Vulcanized wood and vulcanizing same.	755,240	Mar. 22	3970		109	917
Powell, William G., Tallahassee, assignor to E. O. Locke and W. B. Owen, Duval county, Fla. Cash-register.	757,223	Apr. 12	2009	437	109	1787
Powell, William G., and F. A. Williams, assignors of one-third to C. S. Adams, Jacksonville, Fla. Adding-machine.	773,675	Nov. 1	272	62	113	65
Powell, William P., Grand Rapids, Mich. Curtain-hanging.	749,499	Jan. 12	1968	409	108	461
Power, Henry, Montclair, N. J. Admission-valve for internal-combustion engines.	760,020	May 24	4660	982	110	1081
Power, Michael, Toronto, Canada. Convertible car.	749,570	Jan. 12	2106	439	108	493
Power, Michael, Norfolk, N. Y. Expanding shaft.	773,223	Oct. 25	4215	891	112	1937
Power, Michael, assignor of one-fifth to R. G. Dickson, Toronto, Canada. Vestibule for cars.	752,861	Feb. 23	3945	885	108	1968
Power, Nicholas, New York, N. Y. Apparatus for exhibiting moving pictures.	773,361	Nov. 1	893	188	113	205
Power Steel Plate Press Company. (See Pullard, William, assignor.)						
Power, Stephen W., Murfreesboro, Ark. Attachment for saw-gins.	778,071	Dec. 20	3195	703	113	2146
Powers, Edmund B., Brooklyn, N. Y., assignor to Railway Cab Signal & Equipment Company, Portland, Me. Safety device for railway service.	748,649	Jan. 5	187	45	108	42
Powers, Edmund B., New York, N. Y., assignor to Railway Cab Signal & Equipment Company, Portland, Me. Safety device for railway service.	750,781	Jan. 26	4443	958	108	1034
Powers, Edmund B., assignor of one-half to J. J. Hayes, New York, N. Y. Safety device for railway service.	752,101	Feb. 16	2469	551	108	1625
Powers, Francis W. (See Hoffman and Powers.)						
Powers, Frank. (See Hudson, Peter, assignor.)						
Powers, Higley and Company. (See Powers, Ordell H., assignor.)						
Powers, James, assignor to R. J. Louis and H. B. Thearle, New York, N. Y. Automatic photographic apparatus.	754,090	Mar. 8	1734	386	109	397
Powers, James H., administrator. (See Powers, Walter J.)						
Powers, Milton F., Winchester, Mass. Necktie.	768,299	Aug. 23	4424	929	111	2076
Powers, Ordell H., assignor to Powers, Higley and Company, Valparaiso, Ind. Educational device.	763,926	June 28	4565	998	110	2488
Powers, Richard J. (See Saffell, Frederick, assignor.)						
Powers, Samuel H., St. Joseph, Mo. Pipe-coupling.	758,102	Apr. 26	3782	822	109	2205
Powers, Timothy B., and M. R. Jewell, assignors, by mesne assignments, to Imperial Corporation, New York, N. Y. Automatic playing apparatus for musical instruments.	753,809	Mar. 1	1178	285	109	253
Powers, Walter J., deceased; J. H. Powers, Detroit, Mich., administrator, assignor to J. J. Foster, Windsor, Ontario, Canada. Ventilating device for water-closets.	754,695	Mar. 15	2978	649	109	684
Powers, Wilbur F., Camden, N. J. Life-boat-launching apparatus.	755,241	Mar. 22	3971	880	109	917
Powers, William P., Chicago, Ill. Hydraulic motor.	764,629	July 12	1507	309	111	346
Powers, William P., Chicago, Ill. Thermostat.	764,819	July 12	1900	389	111	431
Powlison, Allen L., Erie, and E. C. Erb, assignors of one-third to D. H. Houston, Hunter, N. D. Road-grading machine.	758,148	Apr. 26	3868	840	109	2226
Powter, Nathaniel B., deceased, Brooklyn, N. Y.; E. H. Fallows, executor. Making phosphoric acid.	751,753	Feb. 9	1793	409	108	1456
Pozzi, Romeo, Marysville, Cal. Cutter for butter, &c.	770,476	Sept. 20	2546	543	112	607
Pracna, Arthur, Everett, Wash. Swivel band-saw guide.	770,105	Sept. 13	1819	384	112	427

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Prade, Julien, Waco, Tex. Ice-cream freezer	750,121	Jan. 19	3162	680	108	735
Prade, Julien, Waco, Tex. Ice-cream freezer	756,704	Apr. 5	968	213	109	1550
Præst, Gottfred C. H. (See Nielsen and Præst.)						
Praglin, Julius. (See Slotkin, Mayer, assignor.)						
Prahar, Louis R., New York, N. Y. Mirror	758,382	Apr. 26	4341	932	109	2328
Prahar, Louis B., New York, N. Y. Mirror-frame	770,106	Sept. 13	1821	884	112	427
Prahl, Edward A., Philadelphia, Pa. Damper-regulator	758,471	Apr. 26	4509	969	109	2307
Prangemeier, Caspar, Münster, Germany. Combined fork and rake	768,769	Aug. 30	5405	1138	111	2314
Prangemeier, Caspar, Münster, Germany. Combined spade and pickax	768,770	Aug. 30	5406	1138	111	2314
Prangemeier, Caspar, Münster, Germany. Soot-collector for chimneys	775,500	Nov. 23	3968	838	143	952
Prankard, Charles J., Jr., Troy, N. Y. Cutting-machine	755,696	Mar. 29	4832	1074	109	1121
Prankard, Charles J., assignor of one-fourth to A. W. Ham, Troy, N. Y. Dough-brake	767,712	Aug. 16	3174	665	111	1781
Praschl, Stephan, assignor to L. Sands, Cleveland, Ohio. Coin-controlled mechanism	752,629	Feb. 16	3505	780	108	1854
Prather, Andrew T., Douglas, Ariz. Ter. Pendulum-power	764,557	July 12	2173	451	111	492
Prather, Samuel E., et al. (See Weaver, Ira A., assignor.)						
Pratt, Albert K. (See Arnold and Pratt.)						
Pratt, Albert K., assignor to Whitin Machine Works, Incorporated, Whitinsville, Mass. Warp stop-motion for looms	764,899	July 12	2056	426 427 427	111	468
Pratt, Ashton H., Chicago, Ill. Tread-plate for boots or shoes	766,467	Aug. 2	644	138	111	1180
Pratt & Cady Company. (See Corey, William W., assignor.)						
Pratt, Charles A., Oakpark, Ill. Speed-regulating magnetic clutch	754,804	Mar. 15	3177	692 693	109	728
Pratt, Charles R., Montclair, N. J. Moving stairway	763,204	June 21	3152	678	110	2165
Pratt, Cyrus C., assignor of two-thirds to J. E. Mayo, M. L. Pratt, and M. Weddell, Portland, Ore. Ore-grinding mill	774,273	Nov. 8	1428	306	113	338
Pratt, Edwin, Kankakee, Ill. Umbrella-stand	777,222	Dec. 13	1493	330	113	1733
Pratt, Harry, Kenilworth, Ill. Apparatus for dividing carcasses of hogs or other animals	768,296	Aug. 23	4299	905	111	2047
Pratt, Le Gage, East Orange, N. J. Combination letter-clip and blotter	749,921	Jan. 12	1379	294	108	337
Pratt & Letchworth Company. (See Bradley, John C., assignor.)						
Pratt, Martin L., et al. (See Pratt, Cyrus C., assignor.)						
Pratt, Philip W., Boston, Mass. Rubber tread	767,120	Aug. 9	2035	423	111	1512
Pratt, Philip W., Boston, Mass. Rubber tread	769,324	Sept. 6	352	88	112	82
Pratt, Robert G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shedding mechanism for looms	758,932	May 3	704	141	110	165
Pratt, Thomas J., assignor to J. F. Kerr, J. E. Shaw, and C. R. Blundell, Paterson, N. J. Canteen	753,516	Mar. 1	570	131	109	124
Pratt, Tom, Shipley, England. Apparatus for mercerizing	750,694	Jan. 26	4224	917	108	983
Pratt, Tom, Shipley, C. King, Bradford, and J. E. Hammond, Baldon, England. Machine for pressing and finishing textile fabrics	768,690	Aug. 30	5263	1107	111	2281
Pratt & Whitney Company. (See Hanson, Bengt M. W., assignor.)						
Pratt, William H. (See Cox and Pratt.)						
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Inertia-damper for electric measuring instruments	755,792	Mar. 29	5099	1119	109	1165
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Means for controlling electric meters	768,344	Aug. 23	4503	947	111	2093
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric meter	771,266	Oct. 4	92	20	112	981
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Alternating-current meter	771,932	Oct. 11	1430	326	112	1278
Pratt, William H. and A. J. R. Fiego, Lynn, Mass., assignors to General Electric Company. Tell-tale-register	751,007	Feb. 2	417	98, 99	108	1150
Pratt, Wilson R., Topeka, Kans. Air-engine	768,691	Aug. 30	5266	1107	111	2281
Pratt, Wilson R., Topeka, Kans. Compressed-air locomotive	774,778	Nov. 15	2425	523	113	578
Pratte, Charles A., assignor of two-thirds to E. T. Smith and G. A. Green, Denver, Colo. Pneumatic sander for car-trucks	755,339	Mar. 22	4513	1004	109	1032
Pratz, William A., New York, N. Y. Protection-plate for window-sills	751,008	Feb. 2	419	99	108	1150
Pray, Della. (See Cook, Everett, assignor.)						
Pray, Edward E., Plainfield, N. J. Antiseptic wall-paper	766,842	Aug. 9	1488	407 408 409	111	1391
Pray, Stuart H., Norwood, Mass. Signature-gathering machine	767,081	Aug. 9	1949	407 408 409	111	1494
Prégardein, Joseph E., Kalk, Germany. Apparatus for purifying gas	769,713	Sept. 13	1105	237	112	268
Preiss, Gustav, Pabianice, near Lodz, Russia. Weaver's shuttle	761,099	May 31	5055	1073	110	1194
Prendergast, Daniel J., New York, N. Y., V. H. Sinnack and T. Wilson, assignors to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Street-light	750,555	Jan. 26	3988	862	108	932
Prentice, Ernest, et al. (See Ellison, Oliver E., assignor.)						
Prentice, George E., assignor to Traut and Hine Manufacturing Company, New Britain, Conn. Clasp for garment supporters	769,875	Sept. 13	1407	300	112	336
Prentice, George W., Providence, R. I. Lacing-loop	757,678	Apr. 19	2957	419	109	2007
Prentice, George W., Providence, R. I. Lacing-loop	757,679	Apr. 19	2958	418	109	2007
Prentice, George W., Providence, R. I. Lacing-hook	761,100	May 31	5058	1073	110	1194
Prentice, John F., New York, N. Y. Case	756,122	Jan. 19	3164	680	108	736
Prentice, John P., Barberton, Ohio, assignor to Stirling Company, Jersey City, N. J. Cutter-head for flue-cleaners	755,930	Mar. 29	5318	1173	109	1229
Prentice, John P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Boiler-tube cleaner	759,468	May 10	1815	366 364 365	110	432
Prentiss, Andrew L., Buffalo, N. Y. Trolley-pole	777,304	Dec. 13	1640	365	113	1806
Prentiss, Gilbert N., et al. (See Shupe, Eli, assignor.)						
Prenzel, George C., Franklin, Tenn. Grinding-mill	760,481	May 24	3762	737	110	897
Presby, Edwin O., New York, N. Y. Garment-support	761,605	May 31	5986	1285	110	1400
Prescott, Arthur T. (See Eck, Thomas W., assignor.)						
Prescott, De Witt C., Chicago, Ill. Conveyor for band-saw mills	762,653	June 14	2049	444	110	1902
Prescott, De Witt C., Chicago, Ill. Automatic lumber-transfer device	771,089	Sept. 27	3750	790	112	893
Prescott, De Witt C., Chicago, Ill., assignor of three-fourths to S. K., L. L., and E. L. Prescott, Marinette, Wis. Sawmill set-works	757,224	Apr. 12	2011	437	109	1788
Prescott, Edward L., et al. (See Prescott, De Witt C., assignor.)						
Prescott, Edwin, Arlington, Mass. Non-wringer	762,252	June 7	1209	360	110	1702
Prescott, F. M. (See Pettit, Ademor N., assignor.)						
Prescott, Frederick M., Milwaukee, assignor to Fred. M. Prescott Steam Pump Company, West Allis, Wis. Multiple-expansion engine	751,995	Feb. 9	2294	513	108	1567
Prescott, Frederick M., Milwaukee, assignor to Fred. M. Prescott Steam Pump Company, West Allis, Wis. Multiple-expansion engine	751,996	Feb. 9	2295	513	108	1567
Prescott, Frederick M., Milwaukee, assignor to Fred. M. Prescott Steam Pump Company, West Allis, Wis. Multiple-expansion engine	751,997	Feb. 9	2296	513	108	1567

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Prescott, Henry A. (See Prescott, Thomas D. J. C., and H. A.)						
Prescott, James C. (See Prescott, Thomas D. J. C., and H. A.)						
Prescott, James E., Passaic, N. J. Filling-machine.	751,555	Feb. 9	1423	323 324	108	1380
Prescott, Loren L., <i>et al.</i> (See Prescott, De Witt C., assignor.)						
Prescott, Loren L., Marinette, Wis. Pressure transmitter	766,287	Aug. 2	806	62	111	1108
Prescott, Sumner K., <i>et al.</i> (See Prescott, De Witt C., assignor.)						
Prescott, Sydney I. (See Tyberg and Prescott.)						
Prescott, Thomas D. J. C., and H. A., Philadelphia, Pa. Rotary engine	753,735	Mar. 1	994	226	109	214
Presnell, James F., Chicago, Ill. Wick-trimmer	751,339	Feb. 2	1054	239	108	1282
Press Novelty Company. (See Bar, Henry C., assignor.)						
Press Publishing Company. (See Richardson, Stephen J., assignor.)						
Press Publishing Company. (See Swain, James H., assignor.)						
Pressed Metal Manufacturing Company. (See Lachman, Maurice, assignor.)						
Pressed Metal Manufacturing Company. (See Zamboni, Lawrence, assignor.)						
Pressed Prism Plate Glass Company. (See Wadsworth, Frank L. O., assignor.)						
Pressed Steel Car Company. (See Dods, Ethan I., assignor.)						
Pressed Steel Car Company. (See Hansen, John M., assignor.)						
Pressed Steel Car Company. (See Hastings, Alonzo L., assignor.)						
Pressed Steel Car Company. (See Lindström, Charles A., assignor.)						
Pressed Steel Car Company. (See Lindström and Ditchfield, assignors.)						
Pressed Steel Car Company. (See Lindström and Streib, assignors.)						
Pressed Steel Car Company. (See Lindström and Stucki, assignors.)						
Pressed Steel Car Company. (See Rapley, Frederick H., assignor.)						
Pressed Steel Car Company. (See Streib, John F., assignor.)						
Pressed Steel Car Company. (See Stucki, Arnold, assignor.)						
Prested, George M., and C. Fisher, assignors of one-third to D. C. Keely, Indianapolis, Ind. Cement and glaze for fire-brick	775,384	Nov. 22	3726	-----	113	897
Prest, John E., Worcester, Mass. Yarn-guide-holding mechanism	753,625	Mar. 1	772	172	109	167
Prest, John E., Worcester, Mass. Thread-board for spinning frames.	758,933	May 3	706	142	110	165
Prest, John E., Worcester, Mass. Spinning spindle and bobbin	767,011	Aug. 9	1805	379	111	1461
Prest, John E., Worcester, Mass. Spinning spindle.	765,074	Aug. 23	3980	836	111	1979
Prest, John E., Worcester, Mass. Spinning spindle	775,681	Nov. 22	4573	923	113	1041
Prested, Henry G., Camden Town, England. Miner's electric lamp.	749,500	Jan. 12	1970	409	108	461
Prestele, Joseph, and F. Blamoser, Deggendorf, Germany. Coupling	776,423	Nov. 29	5807	1239	113	1380
Preston, George H., Shortsville, assignor, by mesne assignments, to Boutell Manufacturing Company, Rochester, N. Y. Automatic feed device	765,993	July 26	4184	803	111	951
Preston, Joseph H., Montreal, Canada. Display device	768,909	Aug. 30	5695	1197 1198	111	2380
Preston, Lewis C., Weston, Ore. Combined weed-cutter and cultivator	769,832	Sept. 13	1331	285	112	320
Preston, Lewis C., Weston, Ore. Combination drill and reamer	776,365	Dec. 6	813	176	113	1605
Pretzman, Charles J., <i>et al.</i> (See Brindle, Philip S., assignor.)						
Prevost, Henri E., <i>et al.</i> (See Prevost, Magnus, assignor.)						
Prevost, Louis N. (See Ferguson and Prevost.)						
Prevost, Magnus, assignor of seven-tenths to H. E. Prevost and L. F. Roger, Haverhill, Mass. Buffing-roll	755,388	Mar. 22	4261	941	109	980
Price, Albert, Philadelphia, Pa. Carpet-wire and cutter	774,695	Nov. 8	3211	482	113	507
Price, Andrew J., Dobson, Miss. Rubber-dam holder	750,695	Jan. 26	4227	917	108	983
Price, Benjamin. (See Laybourne, Marsh, and Price.)						
Price, Charles B., Oakmont, Pa. Street-car	770,107	Sept. 13	1822	385	112	438
Price, Charles S., Westmont, Pa. Coke-quenching apparatus	761,251	May 31	5336	1133	110	1255
Price, Charles W., Spirit Lake, Iowa. Skate-sharpener	750,696	Jan. 26	4228	917	108	983
Price, Dunham B., <i>et al.</i> (See Dean, Walter C., assignor.)						
Price, Edgar F. (See Horry and Price.)						
Price, Edgar F., assignor to Union Carbide Company, Niagara Falls, N. Y. Electrically heating articles	752,357	Feb. 16	2963	659	108	1736
Price, Edgar F., assignor to Union Carbide Company, Niagara Falls, N. Y. Heating articles by electricity	752,358	Feb. 16	2965	660	108	1737
Price, Edgar F., assignor to Union Carbide Company, Niagara Falls, N. Y. Electric heating	757,693	Apr. 19	2867	625	109	1987
Price, Edgar F., assignor to Union Carbide Company, Niagara Falls, N. Y. Electric-resistance furnace	757,694	Apr. 19	2870	625	109	1988
Price, Edgar F., assignor to Union Carbide Company, Niagara Falls, N. Y. Package	765,303	July 26	4012	836	111	913
Price, Harrison W., Pittsburgh, Pa. Signal	772,631	Oct. 18	2860	627	112	1614
Price, Harry G., South Bend, Ind. Combined brush and mop holder	755,540	Mar. 22	4514	1005	109	1033
Price, Henry A., assignor to C. Meissel, New York, N. Y. Accordion-lock	778,145	Dec. 20	3337	732	113	2178
Price, Isaac N., Salem, Ohio. Fireproof window	776,349	Nov. 29	5665	1199	113	1347
Price, Jonathan D., Aurora, assignor to Miller Signal Company, Chicago, Ill. Signal apparatus	757,768	Apr. 19	3125	680	109	2043
Price, Jonathan E., Chattanooga, Tenn. Apparatus for molding sand cores.	760,806	May 24	4443	941	110	1044
Price, Jonathan E., Chattanooga, Tenn. Pattern	769,958	Sept. 13	1563	333	112	369
Price, Jonathan E., Chattanooga, Tenn. Apparatus for molding sash-weights.	769,959	Sept. 13	1563	333	112	369
Price, Jonathan E., Chattanooga, Tenn. Molding apparatus	770,536	Sept. 20	2664	564	112	634
Price, Ray D., Detroit, Mich. Automatic guard for bottling-machines	778,606	Dec. 27	4255	928	113	2393
Price, Raymond B., Chicago, Ill. Covered elastic cord	752,414	Feb. 16	3083	884	108	1761
Price, Raymond B., Chicago, Ill. Apparatus for mounting tires	752,415	Feb. 16	3084	884	108	1761
Price, Raymond B., Chicago, Ill. Rubber vehicle-tire	752,416	Feb. 16	3086	885	108	1761
Price, Raymond B., Chicago, Ill. Rubber vehicle-tire	752,417	Feb. 16	3089	885	108	1762
Price, Raymond B., Chicago, Ill. Regenerating vulcanized rubber	762,243	June 14	2453	532	110	1989
Price, Raymond B., Chicago, Ill. Horseshoe	768,237	Aug. 23	4303	905	111	2048
Price, Richard. (See Richardson and Price.)						
Price, Stephen B., assignor of one-half to A. E. Mattingly, Eagle Mills, Ky. Car-coupling	754,397	Mar. 8	2333	510	109	526
Price, Theodore B., Cresco, Pa. Chamfering-machine for making mine-ties	764,820	July 12	1903	390	111	432
Price, Theodore H., assignor to Utility Cotton Picker Company, New York, N. Y. Cotton-harvester	770,653	Sept. 20	2882	613 614	112	683
Price, Vincent. (See Tooker and Price.)						
Price, Weston A., assignor to Electric and Dental Specialty Company, Cleveland, Ohio. Composition of matter	753,310	Mar. 1	176	-----	109	41
Price, Weston A., assignor to Electric and Dental Specialty Company, Cleveland, Ohio. Electric controller	777,536	Dec. 13	2096	461	113	1904
Price, William C., <i>et al.</i> (See White, Frank H., assignor.)						
Price, William G., New York, N. Y. Car-truck	753,626	Mar. 1	774	172	109	168
Price, William G., New York, N. Y. Brake-rigging	757,345	Apr. 12	2264	494 495	109	1841
Price, William G., Kingston, N. Y. Truck	753,627	Mar. 1	777	173	109	169

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Price, William G., Kingston, N. Y. Motor suspension.....	761,540	May 31	5870	1258	110	1374
Price, William G., Kingston, N. Y. Brake-rigging for trucks, &c.....	762,844	June 14	2456	339	110	1989
Price, William G., Kingston, N. Y., assignor to J. A. Brill, Philadelphia, Pa. Truck.....	762,799	Feb. 23	3822	858	108	1942
Price, William G., and E. Peckham, assignors to Peckham Manufacturing Company, Kingston, N. Y. Truck.....	767,660	Aug. 16	3086	645	111	1761
Price, William J., et al. (See White, Frank H., assignor.).....						
Price, William W., Poughkeepsie, N. Y. Crate for bottles.....	752,708	Feb. 23	3659	815	108	1906
Prichard, Herbert G. (See Walters and Prichard.).....						
Prichard, William A., Kalgoorlie, Western Australia, Australia. Pressure-filter for slimes.....	776,084	Nov. 29	5166	1091	113	1232
Prichard, William G., assignor of one-half to G. O. Driscoll, Muncie, Ind. Shearing-machine.....	769,917	Sept. 13	1482	917	112	352
Priddat, Ernst F., Chicago, Ill. Tie.....	754,605	Mar. 15	2790	608	109	643
Priddat, Ernst F., Chicago, Ill. Tie-fastener.....	754,606	Mar. 15	2792	609	109	643
Priddat, Ernst F., Chicago, Ill. Fastener.....	762,599	June 14	1938	418	110	1877
Pridmore, John W. (See Benjamin and Pridmore.).....						
Pridmore, John W., assignor to International Harvester Company, Chicago, Ill. Tread for traction-wheels.....	757,635	Apr. 19	2872	625	109	1988
Pridmore, John W., assignor to International Harvester Company, Chicago, Ill. Harvester-reel support.....	766,900	Aug. 9	1598	336	111	1415
Priebe, Theodore R., Renton, Wash. Coin-controlled vending-machine.....	767,121	Aug. 9	2036	423	111	1512
Priem, Paul, assignor to J. M. Voith Maschinen-Fabrik, Heidenheim-on-the-Brenz, Würtemberg, Germany. Machine for making pasteboard.....	748,983	Jan. 5	846	181	108	196
Pries, Herman. (See Williamson and Pries.).....						
Priesmeyer, John F., Chicago, Ill. Knockdown sectional cabinet-work.....	773,161	Oct. 25	4078	863	112	1906
Priest, A. M. (See Sheldon, Lainer A., assignor.).....						
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Brush-holder (Reissue).....	12,242	July 19	3521	742	111	795
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Means for insulating electrical apparatus. (Reissue).....	12,243	July 19	3523	742	111	796
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Brush-holder.....	776,546	Dec. 6	153	84	113	1459
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Electric locomotive.....	777,693	Dec. 20	2414	530	113	1989
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Locomotive.....	777,805	Dec. 20	2643	582	113	2037
Priest, Frank L., Dallas, Tex. Pessary.....	748,650	Jan. 5	190	45	108	42
Priest, Frank L., Dallas, Tex. Artificial tooth.....	769,631	Sept. 6	938	203	112	213
Priest, Joseph K., assignor to American Shearer Manufacturing Company, Nashua, N. H. Shearing and clipping device.....	755,169	Mar. 22	3340	847	109	890
Priest, William. (See Lloyd, Walter J., assignor.).....						
Priestley, Frank W., J. Kephart, and F. M. Merchant, assignors to Iowa Gas Plant Company, Webster City, Iowa. Automatic gas-regulator.....	753,110	Feb. 23	4450	989	108	2083
Priestman, Albert, Philadelphia, Pa. Apparatus for automatically controlling the flow of liquids.....	749,825	Jan. 19	2599	535	108	616
Priestman, Albert, Philadelphia, Pa. Valve mechanism for controlling flow of liquids.....	775,855	Nov. 22	4696	994	113	1109
Priestnall, Thomas, Philadelphia, Pa. Drinking vessel or the like.....	777,305	Dec. 13	1644	365	113	1807
Prieto, Manuel, Mexico, Mexico. Machine for cleaning fibers.....	752,258	Feb. 16	2774	615	108	1695
Prieto, Manuel, Mexico, Mexico. Machine for cleaning fiber.....	753,628	Mar. 1	779	174	109	169
Prieto, Manuel, Mexico, Mexico. Machine for cleaning fibers.....	753,736	Mar. 1	996	226	109	215
Prieto, Manuel, Mexico, Mexico. Machine for disintegrating fibrous plants.....	755,931	Mar. 29	5319	1174	109	1229
Prigga, Mathis, St. Petersburg, Russia. Fine-fuel-feeding apparatus.....	768,492	Aug. 23	4801	1006	111	2163
Prim, William J. (See Mantel and Prim.).....						
Primary Power Company. (See Atwood, George F., assignor.).....						
Prince, Hyman. (See Farley, John C., assignor.).....						
Prince, John A., New York, N. Y. Bottle-washing machine.....	776,547	Dec. 6	154	35	113	1459
Prince, Samuel F., Jr., Reading, Pa. Locomotive-boiler.....	754,497	Mar. 15	2397	564	109	603
Prinzen, August, Minnesota, Minn. Blow-torch.....	764,764	July 12	1780	364	111	406
Prindle, Edwin J., Washington, D. C. Last or other shoe-form.....	773,521	Oct. 25	4856	1025	112	2076
Prindle, Edwin J., Washington, D. C. Making shoes.....	773,522	Oct. 25	4860	1026	112	2077
Prindle, Frank P., Stamford, Conn. Nipple-shield.....	751,415	Feb. 2	1177	268	108	1307
Pring, John R., Tecumseh, Okla. Ter. Whiffletree-coupling.....	755,541	Mar. 22	4515	1005	109	1037
Pringle, Frank B., Jackson, Tenn. Match-box.....	761,906	June 7	593	119	110	1571
Printers Stick Company. (See Tittle, Reuben D., assignor.).....						
Printz, Daniel F., Reading, Pa. Fire-pot for stoves, &c.....	767,122	Aug. 9	2039	424	111	1513
Prior, Edward E., et al. (See Parker, Alexander, assignor.).....						
Prior, George A. (See Hauscom and Prior.).....						
Pritchard, Charles L., Aurora, Ill. Commercial paper.....	754,010	Mar. 8	1581	353	109	265
Pritchard, William B., Indianapolis, Ind. Picker-cylinder.....	760,246	May 17	3328	700	110	738
Probasco, Abraham B., near Lebanon, Ohio. Splicing-tool.....	755,512	Mar. 22	4517	1005	109	1033
Probes, Charles K., Elmira, N. Y. Game apparatus.....	768,800	Aug. 23	4424	930	111	2076
Probst, A. Wolf, Hesselthal, near Hail, Germany. Floor and ceiling.....	772,372	Oct. 18	2354	517	112	1505
Prochaska, Frank J., Park River, N. D. Ventilator.....	754,805	Mar. 15	8181	628	109	729
Prochaska, Frank J., Park River, N. D. Ventilator.....	766,068	July 26	4317	924	111	973
Prochnow, Julius W. C., Flagstaff, Ariz. Ter. Gage-cock for steam-boilers.....	771,208	Sept. 27	3987	844	112	943
Proctor, Amos W., Billerica, Mass. Printing-press.....	772,632	Oct. 18	2861	637	112	1614
Proctor, Amos W., Billerica, Mass. Printing-press.....	773,766	Nov. 1	440	97	113	104
Proctor, Amos W., Billerica, Mass. Printing-press.....						
Proctor, Fredus A. (See De Boy, Peter F., assignor.).....						
Proctor, Guy H., and J. B. Daley, assignors to New England Electric Manufacturing Company, Somerville, Mass. Electric-incandescent-lamp socket.....	755,697	Mar. 29	4835	1075	109	1122
Proctor, Josiah K., assignor to Philadelphia Textile Machinery Company, Philadelphia, Pa. Machine for grinding the teeth of picker-cylinders.....	777,637	Dec. 13	2098	462	113	1905
Proctor, Josiah K., and W. M. Schwartz, assignors to Philadelphia Textile Machinery Company, Philadelphia, Pa. Drying-machine.....	775,763	Nov. 22	4517	958	113	1072
Proeger, Julius, Greensburg, Pa. Apparatus for making glass sheets.....	763,633	June 28	3980	868	110	2363
Prokopovitch, Andrew G., Bridgeport, Conn. Ink-well.....	773,692	Nov. 1	718	153	113	165
Prollius, Bernhard A. O., Copenhagen, Denmark. Centrifugal liquid-separator.....	767,956	Aug. 16	3657	772	111	1885
Propeller Churn Company. (See Hirschenfeld, Joseph, assignor.).....						
Proskauer, Jenny, St. Louis, Mo. Kitchen-fork.....	750,697	Jan. 26	4229	918	108	984

Alphabetical list of patentees—Continued.

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Disg.	Vol.	Pages.
Proskey Light Company. (See Proskey, Winfield S., assignor.)						
Proskey, Winfield S., Ocala, Fla. Hydrocarbon-vapor burner	752,102	Feb. 16	2472	351 352	108	1626
Proskey, Winfield S., Ocala, Fla., assignor, by mesne assignments, to Proskey Light Company, Jersey City, N. J. Hydrocarbon incandescent lamp	766,727	Aug. 2	1208	256	111	1309
Pross, John A. (See Casler and Pross.)						
Prosser, James H. (See Dunn, Dennis, assignor.)						
Prosser, James H., Mahanoy City, Pa. Lighting attachment	753,517	Mar. 1	571	131	109	124
Prosser, Joseph F. (See Gedeon and Prosser.)						
Prött, Carl, Hagen, assignor of one-half to A. Coisman, Werdohol, Germany. Hydraulic press	776,934	Dec. 6	954	203 204	113	1638
Prött, Carl H., Rheydt, Germany. Commutator for telephonic or other circuits	754,011	Mar. 8	1582	333 354	109	365
Prouse, Clinton E., et al. (See Howe, John C., assignor.)						
Prouty, Burt. (See Nagle and Prouty.)						
Prouty, C. R. (See Willis, Harry, assignor.)						
Prouty, Chester, Ridgway, Pa. Chucking machinery	753,430	Mar. 1	397	83, 94	109	87
Prouty, Enoch, Chicago, Ill. Fuel-feed device for gasoline or vapor engines	748,883	Jan. 5	623	140	108	133
Prouty-Glass Carriage Company. (See Prouty, William C., assignor.)						
Prouty, Theodore C., Albion, Mich. Adjustable sliding-door support	748,787	Jan. 5	428	98	108	96
Prouty, Theodore C., Albion, Mich. Door-hanger	774,338	Nov. 8	1553	333	113	366
Prouty, William C., assignor to Prouty-Glass Carriage Company, Wayne, Mich. Spring-sleigh	774,532	Nov. 8	1908	414	113	442
Prouvost, Alphonse, Tourcoing, France. Wheel for vehicles	764,676	July 12	1612	329	111	369
Prouvot, Georges, Roubaix, France. Wool burring and picking machine	754,236	Mar. 8	2013	1477 1478	109	460
Providence Engineering Works. (See Sargent, John W., assignor.)						
Provost, Peter, Menominee, Mich. Apparatus for steaming grain	768,692	Aug. 30	5368	1107 1108	111	2282
Provost, Theodore L. (See Borduas, Hyacinthe O., assignor.)						
Prox & Brinkman Manufacturing Company. (See Smith, Alvin T., assignor.)						
Prudhomme, Louis N., Bermuda, La. Saddle-bag	761,782	June 7	339	68	110	1515
Prudhomme, Louis N., Bermuda, La. Saddle-bag	761,783	June 7	340	69	110	1515
Prudhomme, Louis N., Bermuda, La. Combined mail and saddle bag	761,797	June 7	595	119	110	1572
Prudhon, Jean B., Marseilles, France. Multitubular boiler	764,369	July 5	953	192	111	1212
Prunty, John, et al. (See Heenan, James, assignor.)						
Pruyn, Marcus, assignor of one-half to R. M. Jones, Florin, Cal. Cultivator	755,932	Mar. 29	5322	1174	109	1230
Prybail, Estate of P. (See Dette, Max H., assignor.)						
Pryor, Reginald C., Houghton, Mich. Pneumatic piano attachment	754,498	Mar. 15	2598	564 565	109	603
Przedeczki, Josef and L., Breslau, Germany. Apparatus for preparing cigarette-mouth-pieces	778,373	Dec. 27	3806	830	113	2296
Przedeczki, Josef and L., Breslau, Germany. Cigarette	778,374	Dec. 27	3806	830	113	2296
Przedeczki, Ludwig. (See Przedeczki, Josef and L.)						
Psiake, Alchides G., New York, N. Y. Cigarette or cigar box	757,225	Apr. 12	2013	437	109	1789
Publishers: George Knapp and Co., et al. (See Dawes, Charles A., assignor.)						
Puckett, John E., Richmond, Va. Car-stake	756,705	Apr. 5	970	213	109	1551
Puckett, William, Wetzell, Mich. Alarm device or indicator	777,538	Dec. 13	2099	462	113	1905
Puddefoot, Charles, and B. Briscoe, assignors to Briscoe Manufacturing Company, Detroit, Mich. Fall	756,406	Apr. 5	437	90	100	1436
Pudlin, David, New York, N. Y. Backing for display-board	773,419	Oct. 25	4621	976	112	2024
Puerner, Arthur G., Stoughton, Wis. Lubricator	769,632	Sept. 6	939	203	112	213
Puff, Samuel N. (See Lawrence and Puff.)						
Puffer Manufacturing Company. (See Murphy, Edward E., assignor.)						
Puffert, William F., and B. Eckhoff, Boone, Iowa. Non-refillable bottle	765,790	July 26	3816	813	111	869
Puget Sound Dry Dock and Machine Company. (See Thomas, Edwin E., assignor.)						
Pugh, Charles W., Veedersburg, Ind. Brick re-pressing machine	771,090	Sept. 27	3751	790 791	112	893
Pugh, John V., Allesley, near Coventry, England. Fastening for wheels, cranks, or the like	775,764	Dec. 22	4518	958	113	1072
Pugh, John V., Allesley, near Coventry, England. Fastening for wheels and cranks	776,935	Nov. 6	936	204	113	1638
Pugh, Milton E. (See Davis and Pugh.)						
Pugh, William J., assignor to Automatic Electric Pump Company, Davenport, Iowa. Pressure-controlled electric switch	765,089	July 12	2312	480	111	520
Pugh, William J., assignor to Automatic Electric Pump Company, Davenport, Iowa. Pressure-controlled electric switch	765,040	July 12	2313	481	111	521
Pugsley, Thomas P., et al. (See Bryar, George, assignor.)						
Pullan, James F. (See Mathieu and Pullan.)						
Pullen, Christopher C., Waverly, Tenn. Churn	765,710	July 26	3624	771	111	833
Pullen, Leon W., assignor to Wireless Railway Company, Philadelphia, Pa. Electric railway	749,401	Jan. 12	1743	369	108	415
Pullen, Leon W., Philadelphia, Pa., assignor to Wireless Railway Company. Medical battery	772,959	Oct. 25	3516	761	112	1775
Pullen, Leonard O., Augusta, Me. Hose-supporter	764,370	July 5	963	192	111	212
Pulliam, Oswald S., St. Louis, Mo. Draft-rigging carrier	777,539	Dec. 13	2100	462	113	1905
Pulliam, Oswald S., assignor to Commonwealth Steel Company, St. Louis, Mo. Draft-rigging carrier for car-rolls	776,201	Nov. 29	5381	1140	113	1282
Pulliam, Oswald S., assignor to Commonwealth Steel Company, St. Louis, Mo. Draft-rigging	776,202	Nov. 29	5382	1140	113	1283
Pulliam, Oswald S., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-coupling	776,203	Nov. 29	5383	1141	113	1283
Pulliam, Oswald S., assignor to Commonwealth Steel Company, St. Louis, Mo. Draft-rigging carrier for car-rolls	776,257	Nov. 29	5499	1164	113	1309
Pullman Automatic Ventilator Company. (See Kidwell, Harry C., assignor.)						
Pullman, Herbert S., Meriden, assignor, by mesne assignments, to Hurwood Manufacturing Company, Plantsville, Conn. Screw-driver	753,211	Feb. 23	4643	1093	108	2125
Pullman, Herbert S., Meriden, Conn., assignor of one-half to J. Stearns, New York, N. Y. Garment-fastener	767,957	Aug. 16	3658	772	111	1885
Pullman, Irving W., Bristol, Vt. Fluid-strainer	749,880	Jan. 19	2697	576	108	638
Pulsifer, Nathaniel W., Philadelphia, Pa. Placer-mining machine	769,489	Sept. 6	698	130	112	169
Pulver Chocolate and Chiclé Manufacturing Company. (See Pulver, Henry H., assignor.)						
Pulver, Henry H., assignor, by mesne assignments, to Pulver Chocolate and Chiclé Manufacturing Company, Rochester, N. Y. Vending-machine	772,960	Oct. 25	3517	762	112	1776
Pumphrey, James R., Chipley, Fla. Baling-press	771,091	Sept. 27	3756	791	112	894

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Pumphrey, Walter H., New York, assignor to Gum and Sweetmeat Company, White-plains, N. Y. Vending-machine	766,728	Aug. 2	1210	256	111	1310
Pun Vending Company. (See Hoag, Hermon V., Jr., assignor.)						
Pupin, Michael I., New York, N. Y. Wireless electrical signaling	768,301	Aug. 23	4426	980	111	2076
Pupin, Michael I., New York, N. Y., assignor to American Bell Telephone Company, Boston, Mass. Apparatus for reducing attenuation of electrical waves	761,995	June 7	747	153	110	1602
Pupke, Eberhard L., East Orange, assignor to Agatine Shoe Hook and Eyelet Company, Newark, N. J. Setting-machine.	753,431	Mar. 1	402	94	109	87
Purcell, Henry. (See Cruise, Alexander, assignor.)						
Purdy, Corydon T., Upper Montclair, and J. S. Lane, Jersey City, N. J. Attachment for uniting metal bars and beams	749,292	Jan. 12	1380	295	108	337
Purdy, Fred P., Boston, Mass. Jar-cover	768,950	Aug. 30	5779	1215	111	2399
Purdy, John, Newburgh, N. Y. Brooder	769,633	Sept. 6	941	203 204	112	214
Purdy, John H., New London, Ohio. Telegraph-pole	752,259	Feb. 16	2776	616	108	1696
Purdy, John H., Chicago, Ill. Compensating balance	753,914	May 17	2672	561	110	885
Purdy, John S., Brooklyn, N. Y. Fountain-pen	758,394	Oct. 8	3877	142	110	165
Puritan Machine Company. (See Hart, Henry C., assignor.)						
Purschke, Hermann, Düsseldorf, Germany. Penholder	772,000	Oct. 11	1750	332	112	1308
Pursell, Harry D., Washington Court-House, Ohio. Awning for vehicle-tops	761,321	May 31	5484	1167	110	1286
Purton, Frederick, Muswell Hill, England. Slab or covering for buildings or structures.	765,368	July 19	2988	614	111	671
Purucker, George, McKees Rocks, Pa. Wrench	768,075	Aug. 23	3981	836	111	1979
Pusey, Joshua, Lima, assignor of one-half to C. D. Williams, Philadelphia, Pa. Suspenders	755,543	Mar. 22	4518	1005	109	1033
Pusterla, Attilio, New York, N. Y. Pleasure-waterway	753,311	Mar. 1	176	40	109	41
Pusterla, Attilio, St. Louis, Mo. Pleasure-waterway	774,274	Nov. 8	1430	306	113	839
Pusterla, Attilio, St. Louis, Mo. Pleasure-waterway	776,936	Dec. 6	957	204	113	1638
Putnam, Edward B., and W. H. Kressler, East Stroudsburg, Pa. Handle attachment for demijohns, &c.	751,009	Feb. 2	421	100	108	1150
Putnam, Edward B. (See Hadley and Putnam.)						
Putnam, Israel C. (See Berry and Putnam.)						
Putnam, John H., assignor of two-thirds to W. H. Masterman and F. P. Hotchin, Constantine, Mich. Rotary engine	771,933	Oct. 11	1433	326	112	1278
Putney, Herbert E., E. H. Eckert, and M. D. Putney, Toledo, Ohio. Magazine-fuse	761,908	June 7	596	119 120	110	1372
Pyburn, Thomas L., assignor of one-half to C. K. Watkins, Dunlap, Tenn. Ratchet-drill.	755,933	Mar. 29	5324	1174	109	1231
Pyle, Abner W., Hopkinsville, Ky. Bedclothing and mattress clamp	751,010	Feb. 2	422	100	108	1151
Pyle, Abner W., Hopkinsville, Ky. Folding bed	774,275	Nov. 8	1432	306 307	113	340
Pyle Electric Headlight Company. (See Stogsdill and Schatz, assignors.)						
Pyle, George C., Indianapolis, Ind. Machine for making hollow glassware	775,709	Nov. 22	4423	934 935 936	113	1051
Pyle, George W. (See White and Pyle.)						
Pyle National Electric Headlight Company. (See Ross, Mark A., assignor.)						
Pyle, Owen P. (See Scoggin and Dean, assignors.)						
Pyle, Reese R., Wilmington, Del. Device for holding spoons	770,925	Sept. 27	3429	723	112	822
Pyle, Thomas L. (See Smithson, Thomas F., assignor.)						
Pym, Charles F., Essex, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Lasting-jack	755,544	Mar. 22	4520	1006	109	1034
Pym, Charles F., Essex, Canada, assignor of one-half to Krentler Brothers Company, Detroit, Mich. Nailing-machine	763,927	June 28	4567	998	110	2488
Pynchon, Lauriston F. L., Philadelphia, Pa. Garment-hanger	769,634	Sept. 6	943	204	112	214
Pyne, George R., Springfield, Mass. Drawing-pen	763,205	June 21	3154	678	110	2165
Pyott, Louis T., assignor to J. E. Reyburn, Philadelphia, Pa. Air-compressor	764,630	July 12	1512	309	111	343
Pyro Electric Company. (See Wightman, Merle J., assignor.)						
Quackenbush, Henry M., Herkimer, N. Y. Target	761,784	June 7	341	69	110	1515
Quackenbush, John J., Lakeview, N. J. Shutter-fastener	768,195	Aug. 23	4217	886 887	111	2030
Quaker City Folding Box Company. (See Patrick, Sheldon E., assignor.)						
Quaker City Wallpaper Company. (See McCartney, Louis H., assignor.)						
Quaker Manufacturing Company. (See Hunt, Thomas E., assignor.)						
Quaker Shade Roller Company. (See Flagler, Claude, assignor.)						
Quaker Shade Roller Company. (See Jones, William D., assignor.)						
Qualley, John O., Adams, Minn. Belt-adjuster for harvesters	755,315	Mar. 22	4112	908	109	945
Quandt, Otto, assignor of one-half to A. C. Harper, Los Angeles, Cal. Pipe-dressing machine	763,568	June 28	3866	838	110	2340
Quarles, Alexander H. (See Harmon, William O., assignor.)						
Quarnerberg, Andrew A., Vancouver, Wash. Fruit-drier	753,737	Mar. 1	999	227 228	109	215
Quarngeser, Henry, Baltimore, Md. Coat	751,940	Feb. 9	2165	489	108	1540
Quasebarth, Gustav C., assignor of one-half to William N. Matthews & Brother, St. Louis, Mo. Tube-cleaner	770,313	Sept. 20	2258	473	112	545
Quay, David M. (See Baltzley and Quay.)						
Quay, Thomas R. (See Baltzley and Quay.)						
Quee, Sarah, Pasadena, Cal. Match-safe	758,215	Apr. 26	3994	867	109	2252
Quee, Sarah, Pasadena, Cal. Bottle-cleaning device	774,106	Nov. 1	1137	242	113	257
Queen Manufacturing Company. (See Burnell, Arthur S., assignor.)						
Quehl, Herman H., Newport, Ky. Button	766,729	Aug. 2	1213	257	111	1310
Quelch, Joseph A., New York, N. Y. Bird-cage	754,806	Mar. 15	3183	681 682 683 684 685 686 687	109	730
Quenard, Emile, assignor to La Société Quenard Frères et Fils, Paris, France. Paper-bag machine	749,631	Jan. 12	2194	462 463 464 465 466	108	511
Quenon, Vital, Turtlecreek, Pa. Wrench	761,996	June 7	753	153	110	1603
Quentell, William P., New York, N. Y. Adding machine	756,706	Apr. 5	971	214	109	1551
Quentell, William P., New York, and F. Judge, Brooklyn, assignors to Postal Typewriter Company, New York, N. Y. Type-writing machine	755,545	Mar. 22	4522	1006 1007	109	1034
Querner, Friedrich. (See Domachowski, John S., assignor.)						
Quertier, Hilary, Dunedin, New Zealand. Machine for excavating, raising, screening, and filling gravel ballast or the like	750,005	Jan. 19	2943	629 630 631	108	691
Quertier, Hilary, Dunedin, New Zealand. Machine for excavating, raising, screening, and filling gravel ballast, &c.	752,709	Feb. 23	3660	815 816 817	108	1907
Qvester, Eduard, Cologne-Lindenthal, Germany. Tobacco-stem-crushing machine	761,101	May 31	5057	1073 1074	110	1194

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Quick, Byron J., and W. H. Smith, Jr., Ithaca, Mich.; said Quick assignor to said Smith.						
Door-latch.	749,094	Jan. 5	1097	231	108	252
Quick, Hiram M. (See King and Quick.)						
Quick Hitch Mfg. Company. (See Alexander, William A., assignor.)						
Quick, Rolla E., Paw Paw, Mich. Wire-tightening pliers.	763,507	June 28	3755	811	110	2816
Quickel, Allen E. (See Quickel, Edwin G. and A. E.)						
Quickel, Edwin G. and A. E., York, Pa. Weeder-tooth.	753,312	Mar. 1	178	40	109	41
Quigley, Matthew T., Newark, N. J. Valved-pipe coupling.	756,053	Mar. 29	5538	1221 1222	109	1273
Quigley, W. F., et al. (See Phifer, Washington L., assignor.)						
Quigley, William C., Marion, Ohio. Tubular-wick lamp-burner.	777,694	Dec. 20	2416	531	113	1989
Quigley, William D. (See Gay and Quigley.)						
Quimby, Albert G., et al. (See Lewis, Albert H., assignor.)						
Quimby, Charles H., Philadelphia, Pa. Metal-and-concrete railway-tie.	767,340	Aug. 9	3271	474	111	1562
Quimby, Charles H., Philadelphia, Pa. Automatic rerailing-switch.	767,341	Aug. 9	3273	475	111	1563
Quimby, Charles H., Jr., Pittsburg, Pa. Wrench.	775,091	Nov. 15	3065	651	113	724
Quincy Knitting Company. (See Cole, Chesterfield F., assignor.)						
Quinlan, John J., Charlestown, Mass. Toy.	757,567	Apr. 19	2726	1596	109	1955
Quinley, Charles, Jr., Milwaukee, Wis. Pump-regulator.	766,730	Aug. 2	1214	197	111	1310
Quinn, John C., assignor to E. D. Meier, New York, N. Y. Strainer.	756,892	Apr. 12	1383	300	109	1647
Quinn, John J., Warren, Pa. Garment-hanger.	767,133	Aug. 9	2040	424	111	1513
Quinn, John J., Warren, Pa. Rotary cutter-head.	768,625	Aug. 30	5119	1076	111	2350
Quinn, John N., Cincinnati, Ohio. Device for sharpening shears.	759,631	May 10	2125	437	110	498
Quinn, John N., Cincinnati, Ohio. Furnace-grate.	771,934	Oct. 11	1436	387	113	1279
Quinn, Mary V., Seattle, Wash. Thread button-shank former.	759,807	May 10	1494	299	110	361
Quinn, Patrick F., and G. Soylian, New York, N. Y. Match-box.	754,091	Mar. 8	1744	387	109	399
Quinn, Zenas J., Tharon, N. C. Caster.	774,366	Nov. 8	1599	348	113	776
Quintaine, Ernest, Argenteuil, France. Obtaining tin by electrolysis. (Reissue.)	12,211	Apr. 26	4738		109	2430
Quirk, Michael W., Jr. (See Dixon, Edward T., Sr., assignor.)						
Quittmeyer, Ernest, Bridgeport, Conn. Electric train-signal.	773,263	Oct. 25	4288	907	112	1953
Qviller, Theodor, Essvik, Sweden, and H. Stub, Christiania, Norway. Centrifugal machine for screening pulp and paper-stock.	772,737	Oct. 18	2356	517	112	1505
R. Neumann Hardware Company. (See Clark, James P., assignor.)						
R. Neumann Hardware Company. (See Hammesfahr, Julius, assignor.)						
R. Neumann Hardware Company. (See Moore, Thomas J., assignor.)						
R. D. Nuttall Company. (See Martin, Frederick S., assignor.)						
R. E. Dietz Company. (See Betts, Charles L., assignor.)						
R. K. Le Blond Machine Tool Company. (See Le Blond and Groene, assignors.)						
Raab, William, assignor to T. Cascaden, Jr., Waterloo, Iowa. Machine for forming building-blocks.	763,634	June 28	3982	888 890	110	2364
Raapke, Carl, Güstrow, Germany. Reversible converter.	777,746	Dec. 20	2509	554	113	2009
Raasch, Emil A., Kankakee, Ill. Railway coaling apparatus.	763,206	June 21	3156	679	110	2166
Raasloff, Harald de, New York, N. Y. Centrifugal machine.	750,698	Jan. 26	4390	918	108	984
Rabe, Johannes F., Kiel, Germany. Cooking apparatus.	749,223	Jan. 12	1382	295	108	339
Rabich, William, G. Rein, and L. Ehrlich, St. Louis, Mo., assignors, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Calculating-machine.	773,100	Oct. 25	3884	830 831 832	112	1859
Raby, Richard, assignor to T. J. Young, E. T. Bentz, and D. A. Minnich, York, Pa. Thill-coupling and shaft-support.	772,824	Oct. 18	3232	704	112	1693
Rachel, Friedrich, Karlshorst-Berlin, Germany. Photographic-printing apparatus.	759,469	May 10	1817	366	110	433
Racicot, Amedee, Webster, and L. Lamoreaux, Douglas, Mass. Polishing-disk.	760,080	May 17	2991	625	110	707
Racine-Sattley Company. (See Weaver, Ira A., assignor.)						
Radcliff, Charles G., Carthage, Mo. Bed for invalids.	760,755	May 24	4397	921	110	1022
Radcliff, Vanny W., North Alton, Ill. Automatic gate.	778,705	Dec. 27	4421	968	113	2431
Radcliffe, Benjamin, et al. (See Tripp, Bradford H., assignor.)						
Radcliffe, William G., Petersburg, Va. Churn.	751,203	Feb. 2	780	178	108	1224
Raddatz, Richard, Milwaukee, Wis., assignor, by mesne assignments, of nine-tenths to Allis-Chalmers Company. Electric furnace.	775,282	Nov. 15	3502	738	113	890
Rademacher, Emil J. G. (See Buchholz and Rademacher.)						
Rademacher, Georg H., and J. C. F. Boll, Quickborn; said Boll assignor to L. C. Filskov, Mögeltöndern, Germany. Press for molding artificial-stone blocks.	768,345	Aug. 23	4506	947	111	2093
Raders, Joseph F., assignor to A. Gref, New York, N. Y. Cushioning draft-gear.	770,537	Sept. 20	2665	564	112	634
Radford, Richard H., Sheffield, England. Automatic tramway-point.	764,007	July 5	179	31	111	43
Radke, Henry F. (See Cherry and Radke.)						
Rae, John C. (See Roney and Rae.)						
Raeder, W. L. (See Norton, James A., assignor.)						
Raessner, Henry C., Hancock county, Ind. Attachment for grain-binders.	775,341	Nov. 22	3642	770 771	112	881
Raff, James E., Monitor, assignor of one-half to N. W. Lundy, Marshalltown, Iowa. Liquid-feed distributor.	767,597	Aug. 16	2972	622	111	1737
Raffetto, Giovanni B., New York, N. Y. Preserving maroons.	770,187	Sept. 13	1974		112	600
Raffield, Myers S., Colorado Springs, Colo. Box-pull.	755,044	Mar. 22	3623	795	109	843
Rafter, Joseph J., Hartford, Conn. Means for forming sectional printers' rolls.	773,590	Nov. 1	109	32	113	30
Ragatz, Benjamin J., St. Joseph, Mich. Handle for baskets.	750,699	Jan. 26	4393	918	108	984
Ragona, Salvador, New York, N. Y. Window.	772,580	Oct. 18	2769	610	112	1595
Ragot, Henry, Brunswick, Me. Combined generator and combustion-chamber.	764,149	July 5	1471	92	111	102
Ragsdale, William G., Jamestown, N. C. Fire-escape.	772,056	Oct. 11	4700	379	112	1338
Rahe, Andrew C., Binghamton, N. Y. Match-making machine.	773,162	Oct. 25	4080	863 864	112	1907
Rahnner, George. (See Hatter, George B., assignor.)						
Rahskopf, Joseph, Lawrence, Kans. Furnace.	755,045	Mar. 22	3623	795	109	843
Raht, C. A. (See Weeks, Samuel V., assignor.)						
Raht, William L., Salt Lake City, Utah. Ore-sampling machine.	751,340	Feb. 2	1054	239	108	1282
Raiche, Andrew, Wollaston, Mass. Machine for tying shoe-uppers.	776,798	Dec. 6	668	147 148	113	1574
Railroad Supply Company. (See Vogel, Eugene W., assignor.)						
Railroad Supply Company. (See Vogel and Morrison, assignors.)						
Railway Cab Signal & Equipment Company. (See Powers, Edmund B., assignor.)						
Railway Electrical Improvement Company. (See Farasworth, Arthur J., assignor.)						
Railway and Stationary Refrigerating Company. (See Palmer, Cassius C., assignor.)						
Railway Steel-Spring Company. (See Lukens Alan N., assignor.)						
Raine, John W., Seattle, Wash. Boat-propeller.	764,958	July 12	2175	451	111	492

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Raines, Henry, Mason, Tex. Wire stretcher, clamp, and splicer	776,937	Dec. 6	959	305	113	1639
Raines, Henry, assignor of one-half to H. J. Lowrey, Mason, Tex. Punching-machine	771,391	Oct. 4	334	74	112	1031
Raines, Matthew, Decota, W. Va. Jack for mining-machines	770,607	Sept. 20	2791	593	112	663
Rainey, George, assignor of one-half to A. N. Leffingwell, Enid, Okla. Ter. Adding-machine	776,616	Dec. 6	296	66	113	1495
Rainey, George, Enid, assignor of one-half to A. N. Leffingwell, Cropper, Okla. Ter. Calculating and recording machine	776,617	Dec. 6	299	66, 67	113	1496
Rainey, William F. (See Fish and Rainey.)						
Rainforth, William, assignor to himself and E. Gearing, Leeds, England. Apparatus for making deeply-corrugated furnace-flues	770,108	Sept. 13	1824	885 886	112	428
Rains, Eleazer L., New York, N. Y. Metallic buttoning device	773,982	Nov. 1	895	188	113	205
Raitt, David, Jr., Larchmont Manor, N. Y. Car-seat	761,785	June 7	344	69	110	1516
Raitt, James. See Miller, Mousseau, and Raitt.)						
Rak, Alois, Cesky Brod, Austria-Hungary. Diffusion-battery	755,546	Mar. 22	4525	1007	109	1035
Rakowitzky, Srul D. S., Vilna, Russia, assignor, by mesne assignments, to American Tobacco Company, New York, N. Y. Machine for inserting cotton in cigarette-wrap-per tubes	768,238	Aug. 23	4304	906	111	2049
Ralph, Alston C., Somerville, Mass. Trolley-harp	773,893	Nov. 1	720	153	113	165
Ralston Car Company. (See Becker, Anton, assignor.)						
Ralston, Joseph S. (See Becker, Anton, assignor.)						
Ramage, Alexander G., Leith, and G. Macmillan, Corstorphine, Scotland. Spring-wheel for vehicles	753,432	Mar. 1	404	94	109	88
Ramage, Alexander S., Cleveland, Ohio. Pigment and producing it from ferrous liquors	758,687	May 3	157		110	38
Rameau, Claude L., Paris, France. Machine for grinding lenses	757,053	Apr. 12	1683	365	109	1716
Rameau, Claude L., Paris, France. Machine for grinding lenses	772,431	Oct. 18	2470	541	112	1531
Ramer, Henry M., Labott, Pa. Hay-rake	760,149	May 17	3149	658	110	742
Ramey, John G., Rome, Ga. Registering-lock	771,092	Sept. 27	3758	792	112	895
Ramme, Henry, Flushing, N. Y. Game apparatus	748,788	Jan. 5	429	98	108	96
Ramsay, Charles F., Brantford, Canada. Collapsible box	777,695	Dec. 20	2418	531	113	1990
Ramsay, George S., St. Marys, Pa. Coke-oven	773,809	Nov. 1	514	112	113	111
Ramsay, James, and T. E. Riddle, Erith, assignors to Vickers Sons & Maxim, Limited, Westminster, England. Feed device for cartridge-belt-filling machines	754,345	Mar. 8	2199	489	109	497
Ramsay, William B., Hickory, N. C. Electric signal for railways	757,346	Apr. 12	2267	495	109	1842
Ramsdell, James M. (See Davis, Orie C., assignor.)						
Ramsley, Charles. (See Lemieux, Louis, assignor.)						
Ramsey, James N. (See Forbes, John H., assignor.)						
Ramsey, Lewis F., Kansas City, Mo. Rope-tie	750,782	Jan. 26	4447	958	108	1085
Ramsey, Lewis F., Kansas City, Mo. Shoe lace or strap fastener	775,406	Nov. 22	3773	798	113	911
Ramus, Christian F. W., East Boston, Mass. Eye-brush	772,177	Oct. 11	1946	430	112	1389
Ranck, James M., Sr., Allegheny, Pa. Tack-puller	775,856	Nov. 22	4698	995	113	1109
Rand, Charles A. A., assignor to International Harvester Company, Chicago, Ill. Divider attachment for harvesters	766,901	Aug. 9	1599	336	111	1415
Rand Drill Company. (See Ambrose, Robert L., assignor.)						
Rand, Franklin M., Cambridge, Mass. Calendar	759,549	May 10	1968	402	110	466
Rand, Harry W. (See Youmans and Rand.)						
Rand, James H., North Tonawanda, N. Y. Account-book	748,789	Jan. 5	430	98	108	96
Rand, James H., North Tonawanda, N. Y. Temporary binder	764,765	July 12	1781	364	111	406
Rand, McNally & Co. (See Fritch, Edmund D., assignor.)						
Rand, McNally & Co. (See Hopkins, Louis M., assignor.)						
Randall, Arthur J., Manlius, and F. W. Harris, Fayetteville, N. Y. Hot-air furnace	771,026	Sept. 27	3631	764	112	867
Randall and Carey Vibral-Massage Machine Company. (See Adams-Randall, Charles, assignor.)						
Randall, Charles W., Lockport, N. Y. Sash-lock	756,799	Apr. 5	1165	258	109	1593
Randall, Clinton F., and W. C. Vanneman, assignors to Anderson Foundry & Machine Works, Anderson, Ind. Brick-machine	757,961	Apr. 19	2484	755	109	2123
Randall, Elmer B., Phenix, R. I. Wrench	762,941	June 21	2653	74	110	2053
Randall-Faichney Co. (See Witkowski, Charles, assignor.)						
Randall, Franklin C., Milwaukee, Wis. Gage-hand	764,631	July 12	1516	309	111	348
Randall, George M., et al. (See Wackerow, George L., assignor.)						
Randall, Harry A., South Haven, Mich. Convertible hammock and hammock-chair	777,919	Dec. 20	2905	639	113	2087
Randall, J. Charles. (See Larrowe, Lewis M., assignor.)						
Randall, John, Deadwood, S. D. Loading or unloading apparatus	766,521	Aug. 2	769	163	111	1209
Randall, John S., Jeffers, Minn. Draft attachment for binders	765,594	July 19	3379	711	111	766
Randall, Oscar S., Newark Valley, N. Y. Wrench	770,699	Sept. 20	2975	633	112	705
Randall, Philip G., Boston, Mass. Telephone-transmitter	749,448	Jan. 12	1861	387	108	437
Randall, Victor E., Battletree, Mich. Fence-post	753,913	Mar. 8	1397	315	109	322
Randall, Victor E., Burlington, Mich. Fence-post	757,963	Apr. 19	3486	735	109	2123
Randall, Victor E., assignor of one-half to G. A. Hoeltzel, Battletree, Mich. Railway-tie	777,920	Dec. 20	2906	639	113	2088
Randall, William H., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine	758,103	Apr. 26	3783	822	109	2306
Randolph, Arthur S., et al. (See Randolph, Peter F., assignor.)						
Randolph, Byrde A., Memphis, Tenn. Portable bath	765,440	July 19	3096	646	111	704
Randolph, Clabeorn P., Los Angeles, Cal. Hygienic amusement bath and swimming-school	767,124	Aug. 9	2040	424 425	111	1513
Randolph, John H., Baton Rouge, La. Horse-rake	754,499	Mar. 15	2601	565	109	604
Randolph, Leonard M., Newark, N. J. Compound applicable for insulating material or other purposes	749,224	Jan. 12	1383		108	338
Randolph, Leonard M., Newark, N. J. Insulator	761,102	May 31	5038	1074	110	1195
Randolph, Peter F., Lyndhurst, assignor to himself, A. S. Randolph and W. A. Butler, Verona, N. J. Fertilizer-dropper	777,431	Dec. 13	1891	417	113	1861
Randolph, Thomas P., Washington, D. C. File-binder	761,997	June 7	754	154	110	1603
Randolph, William J., Jr., Newton, Iowa. Coupling for threshing-machines, &c	752,300	Feb. 16	2855	694	108	1713
Ranger, Joseph G., Jr., Salem, Neb. Wheel	755,816	Mar. 22	4113	908	109	945
Rangnow, Otto, Philadelphia, Pa. Dowel-pin and lift for trunks	758,383	Apr. 26	4342	932	109	2329
Rangnow, Otto, Philadelphia, Pa. Dowel-pin and fastener for trunks	761,322	May 31	5485	1167	110	1286
Rankin, Alexander C., Chicago, Ill. Combined brace and suspensory	762,555	June 14	1871	402	110	1864
Rankin, Archibald P., Lakewood, Ohio. Hatch-fastener	776,737	Dec. 6	589	138	113	1556
Rankin, Austin H., and C. Abrams, Madison, Ill. Wrench	756,407	Apr. 5	438	90	109	1436
Rankin, C. A. (See Allen, James H., assignor.)						
Rankin, George L., Greenville, Pa. Hot-water heating system	756,282	Apr. 5	180	37	109	1382
Rankin, James M., Iowa Falls, Iowa. Machine for crushing ears of corn for feed	769,635	Sept. 6	945	204	112	215
Rankin, Thomas C. (See Welsh, George G., assignor.)						
Rankin, William K., et al. (See Kime, Warren W. S., assignor.)						
Rannels, Benjamin U. (See Greenwood, Ivan A., assignor.)						
Ranney, Darwin D., Payette, Idaho. Carbureter	760,247	May 17	3329	700	110	794

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Ransome, Ernest L., New York, N. Y. Mixing-machine	761,541	May 31	5872	1259	110	1374
Ransome, Ernest L., New York, N. Y. Mixing-machine	770,477	Sept. 20	2548	543	112	608
Ranson, John A., Carberry, Canada. Grain-drill shoe	762,942	June 21	2653	575	110	2053
Rantine, Daniel W., Brooklyn, N. Y. Propelling and steering mechanism	776,087	Dec. 6	442	98, 99	113	1535
Rantsch, Alfred C. (See Edwards and Rantsch.)						
Rantz, Frank A. (See Ballard, Rantz, and Collin.)						
Rantz, Frank A., and G. W. Collin, Bridgeport, Conn. Indicator for fluid-tanks	775,544	Nov. 22	4087	860	113	978
Ranz, William E., Youngstown, Ohio. Aseptic cartridge, &c.	774,779	Nov. 15	2427	523	113	578
Raoul, Jean M., Tunis, Africa. Submarine salvage vessel	767,835	Aug. 16	3418	721	111	1833
Rapid Cyanide Treatment. (See Webb, Charles H., assignor.)						
Rapid Envelope Sealing Company. (See Madas, Louis, assignor.)						
Rapid Heater Company. (See Hallas and McLaughlin, assignors.)						
Rapke, Victor H., New York, N. Y., assignor to Tea Tray Company, Newark, N. J. Horn-support	751,304	Feb. 2	781	178 179	108	1224
Rapley, Frederick H., New York, N. Y., assignor to Pressed Steel Car Company, Pittsburg, Pa. Passenger-car	756,707	Apr. 5	973	214 215	109	1552
Rapley, Frederick H., New York, N. Y., assignor to Pressed Steel Car Company, Pittsburg, Pa. Metallic street-car	778,706	Dec. 27	4423	968 969	113	2432
Rapp, Samuel N., Detroit, Mich., assignor of one-half to C. Glover, New Britain, Conn. Coaster-brake and hub for bicycles	769,918	Sept. 13	1484	817	112	352
Rapp, William M., Atlanta, Ga. Pipe-joint	758,278	Apr. 26	4132	892	109	2282
Rapson, Charles R., Badaxe, Mich. Hame-tug and trace connector	751,011	Feb. 2	424	101	108	1151
Raquet, George G., assignor of one-half to G. M. Potter, Cleveland, Ohio. Detonator	755,934	Mar. 29	5326	1175	109	1281
Rarig, Alexander K., Columbus, Ohio. Valve for blowing-engines	753,159	Feb. 23	4535	1011	108	2101
Rarig, Alexander K., Columbus, Ohio. Automatic air-discharge valve for blowing-engines	769,833	Sept. 13	1333	285	112	320
Rask, George P., assignor of one-third to M. J. Olsen, Des Moines, Iowa. Windmill	749,095	Jan. 5	1096	232	108	252
Rash, Howard C., assignor to Natural Body Brace Company, Salina, Kans. Combined body-brace and corset	755,547	Mar. 22	4528	1007 1008	109	1086
Rashkin, Joseph, New York, N. Y. Door for elevator-wells	756,524	Apr. 5	655	141	109	1480
Rasmussen, H. C. A. (See Christensen, Peter T., assignor.)						
Rasmussen, Halvor, et al. (See Stone, John V., assignor.)						
Rasmussen, Laurits, Thurston, Nebr., assignor of one-half to Novelty Manufacturing Company, Incorporated, Council Bluffs, Iowa. Corn-husking machine	765,595	July 19	3380	712	111	767
Rasmussen, Peter A., Chicago, Ill. Musical instrument	773,028	Oct. 25	3659	789	112	1806
Rasmussen, Halvor, et al. (See Anderson, Alfred, assignor.)						
Rasner, Abraham, assignor to Rasner & Dinger Company, Pittsburg, Pa. Window frame and sash	765,857	July 26	3932	839	111	895
Rasner & Dinger Company. (See Rasner, Abraham, assignor.)						
Rastetter, William C., Fort Wayne, Ind. Automatic unloader	768,302	Aug. 23	4427	930	111	2076
Ratcliff, Walter J., Lansford, Pa. Wrench	751,416	Feb. 2	1178	268	108	1307
Rate, Robert G., and M. Mattes, Iowa City, Iowa; said Mattes assignor to said Rate. Glove	754,160	Mar. 8	1859	414 415	109	427
Rateau, Auguste C. E., Paris, France. Vapor-generator	751,998	Feb. 9	2292	514	108	1598
Rateau, Auguste C. E., Paris, France. Pumping apparatus	765,984	July 26	4187	894	111	951
Rateau, Auguste C. E., Paris, France. Pumping apparatus	768,076	Aug. 23	3982	857	111	1979
Rateau, Auguste C. E., assignor to Société d'Exploitation, des Appareils Rateau, Paris, France. Steam-regenerative accumulator	761,006	May 31	5086	1286	110	1400
Rateau, Auguste C. E., assignor to Société d'Exploitation des Appareils Rateau, Paris, France. Steam-regenerative accumulator. (Reissue)	12,295	Dec. 27	4681	1024 488	113	2489
Rateau, Auguste C. E., and G. Sautter, Paris, France. Coupling	772,317	Oct. 11	2290	489	112	1487
Rath, Frank W., Paterson, N. J. Gas-burner	767,958	Aug. 16	3660	773	111	1555
Rathbone, Sard & Co. (See Van Buren, Jafew S., assignor.)						
Rathbun, Henry E., and W. H. Loneran, assignors, by mesne assignments, to Loxit Company, Providence, R. I. Sash-balance. (Reissue)	12,202	Mar. 8	3385	521	109	538
Rathbun, Henry E., and W. H. Loneran, assignors to Loxit Company, Providence, R. I. Rack-bar	767,364	Aug. 9	2490	521	111	1609
Rathenower Optische Industrie-Anstalt, vormals Emil Busch, A.-G. (See Martin, Karl, assignor.)						
Rathschüler, Josef, Ried, Austria-Hungary. Wearing-apparel	774,452	Nov. 8	1749	377	113	408
Ratignier, Marius, and M. Clerc-Renaud, Lyons, France. Machine for tentering and drying fabrics	761,254	July 5	695	140	111	154
Ratliff, John D., Muncie, Ind. Trolley-wire replacer	764,371	July 5	955	192	111	212
Ratzer, John. (See Agobian, George, assignor.)						
Ratzer, John, New York, N. Y. Feed-bag for horses	754,696	Mar. 15	2980	649	109	634
Rau, Alexander W., Brooklyn, N. Y. Paper-cutter	773,810	Nov. 1	517	113	113	120
Rau, John. (See Ney and Rau.)						
Rauch, Joseph L. (See Thacker, Anson A., assignor.)						
Rauh, Julius S., et al. (See Kaufman, Paul E., assignor.)						
Raun, William J., Syracuse, N. Y. Apparatus for lubricating cars	763,693	June 28	4110	895	110	2391
Rausch, Bernhard, Newark, N. J. Stove-polishing brush	754,237	Mar. 8	2017	448	109	460
Rausch, Wilhelm, New York, N. Y. Clock	753,212	Feb. 23	4643	1083 1084	108	2125
Rauschenbach, Theodore, Evansville, Ind. Safe-deposit vault	763,110	June 21	2957	637 638	110	2120
Rauschenberg, Sidney, Mount Vernon, N. Y., assignor to Chemical Works of America, Incorporated. Formaldehyde apparatus	762,845	June 14	2458	532	110	1990
Rauscher, Edward P., Columbus, Ohio. Mining-machine	752,180	Feb. 16	2606	579	108	1655
Rausenberger, Fritz, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Carriage for disappearing guns	769,636	Sept. 6	947	205	112	215
Rautenberg, Bernard, Toronto, Canada. Head, face, and neck muffler	768,626	Aug. 30	5120	1076 1077	111	2251
Ravelli, Jacques H., Lyons, France. Wind-motor	763,795	June 28	4313	987 988	110	2435
Rawdon, Lucien, Windsor, Ohio. Fruit-jar wrench	761,180	May 31	5198	1105	110	1225
Rawl, Harry M., New Brighton, and D. L. Reehl, West Bridgewater, assignors to Pierce-Crouch Engine Company, New Brighton, Pa. Starting attachment for explosive-engines	766,116	July 26	4433	950	111	1004
Rawles, Sherman, East Galesburg, Ill. Brick-kiln	765,098	July 12	2431	506	111	544
Rawlings, Richard H., Richmond, Ohio. Bridle attachment	756,688	May 3	158	34	110	39
Rawlings, Samuel J., Kearney, N. J. Automatic door-check	759,013	May 3	851	172	110	197
Rawlinson, Clair J., London, England. Phonograph, graphophone, &c.	777,306	Dec. 13	1645	365	113	184
Raworth, John S., London, England. Speed control of electrically-propelled vehicles	774,494	Nov. 8	1836	398 399	113	111

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Rawson, Edward, Moscow, Idaho. Planer	757,963	Apr. 19	3487	1756	109	2124
Rawson, Edward, Moscow, Idaho. Woodworking-machine	773,676	Nov. 1	274	757	113	65
Rawson & Morrison Manufacturing Co. (See Wern, Gustaf P., assignor.)						
Rawson & Morrison Manufacturing Company. (See Norris, Almon E., assignor.)						
Rawson, Romulus, and E. Lodge, Huddersfield, England. Apparatus for dyeing cops, &c.	772,581	Oct. 18	2771	1610	112	1596
Rawson, William S., London, England. High-pressure filter	768,951	Aug. 30	5781	1215	111	2309
Ray, Eugene J., Winchester, Mass. Photographic apparatus	756,708	Apr. 5	976	215	109	1552
Ray, Frederick, East Orange, N. J., assignor to Henry R. Worthington, New York, N. Y.	765,935	July 26	4072	870	111	927
Ray, Frederick, East Orange, N. J., assignor to Henry R. Worthington, New York, N. Y.	765,935	July 26	4072	870	111	927
Ray, Frederick, East Orange, N. J., assignor to Henry R. Worthington, New York, N. Y.	772,532	Oct. 18	2671	587	112	973
Ray, Frederick, East Orange, N. J., assignor to Henry R. Worthington, New York, N. Y.	777,138	Dec. 13	1346	298	113	1742
Ray, John R., and W. E. Sankey, Salem, Mo. Time stock-feeder	760,482	May 24	3763	797	110	898
Ray, Joseph, Maroa, Ill. Wheelbarrow	772,253	Oct. 11	2110	402	112	1429
Ray, Joshua R. (See Ray, Thomas and J. R.)						
Ray, Thomas and J. K., Manistee, Mich. Steam-valve	761,607	May 31	5988	1286	110	1401
Ray, Thomas H., Somerville, Mass. Separator	753,313	Mar. 1	179	40	109	42
Ray, Thomas H., Fort Worth, Tex. Mouse-trap	754,881	Mar. 15	3347	731	109	765
Raygor, John G., and C. Slife, Dedham, Iowa. Signal for grain-bins	767,713	Aug. 16	3177	1665	111	1782
Rayment, William A., assignor to Reed & Barton Corporation, Taunton, Mass. Knife	763,111	June 21	2959	638	110	2120
Raymer, Albert R., Beaver, Pa. Cleaning and restoring boilers to service condition	757,839	Apr. 19	3257	706	109	2072
Raymond, Albert, deceased, Chicago, Ill.; M. M. Bartelme, administratrix. Pulverizer	775,068	Nov. 15	3019	1641	113	714
Raymond, Albert, deceased, Chicago, Ill.; M. M. Bartelme, administratrix. Centrifugal pulverizing-mill	775,069	Nov. 15	3021	641	113	714
Raymond, Alfred A., Chicago, Ill., assignor to Raymond Concrete Pile Company, Trenton, N. J. Pile-core for concrete-pile forming	777,351	Dec. 13	1745	387	113	1829
Raymond Concrete Pile Company. (See Raymond, Alfred A., assignor.)						
Raymond, Edgar L. (See Blevins, Benton, and Raymond.)						
Raymond, Harry K., assignor to B. F. Goodrich Company, Akron, Ohio. Vulcanizer for repairing tires	751,556	Feb. 9	1427	324	108	1381
Raymond, Herbert, Chicago, Ill. Flue-valve	751,341	Feb. 2	1053	240	108	1282
Raymond, James R., Bayonne, N. J. Boat-detaching apparatus	751,235	Feb. 2	785	179	108	1224
Raymond, John C., New York, N. Y. Joint-band	769,405	Sept. 6	525	115	112	1119
Raymond, John C., New York, N. Y. Combined steam-generator and grate	773,420	Oct. 25	4623	976	112	2024
Raymond, John D., Chicago, Ill. Switch for incandescent-lamp sockets	759,632	May 10	2126	437	110	498
Raymond, Joseph O., Concord, N. H. Elevated railway	764,766	July 12	1783	365	111	406
Raymond, Oscar L., Ballentine, Mich. Log-loader	768,402	Aug. 23	4653	974	111	2133
Raynaud, Emile, Spy, and L. Pierron, Jette St. Pierre, Belgium. Making sulfuric anhydride	751,941	Feb. 9	2166	489	108	1540
Rea, Edmund K., Ovid, Mo. Nose-ring for animals	750,123	Jan. 19	3166	680	108	736
Rea, Edmund K., Ovid, Mo. Corn-harvester, &c.	765,399	July 19	2906	627	111	684
Rea, Edmund K., Ovid, Mo. Corn-harvester, &c.	765,400	July 19	2908	627	111	685
Reach, Emile, assignor to O. Schmidt, Jersey City, N. J. Combination bridge and tail-piece	754,938	Mar. 15	3428	730	109	782
Reach, Robert, Philadelphia, Pa., assignor to Spalding Manufacturing Company, Chicago, Mass. Weight for chest-machines	772,906	Oct. 18	3405	739	112	1735
Read, Burton C. (See Moore, Clifford S., assignor.)						
Read, Charles. (See Knuth and Read.)						
Read, Frank B., deceased, New York, N. Y.; S. C. L. Read, executrix. Fruit-protector	771,267	Oct. 4	93	21	112	962
Read, George F., assignor to R. Hoe, New York, N. Y. Tripping mechanism for printing-machines	758,689	May 3	159	34	110	39
Read, George F., assignor to R. Hoe, New York, N. Y. Printing-machine	758,690	May 3	163	35	110	40
Read, George F., Brooklyn, assignor to R. Hoe, New York, N. Y. Plate-printing press	761,909	June 7	599	120	110	1572
Read, George F., assignor to R. Hoe and C. W. Carpenter, New York, N. Y. Printing-machine	753,914	Mar. 8	1398	316	109	322
Read, George F., assignor to R. Hoe and C. W. Carpenter, New York, N. Y. Delivery mechanism for printing-presses. (Reissue)	12,222	May 24	4954	1050	110	1153
Read, Jerome O. (See Cronin, John P., assignor.)						
Read, Perlín M., Philadelphia, Pa. Bracket	755,581	Mar. 22	4586	1020	109	1049
Read, Robert H., Schenectady, N. Y., assignor to General Electric Company. Fuse-box	751,012	Feb. 2	425	101	108	1151
Read, Robert H., Schenectady, N. Y., assignor to General Electric Company. Signal device for search-light projectors	751,013	Feb. 2	427	101	108	1151
Read, Robert H., Schenectady, N. Y., assignor to General Electric Company. Thermal cut-out	764,372	July 5	956	193	111	213
Read, Sarah C. L., executrix. (See Read, Frank B.)						
Read, Walter G., Davisville, Cal. Folding extension-trestle	764,865	July 12	1987	410	111	451
Read, Walter G., Davisville, Cal. Folding extension-trestle	764,866	July 12	1988	410	111	452
Read, Walter G., Davisville, Cal. Portable derrick	777,307	Dec. 13	1646	366	113	1807
Read, William, and E. Hedin, Warwick, assignors to Crompton Company, Providence, R. I. Machine for cutting pile fabrics	776,548	Dec. 6	156	35	113	1460
Read, William A., Liverpool, England. Apparatus for the manufacture of metal canisters	755,242	Mar. 22	3974	881	109	917
Reade, Robert H. S., J. G. Crawford, and A. McKibbin, Belfast, Ireland. Hackling-machine for flax or other long-staple fibers	775,352	Nov. 22	3657	776	113	884
Reagan, Dominick A., assignor of one-third to F. Hesser, Altoona, Pa. Means for feeding air into steam-boiler furnaces	777,139	Dec. 13	1347	298	113	1742
Reagan, James and W., Philadelphia, Pa. Mechanical stoker	767,082	Aug. 9	1960	409	111	1496
Reagan, James and W., Philadelphia, Pa. Fuel-feeding device for boiler-furnaces	767,083	Aug. 9	1962	409	111	1496
Reagan, James and W., Philadelphia, Pa. Fuel-feeding device for boiler-furnaces	767,084	Aug. 9	1965	410	111	1497
Reagan, William. (See Reagan, James and W.)						
Reamer, Clement L., Newark, Ohio. Type-writer	773,894	Nov. 1	721	153	113	166
Reams, Calvin U., Suisun, Cal. Wrench	762,556	June 14	1872	402	110	1864
Reams, Calvin U. and J. L., Suisun City, Cal. Farm-gate	758,691	May 3	169	36	110	41
Reams, Henry A. (See Dick, Robert C., assignor.)						
Reams, James L. (See Reams, Calvin U. and J. L.)						
Reams, Joseph M., Seattle, Wash. Wrench	754,012	Mar. 8	1587	354	109	366

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Reams, Joseph M., Granplan, Pa. Chain wrench.	768,146	Aug. 23	4125	868	111	2011
Reams, Radford M., McMinnville, Tenn. Bread-toaster.	758,472	Apr. 26	4511	969	109	2367
Reaney, James, Jr., Sherwood, Md. Machine for hydrating lime.	773,029	Oct. 25	3661	1289	112	1807
R-aney, James, Jr., Sherwood, Md. Converting quicklime into powdered hydrated lime.	773,030	Oct. 25	3665	790	112	1808
R-ap, Koert D. H. (See Ogden, Dore, assignor.)						
Reardon, Robert, Savannah, Ga. Car-coupling.	774,533	Nov. 8	1910	415	113	442
Reardon, Robert E., Ottawa, Canada. Vending-machine.	772,593	Oct. 19	2672	587	112	1573
Rearick, Charles B., St. Louis, Mo. Steam-boiler.	754,697	Mar. 15	2982	649	109	684
Reardon, Henry A. (See Ames and Reardon.)						
Reaugh, Frank, Oak Cliff, Tex. Cooling mechanism for explosive-engines.	772,177	Oct. 11	1947	430	112	1389
Rebetey, Augustus, assignor of one-half to A. Ebbecke, Newark, N. J. Combined carpet-stretcher and tack-holding tool.	767,012	Aug. 9	1806	379	111	1461
Rebhan, Albert F., assignor of one-half to D. O'Connell, Syracuse, N. Y. Combined letter-opener, pencil-sharpener, and eraser.	776,938	Dec. 6	960	205	113	1639
Rebischung, Emil, New York, N. Y. Mechanical alarm for safes.	777,540	Dec. 13	2101	462	113	1905
Rech, Henry. (See Herbine and Rech.)						
Rechenberg, Otto, New Britain, Conn. Square.	771,392	Oct. 4	336	75	112	1031
Recht, Frederick, Brooklyn, assignor to Rex-Cap & Cork Company, New York, N. Y. Producing bottle-closures.	750,124	Jan. 19	3167	1680	108	737
Recht, Frederick, assignor to Rex Cap & Cork Company, New York, N. Y. Bottle-closure. Reciprocating Rotary Engine Company. (See Nielsen, Herman, assignor.)	750,220	Jan. 19	3336	721	108	772
Reck, Anders B., Copenhagen, Denmark. Hot-water heating apparatus.	776,939	Dec. 6	961	1205	113	1639
Reck, Anders B., Hellerup, Denmark. Hot-water heating apparatus.	777,308	Dec. 13	1649	366	113	1808
Reckfus, Charles H., Port Deposit, Md. Horseshoe ice-creper.	753,160	Feb. 23	4538	1011	108	2102
Recklinghausen, Max von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Electric lamp and apparatus connected therewith.	750,890	Feb. 2	211	48	108	1104
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Gas or vapor electric apparatus.	750,891	Feb. 2	214	48	108	1105
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Gas or vapor electric apparatus.	750,892	Feb. 2	215	48	108	1105
Recklinghausen, Max von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Electric switch.	759,915	May 17	2674	562	110	636
Recklinghausen, Max von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company. Quick-break oil-switch.	759,916	May 17	2672	562	110	636
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Automatic oil-switch.	760,400	May 17	3599	1758	110	843
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Gas or vapor electric apparatus.	760,483	May 24	3764	797	110	808
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Leading-in device for vapor-conductors.	760,756	May 24	4338	921	110	1022
Recklinghausen, Max von, New York, N. Y., assignor to Cooper Hewitt Electric Company. Vapor electric apparatus.	770,109	Sept. 13	1828	386	112	429
Recknagel, Christian F., New Britain, Conn. Ice-creper.	774,500	Mar. 15	2603	566	109	604
Reckweg, John C., Los Angeles, Cal. Clamp for gluing.	772,254	Oct. 11	2111	462	112	1439
Reckweg, John C., Los Angeles, Cal. Game apparatus.	774,107	Nov. 1	1137	243	113	258
Reclus, Victor. (See Pettitdidier and Schmitt, assignors.)						
Record, George J., Conneaut, Ohio. Door screen.	768,693	Aug. 30	5271	1108	111	2282
Recording and Computing Machines Company. (See Ohmer, Wilfred L., assignor.)						
Recording and Computing Machines Company. (See Ohmer, Kelly, and Leitschuh, assignors.)						
Recording and Computing Machines Company. (See Ohmer, Leitschuh, and Kelly, assignors.)						
Rector, James M., and W. H. Rosbury, Monarch, Mont. Knotter-gearing.	770,110	Sept. 13	1830	387	112	429
Red Jacket Manufacturing Company. (See Stebbins, Timothy, assignor.)						
Redd, D. P., et al. (See Farmer, Julius M., assignor.)						
Reddick, Jessa, Bloomington, Ill. Bottle-stopper.	770,654	Sept. 20	2888	614	112	685
Reddick, Joseph G., Portland, Oreg. Non-refillable stopper for bottles.	754,608	Mar. 15	2794	609	109	644
Reddick, Joseph G., Portland, Oreg., assignor of one-half to A. H. Harrison, Seattle, Wash. Non-refillable stopper for bottles.	754,607	Mar. 15	2798	609	109	644
Redding, Michael J., Baltimore, Md. Display-rack.	750,063	Jan. 19	3060	637	108	714
Reddish, Gus, Denver, Colo. Hitching-weight.	762,439	June 14	1605	350	110	1806
Reddohl, Heinrich, Hanover, Germany. Balance-escapement.	765,678	July 26	3568	756	111	822
Redecker, Charles. (See Demsky and Redecker.)						
Redepennin, Bernard, Chicago, Ill. Watch.	763,508	June 28	3756	811	110	2316
Redfern, John W., Owen Sound, Canada. Ventilating-wall construction.	761,711	June 7	183	34	110	1479
Redfield, Edward E., Glendale, Oreg. Firearm.	772,746	Oct. 18	3104	1676	112	1666
Redfield, John H. (See Wilson, Clarence R., assignor.)						
Redheffer, Agnes H., St. Louis, Mo. Cord attachment for window-shades.	777,140	Dec. 13	1349	298	113	1742
Redick, Stanton. (See Loftus, John, assignor.)						
Redin, Andrew W., Kenosha, Wis. Knitted fabric.	752,962	Feb. 23	3946	885	108	1903
Redinger, Charles A., Walnut, Ind. Rail-tie.	761,323	May 31	5496	1167	110	1296
Redington, William H., Chicago, Ill. Paper-cip.	776,549	Dec. 6	159	37	113	1161
Redlich, Carl, Vienna, Austria-Hungary. Concrete-and-iron structure.	770,983	Sept. 27	3537	745	112	849
Redman, Thomas. (See Everitt and Redman.)						
Redman, Thomas, Bradford, England. Valve for controlling the flow of gas through purifiers &c.	778,332	Dec. 27	3707	809	113	2275
Redmon, Hope, R. L. Hall, and R. H. Conway, Cynthiaana, Ky. Telephone system.	749,225	Jan. 12	1385	296	108	338
Redmon, Hope, R. L. Hall, and R. H. Conway, Cynthiaana, Ky. Means for synchronizing the instruments of telephone systems.	752,710	Feb. 23	3664	816	108	1907
Redmond, William J., Cleveland, Ohio. Storage battery.	758,692	May 3	171	36	110	41
Redner, John J., New York, N. Y. Metallic packing.	759,556	Sept. 6	832	177	112	188
Reece Buttonhole Machine Company. (See Dahl, Charles A., assignor.)						
Reece, Earl J., Washington, D. C. Universal joint.	757,769	Apr. 19	3136	681	109	2046
Reece, Walter R., assignor, by mesne assignments, to C. W. Coffman, Pittsburg, Pa. Apparatus for charging blast-furnaces.	770,111	Sept. 13	1832	387	112	430
Reece, William H., St. Louis, Mo. Car-fender.	757,041	July 12	2315	481	111	521
Reed, A. lam, St. Joseph, Mo. Electric-sole shoe.	757,495	Apr. 19	2567	563	109	1919
Reed & Barton Corporation. (See Brabrook, George, assignor.)						
Reed & Barton Corporation. (See Rayment, William A., assignor.)						
Reed, Carl W. (See Seelye, William T., assignor.)						
Reed, Charles E., Sunnyside, Wash., assignor of one-half to G. W. Holloway, Brawley, Cal. Land-scraper.	751,106	Feb. 2	593	137	108	1187

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Reed, Charles J., Philadelphia, Pa. Speed-changing mechanism	758,561	Apr. 26	4687	1011	109	2406
Reed, Charles J., Philadelphia, Pa. Secondary-battery electrode	759,550	May 10	1960	402	110	466
Reed, Charles J., Philadelphia, Pa., assignor to Reed-Morrill Electric Co. Speed-changing mechanism	758,474	Apr. 26	4513	970	109	2368
Reed, Charles J., Philadelphia, Pa., assignor to Reed-Morrill Electric Co. Speed-changing mechanism	776,940	Dec. 6	964	207	113	1640
Reed, Edgar C., Loudonville, Ohio. Dental suction-plate	769,667	Sept. 6	998	216	112	227
Reed, Edward N., Binghamton, N. Y. Tack-plate feeder	766,770	Aug. 2	1299	275 276	111	1330
Reed, Eli S., Hill City, assignor to Reed's Folding Machine Company, Chattanooga, Tenn. Mailing-machine	769,894	Sept. 13	1385	286 287	112	321
Reed, Ernest C., Raamsdonk, Netherlands. Needle-lubricator	758,473	Apr. 26	4512	969	109	2368
Reed, Ernest D., assignor to R. S. Copeland, trustee, Ann Arbor, Mich. Artificial stone	773,421	Oct. 25	4624	1005	112	2025
Reed, Evan L., Parsons, Kans. Biscuit-display-can holder	778,800	Dec. 27	4606	1005	113	2472
Reed, Frank, Scrubgrass, Pa. Nut-lock	767,661	Aug. 16	3267	645	111	1762
Reed, Frank E., Wilmington, Mass. Automatic regulator for power-pumps	777,541	Dec. 13	2107	463	113	1907
Reed, Franklin M. (See Chipman and Reed.)						
Reed, Fred A., et al. (See Miller, Herbert A., assignor.)						
Reed, Frederick H., Claremont, Cal. Dam	776,799	Dec. 6	674	148 149	113	1575
Reed, George T., assignor of one-half to H. Slingluff, Baltimore, Md. Jar-closure	756,283	Apr. 5	181	37	109	1383
Reed, George T., assignor of one-half to H. Slingluff, Baltimore, Md. Bottle or jar closure	769,960	Sept. 13	1566	334	112	370
Reed, Harvey, assignor of one-third to W. M. Stone, Minneapolis, Minn. Call or alarm device for hotels or other buildings	756,408	Apr. 5	440	91	109	1436
Reed, Hiram E., Erie, Pa. Vise	752,360	Feb. 16	2778	616	108	1696
Reed, James A. (See Wallace and Reed.)						
Reed, James S., Pittsburg, Pa. Swaging apparatus	755,698	Mar. 29	4837	1075 1076	109	1122
Reed, Jesse R., Baird, Tex. Damper-regulator for stoves	763,928	June 28	4569	999	110	2489
Reed, Jesse W., Detroit, Mich. Curtain-stretcher	749,702	Jan. 12	3940	444	108	542
Reed, John A., Gulfport, Miss. Steam-power crosscut-saw	763,112	June 21	2960	638 639	110	2120
Reed, John C., Allegheny, assignor to Standard Sanitary Manufacturing Company, Pittsburg, Pa. Basin-waste	761,712	June 7	185	35	110	1479
Reed, John E., Bessemer, Mich. Snow-bicycle	755,170	Mar. 22	3842	849	109	881
Reed, John J., Labelle, Mo. Syrup	763,359	Feb. 16	2967	644	108	1738
Reed, Joseph J., assignor to Haggard & Marcusson Company, Chicago, Ill. Spring bed-bottom	764,373	July 5	959	193	111	213
Reed, Meriman H. (See Heilig and Reed.)						
Reed-Morrill Electric Co. (See Reed, Charles J., assignor.)						
Reed, Paul K. (See Ault and Reed.)						
Reed, Ralph L., Springfield, Ill. Card game	755,243	Mar. 22	3976	882	109	918
Reed, Stephen, assignor of one-half to O. Huffman, Canton, Ill. Mattress-guard for beds	778,607	Dec. 27	4257	928	113	2393
Reed, Thomas P., Enid, Okla. Ter. Fruit-crate	759,638	May 10	2127	437	110	499
Reed, Walter L. (See Carpenter, Mason P., assignor.)						
Reed, Walter F., Camden, S. C. Clutch mechanism for mowing-machines	755,935	Mar. 29	5398	1175	109	1232
Reed, Walter F., Camden, S. C. Adjustable hay-rake	768,147	Aug. 23	4127	868	111	2011
Reed, William A., Chelsea, Mass. Wax-applying roll or brush	757,496	Apr. 19	2569	564	109	1920
Reed, William H., St. Louis, Mo. Adjustable stay for doors	761,400	May 31	5633	1199	110	1321
Reed, William H., Pittsburg, Pa. Laundry-marker	768,323	June 21	3366	731	110	2211
Reed, William H., Pittsburg, Pa. Penholder	775,734	Nov. 22	4466	945	113	1051
Reed, William S., Leominster, assignor to J. A. Tirrell, trustee, Boston, Mass. Amusement apparatus	754,698	Mar. 15	2988	650	109	685
Reeder, Huston T., Missoula, Mont. Draft-tree	778,072	Dec. 20	3196	703	113	2147
Reeder, Isaac. (See Schofield and Reeder.)						
Reed's Folding Machine Company. (See Reed, Eli S., assignor.)						
Reefe, Dantes R., Plainfield, N. J. Lock	777,141	Dec. 13	1850	298	113	1742
Reehan, Richard, et al. (See Piper, Herbert H., assignor.)						
Reehl, Dempsey L. (See Rawi and Reehl.)						
Reek, John, Camden, assignor to Alamo Manufacturing Company, Hillsdale, Mich. Gas-engine ignition-dynamo	778,146	Dec. 20	3338	732	113	2178
Reel, Gilbert, Tomah, and H. B. Audley, Shennington, Wis. Wrench	772,653	Oct. 18	2962	628	112	1614
Reel, John, French Camp, assignor of one-half to T. E. Barron, Sturgis, and J. W. Barron, Aberdeen, Miss. Plow	751,683	Feb. 9	1657	376	108	1429
Reep, Louis A., Hardy, Iowa. Draft-equalizer	756,525	Apr. 5	656	141	109	1480
Rees, John. (See Barr and Rees.)						
Rees, William H., Worcester, Mass. Automatic playing attachment for musical instruments	751,755	Feb. 9	1795	409	108	1457
Rees, William H., Boston, Mass. Automatic musical instrument	751,808	Feb. 9	1903	431 432	108	1482
Reese, Benjamin C., and G. W. Broome, Pavo, Ga. Plow	755,548	Mar. 22	4329	1008	109	1086
Reese, Daniel S., Mahanoy City, Pa. Puzzle	751,754	Feb. 9	1794	409	108	1457
Reese, George, assignor of one-half to J. Regenstein, Chicago, Ill. Paper for making envelopes	766,902	Aug. 9	1600	336	111	1415
Reese, Henry O., Baltimore, Md. Writing-pen	759,551	May 10	1970	402	110	466
Reese, Henry O., Baltimore, Md. Sheet-metal can	762,557	June 14	1874	402	110	1865
Reese, Madison B., Presley, La., assignor of one-half to H. B. Murphy, Napoleon, Miss. Adjustable buggy-top brace	773,293	Oct. 11	2180	476	112	1446
Reese, William M., Napoleon, Miss. Music-chart	765,937	July 26	4074	870	111	927
Reeser, J. W. (See Cadie, Wilbert W., assignor.)						
Reese, Charles I., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Device for fastening furniture-trimmings	769,184	Sept. 6	89	22	112	21
Reeve, Frank L., assignor of one-half to J. A. Schlehr and J. Hurley, Frazee, Minn. Grain-separator	751,417	Feb. 2	1179	268	108	1308
Reeve, Sidney A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Super-heating system	753,483	Mar. 1	404	95	109	88
Reeve, Sidney A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Super-heating steam	753,738	Mar. 1	1001	228	109	216
Reeve, Sidney A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Compressor-valve	755,317	Mar. 22	4114	909	109	946
Reeve, Sidney A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Combined engine and compressor	757,410	Apr. 12	2396	521	109	1868
Reeve, Sidney A., Worcester, assignor to C. F. Brown, trustee, Reading, Mass. Valve-gear	757,411	Apr. 12	2398	521 522	109	1868

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Reeverts, Fred G., Byron, Ill. Pump-rod attachment.....	768,885	Aug. 30	5652	1189	111	2369
Reeves, Clifton, Trenton, N. J. Shiftable shaft-bearing.....	751,557	Feb. 9	1430	324	108	1382
Reeves & Company. (See Clay, Harry C., assignor.)						
Reeves, Edwin A., New Haven, Conn., assignor, by mesne assignments, to E. Weibel, Paterson, N. J., and J. J. Weibel, Brooklyn, N. Y. Overflow-alarm.....	753,518	Mar. 1	573	131	109	125
Reeves, James A., Alliance, Ohio. Feeding apparatus for punching-machines.....	759,308	May 10	1495	300	110	361
Reeves, Madison W., assignor of one-half to J. R. Kasper, Sayre, Pa. Display-stand.....	775,191	Nov. 15	3277	700	113	773
Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Link belt.....	754,238	Mar. 8	2018	449	109	460
Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Disk for speed-varying mechanisms.....	761,910	June 7	600	120	110	1573
Reeves Pulley Company. (See Reeves, Milton O., assignor.)						
Reeves, S. V. (See Herron, Lawrence E., assignor.)						
Regan, John. (See Jarry and Regan.)						
Regas Automobile Company. (See Sager and Green, assignors.)						
Regdon, Louis, and F. Makroczy, Homestead, Pa. Rail-joint.....	772,825	Oct. 18	3238	705	112	1694
Regensburger, Frank J. (See Nylander, Carl G., assignor.)						
Regenstein, Julius. (See Reese, George, assignor.)						
Regina Music Box Company. (See Brachhausen, Gustav A., assignor.)						
Rehfuss, John G. and M. O., Philadelphia, Pa. Apparatus for soldering cans.....	754,939	Mar. 15	3429	750	109	783
Rehfuss, John G. and M. O., Philadelphia, Pa. Can-making machine.....	754,940	Mar. 15	3438	751 752 753 754 755 179	109	784
Rehfuss, John G. and M. O., Philadelphia, Pa. assignors to Bureau Can and Manuf- turing Company of Delaware. Apparatus for transferring tops and bottoms of cans.,	751,206	Feb. 2	786	180	108	1225
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company. Can-soldering machine.....	754,699	Mar. 15	2985	650 651	109	685
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company. Machine for putting tops and bottoms on cans.....	754,700	Mar. 15	2990	651 652 653	109	687
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company of Delaware. Can-making machine.....	754,701	Mar. 15	2994	654 655	109	688
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company of Delaware. Apparatus for fluxing cans.....	754,702	Mar. 15	2998	654 655	109	689
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company of Delaware. Apparatus for heating cans preparatory to their being fluxed and soldered.....	754,703	Mar. 15	3002	655	109	690
Rehfuss, John G. and M. O., Philadelphia, Pa., assignors to Bureau Can and Manuf- turing Company of Delaware. Pneumatic means for removing can tops and bottoms from forming-dies.....	754,704	Mar. 15	3004	656	109	691
Rehfsuss, Martin O. (See Rehfuss, John G. and M. O.)						
Rehmann, Gustave, Newark, N. J. Instrument or other case.....	778,268	Dec. 27	3586	785	113	2249
Rehmenklau, Rudolph W. O., assignor of one-half to J. F. Williamson, Minneapolis, Minn. Antifriction-bearing for water-wheels.....	754,388	Mar. 8	2935	510	109	527
Rehnström, John L., McKeesport, Pa. Hose-coupling.....	762,350	June 14	1432	307	110	1767
Rehr, Lambert A., et al. (See Fink, Andrew J., Jr., assignor.)						
Reibel, John B., Scranton, Pa. Railway-switch.....	759,747	May 10	2339	488	110	545
Reich, John. (See Linder and Reich.)						
Reich, Louis, Remda, Germany. Subcutaneous syringe.....	760,248	May 17	3330	700	110	784
Reichard & Scheuber Manufacturing Company. (See Scheuber, August W., assignor.)						
Reichardt, Henry C., Pottsville, Pa. Fish-catcher.....	748,884	Jan. 5	625	140	108	140
Reichel, Emil B. W., Steglitz, Germany, assignor to Siemens & Halske Electric Company of America, Chicago, Ill. Running-gear for motor-vehicles.....	778,935	Nov. 1	725	154	113	166
Reichenau, Ernst von, Düsseldorf-Oberkassel, Germany. Ammunition-shell.....	754,013	Mar. 8	1589	354	109	366
Reichenbach, Fritz, Charlottenburg, Germany. Fly-wheel for quick-running internal- combustion engines.....	757,636	Apr. 19	2873	626	109	1989
Reichenbach, Fritz, Charlottenburg, Germany. Regulating device for motors or en- gines.....	771,497	Oct. 4	544	123	112	1073
Reichenbach, Fritz, Charlottenburg, Germany. Igniting device for internal-combustion engines.....	778,707	Dec. 27	4425	969	113	2432
Reichenbach, William F., Rochester, N. Y. Trolley guard and finder.....	763,509	June 28	3758	811	110	2316
Reichenbacher, Paul. (See Sternfels and Reichenbacher.)						
Reichenberger, Benedict F., Township Four, Brown county, Kans. Wire-reeling ap- paratus.....	766,522	Aug. 2	770	163	111	1209
Reichert, Frederick J., Hornsey, England. Preparing extract of coffee.....	758,384	Apr. 26	4343	932	109	2829
Reichert, John. (See Elliott and Reichert.)						
Reichhelm and Company, E. P. (See Leibman, Charles A., assignor.)						
Reichhelm, Edward P., Bayonne, assignor to American Gas Furnace Company, Eliza- beth, N. J. Annealing and tempering forms of metal.....	762,654	June 14	2050	444	110	1903
Reichle, Ernst L., Sarnaw, Mich. Show-case.....	772,961	Oct. 25	3530	763	112	1777
Reichle, Ferdinand, Jr., Detroit, Mich. Wheel-fender.....	757,242	Aug. 9	2274	475	111	1563
Reichle, William, Springfield, Ill. Carpet-stretcher.....	758,562	Apr. 26	4692	1012	109	2408
Reichmann, Joseph, Chicago, Ill. Fluid-pressure brake apparatus. (Reissue).....	12,307	Mar. 22	4629	1028 1029	109	1059
Reichwein, Samuel, Reading, Pa. Hinge for pipe-flakes.....	773,224	Oct. 25	4217	892	112	1937
Reid, Alan L., and L. Wilson, Chicago, Ill., assignors, by mesne assignments, to said Wil- son. Toy gun.....	769,919	Sept. 13	1486	318	112	353
Reid, Alban H., Philadelphia, Pa. Pasteurizing apparatus.....	766,523	Aug. 2	774	164	111	1209
Reid, James, Jr., Worcester, Mass. Molding-machine.....	770,243	Sept. 13	2065	438	112	485
Reid, James F. (See Drew, William T., assignor.)						
Reid, James H., Newark, N. J. Gas-battery.....	757,637	Apr. 19	2874	626	109	1989
Reid, James R., Vancouver, Wash. Sawing-machine.....	775,247	Nov. 15	3437	726	113	816
Reid, James R., Vancouver, Wash. Fruit-gatherer.....	775,248	Nov. 15	3439	727 728	113	816
Reid, Morris. (See Bone and Reid.)						
Reid, Murdoch & Co. (See Brown, Silas M., assignor.)						
Reid, Philip S. (See De Zeng and Reid.)						
Reid, R. A., et al. (See Scheliga, Raimund, assignor.)						
Reid, Robert H., assignor to Lake Shore and Michigan Southern Railway Company, Cleveland, Ohio. Rail-lock.....	772,671	Oct. 18	2933	644	112	1623
Reid, Robert S., Timaru, New Zealand. Sash-fastener.....	751,809	Feb. 9	1906	432	108	1483
Reid, T. W., et al. (See Scheliga, Raimund, assignor.)						
Reid, William, Geneva, N. Y. Cooking stove or range.....	773,061	Oct. 25	3666	790	112	1808
Reid, William A., and E. J. Hanley, assignors to N. O. Nelson Manufacturing Company, St. Louis, Mo. Septic sewer system.....	775,506	Dec. 27	4065	886 887	113	2352

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Reid, William E., and W. H. Lau, Detroit, Mich. Hose-lining.	756,140	Mar. 29	5701	1258	109	1312
Rejerson, Charles L. (See Buckelew, William C., assignor.)						
Reiff, William H., Philadelphia, Pa. Building or paving block.	774,276	Nov. 8	1435	307	113	340
Reighley, John H., Wellsville, and W. P. Sparrow, Moberly, Mo. Portable-box post-office.	760,562	May 24	3925	834	110	934
Reigle, John H., assignor to New Birdsall Company, Auburn, N. Y. Corn-husking machine.	759,129	May 3	1066	316	110	248
Reilly, John, Jersey City, N. J. Portabarge.	769,270	Sept. 6	226	65	112	60
Reilly, Emmet T., Evansville, Wis. Box-fastener.	750,700	Jan. 26	4234	919	108	985
Reilly, James P., et al. (See Schaffer, Philip F., assignor.)						
Reilly, John G., South Melbourne, Victoria, Australia. Window-sash fastener.	766,198	Aug. 2	88	16	111	1060
Reilly, John J., Louisville, Ky. Flexible pipe-coupling.	757,143	Apr. 12	1860	406	109	1756
Reilly, Mrs. James E. (See Irish, Perry M., assignor.)				407		
Reilly, William J., Cleveland, Ohio. Separator.	752,418	Feb. 16	3091	685	108	1753
Reim, Carl, Odessa, Russia. Evaporating alkaline silicate solutions.	760,563	May 24	3927	834	110	934
Reimann, Mary A., et al., executors. (See Farnoff, Jay W., assignor.)						
Reimann, Adolph H., Detroit, Mich. Twist-drill grinder.	748,651	Jan. 5	192	46	108	42
Reimann, Albert, Waldenburg, Germany. Safety arrangement for bicycle-lanterns.	750,556	Jan. 26	3900	862	108	932
Rein, Carl, Hanover-List, Germany. Rotary pump, blower, &c.	751,014	Feb. 2	428	101	108	1152
Rein, Gustav. (See Rabich, Rein, and Ehrlich.)						
Rein, Gustavus, assignor to L. Ehrlich, St. Louis, Mo. Register.	759,748	Nov. 10	3341	488	110	545
Reindel, Hans. (See Julius. Reindel, and Günther.)						
Reine, William, Quartz Mountain, Cal. Stamp-stem and tappet attachment.	774,398	Nov. 8	1653	355	113	398
Reineman, Edwin A., Allegheny, Pa. Toy.	770,386	Sept. 20	2384	503	112	573
Reinert, Ressa C. W., Keota, Iowa. Bed.	752,103	Feb. 16	2473	552	108	1636
Reinhold, Mayer, St. Louis, Mo. Non-refillable bottle.	748,885	Jan. 5	626	140	108	140
Reinhalter, Peter, Philadelphia, Pa. Burner.	773,677	Nov. 1	276	63	113	66
Reinhard, August, Milwaukee, Wis., and M. Scheinman, Chicago, Ill. Sight-testing apparatus.	763,929	June 28	4570	999	110	2439
Reinhard, Louise, Wilmsdorf, near Berlin, Germany. Combined roasting-pan and skeleton support.	765,679	July 26	3569	756	111	822
Reinhardt, Albert, Chicago, Ill., assignor to International Harvester Company. Grain-deck for harvesters.	754,609	Mar. 15	2705	609	109	644
Reinhardt, Gottlob, Elmhurst, Cal. Joint for artificial limbs, &c.	771,268	Oct. 4	94	21	112	982
Reinhardt, James H., East Orange, N. J., assignor to Reinhardt Press and Paper Company. Printing-machine.	748,886	Jan. 5	627	141	108	141
Reinhardt, James H., East Orange, N. J., assignor to Reinhardt Press and Paper Company. Ruling-machine.	760,017	May 17	2877	602	110	683
Reinhardt, Carl, Dortmund, Germany. Speed-regulator for explosive-engines.	778,375	Dec. 27	3807	831	113	2296
Reinhardt, Otto, Easton, Pa., assignor to R. & H. Simon, Union Hill, N. J., and Easton, Pa. Warp stop-motion for looms.	759,309	May 10	1496	301	110	362
Reinhardt Press and Paper Company. (See Reinhardt, James H., assignor.)						
Reinhart, William J., Canton, Ohio. Embroidery-hoop.	763,113	June 21	2961	639	110	2121
Reinhold, Frank J., Detroit, Mich. Ice-cutting machine.	777,976	Dec. 20	3037	665	113	2111
Reinhold, Frank J., assignor to L. Reinhold, Detroit, Mich. Ice-shaving machine.	753,161	Feb. 23	4339	1012	108	2102
Reinhold, Hermann, Davenport, Iowa. Ice-cutting machine.	753,519	Mar. 1	575	131	109	125
Reinhold, Hermann W., Düsseldorf, Germany. Cable-clip for suspended cable-railways.	767,439	Aug. 16	2844	556	111	1662
Reinhold, Lina. (See Reinhold, Frank J., assignor.)						
Reinicke, Paul, Köthen, Germany. Horizontal pulp-strainer.	754,161	Mar. 8	1861	415	109	427
Reininger, Henry, New Orleans, La. Cooler.	766,524	Aug. 2	775	164	111	1210
Reininger, Henry, New Orleans, La. Barrel soaking and rinsing machine.	771,093	Sept. 27	3759	792	112	895
Reininger, Richard, Newark, N. J. Carpet-fastener.	767,326	Apr. 12	2014	438	109	1789
Reinking, Karl. (See Stieglmann and Reinking.)						
Reinle, Otto, and E. Baumgarten, Vienna, Austria-Hungary, assignors to Gesellschaft zur Verwertung Landwirtschaftlicher Produkte, G. M. B. H., Berlin, Germany. Machinery for manufacturing potato-flour by means of rolls.	755,389	Mar. 22	4263	941	109	980
Reinmiller, William C., assignor to A. T. Kenyon and H. C. Hawes, Atlanta, Ill. Fence.	754,389	Mar. 8	2337	510	109	537
Reinvaldt, Otto, Detroit, Mich. Gasket.	767,763	Aug. 16	3259	685	111	1800
Reis & Bro., (See Du Bois, Archibald, assignor.)						
Reis, George H., New York, N. Y. Sink.	769,356	Sept. 6	438	98	112	97
Reis, Jared M. B., Tug River, W. Va., and J. H. Gill, Newcastle, Pa. Doubling apparatus.	756,054	Mar. 29	5540	1232	109	1278
Reis, Morris M., assignor, by mesne assignments, to F. M. Underkuffler, Philadelphia, Pa. Gage and marker for dressmakers or others.	750,221	Jan. 19	3338	721	108	773
Reisch, Caspar, assignor of one-half to J. Backer, Pécs, Austria-Hungary. Combination table, bed, washstand, &c.	762,600	June 14	1938	418	110	1877
Reisner, William H., Hagerstown, Md., assignor to W. H. Reisner Manufacturing Company. Indicating surface-gage.	773,983	Nov. 1	897	189	113	206
Reiss, Christian, and W. G. Bradbury, New York, N. Y. Curtain-fixture.	758,216	Apr. 26	3894	867	109	2253
Reiss, Rudolf, Charlottenburg, and O. Schmatolla, Berlin, Germany. Making medicated soaps.	760,018	May 17	2881	-----	110	688
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Brush-holder.	764,499	July 5	1208	248	111	265
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Centrifugal switch.	771,269	Oct. 4	96	21	112	982
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Collector-ring.	771,325	Oct. 4	207	45, 46	112	1005
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machinery.	773,458	Nov. 22	3890	822	113	935
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machinery.	775,857	Nov. 22	4700	995	113	1109
Reist, Henry G., and A. W. Henshaw, Schenectady, N. Y., assignors to General Electric Company. Starting device for induction-motors.	755,798	Mar. 29	5041	1120	109	1165
Reiter, Otto, New York, N. Y. Non-refillable bottle.	765,193	July 19	2898	543	111	598
Reiter, Samuel, Pittsburg, Pa. Manifold-machine.	772,672	Oct. 18	2896	645	112	1630
Reitler, Charles W. (See Bodge, John W., assignor.)						
Reizenstein, Emile, Waltham, Mass. Substitute for tiling.	757,840	Apr. 19	3260	706	109	2072
Rekowsky, Bernhard von, et al. (See Birkenstamm, Christoph F., assignor.)						
Reliance Boiler Works. (See Gustavus, Ernst R., assignor.)						
Reliance Pneumatic Tool Company. (See Dehn, Carl W., assignor.)						
Relph, Edward J., Chicago, Ill., assignor to Taylor Signal Company, Buffalo, N. Y. Rail-way-signal.	759,310	May 10	1499	301	110	362

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Relyea, Charles H. W., assignor of one-half to G. H. Corbett, North Adams, Mich. Wrench.....	753,915	Mar. 8	1405	317	109	324
Remington, Alfred M., assignor to Novelty Engineering Association, Fitchburg, Mass. Safety-catch for pins.....	774,603	Nov. 8	2038	445	113	469
Remington, Alfred M., assignor to Simonds Mfg. Company, Fitchburg, Mass. Frame-saw.....	774,780	Nov. 15	2428	523	113	578
Remington Arms Company. (See Bench, Edward, assignor.)						
Remington Arms Company. (See Day, Albert H., assignor.)						
Remington Arms Company. (See Witherell, George E., assignor.)						
Remington, Charles H., Roswell, N. Mex. Tex. Automatic switch danger-signal.....	751,871	Feb. 9	2025	458 459	108	1509
Remington, Franklin, et al. (See Moran, Daniel E., assignor.)						
Remsburg, Elton E., assignor to Western Manufacturing Company, Springfield, Ohio. Vise-mount.....	758,779	May 3	398	80	110	97
Remsen, Mary E. (See Remsen, Timothy A., assignor.)						
Remsen, Timothy A., assignor, by mesne assignments, to M. E. Remsen, Brooklyn, N. Y. Saw.....	764,374 763,510	July 5 June 28	960 3760	193 812	111 110	214 2317
Remy, Benjamin P. and F. I. Anderson, Ind. Magneto-electric generator.....	758,780	May 3	399	80	110	98
Renard, William G., Clayton, Ill. Locking-plate for wire fences.....	775,705	Nov. 22	4930	959	113	1072
Renard, Charles, Meudon, France. Vehicle-train.....	748,984	Jan. 5	847	181	108	179
Renaud, Ernest, Montreal, assignor of one-half to C. H. Beauchemin, St. Jean, and C. F. Beauchemin, Farnham, Canada. Railway signal system.....	749,096 771,270	Jan. 5 Oct. 4	1100 98	232 22	108 112	252 983
Renault, Anthime, Chateauroux, and G. Cusson, St. Genou, France. Bolting-mill.....	757,227	Apr. 12	2016	438 439	109	1789
Renault, Louis, Billancourt, France. Steering-gear for motor-vehicles.....	748,984	Jan. 5	847	181	108	179
Renault, Louis, Billancourt, France. Motor-vehicle.....	749,096	Jan. 5	1100	232	108	252
Rendrock Powder Company. (See Turner, George G., assignor.)						
Renfrow, Frank, Redmondville, Miss. Turf-cutting attachment for plows.....	767,714	Aug. 16	3178	666	111	1782
Renfrow, Frank N., assignor of one-half to W. S. Taylor, Vaughan, Miss. Wire-stretcher.....	775,936	Nov. 29	4852	1028	113	1161
Renfrow, John, et al. (See Fincannon, Eli, assignor.)						
Renie, William C., assignor of one-half to H. B. Hewitt, Hoquiam, Wash. Saw-swaging machine.....	762,195	June 7	1097	233 234	110	1677
Renn, Matthew M., Louisville, Ky. Means for forming plow-irons.....	752,104	Feb. 16	2474	552	108	1636
Renn, Samuel M., Spencerville, Ind. Steam-cooker.....	771,574	Oct. 4	703	156	112	1109
Rennell, Thornton B., Denver, Colo. Vehicle-frame.....	766,972	Aug. 9	1740	865	111	1448
Rennell, Thornton B., Denver, Colo. Variable-speed-transmission gearing and controlling means therefor.....	768,148	Aug. 23	4128	868 869	111	2011
Rennell, Thornton B., Denver, Colo. Variable-speed transmission-gearing.....	770,820	Sept. 27	3227	680 681	112	778
Renner, Henry F., assignor to Hollands Manufacturing Company, Erie, Pa. Pipe-cutter.....	758,334 756,141	Apr. 26 Mar. 29	4256 5702	914 1258	109 109	2310 1312
Renner, William E., Sebring, Ohio. Making turnbuckles.....	759,406	Sept. 6	526	116	112	119
Rennerfelt, Gustaf, New York, N. Y. Means for controlling and regulating electric motors.....	763,930	June 28	4573	999	110	2489
Rennie, David P., assignor of one-half to D. H. Cheney, Louisville, Ky. Car-wheel.....	751,942	Feb. 9	2167	499	108	1540
Rennie, John A. (See Sutton and Rennie.)						
Renzo, John A., Sumter, S. C. Crutch.....	751,999	Feb. 9	2297	514	108	1568
Reno, Jesse W., New York, N. Y. Elevator.....	754,807	Mar. 15	3183	694	109	730
Reno, Jesse W., New York, N. Y. Tunnel construction.....	760,484	May 24	3766	798	110	898
Reno, Jesse W., New York, N. Y. Pore-partition.....	761,786	June 7	346	444 70	110	1517
Reno, Jesse W., New York, N. Y. Tunnel apparatus.....	768,655	June 14	2953	445	110	1903
Reno, Edward A., Wellsville, Ohio. Monkey-wrench.....	754,346	Mar. 8	2200	490	109	497
Renshaw, Alfred H. and W. W. Lavarack, Troy, N. Y., assignors to Standard Railroad Signal Company, Ridgefield, N. J. Switch-operating mechanism.....	773,422	Oct. 25	4625	976 977	112	2025
Renshaw, Joseph H., Cincinnati, assignor of one-half to C. E. McKeag, Lockland, Ohio. Protractor and its accompaniments.....	757,568	Apr. 19	2728	597	109	1955
Renshaw, William. (See Sullivan and Renshaw.)						
Renthe-Fink, Agnes A. von, Jena, Germany. Holder for forming ornamental articles.....	768,629	Mar. 1	782	174	109	107
Rentschler, Henry A. (See Lotz, Wisniewer, Hammer, Thoma, and Rentschler.)						
Reoch, George H., New York, N. Y. Micrometer-gage.....	765,322	July 19	2845	595	111	652
Repath, Charles H. and F. E. Marcy, assignors to F. Klepetko, New York, N. Y. Rabbie-arm and rake.....	776,085	Nov. 29	5168	1092	113	1233
Repetto, Augustus O., Blachly, Oreg., assignor to E. C. Atkins & Company, Indianapolis, Ind. Swage-gage for saws.....	748,790	Jan. 5	433	99 232	108	97
Repsdorph, Bernhard, and W. H. Burton, Houston, Tex. Car-seat.....	749,097	Jan. 5	1101	233	108	253
Reschke, August, Kiel, Germany. Expanding and spreading tool.....	756,142	Mar. 29	5703	1258	100	1312
Resek, Simon, Cleveland, Ohio. Stop-cock.....	756,526	Nov. 5	657	141	109	1481
Resor, Charles H., Cincinnati, Ohio. Regulator for gas-burners.....	776,258	Nov. 29	5500	1165	113	1310
Resow, Adolf, Essen-on-the-Ruhr, and O. Lauber, Altdorf, assignors to F. Krupp, Essen-on-the-Ruhr, Germany. Fluid-brake for guns.....	751,684	Feb. 9	1658	376	108	1429
Ressland, William G. (See Brattin and Rensland.)						
Restine, James. (See Crane and Restine.)						
Restucci, Giuseppe, Naples, Italy. Water-tube steam-generator.....	761,713	June 7	186	35	110	1479
Rethmeyer, John F. W., Lyon, Mo. Wheel-rim.....	758,190	Apr. 26	3944	856	109	2242
Rettich, Edward, et al. (See Davis and Pugh, assignors.)						
Rettich, Edward, Germantown, and G. Berger, Cincinnati, Ohio. Sorting-machine.....	758,104	Apr. 26	3785	823 823	103	2206
Rettich, Victor A., New York, N. Y. Gas-burner for heating and incandescent gas-lighting.....	756,893	Apr. 12	1355	301	109	1647
Rettich, Victor A., New York, N. Y., assignor of one-half to S. D. Bullock, Montclair, N. J. Adjustable gas-check.....	751,107	Feb. 2	595	137	108	1187
Rettich, Victor A., New York, N. Y., assignor of one-half to S. D. Bullock, Montclair, N. J. Incandescent gas-burner.....	751,358	Feb. 9	1432	323	108	1382
Rettie, James, London, England. Catch and escapement-gear.....	774,198	Nov. 8	1293	275	113	309
Rettig, Julius E., Reading, Pa. Rivet.....	752,588	Feb. 16	3396	758	108	1832
Rettig, Karl, Spandau, Germany. Dropping-stopper.....	755,549	Mar. 22	4532	1008	109	1037
Reubold, Friedrich. (See Sapper and Reubold.)						
Reufer, Heinrich, Stadthohn, Germany. Combined dobby and jacquard device.....	770,112	Sept. 13	1834	387 388	112	480
Reul, John F., Juneau, Wis. Knockdown box or crate.....	758,105	Apr. 26	3788	823	109	2207
Reuleaux, Josef, Wilkinsburg, assignor to A. Laughlin, Sewickley, Pa. Gas-producer.....	758,475	Apr. 26	4515	970	109	2368

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Reuter, Theodor, assignor to Gebruder Sulzer, Winterthur, Switzerland. Centrifugal pump.....	771,271	Oct. 4	102	22	112	984
Reuter, William, Hoboken, N. J. Paper-serving box for barbers' chairs.....	774,433	Nov. 8	1750	37	113	408
Reuter, Wolfgang, Wetter, Germany. Magnetic grapple.....	762,739	June 14	2271	49	110	1947
Reuther, John and W., Elma, N. Y. Potato-digger.....	777,806	Dec. 20	2644	582 583	113	2037
Reuther, William. (See Reuther, John and W.)						
Reversible Marker Manufacturing Company. (See Doak, Egbert O., assignor.)						
Rex Bugzy Company. (See Hull, Mathew R., assignor.)						
Rex Cap & Cork Company. (See Recht, Frederick, assignor.)						
Rex, David J., Pittsburg, Pa. Paper-box-creasing apparatus.....	769,235	Sept. 6	192	46	112	43
Rexroth, John J., Chicago, Ill. Wet grinder.....	763,635	June 28	3985	869	110	2365
Reyburn, John E. (See Cramer, John H., assignor.)						
Reyburn, John E. (See Nightingale, William H., assignor.)						
Reyburn, John E. (See Pyott, Louis T., assignor.)						
Reynard, James K., New York, N. Y. Convertible sound-box.....	776,941	Dec. 6	968	207	113	1640
Reynaud, Georges, Paris, France. Manufacture of dextrin.....	755,390	Mar. 22	4264	942	109	981
Reynaud, Georges, Paris, France. Making achroo-dextrin.....	761,542	May 31	5874	110	1375	
Reynders, Arthur B. (See Stuart and Reynders.)						
Reynders, John V. W., and W. T. Sears, Harrisburg, Pa. Spacing-table for punching-machines.....	769,020	Aug. 30	5928	1241 1242	111	2433
Reynders, John V. W., and W. T. Sears, Harrisburg, Pa. Mechanism for operating punch-gags.....	770,655	Sept. 20	2888	614	112	685
Reynders, John V. W., and W. T. Sears, Harrisburg, Pa. Controlling device for punches.....	772,826	Oct. 18	3234	705 706	112	1694
Reynders, John V. W., and W. T. Sears, Harrisburg, Pa. Stripper for punches.....	777,542	Dec. 13	2109	463 464	113	1907
Reynolds, A. D. F. (See De Lamater, Edgar, assignor.)						
Reynolds, Alvah L., Madison, N. J. Folding box.....	762,760	June 14	2273	495	110	1948
Reynolds, Arthur D., San Francisco, Cal., assignor to Reynolds Manufacturing Company. Harvester.....	764,205	July 5	615	122 123	111	137
Reynolds, Charles F., West Toledo, Ohio. Harness-ring.....	769,185	Sept. 6	90	23	112	21
Reynolds, Dexter. (See Brown and Reynolds.)						
Reynolds, Edwin, Milwaukee, Wis. Blowing-engine.....	754,162	Mar. 8	1863	415 416	109	428
Reynolds, Frank, Syracuse, N. Y. Starting device for gasoline-engines.....	766,525	Aug. 2	779	165	111	1211
Reynolds, George E., Pueblo, Colo. Stovepipe-clamp.....	767,500	Aug. 16	2784	581	111	1694
Reynolds, George H., Mansfield, Conn. Spool.....	764,206	July 5	617	123	111	137
Reynolds, George H., Mansfield Depot, Conn., assignor to Otis Elevator Company, East Orange, N. J. Rope-drive apparatus.....	761,401	May 31	5634	1199 1200	110	1321
Reynolds, Harry S., New Haven, Conn. Artificial bait.....	756,527	Apr. 5	658	142	109	1481
Reynolds, Henry L., Brooklyn, N. Y. Nut-lock.....	771,435	Oct. 11	1438	327	112	1280
Reynolds, Henry S., New York, N. Y. Milk-can.....	773,163	Oct. 25	4087	864	112	1908
Reynolds, Henry S., assignor to Iron Clad Manufacturing Company, Brooklyn, N. Y. Making metal barrels or like structures.....	750,394	Jan. 26	3660	795	108	866
Reynolds, Herman E., Buffalo, N. Y. Dental draw-press.....	772,367	Oct. 18	3406	739	113	1733
Reynolds, Irving H., Milwaukee, Wis. Inlet-valve for compressing-engines.....	749,323	Jan. 12	1584	335	108	381
Reynolds, John F., administrator. (See Ferrel, John.)						
Reynolds, John H. (See Michael, Ira A., assignor.)						
Reynolds, Joseph N., and J. C. Jenkins, Anita, Iowa. Fence lightning-stay.....	768,077	Aug. 23	3984	837	111	1980
Reynolds Manufacturing Company. (See Reiter, John, assignor.)						
Reynolds Manufacturing Company. (See Reynolds, Arthur D., assignor.)						
Reynolds, Oliver B., Brockton, Mass. End-gate.....	757,080	Apr. 19	2959	644	109	2007
Reynolds, Oliver B., Brockton, Mass. Dumping-wagon.....	758,693	May 3	172	36, 37	110	41
Reynolds, Oliver B., Brockton, Mass. End-gate.....	759,917	May 17	2678	562	110	636
Reynolds, Oliver B., Brockton, Mass., assignor to International Harvester Company. Hay-feder.....	765,194	July 19	3600	544	111	599
Reynolds, Robert R., New York, N. Y. Larding or salting device.....	754,501	Mar. 15	2604	566	109	605
Reynolds, Sidney G., Louisville, Ky. Ink-well.....	749,098	Jan. 5	1103	233	108	253
Reynolds, Stephen G., assignor of one-half to N. Freeman, Easton, Pa. Trolley harp and guard.....	778,376	Dec. 27	3809	831	113	2297
Reynolds, Thomas L., assignor of one-third to C. E. Boston, Waterville, Me. Screen-plate fastener.....	773,423	Oct. 25	4631	978	112	2026
Reynolds, Walter S. (See Sheffer, Frank S., assignor.)						
Reynolds, William S., Dayton, O. Broom-moistener.....	754,705	Mar. 15	3003	656	109	691
Reynolds, Willie H., assignor to M. & P. Company of Chicago, Chicago, Ill. Fluid-operated motor or meter.....	771,393	Oct. 4	386	75	112	1081
Rheutan, Francis, France, assignor to Vieux Dieu, Belgium. Mating-roller.....	761,039	May 24	4827	1025	110	1127
Rheutan, Abram A., Worcester, Mass. Envelop-fastener.....	754,839	Mar. 8	2019	449	109	61
Rheutan, Garrett H., Boston, assignor of one-half to R. B. Lincoln, Waltham, Mass. Boiler-seam.....	776,758	Dec. 6	592	138	113	1557
Rheutan, Isaac L., Richmond, Va. Envelop-fastener.....	761,911	June 7	601	131	110	1573
Rheutan, Isaac L., Richmond, Va. Duplex envelop.....	761,912	June 7	602	121	110	1573
Rhine, Charles A. (See Keeney and Rhine.)						
Rhinehart, Charles E., Coraopolis, Pa. Fly-net.....	759,470	May 10	1818	366	110	433
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Clock mechanism for warping-machines.....	756,800	Apr. 5	1167	258	109	1593
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Spooler.....	760,646	May 24	4094	870	110	972
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Yarn-twisting apparatus.....	764,632	July 12	1517	310	111	349
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Slasher for warpyarns.....	764,767	July 12	1786	366	111	407
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Clock mechanism for warping-machines.....	766,383	Aug. 2	475	102	111	1145
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Apparatus for twisting yarn.....	770,244	Sept. 13	2087	439	112	486
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Metal warper-comb.....	772,582	Oct. 18	2773	611	112	1596
Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Traverse mechanism for warper-combs.....	774,695	Nov. 8	2312	483 484 485	113	507
Rhoades, Nelson, Jr., Littleton, Colo. Concrete-sleeve pipe-coupling.....	760,564	May 24	3928	834 835	110	934
Rhoades, Samuel, Toledo, Ohio. Cash-register.....	759,749	May 10	2344	488 489	110	546

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Rhoads, Charles B., Kimmunity, Ill. Bottle	750,303	Jan. 26	3497	737	108	828
Rhoads, Samuel M., Philadelphia, Pa., assignor to Philada. Brewery Appliance Company, Hose-coupling	771,094	Sept. 27	3764	793	112	896
Rhode Island Elevator and Machine Company. (See Handy, Arthur E., assignor.)						
Rhodes, Amander, assignor of one-half to D. J. Taylor, Baltimore, Ohio. Railway-crossing	764,768	July 12	1787	366	111	407
Rhodes, Bert O., Barborton, Ohio, assignor to National Drill and Manufacturing Company, Chicago, Ill. Grading and ditching machine	749,747	Jan. 19	2458	523	108	585
Rhodes, Bert O., Barborton, Ohio, assignor to National Drill and Manufacturing Company, Chicago, Ill. Grading and ditching machine	749,748	Jan. 19	2459	524	108	585
Rhodes, Charles M., Steubenville, Ohio. Clutch	755,550	Mar. 22	4533	1009	109	1037
Rhodes, Charles M., Steubenville, Ohio. Sash-lifter	761,608	May 31	5990	1286	110	1401
Rhodes, Charles M., Steubenville, Ohio. Non-refillable bottle	762,253	June 7	1211	350	110	1702
Rhodes, Charles M., Steubenville, Ohio. Brake for automobiles	767,959	Aug. 16	3661	773	111	1386
Rhodes, Charles M., assignor to Rhodes Manufacturing Company, Steubenville, Ohio. Hub-clutch	770,443	Sept. 20	2476	525	112	592
Rhodes, Charles M., assignor to Rhodes Manufacturing Company, Steubenville, Ohio. Weather-strip	770,444	Sept. 20	2478	526	112	593
Rhodes, Charles M., assignor to Rhodes Manufacturing Company, Steubenville, Ohio. Window-sash	775,858	Nov. 22	4701	995	113	1110
Rhodes, Efford B., Anderson, Tex. Gate-closer	768,020	June 21	2781	603	110	2082
Rhodes, Ernest D., et al. (See Whitcomb, Clark A., assignor.)						
Rhodes, Fred D., Kalamazoo, Mich., assignor to F. C. Austin, Chicago, Ill. Fish bait or lure	777,488	Dec. 13	2005	443	113	1886
Rhodes, Hampton P., Shreveport, La. Piston-rod-packing	770,926	Sept. 27	3429	723 724	112	823
Rhodes, Harry, Chicago, Ill. Punching-bag	758,279	Apr. 26	4133	893	109	2282
Rhodes, Jerome B., Shreveport, La. Bicycle attachment	762,558	June 14	1874	403	110	1865
Rhodes, John M., Philadelphia, Pa. Piston-rod-packing	776,708	Dec. 27	4427	970	113	2433
Rhodes, Joseph E., New York, N. Y. Printer's blanket	755,105	Feb. 16	2476	552	108	1626
Rhodes, Leverett E., et al. (See Baird, John P., assignor.)						
Rhodes, Louis B., Blairsville, Pa. Protractor-rule	756,055	Mar. 29	5541	1223	109	1279
Rhodes Manufacturing Company. (See Rhodes, Charles M., assignor.)						
Rhodes, Thomas C., Shreveport, La. Non-refillable bottle	761,543	May 31	5875	1259	110	1375
Rhodes, Wesley. (See Tynan and Rhodes.)						
Rhodes, William H., Oldham, England. Slubbing, intermediate, or roving frame	777,696	Dec. 20	2419	532	113	1990
Rhodius, Otto. (See Schmidt and Rhodius.)						
Riber, Alphonse. (See Klappauf, Weinzaeflen, and Riber.)						
Riblet, Byron C., Spokane, Wash. Latch for tramway-buckets	761,609	May 31	5992	1287	110	1401
Riblet, Byron C., Spokane, Wash. Tramway-terminal	761,610	May 31	5993	1288	110	1402
Ribourt, Léon, Vesinet, France. Governor for hydraulic turbines	772,294	Oct. 11	2181	476 477	112	1446
Rican, James H., New Orleans, La. Table-tennis	755,936	Mar. 29	5390	1176	109	1232
Ricaud, Frank. (See Mas and Ricaud.)						
Rice, Albert J. (See Adams and Rice.)						
Rice, Alfred B., Racine, Wis. Culinary boiler or steamer	771,830	Oct. 11	1209	269	112	1232
Rice, Calvin G. (See Stewart and Rice.)						
Rice, Charles D., Hartford, Conn. Multiple-spindle drill-press	773,591	Nov. 1	111	22, 23	113	31
Rice, Charles D., Hartford, Conn. Machine for making	775,735	Nov. 22	4468	945	113	1061
Rice, Charles D., Hartford, Conn. assignor to Underwood Typewriter Company, New York, N. Y. Type-writer carriage	752,106	Feb. 16	2478	553	108	1627
Rice, Charles D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writer	772,057	Oct. 11	1702	379 380	112	1338
Rice, Charles D., O. C. Kable, and E. S. McAll, Hartford, Conn., assignors to Underwood Typewriter Company, New York, N. Y. Escapement mechanism for type-writers	769,804	Sept. 13	1261	271	112	302
Rice, Christopher B., Jr., assignor of one-half to P. Weigering and H. H. Mollencup, Defiance, Ohio. Automatic switch mechanism	765,195	July 19	2603	544	111	599
Rice, Dewey S., Weatherly, Pa. Automatic switch-indicator	760,081	May 17	2992	625 626	110	709
Rice, E. R., et al. (See Payne, Carl S., assignor.)						
Rice, Edwin W., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric lamp	769,637	Sept. 6	949	205 206	112	215
Rice, Edwin W., Jr., Schenectady, N. Y., assignor to General Electric Company. Circuit-protecting device	769,961	Sept. 13	1567	334 345	112	370
Rice, Francis A., assignor of one-third to G. Aabel, San Francisco, Cal. Mattress-filling machine	764,500	July 5	1210	249	111	266
Rice, George H., Greenbay, Wis. Box	776,942	Dec. 6	969	207	113	1641
Rice, George H., Greenbay, Wis. Box-machine	776,943	Dec. 6	970	208	113	1641
Rice, George M., Worcester, Mass. Apparatus for separating liquids from solids	751,810	Feb. 9	1908	432 433	108	1483
Rice, Henry, Crawfordsville, Ind. Saw-set	772,295	Oct. 11	2184	477	112	1447
Rice, Horace E. (See Goldstein and Rice.)						
Rice, James N., deceased; S. E. Rice, Scranton, Pa., administratrix. Steam-generator	772,059	Oct. 11	1706	380	112	1339
Rice, Jesse L., New York, N. Y. Pompadour-comb	752,261	Feb. 16	2779	516	108	1697
Rice, John V., Jr., assignor to John V. Rice, Junior, Company, Edgewater Park, N. J. Electric sparking ignition apparatus for gas rock-drills	749,324	Jan. 12	1586	335 336	108	381
Rice, Joseph, Chicago, Ill. Elevator	752,800	Feb. 23	3823	858	108	1943
Rice, Joseph, Chicago, Ill. Elevator	765,732	July 26	3723	794	111	851
Rice, Joseph, Chicago, Ill. Elevator	765,791	July 26	3817	812 813	111	869
Rice, Lowell H., Chicago, Ill. Machine for slitting sheets of paper or the like	774,454	Nov. 8	1751	378 379	113	409
Rice, Nathaniel B., Chicago, Ill. Filter	776,550	Dec. 6	161	37	113	1461
Rice, Russell B., Las Vegas, N. Mex. Ter. Hasp-lock	776,086	Nov. 29	5170	1092	113	1233
Rice, Sarah E., administratrix. (See Rice, James N.)						
Rice, Thomas B., Jr., Philadelphia, Pa. Device for assorting boards of different widths	769,567	Sept. 6	838	178	112	188
Rice, Viets L., New York, N. Y. Antifriction-bearing	768,574	Aug. 23	4992	1046	111	2204
Rice, Walter C., Providence, R. I. Tank-siphon	771,790	Oct. 4	1125	251	112	1200
Rice, Walter F., Worcester, Mass. Change-speed gearing	778,548	Dec. 27	4134	900	113	2367
Rice, Walter F., Fitchburg, Mass. Apparatus for transmitting power at varying speeds	778,549	Dec. 27	4137	901	113	2368
Rice, Walter H., Warwick, R. I., assignor to George L. Vose Manufacturing Company. Locket	767,836	Aug. 16	3420	721	111	1833
Rice, William. (See Hardenbrook and Rice.)						
Rice, William H., et al. (See Cope, Joseph H., assignor.)						
Rice, William P., Lowell, Ohio. Clamp for hoops, bands, &c	753,385	Apr. 26	4346	933	109	2329

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Rich, Frederick S., Canton, Ohio. Sharpening device.....	753,630	Mar. 1	784	175	109	170
Rich, George H. and R. C., Chicago, Ill. Shaft-collar.....	774,199	Nov. 8	1297	275	113	310
Rich, George R., assignor to Geo. R. Rich Manufacturing Company, Chicago, Ill. Chuck coupling.....	763,796	June 28	4314	938	110	2435
Rich, George R., assignor to Geo. R. Rich Manufacturing Company, Chicago, Ill. Shaft-coupling.....	768,694	Aug. 30	5275	1108	111	2283
Rich, George R., assignor to Geo. R. Rich Manufacturing Company, Chicago, Ill. Chuck-coupling.....	772,534	Oct. 18	2673	587	112	1574
Rich, George R., assignor to Geo. R. Rich Manufacturing Company, Chicago, Ill. Expanding lathe-mandrel.....	775,579	Nov. 22	4167	878	113	996
Rich, George R., assignor to Geo. R. Rich Manufacturing Company, Chicago, Ill. Drill.....	777,543	Dec. 13	2112	464	113	1908
Rich, Herbert J., Chicago, Ill. Indicator.....	763,021	June 21	2782	603	110	2082
Rich, John P., Swanton Junction, Vt. Lime-slaking apparatus.....	761,913	June 7	603	121	110	1573
Rich, Lester M., Cedar Rapids, Iowa. Pump-cap.....	771,666	Oct. 4	879	198	112	1147
Rich, Menzo, Addison, N. Y. File for papers.....	761,181	May 31	5199	1105	110	1235
Rich, Robert C. (See Rich, George H. and R. C.).....						
Richard, Anton (See Sandner, Johann, assignor.).....						
Richard, Eugene. (See Weir, Roderick, assignor.).....						
Richard, Eugene C., assignor to Buick Manufacturing Company, Detroit, Mich. Gas-engine.....	771,095	Sept. 27	3765	793	112	896
Richard, Eugene C., assignor to Buick Motor Company, Detroit, Mich. Carburetor for explosion-engines.....	771,096	Sept. 27	3767	794	112	897
Richard, Eugene C., assignor to Buick Motor Company, Detroit, Mich. Muffler.....	773,984	Nov. 1	899	189	113	206
Richard, George J. (See Washburne and Richard.).....						
Richard, John C., assignor to American News Company, New York, N. Y. Post-card exhibitor.....	774,495	Nov. 8	1841	399	113	428
Richard, Jules. (See Colardeau and Richard.).....						
Richards, Napoleon, Sherbrooke, Canada. Pulp-screening machine.....	752,107	Feb. 16	2479	533	108	1627
Richards, Charles W. (See Zwilling and Richards.).....						
Richards, Charles W., assignor to Acme Machinery Company, Cleveland, Ohio. Rivet-making machine.....	766,064	July 26	4318	925	111	978
Richards, David E., Malden, Mass. Barrel-head fastener.....	767,715	Aug. 16	3179	666	111	1782
Richards, Francis H., Hartford, Conn. Playing-ball.....	758,851	May 3	531	108	110	126
Richards, Francis H., Hartford, Conn. Candy-pulling machine.....	764,538	July 5	1311	267	111	288
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Saw-detaching mechanism.....	766,384	Aug. 2	477	102	111	1145
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Gage and gage-clamp.....	766,790	Aug. 2	1346	284	111	1340
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Locking mechanism.....	766,791	Aug. 2	1349	284	111	1341
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Precisionizer for index-pins.....	766,792	Aug. 2	1357	284	111	1343
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Union for rock-shafts and rocker-arms.....	766,793	Aug. 2	1359	285	111	1344
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Frame for miter-boxes.....	766,794	Aug. 2	1362	285	111	1344
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.....	766,795	Aug. 2	1367	286	111	1346
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Saw-guide.....	766,796	Aug. 2	1372	286	111	1347
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Saw-guide.....	766,797	Aug. 2	1374	287	111	1348
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Saw-guide clamp.....	766,798	Aug. 2	1377	287	111	1348
Richards, Francis H., Hartford, assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.....	766,799	Aug. 2	1380	288	111	1349
Richards, Francis H., Hartford, Conn., assignor, by mesne assignments, to Perfect Golf Ball Company. Covering golf-balls by the use of plastic or gutta-percha strips.....	777,045	Dec. 6	1169	255	113	1687
Richards, Fred, Rochester, Pa. assignor of one-half to American Clay Working Machinery Company, Bucyrus, Ohio. Hot-air drier.....	772,179	Oct. 11	1950	431	112	1390
Richards, George C., Berkeley, assignor of one-half to H. Murphy, San Francisco, Cal. Stamp-mill.....	750,006	Jan. 19	2947	630	108	691
Richards, George L. (See Brostrom, Frank O., assignor.).....						
Richards, James, Grand Rapids, Mich. Knockdown sectional bookcase.....	761,103	May 31	5060	1074	110	1195
Richards, James F., et al. (See Lechner, Francis M., assignor.).....						
Richards, Joseph E., and H. M. Muggley, Boston, Mass. Wrench.....	776,944	Dec. 6	972	208	113	1631
Richards, Joseph T., Philadelphia, Pa. System of railroading.....	760,249	May 17	3331	700	110	784
Richards, Marcus C., Aurora, Ill. Switch for carrier systems.....	768,239	Aug. 23	4307	907	111	2050
Richards, Marcus C., assignor to Wilcox Manufacturing Company, Aurora, Ill. Lifting-jack.....	764,677	July 12	1613	329	111	369
Richards, Oliver L., Cushing, Tex. Double-speed engine.....	765,099	July 12	2432	506	111	544
Richards, Walter J., Milwaukee, Wis. Electrical switching apparatus.....	760,565	May 24	3930	835	110	935
Richards, Walter J., Milwaukee, Wis. Lubrication control for fluid-pressure apparatus.....	773,523	Oct. 25	4863	1026	112	2078
Richards, Walter J., Milwaukee, Wis. Electric-current governor.....	778,333	Dec. 27	3708	809	113	2275
Richards, Willard F., Buffalo, N. Y. Vehicle frame and spring construction.....	754,610	Mar. 15	2798	610	109	645
Richards, Willard F., Buffalo, assignor to Gould Coupler Company, New York, N. Y. Car-coupling.....	754,706	Mar. 15	3007	656	109	691
Richards, Willard F., Buffalo, assignor to Gould Coupler Company, New York, N. Y. Draft-gear for railway-cars.....	760,757	May 24	4341	922	110	1023
Richards, Willard F., Buffalo, assignor to C. M. Gould, New York, N. Y. Dynamo-mounting for railway-car trucks.....	769,920	Sept. 13	1488	318	112	353
Richards, William, Rochester, N. Y. Fruit-jar.....	770,387	Sept. 20	2385	504	112	574
Richards, William, Mayburg, Pa. Valve.....	774,455	Nov. 8	1757	379	113	409
Richards, William J., Waterbury, Conn. Machine for marking and laying out dies.....	773,896	Nov. 1	736	155	113	166
Richards, William T., Quincy, Mass. Traveling-case.....	758,019	Apr. 19	3608	781	109	2150
Richards, Charles G., Springfield, Vt. Taper attachment for turret-lathes.....	757,681	Apr. 19	3262	644	109	2008
Richards, Charles H., Philadelphia, Pa. Extensible bracket.....	771,575	Oct. 4	704	156	112	1109
Richardson, Chauncey E., assignor to Keapcopy Manufacturing Company, Washington, D. C. Manifold means.....	774,604	Nov. 8	2039	446	113	469

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Richardson, Dwight S., New York, N. Y. Sectional boiler	761,252	May 31	5338	1133	110	1255
Richardson, Earl H., North Ontario, and F. J. Kimball, Los Angeles, Cal. Fruit cleaner and grader	755,937	Mar. 29	5331	1176 1177	109	1233
Richardson, Edwin J. (See Johnson, Arthur T. M., assignor.)						
Richardson, Hamilton, Townsend, Mont. Sand-shield for vehicles	761,714	June 7	188	35	110	1480
Richardson, Henry, Handsworth, England. Automatic weighing-machine	760,485	May 24	3769	798 799	110	899
Richardson, James C. (See Davis, Fred S., assignor.)						
Richardson, Jocelyn J., Baltimore, Md. Nut-lock for railway-joints	762,656	June 14	2057	445	110	1904
Richardson, John S. (See Norwood, George, assignor.)						
Richardson, Joseph W. A., New Orleans, La. System of house-wiring	765,904	July 26	4014	856 857	111	914
Richardson, M. E., trustee. (See Lundquist, Frank A., assignor.)						
Richardson, M. E. (See Lundquist and Norstrom, assignors.)						
Richardson, M. E., et al. (See Norstrom, Nils E., assignor.)						
Richardson, Myron H. (See Lee and Richardson.)						
Richardson, Orrin, Applegate, Cal. Step-ladder	766,385	Aug. 2	47	103	111	1146
Richardson, Richard M., Philadelphia, Pa. Railway guide-book, catalogue, or kindred reference-book	765,512	July 19	3238	678	111	736
Richardson, Robert, Glasgow, Scotland. Air-pump for steam-engines	755,938	Mar. 29	5335	1177	109	1233
Richardson, Robert, Glasgow, assignor to J. Hastie and Company, Limited, Greenock, Scotland. Controlling-valve for steering-engines	761,353	May 31	5340	1134 1135	110	1256
Richardson, Sam T., and R. Price, Birmingham, England. Resilient tire	771,272	Oct. 4	103	23	112	964
Richardson, Sam T., and R. Price, Birmingham, England. Machine for bending trough-section metallic wheel-rims	774,108	Nov. 1	1139	243 244	113	258
Richardson, Solon O., Jr., Toledo, Ohio. Glass-furnace	756,409	Apr. 5	441	91, 92	109	1437
Richardson, Solon O., Jr., Toledo, Ohio. Furnace	756,894	Apr. 12	1357	301 302	109	1648
Richardson, Solon O., Jr., Toledo, Ohio. Manufacturing glass articles	756,895	Apr. 12	1360	302 303	109	1648
Richardson, Solon O., Jr., Toledo, Ohio. Ladle and mold	757,412	Apr. 12	2401	523	109	1869
Richardson, Solon O., Jr., Toledo, Ohio. Manufacturing hollow glass articles	760,150	May 17	3151	659	110	743
Richardson, Solon O., Jr., Toledo, Ohio. Manufacture of glass	764,501	July 5	1217	250	111	267
Richardson, Solon O., Jr., Toledo, Ohio. Manufacturing glass	766,771	Aug. 2	1302	276	111	1330
Richardson, Solon O., Jr., Toledo, Ohio. Globe	777,142	Dec. 13	1352	299	113	1743
Richardson, Solon O., Jr., assignor to Libbey Glass Company, Toledo, Ohio. Manufacturing glassware	756,284	Apr. 5	1832	37	109	1383
Richardson, Stephen J., assignor to Press Publishing Company, New York, N. Y. News-stand	759,311	May 10	1499	301	110	362
Richardson, Thomas D., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Hook and eye	773,592	Nov. 1	113	23	113	31
Richardson, Warren, Somerville, assignor of one-fourth to C. W. Folstrup, Maplewood, Malden, Mass. Mechanical movement	767,085	Aug. 9	1967	410	111	1498
Richardson, Wheeler, assignor of two-thirds to N. L. Murrell and E. C. Alexander, Elizabethton, Tenn. Folding door	755,551	Mar. 22	4535	1009 1010	100	1038
Richardson, William A., Edwardsville, Ill. Signal	761,787	June 7	348	70	110	1517
Richardson, William G., Milwaukee, Wis. Mixing-machine	757,144	Apr. 12	1862	407	109	1756
Richardson, William H. (See Lucas, Jonathan, assignor.)						
Richardson, William S., Boston, Mass. Garment-fastener	751,559	Feb. 9	1434	325	108	1383
Richardson, William S., Boston, Mass., assignor to Ball and Socket Fastener Company, Portsmouth, N. H. Socket member	755,582	Mar. 22	4587	1020	109	1050
Richardson, William S., Boston, Mass., assignor to Ball & Socket Manufacturing Company, Cheshire, Conn., and Boston, Mass. Fastener socket member	756,184	Mar. 29	5765	1273	109	1325
Richie, Arthur J., and A. W. Jamison, Toledo, Ohio. Coin-controlled perfume-vending machine	748,652	Jan. 5	194	46	108	43
Richmond & Backus Company. (See Barker and Winfield, assignors.)						
Richmond & Backus Company. (See Winfield and Barker, assignors.)						
Richmond Electric Manufacturing Company. (See Plassmann, August W., assignor.)						
Richmond, George W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shunt resistance	753,916	Mar. 8	1406	317	109	324
Richmond, Harry C., et al. (See Mock, Charles H., assignor.)						
Richmond, Henry E., Westwood, assignor to Underwood & Underwood, Arlington, N. J. Stereoscope	772,058	Oct. 11	1704	380	112	1339
Richmond, John S., New York, N. Y. Transmission of electrical impulses	758,106	Apr. 26	3790	823	109	2208
Richmond, John S., New York, N. Y. Transmission of electrical impulses	758,598	Apr. 26	4766	1026	109	2425
Richmond, William J., assignor of one-half to G. W. Rudolph, Auburn, Ind. Rotary steam-engine	749,703	Jan. 12	2242	495	108	542
Richter, Charles O., assignor to Hooven, Owens, Rentschler Company, Hamilton, Ohio. Steam-turbine	777,432	Dec. 13	1893	417	113	1862
Richter, Felix, Borsdorf, near Leipzig, Germany. Portable crosscut-saw	757,770	Apr. 19	3137	682	109	2016
Richter, Friedrich A., Rudolstadt, Germany. Gear-wheel	748,653	Jan. 5	195	46	108	43
Richter, Friedrich A., Rudolstadt, Germany. Spring-motor	755,939	Mar. 29	5335	1177	109	1233
Richter, Gustav F., New York, N. Y. Needle-holder	776,688	Dec. 6	446	99	113	1536
Richter, Hans, Nuremberg, Germany. Gas-engine	754,163	Mar. 8	1866	416	109	425
Richter, Max A., Dresden, Germany. Photographic shutter	764,376	July 5	964	194	114	214
Richter, Max A., assignor to Heinrich Ernemann Aktien-Gesellschaft für Camera-Fabrikation in Dresden, Dresden, Germany. Photographic shutter	764,375	July 5	962	194	111	214
Richter, Philipp G., St. Louis, Mo. Balance	764,377	July 5	966	194	111	215
Rick, Heinrich, Godesberg, Germany. Burglar-proof grating	759,471	May 10	1819	367	110	438
Rickard, Fred A., Lowell, assignor of one-half to H. F. Kiernan, Collinsville, Mass. Centering and drilling attachment for lathes	766,843	Aug. 9	1489	311	111	1391
Rickard, Hannah V., Bayonne, N. J. Hat-fastener	753,314	Mar. 1	151	41	109	42
Ricke, George H., assignor of two-thirds to J. Zimmermann, Cincinnati, Ohio. Bung-bushing	758,386	Apr. 26	4347	933	109	2329
Ricke, George H., assignor to W. A. Rinckhoff, Cincinnati, Ohio. Fruit-jar	759,830	May 10	2521	527	110	585
Rickenmann, Otto, assignor to J. Frankenthaler, New York, N. Y. Plaiting attachment for sewing-machines	765,634	July 19	3453	739 740	111	782
Ricker, Benjamin J., Grinnell, Iowa. Apparel-binding	776,618	Dec. 6	305	67	113	1497
Ricketts, John A., Ithaca, N. Y. Camera-shutter	778,334	Dec. 27	3712	811	113	2272
Ricks, Charles A., Glenville, Ohio. Bath-tub	753,002	Feb. 23	4250	947	108	2038
Ricks, George L., Tulsa, Tex. Fence	764,378	July 5	967	195	111	215
Ricksecker, Alva C., et al. (See Smith, Frank L., assignor.)						
Ricono, Domenico, Fremantle, Western Australia, Australia. Level	765,858	July 26	3934	839 840	111	895

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Riddell, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnetic reversing device.	752,589	Feb. 16	3397	758	108	1832
Riddell, John, Schenectady, N. Y., assignor to General Electric Company. Magnetic clutch application.	752,590	Feb. 16	3402	758	108	1833
Riddell, John, Schenectady, N. Y., assignor to General Electric Company. Boring-bar.	775,459	Nov. 22	3892	823	113	936
Riddell, Joseph. (See Riddell, William A. and J.)						
Riddell, William A. and J., Sharon, Pa. Device for separating flue-lust from gas.	755,244	Mar. 22	3977	882 883	109	918
Rid herof, Cornell, and G. M. Johnston, Grand Rapids, Mich. Gas-light-flashing device.	773,897	Nov. 1	729	155	118	167
Ridderhof, C. C., and E. M. Se., assignors to Wilmarth & Morman Company, Grand Rapids, Mich. Flashing device for incandescent electric lamps.	772,908	Oct. 18	3408	740	112	1734
Riddle, David M., and B. F. Shuck, Wilkinsburg, Pa. Pleasure-railway.	777,309	Dec. 13	1650	366 367	113	1809
Riddle, Robert N., Urwchland, Pa., assignor to Warner Chemical Company, Carteret, N. J. Making vanillin.	754,164	Mar. 8	1867		109	429
Riddle, Thomas E. (See Ramsay and Riddle.)						
Riddlebaugh, John, Sharpsburg, assignor to Lutz & Schramm Company, Allegheny, Pa. Sorting-machine.	754,390	Mar. 8	2338	511	109	527
Rideout, Charles H., Buffalo, N. Y. Tobacco-pipe.	775,407	Nov. 22	3774	799	113	911
Rideout, P. R. (See Berry, Frank A., assignor.)						
Riedy, Charles H., St. Louis, Mo. Treating copper ores.	759,191	May 3	1193	243	110	270
Rider, Charles H., St. Louis, Mo. Treating lead-bearing ores.	759,192	May 3	1195	243	110	270
Rider, Charles H., St. Louis, Mo. Treating gold and silver ores.	776,424	Nov. 29	5808	1230	113	1381
Rider, Granville S., Elmhurst, assignor of one-fourth to L. Taussig, New York, N. Y. Oil vaporizer and burner.	756,410	Apr. 5	444	92	109	1437
Rider, Herbert E., New York, N. Y. Steam-generator.	757,413	Apr. 12	2403	523	109	1869
Ridgely Trimmer Company. (See Williams, Harry S., assignor.)						
Ridgway, Herbert N., Winthrop, Mass. Amusement apparatus.	768,303	Aug. 28	4429	931	111	2077
Ridgway, John J., Rosebank, N. Y. Automatic tripper for conveyer-belts.	760,702	May 24	4217	896	110	996
Ridgway, Thomas J. (See Dixon and Ridgway.)	763,207	June 21	3158	679	110	2166
Ridings, John A., Marquam, Oreg. Drying apparatus.	764,150	July 5	472	92, 93	111	102
Ridout, Luther, Memphis, Tenn. Car-fender.	775,937	Nov. 29	4853	1028	113	1161
Riebe, August, assignor to Deutsche Waffen- & Munitionsfabriken of Berlin, Berlin, Germany. Ball-bearing.	774,893	Nov. 15	2662	571	113	629
Rieche, Friedrich, and O. Saame, assignors to R. Koepf & Co., Oestrich, Rheingau, Germany. Making soap.	748,791	Jan. 5	434		108	97
Riedel, Ernst G., Einsiedel, near Chemnitz, Germany. Meat-tenderer, also vegetable-cutter.	776,945	Dec. 6	974	209	113	1642
Riedel, George L. (See Miller and Riedel.)						
Riedel, Harmon, et al. (See Griffin, Thomas J., assignor.)						
Rieder, Bartholma B., McKees Rocks, Pa. Washing-machine.	762,943	June 21	2954	575	110	2053
Riedy, Joseph F., Hamburg, Iowa. Display-stand.	773,335	Dec. 27	3717	811	113	2377
Rieg, Jacob, Wilkesbarre, Pa. Sidewalk-elevator.	767,244	Aug. 9	2378	475	110	1564
Riegels, Olaf L. A., Høvik, near Christiania, Norway. Lubricator.	755,245	Mar. 22	3978	883	109	918
Riegner, Austin H., Reading, Pa. Nurling-tool holder.	768,771	Aug. 30	5407	1138	111	2314
Riehle, Frederick A. (See Cock, William R., assignor.)						
Riehl, Frederick A. (See Tretch, William J., assignor.)						
Rieker, Theodore E., and T. J. Moore, Denver, Colo. Cuspidor.	774,953	Nov. 15	2777	595	113	655
Rieman, John F., Goshen, Ind. Nut-lock.	756,709	Apr. 5	978	216	109	1553
Riensch, Hermann, Charlottenburg, Germany. Device for the purification of waste liquors.	773,593	Nov. 1	114	23	113	81
Ries, Elias E., New York, N. Y. Means for intensifying telephonographic records.	768,541	Aug. 23	4923	1031	111	2190
Ries, Elias E., New York, N. Y. Apparatus for recording and reproducing speech, &c.	773,985	Nov. 1	900	189	113	207
Ries, Elias E., New York, N. Y. Telephone system and apparatus.	777,807	Dec. 20	2648	583	113	2038
Ries, Elias E., New York, N. Y. Telephone-transmitter.	777,808	Dec. 20	2654	584	113	2038
Ries, Frederick C., Macon, Ga. Watchcase-pendant.	773,494	Oct. 25	4633	978	112	2027
Ries, Henry J., Iowa City, Iowa. Order and record file.	764,379	July 5	968	195	111	215
Ries, Moses. (See Pfugradt and Ries.)						
Rietzel, Adolph F., assignor to Thomson Electric Welding Company, Lynn, Mass. Electric-welding clamping device.	766,288	Aug. 2	307	62	111	1108
Rietzel, Adolph F., assignor to Thomson Electric Welding Company, Lynn, Mass. Electric welding.	773,369	Dec. 27	3590	735	113	2250
Rievaldt, William, assignor of one-half to T. H. Keane, Cleveland, Ohio. Bolt-threading head.	753,739	Mar. 1	1004	229	109	216
Riewe, Frederick, Pottsville, Tex. Machine for destroying cotton-boll weevils.	760,486	May 24	3772	799	110	899
Rife, Elton M., Indianapolis, Ind. Automatic wind-break for train-markers.	752,801	Feb. 23	3825	898	108	1943
Riftenberick, Robert B., Cleveland, Ohio. Dumping-vehicle.	771,936	Oct. 11	1439	338	112	1280
Riffe, John W. (See Day, Thomas M., assignor.)						
Rigby, John J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing-press.	760,921	May 24	4662	993	110	1091
Rigby, Thomas. (See Crossley and Rigby.)						
Riggins, Francis G., Camden, N. J. Piano tone-deflector.	758,694	May 3	175	37	110	42
Riggs, Benjamin G., Kinzua, Pa. Railway-rail joint.	749,449	Jan. 12	1562	387	108	438
Riggs, Charles E., McCrory, Ark. Vehicle-step.	750,893	Feb. 2	216	49	108	1105
Riggs, Gardiner G., and A. E. Babin, Waterbury, Conn. Lathe test-indicator.	773,425	Oct. 25	4634	978	112	2027
Riggs, Gladstone, assignor of one-half to C. C. Sill, Bothell, Wash. Lifting-jack.	761,914	June 7	604	121	110	1742
Riggs, Marshall J., Marietta, Ohio. Automatic rope-spear.	776,625	Nov. 29	5310	1230	113	1381
Riggs, Whittaker, New Orleans, La. Decoy.	775,545	Nov. 22	4089	860	113	973
Riggs, Whittaker, New Orleans, La. Decoy-duck.	775,580	Nov. 22	4103	878	113	996
Righton, Joseph W., Lenoxdale, Mass. Ammunition-jacket.	775,149	Nov. 15	3188	680	113	751
Rignoni, Joseph A., Berlin, Germany. Electric-arc lamp.	750,894	Feb. 2	218	49	108	1106
Rignoni, Joseph A., Berlin, Germany. Electric-arc lamp.	761,182	May 31	5300	1105	110	1226
Rigola, Camillo, Bournemouth, England. Massage appliance.	777,143	Dec. 13	1359	299	113	1743
Rile, William J., assignor to E. L. Shipman, New York, N. Y. Temporary binder.	757,682	Apr. 19	2963	645	109	2008
Riley, Charles E. (See Illingworth, Harry I., assignor.)						
Riley, George M., Myrtle Springs, Tex. Railway-switch.	777,977	Dec. 20	3027	666	113	2111
Riley, James, et al. (See Simpson, Bryant, assignor.)						
Riley, James, Elma, Iowa. Wire-tightener.	769,714	Sept. 13	1106	237	112	268
Riley, James C., Los Angeles, Cal. Suspensory.	775,288	Nov. 15	3316	741	113	832
Riley, John, Minneapolis, Minn. Grain-dow for freight-cars.	753,163	Feb. 23	4540	1012	108	2102

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Riley, John J. (See Fairhurst, William S., assignor.)						
Riley, Robert G., Seattle, Wash. Submarine dredging and sluicing device	754,611	Mar. 15	2800	611	109	645
Riley, Robert L., Newburgh, N. Y. Device for releasing trucks from cars	752,467	Feb. 16	3171	706	108	1780
Riley, Robert L., Newburgh, N. Y. Combined stop and lock for window-sashes	773,986	Nov. 1	916	190	113	208
Riley, William B., Wayne, Pa. Garment hook and eye	763,114	Nov. 21	2962	639	110	2121
Riley, William H. (See Roberts and Riley.)						
Riley, Willis L. (See Gorman and Riley.)						
Rimington, Walter J., Toronto, Canada. Woven-wire mattress	756,143	Mar. 29	5704	1258	109	1313
Rinckhoff, William A. (See Ricke, George H., assignor.)						
Rinehart, Sheldon. (See Brown, Wellington M., assignor.)						
Rinehart, William L., Milwaukee, Wis. Envelop-machine	756,981	Apr. 12	1531	336 337	109	1688
Riner, Fred E., and F. L. Thomas, Riverdale, Kans. Feeder and band-cutter	759,552	May 10	1970	402 403	110	466
Ring, William L., and P. L. Cooper, Saginaw, Mich. Vehicle-wheel	776,350	Nov. 29	5667	1200	113	1438
Ring, Louis J. (See Wildermann, Joseph M., assignor.)						
Ringland, Ralph M., and C. N. Black, Chicago, Ill. Wall map-case	760,019	May 17	2882	602	110	688
Ringless Supplies Company. (See Cutler, William H., assignor.)						
Ringnell, Per A., Salem, Ohio. Clothes-drier	757,497	Apr. 19	2571	564	109	1920
Ringqvist, Otto W., assignor to M. E. Johnson, Fitchburg, Mass. Cartridge-ejector for breakdown guns	754,092	Mar. 8	1748	388	109	460
Ringqvist, Otto W., assignor to M. E. Johnson, Fitchburg, Mass. Cylinder-latch for revolving firearms	769,277	Sept. 6	278	65	112	60
Ringstrom, Charles J., Chicago, Ill. Automatic blocking, releasing, and dumping system for tram-cars	753,917	Mar. 8	1408	317 318	109	325
Ringwalt, Theodore L. (See Albrecht and Ringwalt.)						
Rink, Johan J., Elsinore, Denmark. Apparatus for electrolytic decomposition of alkali chlorids	748,985	Jan. 5	848	182	108	196
Rink, William E., Hilton, assignor to L. and A. B. Meyer, Newark, N. J. Hose-supporter	754,347	Mar. 8	2302	490	109	498
Rinker, William, St. Paul, Minn. Bottle card-holder	775,988	Nov. 29	4984	1032 180 181	113	1190
Rinsche, Frank C., assignor to Universal Accountant Machine Company, St. Louis, Mo. Calculating-machine	751,207	Feb. 2	788	182 183 184	108	1225
Rinsche, Frank C., assignor to Universal Accountant Machine Company, St. Louis, Mo. Calculating-machine	764,008	July 5	780	31,32	111	43
Riordan, John W. (See Kelly and Riordan.)						
Rios, Charles O. (See Pollock, Thomas, assignor.)						
Riotte, Carl C., New York, N. Y. Automobile	758,695	May 3	176	37	110	42
Riotte, Carl C., assignor, by mesne assignments, to L. Nixon, New York, N. Y. Speed-controlling mechanism for automobiles or the like	749,590	Jan. 12	2109	439 440	108	944
Riotte, Carl C. and E. A., New York, N. Y. Driving mechanism	749,704	Jan. 12	2344	495	108	543
Riotte, Carl C. and E. A., New York, N. Y. Sparking-igniter mechanism	758,217	Apr. 26	3995	868	109	2233
Riotte, Eugene A. (See Riotte, Carl C. and E. A.)						
Rioux, Alfred C., Toronto, Canada. Mower-bar	752,108	Feb. 16	2481	554	108	1627
Rioux, David, assignor of one-half to E. Angers, Springfield, Mass. Garment-fastener	777,144	Dec. 13	1354	399	113	1743
Ripley, Daniel A., assignor to United States Glass Company, Pittsburg, Pa. Manufacture of glass articles of circular cross-section	754,165	Mar. 8	1868	416	109	429
Ripley, Daniel C., Pittsburg, Pa. Glass-shaping apparatus	777,899	Dec. 20	2657	584 585	113	2039
Ripley, James R., Memphis, Tenn. Lumber-kiln	772,962	Oct. 25	3521	762 763	112	1777
Rippe, Hermann H. (See Ortnier, Johann, assignor.)						
Rippe, Hermann H., Cleveland, Ohio. Car-replacer	772,432	Oct. 18	2472	542	112	1581
Ripperger, Clemens M., assignor to Ohio Cultivator Company, Belleview, Ohio. Harrow-tooth fastener	749,226	Jan. 12	1388	296	108	338
Rippey, Thomas S. (See Hudlemeyer and Rippey.)						
Rippon, Henry, et al. (See Scott, James R., assignor.)						
Ripson, John D., East Pepperell, Mass. Casket	765,345	July 19	2900	605	111	664
Ripson, John D., Pepperell, Mass. Burial-casket	772,747	Oct. 18	3108	677	112	1667
Rischmuller, George, San Francisco, Cal. Door-opener. (Reissue)	12,270	Sept. 27	4004	847	112	947
Rischmuller, George, San Francisco, Cal. Door-opener. (See Carpenter, Henry A., assignor.)	772,060	Oct. 11	1707	380	112	1340
Risdon Iron & Locomotive Works. (See Barbour, Thomas J., assignor.)						
Rishel, John K., Williamsport, Pa. Table-lock	759,312	May 10	1501	302	110	363
Risk, Francis. (See McClelland, David H., assignor.)						
Risse, Emile, St. Louis, Mo. Non-refillable bottle	776,759	Dec. 6	594	129	113	1557
Risse, Emile, St. Louis, Mo. Non-refillable bottle	776,760	Dec. 6	595	129	113	1557
Risse, Emile, assignor of one-half to J. Clausen, St. Louis, Mo. Bottle-cap	769,021	Aug. 30	5981	1242	111	2434
Risser, John W. (See Knapp, Jeremiah R., assignor.)						
Risser, Phares N., Elizabethtown, Pa. Gate-latch	763,426	June 28	3636	781	110	2289
Ristine Company. (See Rowell, Benton C., assignor.)						
Ritchel, Charles F., Bridgeport, Conn., assignor of one-half to A. T. Free, New York, N. Y. Boat-propeller	760,758	May 24	4343	922	110	1023
Ritchel, Charles F., Bridgeport, Conn., assignor to International Perfect Electrical Supply Company. Trolley-pole	761,611	May 31	5997	1288	110	1408
Ritchie, Foster, Hampstead, England. Device for use with telautographs	765,441	July 19	3088	646	111	704
Ritchie, George M., assignor of one-half to J. C. Speirs, Ardmore, Pa. Carburetor	767,716	Aug. 16	3180	666	111	1782
Riter-Conley Manufacturing Company. (See Carpenter, Henry A., assignor.)						
Rites, Francis M., Ithaca, N. Y. Automatic regulating device for explosive or internal-combustion engines	773,339	Oct. 23	4443	942	112	1986
Ritscher, Joseph, Melbourne, Victoria, Australia. Adjustable throw-crank for cycles or other machines	778,147	Dec. 20	3339	733	113	2178
Ritsert, Eduard, and W. Epstein, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Alkylesters of 3-4-diamido-benzoic acid and making same	761,998	June 7	755		110	1608
Ritt, Edward A. (See Hoon, Paul, assignor.)						
Ritt, Edward A. (See Hoon and Ritt.)						
Ritter, Adam, Cincinnati, Ohio. Door	765,196	July 19	2605	544 545	111	600
Ritter, Edward E., Milton, Pa. Nozzle	772,827	Oct. 18	3298	706	112	1695
Ritter, Frank, Rochester, N. Y. Dental chair	762,066	June 7	905	187	110	1633
Ritter, Frederic W., Jr., Washington Grove, Md. Draft and buffing mechanism	757,841	Apr. 19	3261	707	109	2072
Ritter, Gilbert P., Chicago, Ill. Friction draft-gear	751,943	Feb. 9	2169	489 490	108	1540

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Ritter, Gilbert P., Chicago, Ill. Car-coupling	776,031	Nov. 29	5069	1070	113	1212
Ritter, Michael A., Carlisle, Ky. Cake-beater	774,697	Nov. 8	3216	483	113	508
Ritts, Charles H., Wausa, Nebr. Wrench	770,608	Sept. 20	2793	594	112	664
Ritts, Charles H., Wausa, Nebr. Vise	771,097	Sept. 27	3768	734	112	897
Ritz, August N., Milwaukee, Wis. Paste-receptacle	750,304	Jan. 26	3498	757	108	828
Ritzler, George A., Kenton, Ohio. Automatic railway-crossing	772,061	Oct. 11	1709	381	112	1340
Rively, John L., Primos, Pa. Rooking-horse	775,192	Nov. 15	3278	700	113	773
River, Joseph L., San Francisco, Cal. Sash-holder	764,305	July 5	792	162	111	175
Rivers, John W., Seattle, Wash. Cor. Stealer	768,483	Aug. 23	4802	1066	111	2164
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Forming stoppers, &c., from fibrous pulp	768,304	Aug. 23	4430	931	111	2077
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Apparatus for treating pulp-stock	768,805	Aug. 23	4432	932	111	2077
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Forming hollow pulp articles	768,306	Aug. 23	4437	932	111	2078
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Hollow pulp article	768,307	Aug. 23	4439	932	111	2078
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Machine for forming hollow pulp articles	768,308	Aug. 23	4440	933	111	2078
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Apparatus for forming hollow pulp articles	768,309	Aug. 23	4443	933	111	2079
Rivers, Julian H., assignor to United States Fiber Stopper Company, St. Louis, Mo. Forming hollow pulp articles	768,310	Aug. 23	4445	934	111	2080
Rivers, William E., Oldbridge, N. J. Tile	766,536	Aug. 2	785	165	111	1213
Rivett, Edward, Boston, Mass. Mechanism for changing rotary into reciprocating motion	774,496	Nov. 8	1842	399	113	429
Rivkin, Bert, New York, N. Y. Street or station indicator for tramways	760,759	May 24	4344	922	110	1023
Rix, Edward A., San Francisco, Cal. Lubricating device	768,820	Aug. 30	5506	1158	111	2334
Rix, Edward A., San Francisco, Cal. Engine valve-gear	772,535	Oct. 18	2675	588	112	1574
Rix, George K., (See Cary and Rix.)						
Rixson, Oscar C., assignor to Oscar C. Rixson Co., Chicago, Ill. Door-closing device	766,386	Aug. 2	481	103	111	1147
Rixson, Oscar C., Oakpark, assignor to Oscar C. Rixson Co., Chicago, Ill. Door-check	766,387	Aug. 2	486	104	111	1148
Roach, Finis E., Chicago, Ill. Thumb-support and root-brace for enamel-cleavers	749,881	Jan. 19	2608	576	108	638
Roach, John, and J. Jackson, Assumption, Ill. Plow	759,918	May 17	2680	563	110	637
Roach, William F., New York, N. Y. Rotary engine	751,872	Feb. 9	3027	459	108	1509
Roadhouse, Norman F., assignor to McGregor Automatic Boiler Feed Company, Detroit, Mich. Automatic boiler-feeder	775,683	Nov. 22	4374	923	113	1041
Roadhouse, Norman F., assignor to E. K. Brown, Boston, and L. A. Wheeler, Woburn, Mass. Automatic boiler-feeder	768,542	Aug. 23	4926	1051	111	2191
Roake, John S., Brooklyn, N. Y. Soap-holder	757,638	Apr. 19	2876	628	109	1369
Roake, John S., New York, N. Y. Boiler-furnace	770,964	Sept. 27	3538	746	112	849
Roan, J. E., (See Gilmer, William A., assignor.)						
Roanoke Mathometer Company. (See Martin, Joseph H., assignor.)						
Robatzek, Gottlieb, Wilkensburg, Pa. Bottle	759,014	May 3	852	173	110	196
Robb, Aaron B., (See Douden and Robb.)						
Robb, David W., Amherst, Mass. Steam-boiler	755,046	Mar. 22	3624	795	109	844
Robb, Lewis J., assignor to Heyl & Patterson, Incorporated, Pittsburg, Pa. Car-haul	777,747	Dec. 20	2511	554		
Robb, Lewis J., assignor to Heyl & Patterson, Inc., Pittsburg, Pa. Feeder for belt conveyers	778,461	Dec. 27	3984	867	113	2010
Robb, Lewis J., Pittsburg, and F. W. Harris, Allegheny, assignors to Heyl & Patterson, Pittsburg, Pa. Speed-controller for car-hauls	764,633	July 12	1821	310	111	349
Roberts, Jane, San Francisco, Cal. Appliance for drafting garments	748,792	Jan. 5	435	99	108	97
Robbins, Alfred L., Oakpark, Ill. Bracket for universal stands or supports	757,498	Apr. 19	2572	564	109	1920
Robbins, Edwin T., Springfield, Mass. Spring-wheel	772,374	Oct. 18	2358	517	112	1506
Robbins, George B., (See Sharp, William E., assignor.)						
Robbins, Haman R., (See Gwyn, Traylor, and Robbins.)						
Robbins, Ira, Philadelphia, Pa. Machine for making tags	771,747	Oct. 4	1021	227	112	1177
Robbins, Josiah S., Allentown, N. Y. Potato-digger	771,800	Oct. 4	1143	255	112	1203
Robbins, Meyer L., assignor to Untermeyer, Robbins Company, New York, N. Y. Finger-ring	774,781	Nov. 15	2428	524	113	579
Robbins, Silas, Omaha, Nebr. Fishing-tackle	754,892	Mar. 15	3348	731	109	765
Robburts, George W., assignor of one-half to M. C. and H. H. Lemaster, Granbury, Tex. Baling-press	754,093	Mar. 8	1747	388	109	400
Robby, William C., (See Rumely and Robby.)						
Roberge, Oscar P., and J. J. Brabant, La Crosse, Wis. Tool-holder	752,863	Feb. 23	3948	885	108	1970
Roberson, William A., Louisville, Ky. Portable laundry	748,986	Jan. 5	850	182	108	197
Robert, Frank, Jr., (See Bourget and Robert.)						
Robert, Samuel, New York, N. Y. Match-case	754,707	Mar. 15	3009	657	109	691
Roberti, Josef H., Maastricht, Netherlands. Machinery for separating impurities from granular or like substances	756,285	Apr. 5	184	38	109	1383
Roberts, Albert G., Peterborough, Canada. Car-fender	756,411	Apr. 5	446	92	109	1488
Roberts, Anderson P., and W. M., Columbia, Tenn. Pneumatic stacker	755,940	Mar. 20	5338	1178	109	1234
Roberts, Burmah L., (See Roberts, George W., assignor.)						
Roberts, Caroline A., (See Roberts, William E., assignor.)						
Roberts, Chandler Y., Caradon, Tex. Churn	763,636	June 23	3988	869	110	2365
Roberts, Charles A., (See Porter, Albert L., assignor.)						
Roberts, Charles A., Hartford, Conn. Educational cards	776,689	Dec. 6	450	100	113	1527
Roberts, Charles O., Philadelphia, N. Y. Adjustable chair-back	768,311	Aug. 23	4447	934	111	2080
Roberts, David, and J. Lawson, Grantham, England. Sheaf binding or trussing mechanism	774,894	Nov. 15	2662	572	113	629
Roberts, David, C. James, and J. W. Young, Grantham, England. Internal-combustion engine	770,988	Sept. 20	2387	504	112	574
Roberts, David B., St. Joseph, Mo. Fish-trap	748,654	Jan. 5	196	47	108	44
Roberts, Dugald H., Detroit, Mich., assignor to Automatic Pressure Feed Lubricator Company, Los Angeles, Cal. Pressure sight-feed lubricator	756,286	Apr. 5	185	38	109	1383
Roberts, Edmund S., New York, N. Y. Rubber tire	764,009	July 5	183	32	111	44
Roberts, Elbridge C., Redbank, N. J. Steam-generator	752,301	Feb. 16	2857	635	108	1713
Roberts, Elvis C., Holdenville, Ind. Ter. Check-row attachment for corn-planters	769,835	Sept. 13	1343	287	112	322
Roberts, Ezekiel M., Atlanta, Ga. Beverage	775,249	Nov. 15	3440	109	113	817
Roberts, Frank C., Philadelphia, Pa. Joint for brickwork of furnaces, &c.	758,852	May 3	532	109	110	127
Roberts, Frederick A., Somerville, Mass. Bolt-clipper	769,357	Sept. 6	440	98, 99	112	97

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Roberts, Frederick O., Melvern, Kans. Belt-jack	771,831	Oct. 11	1211	269	112	1233
Roberts, George W., assignor of one-half to B. L. Roberts, Lemoore, Cal. Cultivator	763,334	June 21	3367	731	110	3211
Roberts, George W., Laanna, assignor of one-half to W. W. Nuss, Philadelphia, Pa. Knob-fastening	768,952	Aug. 30	5783	1216	111	2400
Roberts, Henry, Omaha, Nebr. Metallic packing	755,810	Mar. 2	1189	267	109	256
Roberts, Henry P., New York, N. Y. Siphon	755,941	Mar. 20	5342	1178	109	1235
Roberts, Horace L., assignor to A. G. Mackay, New York, N. Y. Clamp	760,151	May 17	3153	659	110	743
Roberts, Isaiah L., New York, N. Y., assignor to Economic Electric Company. Electric battery	771,498	Oct. 4	546	123	112	1074
Roberts, Isaiah L., assignor of one-half to J. T. Morehead, New York, N. Y. Production of metallic magnesium	778,270	Dec. 27	3592	785	113	2251
Roberts, James T., assignor of one-half to S. O. Roberts, Claremont, Colo. Weather-strip for windows	755,552	Mar. 22	4537	1010	109	1038
Roberts, Jay L., Montpelier, Ind. Exercising apparatus	775,989	Nov. 29	4995	1052	113	1190
Roberts, Jessie M., Bell, Fla. Planter	770,609	Sept. 20	2794	594	112	664
Roberts, John G., Detroit, Mich., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system	777,544	Dec. 13	2114	464	113	1908
Roberts, Kenneth A., et al. (See Alexander, John H., assignor.)						
Roberts, Lee, Watkins, N. Y. Cutting-nippers	760,807	May 24	4445	946	110	1044
Roberts, Lewis A., Carbondale, Pa. Mixing and kneading machine	756,144	Mar. 29	5704	1259	109	1313
Roberts, Lyman R., Detroit, Mich., assignor to Yost Writing Machine Company, Illon, N. Y. Type-writing machine	776,259	Nov. 29	5502	1165	113	1310
Roberts, Milton A., Battlecreek, Mich. Wall-paper-pasting machine	777,433	Dec. 13	1805	417	113	1862
Roberts, Oscar L., assignor to R. M. Harlan, Stockport, Iowa. Sawing-machine	771,209	Sept. 27	3088	844	112	943
Roberts, Percy M. (See Trefny, Charles W., assignor.)						
Roberts, Peter R., Pittsburg, Pa. Torpedo-cane	767,440	Aug. 16	2645	536	111	1662
Roberts, Robert H., San Antonio, Tex. Switch-point shifter	764,867	July 12	1990	410	111	452
Roberts, Samuel O. (See Roberts, James T., assignor.)						
Roberts, Solomon W., Hartsboro, Ala. Buoy	758,218	Apr. 26	3098	868	109	2253
Roberts, Thomas P., et al. (See Kehr, Cyrus, assignor.)						
Roberts, William B., et al. (See Tower, William G., assignor.)						
Roberts, William B., Ashabula, Ohio. Grab-bucket	760,250	May 17	3333	701	110	784
Roberts, William E., assignor to C. A. Roberts, Rochester, N. Y. Bed	760,152	May 17	3155	659	110	744
Roberts, William E., assignor to Peerless Bed Rest Company, Rochester, N. Y. Bed attachment	760,153	May 17	3156	659	110	744
Roberts, William M. (See Roberts, Anderson P. and W. M.)						
Roberts, William M., Newport News, Va. Cigar-cutter	750,395	Jan. 26	3499	757	108	828
Roberts, William T., and W. H. Riley, East Liverpool, Ohio. Gas-burner	769,568	Sept. 6	834	178	112	188
Robertshaw, Arthur L., Philadelphia, Pa. Burling or perching roll	776,360	Nov. 29	5506	1165	113	1311
Robertshaw, Frederick W., Pittsburg, Pa. Thermostat and reversing-valve	761,402	May 31	5636	1200	110	1321
Robertshaw, Jesse, Heckmondwike, England. Circle-comb	774,895	Nov. 15	2664	573	113	629
Robertson, Alexander. (See Frost and Robertson.)						
Robertson, Alexander R., Pass Christian, Miss. Bottle-seal	755,047	Mar. 22	3626	796	109	844
Robertson, Archibald J., Chicago, Ill. Wheel	760,448	May 17	3507	738	110	823
Robertson, Archibald J., Chicago, Ill. Wheel	760,349	May 17	3509	738	110	823
Robertson, Duncan, Detroit, Mich. Painting-machine	778,709	Dec. 27	4429	970	113	2433
Robertson, Edd H. (See Byers, James J., assignor.)						
Robertson, Elisa E., New York, N. Y. Belt-holder	750,222	Jan. 19	3339	721	108	773
Robertson, Elisa E., New York, N. Y. Bed attachment	755,099	Mar. 29	4941	1076	109	1123
Robertson, George, Toledo, Ohio. Sound-box	764,868	July 12	1991	410	111	452
Robertson, James, Maheno, New Zealand. Ditch-plow	774,200	Nov. 8	1298	276	113	310
Robertson, James P., North Sydney, near Sydney, New South Wales, Australia. Thermostat for electric circuits	777,046	Dec. 6	1172	256	113	1688
Robertson, John, London, England. Single-trigger mechanism for drop-down guns	756,896	Apr. 12	1363	303	109	1649
Robertson, John A., assignor, by mesne assignments, to Rochester Optical Company, Rochester, N. Y. Photographic view-finder	754,893	Mar. 15	3349	732	109	766
Robertson, John C., Afton, Iowa. Envelop-opening machine	766,388	Aug. 2	488	104	111	1148
Robertson, Peter. (See Dawson, Robertson, and Bradshaw.)						
Robertson, Peter. (See Matson and Robertson.)						
Robertson, Thomas, and E. L. Middlebrook, Minneapolis, Minn. Means for attaching glass panes to their frames	773,678	Nov. 1	278	63	113	66
Robertson, Thomas J. (See Haneke, Louis, assignor.)						
Robertson, Thomas J., Oakhill, and L. Haneke, Eureka Springs, Ark. Nut-lock	776,351	Nov. 29	5668	1200	113	1348
Robertson, William, Chicago, Ill. Coaling-station	758,191	Apr. 26	3945	857	109	2242
Robertson, William A., Alameda, and D. P. Heap, San Francisco, Cal.; said Heap assignor to said Robertson. Acetylene-gas generator	754,808	Mar. 15	3187	695	109	730
Robertson, William H. (See Draper and Robertson.)						
Robertson, William H., Austin, Tex., assignor, by mesne assignments, of one-fourth to W. G. Henderson, Washington, D. C., and Arithmo-Game Board Company. Device for educational, amusement, or other purposes	771,394	Oct. 4	340	75	112	1032
Robertson, William P., Bronxville, N. Y. Electric safety apparatus for cars or trains	774,896	Nov. 15	2665	573	113	630
Robertson, William T. S. (See Allison and Robertson.)						
Robin, Jacob I., Chicago, Ill. Apparatus for manufacturing illuminating-mantles	761,715	June 7	189	36	110	1480
Robinette, Albert H., Fostoria, Ohio. Gunpowder	761,403	May 31	5637	1200	110	1322
Robins Conveying Belt Company. (See Baldwin, Clarence K., assignor.)						
Robins Conveying Belt Company. (See Baldwin and Ticknor, assignors.)						
Robins Conveying Belt Company. (See Humphreys, James B., assignor.)						
Robins Conveying Belt Company. (See Moss, Lincoln, assignor.)						
Robins Conveying Belt Company. (See Ticknor and Baldwin, assignors.)						
Robins, William H., and J. F. Jacoby, assignors to American Bank Protection Co., Minneapolis, Minn. Electric time-alarm	771,748	Oct. 4	1027	229	112	1178
Robins, William H., and J. F. Jacoby, assignors to American Bank Protection Co., Minneapolis, Minn. Burglar-alarm	771,749	Oct. 4	1031	230	112	1179
Robinson, Aaron J., Fremont, N. H. Grinding-mill	750,701	Jan. 26	4235	919	108	985
Robinson, Aaron J., Fremont, N. H. Grinding-mill	750,895	Feb. 2	221	49,50	108	1106
Robinson, Albert E. (See Leair and Robinson.)						
Robinson, Alfred, Pittsburg, Pa. Car-fender	764,255	July 5	696	141	111	154
Robinson, Archie D., Pittsfield, Mass. Memorandum-pad	773,594	Nov. 1	115	24	113	31

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Robinson, Arthur D., St. Louis, Mo. Apparatus for drying eggs	757,347	Apr. 12	2270	495 496 234 235 236 237	109	1843
Robinson, Arthur S. F., Beccles, England. Wheel for vehicles	762,196	June 7	1100	337	110	1678
Robinson, Charles H., Huntsville, Tex. Releasing valve-gear for Corliss engines	749,882	Jan. 19	2701	577	108	638
Robinson, Chester. (See Palmer, Henry J., assignor.)						
Robinson, Clarence. (See Kunkel and Robinson.)						
Robinson, Cory E., Joliet, Ill. Yielding bearing for centrifugal machines	771,395	Oct. 4	347	77	112	1033
Robinson, Cyrus, Edgewood Park, Pa., assignor to Westinghouse Machine Company.	757,499	Apr. 19	2574	565	109	1920
Oil-pumping apparatus	773,898	Nov. 1	731	156	113	168
Robinson, Cyrus, Edgewood Park, Pa., assignor to Westinghouse Machine Company.						
Speed-adjusting device for fluid-pressure engines	758,020	Apr. 19	3610	781	109	2150
Robinson, Cyrus, New York, N. Y., assignor to Westinghouse Machine Company. Speed-governor	774,277	Nov. 8	1436	307	113	340
Robinson, Daniel, Boston, Mass. (See Lodge, Muirhead, and Robinson.)						
Robinson, Edward T., assignor to St. Louis Car Company, St. Louis, Mo. Sliding-door guide	768,312	Aug. 23	4448	934	111	2081
Robinson, Edward W., New York, N. Y. Brake-shoe	764,306	July 5	793	162	111	175
Robinson, Eugene M., Chicago, Ill. Railway switch-stand operating point-locks and distant signals	759,634	May 10	2128	438	110	499
Robinson, Eugene M., Chicago, Ill. Phonograph	778,271	Dec. 27	3594	786	113	2251
Robinson, Eugene M., Chicago, Ill. Railway-switch stand operating a point-lock and distant signal	778,336	Dec. 27	3718	811 812 813	113	2277
Robinson, Eugene M., Chicago, assignor to himself, and W. H. Finley, Winnetka, Ill. Variable-power lifting-jack	756,982	Apr. 12	1533	337 338	109	1683
Robinson, Forster, Sistersville, W. Va. Air-valve for oil-tanks, &c.	763,115	June 21	2064	639	110	2121
Robinson, Forster, Sistersville, W. Va. Gage pole or rod	776,426	Nov. 29	5811	1230	113	1382
Robinson, Frank E., New York, N. Y. Adjustable binder for leaves or sheets	773,225	Oct. 25	4218	892	112	1938
Robinson, Frank M., Allentown, Pa. Pencil-sharpener	756,287	Apr. 5	187	38	109	1384
Robinson, Frank W., assignor of one-half to O. B. Wetherhold, Reading, Pa. Stocking-top-cutting machine	751,560	Feb. 9	1435	326	108	1383
Robinson, Frederic L., Cheyenne, Wyo. Relief-valve for locomotive-cylinders	775,250	Nov. 15	3441	727	113	817
Robinson, Frederick C., Farmington, Me. Electric block system	750,233	Jan. 19	3340	722	108	773
Robinson, Freeman C., and J. E. Green, Council Bluffs, Iowa. Burglar-alarm	754,391	Mar. 8	2341	511	109	527
Robinson, George E., Canastota, N. Y. Toy jack-o'-lantern	764,307	July 5	618	123	111	138
Robinson, Glenn A., Geneseo, Ill. Hog-ringer	757,054	Apr. 12	1685	366	109	1717
Robinson, Harry S., Toledo, Ohio. Steam-cooker	762,440	June 14	1606	350	110	1806
Robinson, Henry A., Akron, Ohio. Sewer-pipe-inverting device	761,404	May 31	5637	1201	110	1322
Robinson, Henry H., Des Moines, Iowa. Folding carriage-top	768,543	Aug. 23	4929	1032	111	2121
Robinson, Houghton B., Pittsburg, Pa., assignor to Pittsburg Valve, Foundry and Construction Company. High-pressure valve	763,694	June 28	4111	896	110	2392
Robinson, Hugh C., London, England. Drawing appliance	771,607	Oct. 4	880	198 199	112	1147
Robinson, James, Leeds, England. Stop-valve	762,608	June 21	3169	679	110	2166
Robinson, James W., New York, N. Y., assignor to A. Faber du Faur, Jr., and J. A. Brown, Newark, N. J. Tool for cutting rivets	760,154	May 17	3158	660	110	745
Robinson, John B. (See Smith, Hosea D., assignor.)						
Robinson, John B. (See Smith and Robinson.)						
Robinson, John E. (See Sloan and Robinson.)						
Robinson, John F., Rockaway, N. J. Horseshoe-pad	752,468	Feb. 16	3172	707	108	1781
Robinson, Jonathan J., Bloomsburg, Pa. Bedstead	767,501	Aug. 16	2784	531	111	1694
Robinson, Joseph H., assignor to F. Burgess, Quincy, Mass. Steering device	778,710	Dec. 27	4432	970	113	2434
Robinson, Josiah M., Hastings, Nebr. Fly-excluding attachment for screen-doors	767,441	Aug. 16	2647	556	111	1662
Robinson, Laurence B., Cooper, Tex. Bale-band tie	778,801	Dec. 27	4607	1006	113	2472
Robinson, Lawrence E., and P. E. Daubenspeck, Butler, Pa. Packer for deep wells	764,709	July 12	1789	366	111	408
Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Electrical measuring instrument	751,015	Feb. 2	429	102	108	1152
Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Power-factor indicator	767,764	Aug. 16	3260	685 686	111	1801
Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Recording apparatus for electric waves	768,953	Aug. 30	5784	1216	111	2400
Robinson, Lynn D., Binghamton, N. Y. Power-transmitting mechanism	774,732	Nov. 15	2429	524	113	579
Robinson, Mark H. (See McMullen and Robinson.)						
Robinson, Nathaniel S. (See Hoffmann, Albert von, assignor.)						
Robinson, Perl J. (See Dressler and Robinson.)						
Robinson, Ralph. (See Brewington, Henry S., assignor.)						
Robinson, Ralph C. (See Wood and Robinson.)						
Robinson, Richard, Pittsburg, Pa., assignor of two-thirds to C. E. Brown Company. Re-fining furnace	765,323	July 19	2846	595 596	111	652
Robinson, Sylvanus E., Buffalo, N. Y. Water-regulating device for bath-tubs	767,662	Aug. 16	3088	646	111	1762
Robinson, Theodore D., Albany, N. Y. Device for moving sheets of paper	761,104	May 31	5061	1075	110	1195
Robinson, Theodore D., Albany, and R. D. Viele, Amsterdam, assignors to themselves, and E. M. Walker, Troy, N. Y. Folding-machine	776,427	Nov. 29	5813	1231	113	1382
Robinson, Thomas Hyatt, New York, N. Y. Machine for planking felt hats	761,716	June 7	190	36	110	1480
Robinson, Wade, New York, N. Y. Mucilage-cup	752,591	Feb. 16	3404	759	108	1834
Robinson, Walter W., Chicago, Ill. Rotary pump	767,442	Aug. 16	2649	557	111	1663
Robinson, Walter W., assignor, by mesne assignments, to Friedman Automobile Company, Chicago, Ill. Motor-vehicle	765,254	July 19	2703	563	111	621
Robinson, Walter W., assignor, by mesne assignments, to Friedman Automobile Company, Chicago, Ill. Vehicle	767,529	Aug. 16	2835	592 593	111	1705
Robinson, Warren J., Hudson, N. Y. Plow-wheel scraper	773,595	Nov. 1	116	24	113	32
Robinson, Willard E., Malden, Mass. Soap-receptacle	755,700	Mar. 29	4843	1077	109	1123
Robinson, William, Boston, Mass. Braking and clutching mechanism	752,262	Feb. 16	2780	617	108	1697
Robinson, William, Kansas City, Kans. Veterinary speculum	773,032	Oct. 25	3669	791	112	1808
Robinson, William D., Traverse City, Mich. Speed-gear	773,236	Oct. 25	4219	892	112	1938
Robinson, William J., Denver, Colo. Speed-gear	773,237	Oct. 25	4221	893	112	1938
Robinson, William J., Avon, S. D. Draft-equalizer	775,312	Nov. 22	3570	753	113	863
Robinson, William T., and J. Casey, Mokelumne Hill, Cal. Elevator safety-stop	775,608	Nov. 22	4217	888	113	1008
Robinson, William V., Detroit, Mich. Grinding or polishing machine	764,151	July 5	474	93,94	111	103
Robinson, William V., Detroit, Mich. Grinding-machine	765,197	July 19	2607	545	111	600
Robinson, William V., Detroit, Mich. Grinding and polishing machine	765,198	July 19	2609	545	111	601
Robinson, William V., Detroit, Mich. Grinding and polishing machine	765,199	July 19	2612	546	111	602

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Robion, Emile, Puteaux, France. Changeable-speed gearing	762,087	June 7	908	188	110	1634
Robion, Emile, Puteaux, France. Motor-cycle	778,148	Dec. 20	3344	733	113	2180
Robischon, Herbert, Utica, N. Y. Catch-basin for sink-outlets	774,201	Nov. 8	1299	276	113	310
Robison, George E., Locke, N. Y. Mail-box	753,163	Feb. 23	4542	1012	108	2102
Robitschek, Rudolf, Vienna, Austria-Hungary. Surgical bandage and material for making same	776,087	Nov. 29	5171	1092	113	1233
Roblyer, William W., Little River, Kans. Change-maker	771,326	Oct. 4	2079	46, 47	112	1006
Robson, Robert S., Somerville, and H. C. Blackmer, Melrose, Mass., assignors to Clarke Loose Leaf Book Company, Kittery, Me. Loose-leaf binder	764,502	July 5	1219	250	111	267
Robson, Robert S., Somerville, and H. C. Blackmer, Melrose, Mass., assignors to Clarke Loose Leaf Book Company, Kittery, Me. Binder	770,821	Sept. 27	3231	681	112	779
Robson, Robert S., Somerville, and H. C. Blackmer, Melrose, Mass., assignors to Clarke Loose Leaf Book Company, Kittery, Me. Making paper for detachable or other leaves of books	778,377	Dec. 27	3909	831	113	2297
Robson, William, Kelso, Scotland. Shackle	766,095	July 26	4325	927	111	980
Roby, George L., assignor to Stoddard Manufacturing Company, Dayton, Ohio. Hay-tedder	754,166	Mar. 8	1869	417	109	429
Roby, George L., assignor to Stoddard Manufacturing Company, Dayton, Ohio. Grain-drill	754,167	Mar. 8	1874	417	109	430
Roby, Luther E., Peoria, Ill. Grain-drill	757,771	Apr. 19	3138	683	109	2446
Roby, Luther E., Peoria, Ill. Feed for seeding-machines	770,245	Sept. 13	2090	439	112	406
Roche, David, Ealing, England. Coupling for railway or other vehicles	764,152	July 5	478	94, 95	111	103
Roche, James T., Jr. (See Matthews, Jarvis W., assignor.)						
Roche, John, Meigs, assignor of three-fifths to G. A. Hancock, Springfield, and E. L. Thiesers, St. Louis, Mo. Floating water-filter	763,325	June 21	3368	731	110	2211
Roche, John, Monett, assignor of three-fifths to G. A. Hancock, Springfield, and E. L. Thiesers, St. Louis, Mo. Filtering-boat	768,326	June 21	3369	731	110	2211
Roche, John, Monett, assignor of three-fifths to G. A. Hancock, Springfield, and E. L. Thiesers, St. Louis, Mo. Floating water-filter	763,327	June 21	3370	732	110	2211
Roche, William, Jersey City, N. J. Ignition-plug for explosive-engines	770,927	Sept. 27	3432	724	112	823
Roche, William, Jersey City, N. J. Electric cigar-lighter	772,963	Oct. 25	3523	763	112	1778
Rocheport, Octave, assignor of one-half to La Société Anonyme d'Electricité et d'Automobiles Mors, Paris, France. Telegraphic receiving system by means of Hertzian waves	773,340	Oct. 25	4445	942	112	1987
Rochester Bunting Apparatus Company (See Warren, Marion, assignor.)						
Rochester Optical Company. (See Hutchings, Charles E., assignor.)						
Rochester Optical Company. (See Robertson, John A., assignor.)						
Rochford, Mark D., Los Angeles, Cal. Well	767,443	Aug. 16	2650	537	111	1663
Rochlitz, William, Chicago, Ill. Water-distilling apparatus	771,832	Oct. 11	1212	269	112	1233
Rochoy, Ferdinand J., Brooklyn, N. Y., assignor of three-fourths to A. F. Lucas, Washington, D. C. Explosive-engine	776,800	Dec. 6	675	149	113	1575
Rock, Hubert J. (See Linder and Reich, assignors.)						
Rock, Hubert J., Milwaukee, Wis. Air-pump	764,821	July 12	1904	390	111	432
Rock Island Plow Company. (See Benner, Lorenzo D., assignor.)						
Rock, Jasper A., San Francisco, Cal. Shackle for marine purposes	765,513	July 19	3240	678	111	736
Rock, Sally, Morrisville, N. Y. Churn	771,987	Oct. 11	1441	325	112	1280
Rockafellow, John W., Sergeantsville, N. J. Trolley	774,534	Nov. 8	1911	415	113	442
Rockdale Powder Company. (See Davies, Leyshon, assignor.)						
Rockford Frame & Fixture Company. (See Mann, Albert W., assignor.)						
Rockman, Henry, Allison township, Lyon county, Iowa. Ground-marking device for corn-planters	749,581	Jan. 12	2112	440	108	495
Rockman, Soren C., Philadelphia, Pa. Automobile	775,150	Nov. 15	3190	681	113	751
Rockstadt, Abraham, Mount Morris, Wis. Bob-sleigh attachment	755,942	Mar. 29	5343	1179	109	1235
Rockstroh, Charles F., Brooklyn, N. Y., assignor to Rockstroh Manufacturing Company. Printing-plate holder	750,395	Jan. 26	3661	796	108	866
Rockstroh Manufacturing Company. (See Rockstroh, Charles F., assignor.)						
Rockstroh, Wilhelm M., Klein-Sedlitz, near Pirna, Germany. Engaging and disengaging device for platen printing-presses	751,873	Feb. 9	2030	450	108	1510
Rockstroh, Wilhelm M., Klein-Sedlitz, near Pirna, Germany. Printing-block	758,740	Mar. 1	1006	229	109	216
Rockstroh, Wilhelm M., Klein-Sedlitz, near Pirna, Germany. Platen printing-press	756,802	Apr. 5	1170	260	109	1594
Rockstroh, Wilhelm M., Heidenau, near Dresden, Germany. Safety device for presses	756,801	Apr. 5	1169	259	109	1594
Rockwell, Byrd C., Perla, Ark. Corner-clamp for window-screens	770,780	Sept. 27	3132	664	112	756
Rockwell, Edward D., Bristol, Conn. Trolley-harp	748,987	Jan. 5	852	183	108	197
Rockwell, Edward D., assignor to Liberty Bell Company, Bristol, Conn. Fish-line reel	757,964	Apr. 19	3491	757	109	2124
Rockwell, Edward D., assignor to Liberty Bell Company, Bristol, Conn. Trolley-harp	770,113	Sept. 13	1835	388	112	431
Rockwell, George W., Horseheads, N. Y. Extension window-screen	758,021	Apr. 19	3612	781	109	2151
Rockwell, Herbert O., et al. (See Mead and Mackie, assignors.)						
Rockwell, Joseph H., Providence, R. I. Folding music-rack	754,502	Mar. 15	2605	566	109	605
Rockwell, Olin S., Euclid, and S. E. Horton, assignors to E. Horton & Son Company, Windsor Locks, Conn.	755,946	Mar. 22	3980	883	109	918
Rockwood, Aaron W. (See McCarter and Rockwood.)						
Rockwood, Charles B., assignor to Michigan Wheelbarrow & Truck Co., Saginaw, Mich. Wheelbarrow-tray	776,088	Nov. 29	5173	1092	113	1234
Rockwood, George L., Worcester, Mass. Apparatus for maintaining the water-line in steam-boilers	770,314	Sept. 20	2259	473	112	546
Rod, Alfred J., assignor to H. Choren, Ste. Croix, Switzerland. Device for mechanically substituting one disk for another in music-pieces	749,826	Jan. 19	2603	556	108	617
Rodé-Stucky, Charles, La Chaux-de-Fonds, Switzerland. Stem winding and setting mechanism for watches	754,171	Mar. 8	1681	419	109	431
Rodefild, August and A. H. Jr. (See Rodefild, August and A. H., Jr.)						
Rodefild, August H., Jr. (See Rodefild, August and A. H., Jr.)	766,944	Aug. 9	1490	312	111	1391
Rodehaver, Jesse C. (See Hannan and Rodehaver.)						
Rodehaver, Oscar F., Pittsburg, assignor of one-half to D. C. White, Wilksburg, Pa. Steam-engine	771,176	Sept. 27	3268	829	112	932
Rödelstab, Karl, Bruchsal, Germany. Appliance for opening or shutting windows	770,315	Sept. 20	2261	473	112	546
Rödelstab, Karl, Bruchsal, Germany. Skylight or transom lifter	770,316	Sept. 20	2262	474	112	546
Rodemeyer, Henry F. (See Kadel and Rodemeyer.)						
Roden, Samuel A., New Brighton, Pa. Jar-fastener	757,683	Apr. 19	2964	645	109	2008
Roderberg, Milton S., New York, N. Y. Expansive bracelet	757,772	Apr. 19	3142	683	109	2047
Roder, Edwin G., Chester, Pa. Salvage-forming attachment for looms	754,940	Mar. 8	2021	449	109	461
Roderick Loan Manufacturing Company. (See Goss, George W. and C. E., assignors.)						
Roderwald, Otto, Chicago, Ill. Liquid-cooler	749,325	Jan. 12	1588	336	108	389

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Rodger Ballast Car Company. (See Hart and Meissner, assignors.)						
Rodger Ballast Car Company. (See Meissner, Otto W., assignor.)						
Rodgers, Charles B., Bordentown, N. J. Soldering-iron.	761,010	May 24	4829	1025	110	1127
Rodler, Ed. (See Schroeffer, Casper, assignor.)						
Rodman, George G., Washington, Iowa. Device for grouping photographs.	760,922	May 24	4666	993	110	1091
Rodney, Mathew, Iowa Falls, Iowa. Fastener for sashes or similar devices.	760,350	May 17	3510	738	110	823
Rodocker, Ananias, Massillon, Ohio. Cultivator attachment.	756,983	Apr. 12	1537	339	109	1684
Rodriguez, Manuel R., Brooklyn, N. Y. High-tension therapeutic electrode.	752,419	Feb. 16	3093	686	108	1763
Roe, Harry D., Augusta, N. J. Curtain-securing device.	773,264	Oct. 25	4291	907	112	1953
Roe, James A., Patchogue, N. Y. Angle tape-measure.	759,313	May 10	1502	302	110	363
Roe, Kathryn C., Chicago, Ill. Punching-bag attachment.	770,869	Sept. 27	3313	699	112	796
Roe, Noble H., Marceline, Mo. Nut-locks.	761,105	May 31	5064	1075	110	1166
Roebuck, Alvah C., and F. McMillan, Chicago, Ill. Carbureter.	772,673	Oct. 18	2938	645	112	1630
Roedde, Gustav A., Vancouver, Canada. Loose-leaf binder.	749,582	Jan. 12	2113	441	108	495
Roedel, Clarence H., assignor to E. J. Jeitles, Philadelphia, Pa. Apparatus for producing artificial fountains without water.	756,528	Apr. 5	659	142	109	1481
Roedel, William R., et al. (See Voltz and Suman, assignors.)						
Roeh, Max, Denison, Iowa. Wagon-bed thermometer.	777,223	Dec. 13	1494	390	113	1773
Roehm, Louis, and P. Walter, Chicago, Ill. Fire-kindler.	774,109	Nov. 1	1140		113	258
Roehrich, Frank N., Brooklyn, N. Y. Electric fan.	757,773	Apr. 19	3143	683	109	2048
Roehrich, Frank N., New York, N. Y. Fan.	757,774	Apr. 19	3146	684	109	2049
Roelofson, William J., assignor of one-half to W. E. Belter, Kansas City, Mo. Excavating-machine.	758,781	May 3	400	80,81	110	98
Roenigk, Albert E., Wilkinsburg, Pa. Cutting and trimming machine.	757,228	Apr. 12	2018	439	109	1790
Roenius, Edmund, Grand Rapids, Wis. Chute.	773,596	Nov. 1	117	24	113	32
Roentgen Manufacturing Company. (See Kelly, Edwin W., assignor.)						
Roentgen Manufacturing Company. (See Snook, Homer C., assignor.)						
Roepper, Charles W. (See Harmon, Willis E., assignor.)						
Roepper, Charles W., Germantown, Pa., and W. E. Harmon, Mechanic Falls, Me., assignors to American Electrolytic Company. Apparatus for mercurial alkaline processes.	771,833	Oct. 11	1213	270	112	1234
Roes, William H., Philadelphia, Pa. Tool-motor.	765,100	July 12	2423	507	111	544
Roesch, Alfred, Bridgeport, Conn., assignor to Davis & Roesch Temperature Controlling Company, New York, N. Y. Air-vent.	759,472	May 10	1819	367	110	433
Roesch, Alfred, Bridgeport, Conn., assignor to Davis & Roesch Temperature Controlling Company, New York, N. Y. Air-vent.	764,822	July 12	1905	391	111	433
Roeseler, Moritz, Berlin, Germany, and A. Schaer, Holland, Mich. Making sugar from beets.	770,700	Sept. 20	2976		112	705
Roever, Julius, New York, N. Y., and S. S. Baldwin, Philadelphia, Pa. Picture-exhibitor.	751,561	Feb. 9	1438	326 327	108	1394
Roff, Christopher A. (See Kemper, George L., assignor.)						
Roger, John, Denver, Colo., assignor of one-half to T. Edwards, Ballarat, Victoria, Australia. Furnace-feeder.	770,701	Sept. 20	2978	633	112	705
Roger, Jules, Monceaux, near Lisieux, France. Stopping device for sparking liquids.	749,749	Jan. 19	2461	524	108	586
Rogers, Louis F., et al. (See Prevost, Magnus, assignor.)						
Rogers, Alonzo C., Toledo, Ohio. Metal traction-wheel.	748,798	Jan. 5	445	99	108	100
Rogers, Charles, Pittsburg, Pa. Cam-movement for valves.	753,631	Mar. 1	786	175	109	171
Rogers, Charles A., assignor of one-half to E. J. Ill, Des Moines, Iowa. Vertical spindle attachment for milling-machines.	771,499	Oct. 4	547	123	112	1074
Rogers, Charles L., Berwick, Pa., assignor to American Car & Foundry Company, St. Louis, Mo. Tank-car.	763,116	June 21	2965	640	110	2121
Rogers, Charles S., Hot Springs, Ark. Gas-machine.	766,527	Aug. 2	786	165	111	1213
Rogers, Charles S., Hot Springs, Ark., assignor to Convertible Cane Seat Manufacturing Company, St. Louis, Mo. Combined cane and folding stool.	767,245	Aug. 9	2279	477	111	1564
Rogers, Charles S., Hot Springs, Ark., assignor to Convertible Cane Seat Manufacturing Company, St. Louis, Mo. Combined cane and stool.	767,246	Aug. 9	2280	477	111	1565
Rogers, Christopher G., Brooklyn, N. Y. Umbrella.	776,352	Nov. 29	5670	1200	113	1348
Rogers, Christopher L., East Cleveland, assignor, by mesne assignments, of one-half to A. Hill, Cleveland, Ohio. Tool for cutting buttonholes.	756,803	Apr. 5	1171	260	109	1594
Rogers, Clarence C. (See McDermott and Rogers.)						
Rogers, Enoch S., Philadelphia, Pa. Cap.	776,261	Nov. 29	5507	1166	113	1311
Rogers, Ephraim, and C. J. Schuyler, Philadelphia, Pa. Knit fabric.	772,478	Oct. 18	2572	566	112	1552
Rogers, Frank, New York, N. Y. Can-capping machine.	757,842	Apr. 19	3264	707	109	2073
Rogers, Fred N., Denver, Colo. Ore-concentrator.	765,042	July 12	2317	482	111	521
Rogers, Harry L., Altoona, Pa. Rail-joint.	777,434	Dec. 13	1899	418	113	1863
Rogers, Herbert W. (See Post, Frederick G., assignor.)						
Rogers, Ion E., and G. A. Fry, Columbus, Ohio. Journal-box.	757,145	Apr. 12	1866	407	109	1757
Rogers, James H., Gridley, Ill. Watch-bow fastener.	749,099	Jan. 5	1105	234	108	254
Rogers, John, Bridgeport, Conn. Automatic air-compressor.	778,608	Dec. 27	4255	928	113	2593
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine.	767,169	Aug. 9	3140	445	111	1334
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine.	768,910	Aug. 30	5098	1198	111	2381
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine.	773,341	Oct. 25	4448	943	112	1987
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine.	778,609	Dec. 27	4260	928 929	113	2304
Rogers, Joseph. (See Gleason and Rogers.)						
Rogers, Leonard R., assignor to W. H. Gates, Worcester, Mass. Steering apparatus for motor-vehicles.	762,197	June 7	1107	237	110	1679
Rogers, Myrtle M., Chicago, Ill. Upholstery.	757,414	Apr. 12	2405	523	109	1870
Rogers, Nelson W., Mount Vernon, N. Y., assignor to Cooper Hewitt Electric Company. System of electrical distribution.	751,016	Feb. 2	432	102	108	1159
Rogers, Stephen W. (See Lacy and Rogers.)						
Rogers, William S., Cleveland, Ohio, assignor to J. C. Pearson Company, Boston, Mass. Ventilating system.	761,405	May 31	5642	1201	110	1323
Rogers, William S., Cleveland, Ohio, assignor to J. C. Pearson Company, Boston, Mass. Coated nail.	773,524	Oct. 25	4665	1026	112	2078
Rogers, William S., Cleveland, Ohio, assignor to J. C. Pearson Company, Boston, Mass. Making coated nails.	773,525	Oct. 25	4666		112	2078
Rohach, Florian, Chicago, Ill. Device for grinding mower-knife sections.	761,406	May 31	5644	1202	110	1323
Rohan, James J., St. Louis, Mo. Water-tube boiler.	777,748	Dec. 20	2512	555	113	2010
Rohde, William, and W. Hastings, assignors of one-half to W. F. Bolly and E. H. Zuerhorst, Sandusky, Ohio. Hanger for doors, gates, or the like.	752,924	Feb. 23	4097	913	108	2004

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Rohlf, Charles. (See Burks and Rohlf.)						
Röhm, David, Nürnberg, Germany. Mantelpiece, wainscoting, face-plate, or slab for covering walls, ceilings, or the like	774,783	Nov. 15	2432	524 525	113	579
Rohm, James T., assignor of one-fourth to C. Dunbar, Allegheny, Pa. Rail-tie and fastener	762,944	June 21	2656	573	110	2954
Rohmer, William B., Bay St. Louis, Miss. Mail-pouch catching and delivering mechanism	766,731	Aug. 2	1215	257	111	1311
Rohr, Moritz von, assignor to Firm of C. Zeiss, Jena, Germany. Lens-stereoscope	774,801	Nov. 15	2471	533	113	587
Rohr, Moritz von, assignor to Firm of C. Zeiss, Jena, Germany. Lens combination for producing virtual images	775,353	Nov. 22	2662	777	113	885
Rohrer, Jacob B., Washington, D. C. Umbrella	748,655	Jan. 5	198	47	108	44
Rohrer, John E., Frankford, Pa. Folding go-cart	762,441	June 14	1608	350	110	1807
Rohrer, John B., Philadelphia, Pa. Combined step-ladder and ironing-board	765,792	July 26	2819	813 814	111	870
Rohwer, Carl F., Hot Springs, Ark. Non-refillable bottle	763,338	June 21	3371	732	110	2212
Rolfe, Charles A., Adrian, Mich., assignor to Rolfe Electric Company, Chicago, Ill. Lightning-arrester	768,196	Aug. 23	4218	887	111	2090
Rolfe, Edward, Mount Savage, Md. Apparatus for veneering bricks	772,828	Oct. 18	3240	706	112	1093
Rolfe Electric Company. (See Rolfe, Charles A., assignor.)						
Rolfe, Thomas H., assignor to Nichols and Shepard Company, Battlecreek, Mich. Automatic weighing apparatus	760,251	May 17	3335	701	110	785
Rolke, Gustav, Columbus, Ohio. Proscenium-arch	773,228	Oct. 25	4222	894	112	1938
Roll, Henry F., St. Louis, Mo. Parcel-attaching device	754,241	Mar. 8	2022	449	109	461
Rollason, Arthur, Long Eaton, England. Gas-motor engine	757,415	Apr. 12	2406	524	109	1870
Roller, Frank W., Plainfield, N. J. Electrical measuring instrument	776,866	Dec. 6	818	176	113	1607
Rollins, Edward H., Manchester, Conn. Silk-combing machine	773,811	Nov. 1	519	113	113	120
Rollins, George D., Philadelphia, Pa. Metallic packing	775,193	Nov. 15	3280	701	113	773
Rollins, George D., Philadelphia, Pa. Metallic packing	775,194	Nov. 15	3281	701	113	773
Rollins, George E., East Bridgewater, Mass. Welt-making machine	748,794	Jan. 5	446	100	108	100
Rollins, George L., Bridgewater, Mass. Machine for applying cement to stock. (Re-issue)	762,254	June 7	1212	260	110	1703
Rollins, John L., Norman, Okla. Ter. Cotton-separator	12,248	July 26	4534	969	111	1025
Rollins, Lewis P., Prescott, Iowa. Farm-gate	755,701	Mar. 29	4844	1077	109	1124
Rollston, Chester S., Vancouver, Canada. Sheave for clothes-lines	770,317	Sept. 20	2263	474	112	546
Rolph, Frederick L., Fitchburg, Mass. Boot-polisher	775,118	Nov. 15	3126	663	113	798
Romain, Adolphe, and J. D'Aguesvives, Paris, France. Support for incandescent electric lamps	759,015	May 3	854	173	110	146
Romans, John G. W., assignor, by mesne assignments, to N. A. Romans, Braintree, Mass. Registering mechanism	756,412	Apr. 5	448	92, 93	109	1383
Romans, Nancy A. (See Romans, John G. W., assignor.)	760,487	May 24	3774	799	110	900
Romberger, Harry B., Winona, Miss. Nut-lock	768,954	Aug. 30	5787	1216	111	2400
Rome Manufacturing Company. (See Ferrall, Thomas L., assignor.)						
Romig, Robert W., Pittsburg, Pa., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Ingredient-scale	756,710	Apr. 5	979	216	109	1553
Romig, Robert W., Pittsburg, Pa., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Charging-scale	759,016	May 3	854	173	110	196
Rommer, Isaac A., Newark, N. J. Scoop or ladle	772,674	Oct. 18	2941	645	112	1631
Rompel, Jacob A., Belleville, Ill. Christmas-tree holder and display-stand	774,497	Nov. 8	1844	400	113	429
Rompuender, William, and E. J. Fellman, Milwaukee, Wis. Swinging screen hanger and fastener	766,528	Aug. 2	788	166	111	1214
Romünder, Hermann, Bloomsbury, N. J. Convertible vehicle	750,396	Jan. 26	3666	797	108	866
Romünder, Hermann, Bloomsbury, N. J. Frame or sash for windows	753,315	Mar. 1	181	41	109	42
Romünder, Hermann, Bloomsbury, N. J. Trunk	774,921	Nov. 15	2720	584 585	113	642
Romünder, Hermann, Bloomsbury, N. J. Observation passenger-car	775,938	Nov. 29	4654	1029	113	1161
Romünder, Hermann, Bloomsbury, N. J. Passenger-car	777,810	Dec. 20	2659	583	113	2099
Romünder, Hermann, Milwaukee, Wis. Flexible sliding panel or front for articles of furniture or other purposes	756,388	Apr. 5	188	39	109	1384
Romünder, Hermann, Milwaukee, Wis. Press for wood-veneer trunks or other hollow packages	770,114	Sept. 13	1837	389	112	431
Romünder, Hermann, Milwaukee, Wis. Flexible sliding panel or front, &c.	776,551	Dec. 6	164	38	113	1462
Romünder, Hermann, Milwaukee, Wis. Passenger-car	776,552	Dec. 6	168	38, 39	113	1463
Ronan, Anson G., Toronto, Canada. Raw-liquid-fuel measurer for explosive-engines	752,181	Feb. 16	2608	579	108	1655
Ronan, Anson G., Toronto, Canada. Gas-engine	753,003	Feb. 23	4251	947 948	108	2038
Rónay, Árpád, Budapest, Austria-Hungary. Drying and annealing stove	740,326	Jan. 12	1559	336 337	108	392
Rónay, Árpád, Budapest, Austria-Hungary. Charging device for furnaces, gas-generators, &c.	766,903	Aug. 9	1602	337	111	1416
Rondell, Carl, Minneapolis, Minn. Vehicle-wheel	759,017	May 3	856	173	110	196
Roney, John, and J. C. Rae, Woonsocket, R. I. Bobbin-holder	762,088	June 7	909	188	110	1634
Ronsdorf, August, assignor to J. H. Van Eeghen and I. Da Costa, Amsterdam, Netherlands. Woven lace fabric	764,208	July 5	619	124 125	111	138
Rood, Charles W., assignor to Ideal Excavating Company, Britt, Iowa. Excavating apparatus	767,765	Aug. 16	3262	686	111	1801
Rood, Fletcher C., Walla Walla, Wash. Dental appliance	770,115	Sept. 13	1840	390	112	432
Rood, Grenville H., Washington, D. C. Spark-arrester	759,553	May 10	1973	403	110	467
Rood, Lloyd V., Marietta, Ohio. Filter	776,801	Dec. 6	680	150	113	1576
Rood, William C., Chicago, Ill. Display-case	751,503	Feb. 9	1440	327	108	1384
Rooney, George F., Leicester, England. Trousers-press	753,910	May 17	2681	563	110	637
Rooney, Henry F., Randolph, Mass. Shoe	770,822	Sept. 27	3235	681 682	112	779
Roop, William D., Danville, Ill. Brush-holder	778,272	Dec. 27	3597	786	113	2251
Roopen, Charles H., Waltham, Mass. Ice-creeper	761,915	June 7	607	122	110	1574
Roos, Charles. (See Hunfel, Adolph G., assignor.)						
Roos, Christian. (See Mill, Anton, assignor.)						
Roos, John E., Duluth, Minn. Display-rack	764,256	July 5	698	141	111	154
Roos, John E., Duluth, Minn. Display-rack	772,375	Oct. 18	2361	518	112	1506
Root, Albert G., Danbury, Conn. Trap-nest	750,702	Jan. 26	4239	921	108	986
Root, Charles A., assignor of one-half to E. D. Page, Brooklyn, N. Y. Combined paper-weight, pencil-sharpener, &c.	777,978	Dec. 20	3028	667	113	2112
Root, Charles H., Cleveland, Ohio. Fender	755,794	Mar. 29	5045	1139	109	1167
Root, Edgar A., and C. M. Wallace, Huntington, W. Va. Self-adjusting wheel	754,894	Mar. 15	3351	732	109	766

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Root, Gustaf, Tilly Foster, N. Y. Bread-slicer.....	756,413	Apr. 5	450	93	109	1439
Root, Harry C., Charleston, Ill. Valve.....	760,488	May 24	3777	800	110	900
Root, Henry, San Francisco, Cal. Fire-barrier wall, partition, &c.....	755,171	Mar. 23	3843	848	109	891
Root, Orlando J., Moline, Ill. Liquid-fuel pump.....	759,193	May 3	1197	244	110	271
Root, Orville H. (See Mosser and Root.)						
Roovers, Alexander H. (See Roovers, Alfred W. and A. H.)						
Roovers, Alfred W. and A. H., Brooklyn, N. Y. Die-press.....	775,354	Nov. 23	3663	777 778 779	113	885
Roper, Charles F., assignor to Draper Company, Hopedale, Mass. Salvage-motion for looms.....	769,921	Sept. 13	1490	318 319 320	112	354
Roper, Charles F., assignor to Draper Company, Hopedale, Mass. Harness-motion for looms.....	770,116	Sept. 13	1841	391	112	432
Roper, Joseph, St. Johns, Newfoundland. Attachment for mariners' compasses.....	762,761	June 14	2274	495	110	1948
Roper, Walter F., assignor to Draper Company, Hopedale, Mass. Shuttle-checking means for looms.....	761,999	June 7	756	154	110	1603
Ropes, Albert G. (See Scott, Rufus D., assignor.)						
Roppel, Henry, St. Louis, Mo. Bag-turner.....	750,703	Jan. 26	4240	921	108	966
Roppen, Peter. (See Faschian, Herman, assignor.)						
Roraback, Ernest, Springfield, Mass. Cutting-nippers.....	756,056	Mar. 29	5543	1233	109	1279
Rork, Samuel W. (See White and Rork.)						
Rorty, Malcolm C., Dedham, Mass., assignor to American Telephone and Telegraph Company. Telephone switching and signaling apparatus.....	750,704	Jan. 26	4242	922	108	987
Rorty, Malcolm C., Boston, Mass., assignor to American Telephone and Telegraph Company. Polarized relay.....	753,918	Mar. 8	1413	319	109	326
Rorty, Malcolm C., Boston, and G. K. Thompson, Newton, Mass., assignors to American Telephone and Telegraph Company. Protective device for telephone-circuits.....	761,916	June 7	608	122	110	1574
Rosburg, Charles A., Greene, Iowa. Display-hanger.....	769,569	Sept. 6	836	179	112	189
Rosbury, William H. (See Rector and Rosbury.)						
Roscoe, Edith. (See Lanus, Kinsey, assignor.)						
Roscow, Frank B., South Auburn, Nebr. Animal-trap.....	773,767	Nov. 1	442	98	113	104
Rose, Allen W. (See Swan and Rose.)						
Rose, Arthur A., Jabalpur, India. Automatic coupling for railway carriages, wagons, or such like vehicles.....	772,376	Oct. 18	2362	518 519	112	1507
Rose, Frank S., Newark, N. J. Type-writing machine.....	754,242	Mar. 8	2023	450	109	461
Rose, George. (See Houck and Rose.)						
Rose, George L., Pasadena, Cal. Steam-generator.....	757,639	Apr. 19	2877	627	109	1990
Rose, George F., Jr., Dubuque, Iowa. Desk for hotel-registers.....	752,802	Feb. 23	3826	859	108	1943
Rose, Harn C., Rosemont, Nebr. Transmitter.....	755,635	July 19	3457	730	111	782
Rose, Israel M., Philadelphia, Pa. Grinding or sharpening device.....	757,843	Apr. 19	3268	708	109	2074
Rose, James A., Prairie City, Ill. Sidewalk on street-crossings.....	754,895	Mar. 15	3352	732	109	766
Rose, John, Kusehequa, Pa. Saw-grinding machine.....	760,566	May 24	3936	835 836	110	937
Rose, John I., et al. (See Smith, Henry, assignor.)						
Rose Manufacturing Company. (See Gurr, William P., assignor.)						
Rose, Maxim, San Francisco, Cal. Legging.....	765,905	July 26	4016	857	111	914
Rose, Samuel B. (See Rose, William R., assignor.)						
Rose, Samuel S., Amador City, Cal. Gas-compressor for ice-machines.....	756,529	Apr. 5	661	142 143	109	1482
Rose, William, Gainsborough, England, assignor to Wright's Automatic Tobacco Packing Machine Company, Lynchburg, Va. Packing-machine.....	762,255	June 7	1214	262 263 264	110	1703
Rose, William H., Catonsville, Md. Telephone disinfecting device.....	777,310	Dec. 13	1654	367	113	1810
Rose, William H., assignor to Marine Torch Company of Baltimore City, Baltimore, Md. Torch.....	752,711	Feb. 23	3666	617	108	1906
Rose, William R., Auberry, Cal. Nut-lock.....	752,263	Feb. 16	2786	617	108	1698
Rose, William R., assignor of one-half to S. B. Rose, Washington, D. C. Means for flashing fire-walls.....	762,945	June 21	2658	576	110	2054
Roseau, William H. de, assignor of one-half to F. E. Forster, Clifton, Ariz. Ter. Adjustable bit.....	763,072	June 21	2893	624	110	2106
Rosberry, James S. (See Ellis, Thomas H., assignor.)						
Roseboom, Jesse G., Columbus, Ind. Sash-frame and sash.....	759,831	May 10	2522	110	585	
Rosebrook, Wilhelm. (See Badenhop and Rosebrook.)						
Rosedale, Adolph, assignor of one-half to J. B. Ferguson, Enid, Okla. Ter. Trick savings-bank.....	766,865	Aug. 30	5605	1178	111	2358
Rosell, Claude A. O., New York, N. Y. Chrome tanning-bath.....	761,354	May 31	5342	1135	110	1256
Rosenbaum, Walter A., New York, N. Y. Letter-press.....	759,530	Apr. 5	662	142	109	1482
Rosenbaum, William A., New Rochelle, N. Y., assignor to Meyrowitz Manufacturing Company. Eyesight-test cabinet.....	769,805	Sept. 13	1264	271	112	303
Rosenberg, Emil W., Chicago, Ill. Car-replacer.....	750,896	Feb. 2	223	50	108	1107
Rosenberg, Joseph, Chicago, Ill. Wheel-hub.....	760,352	May 17	3337	702	110	785
Rosenberger, Valentine, Philadelphia, Pa. Car for scenic railways.....	763,490	Sept. 6	659	131	112	160
Rosenblatt, Harry M., Philadelphia, Pa. Buckle-fastener for belts.....	750,061	Jan. 19	3061	657	108	714
Rosenbluth, Edwin M., Philadelphia, Pa. Acetylene-gas generator.....	753,632	Mar. 1	788	176	109	171
Rosenfeld, Bela, Vienna, Austria-Hungary. Calendar.....	749,127	Jan. 12	1390	297	108	339
Rosenfeld, Henry, New York, N. Y. Electric-railway shoe.....	755,391	Mar. 22	4265	942	109	981
Rosenkranz, John C., New York, N. Y. Buckle.....	763,938	July 26	4076	870	111	928
Rosenow, Ferdinand, Renfrow, Okla. Ter. Draft-elevator.....	749,100	Jan. 5	1106	234	108	254
Rosenqvist, Conrad L., Niagara Falls, N. Y. Variable speed and power transmission device.....	773,426	Oct. 25	4636	979	112	2027
Rosenthal, Arthur, Grand Rapids, Mich. Bicyclist's globe.....	759,130	May 3	1069	217	110	243
Rosenthal, August, West Allis, Wis., assignor to Rosenthal Corn Husker Company. Band-cutter and feeder for corn-husking machines.....	761,717	June 7	191	36	110	1481
Rosenthal, August, assignor to Rosenthal Husker Company, Milwaukee, Wis. Corn-husking machine.....	769,186	Sept. 6	91	23, 24	112	21
Rosenthal, August, assignor to Rosenthal Manufacturing Company, Milwaukee, Wis. Corn husking and shredding machine.....	777,047	Dec. 6	1175	256 257	113	1689
Rosenthal, Charles S., et al. (See Beier, Frank J., assignor.)						
Rosenthal Corn Husker Company. (See Rosenthal, August, assignor.)						
Rosenthal, Gustav, Leimathe, Germany. Apparatus for the introduction of pulverulent substances into converters, &c.....	759,750	May 10	2347	490	110	547
Rosenthal Husker Company. (See Rosenthal, August, assignor.)						
Rosenthal, James H., London, England. Superheater.....	767,766	Aug. 16	3266	686 687 688	111	1302
Rosenthal, Leon W., New York, N. Y. Engineer's slide-rule.....	767,170	Aug. 9	2142	445	111	1534
Rosenthal, Louis, Montreal, Canada. Medical tablet.....	764,678	July 12	1614	330	111	370

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Rosenthal Manufacturing Company. (See Rosenthal, August, assignor.)						
Rosenthal, Samuel. (See Throop, Charles G., assignor.)						
Rosenwald, Emile, Paris, France. Button-making machine	761,544	May 31	5877	1259 1260	110	1375
Rosenwasser, Morris, New York, N. Y. Legging-spring	749,951	Jan. 19	2841	607	108	669
Rosewater, Benjamin J., Eureka Springs, Ark. Manifold device	778,273	Dec. 27	3598	786	113	2252
Rosholt, Julius, et al. (See Helgerson, Thomas O., assignor.)						
Rosier, Exeivre F., West Granby, Conn. Flooring-clamp	775,092	Nov. 15	3066	651	113	724
Rosin, Charles S., Tacoma, Wash. Type-carrier for cylinder-presses	769,022	Aug. 30	5932	1242 1243	111	2494
Roslund, Oscar. (See McIntyre, Edward F., assignor.)						
Ross, Albert J. (See Pickens and Ross.)						
Ross, Charles G. (See Hooton and Ross.)						
Ross, Delmar C., Detroit, Mich. Draft-gear for railway-cars	766,772	Aug. 2	1305	276	111	1381
Ross, Donald W. (See Stronach and Ross.)						
Ross, Edward S., Norwich, Conn. Puzzle	769,407	Sept. 6	532	116	112	120
Ross, Ernest S., Hobart, Tasmania, Australia. Umbrella tip-cup and catch therefor	758,696	May 3	178	38	110	42
Ross, George E., assignor to John Hetherington and Sons, Limited, Manchester, England. Self-acting mule and twiner	752,302	Feb. 16	2859	636	108	1714
Ross, George G., Hazel, Wash. Non-refillable bottle	764,959	July 12	2177	451	111	493
Ross, George P. (See Le Roy and Ross.)						
Ross, Harry B., assignor to Berlin Machine Works, Beloit, Wis. Planing-machine	750,125	Jan. 19	3170	682	108	737
Ross, Harry B., assignor to Berlin Machine Works, Beloit, Wis. Locking device for planing-machines	771,500	Oct. 4	549	123	112	1075
Ross, Harry B., assignor to Berlin Machine Works, Beloit, Wis. Feed-roll for planing-machines	771,501	Oct. 4	550	124	112	1075
Ross, Harry C., Piru, Cal. Pedal attachment	767,247	Aug. 9	2282	478	111	1565
Ross, Henry I. M., Dunedin, New Zealand. Double-current ventilator	757,348	Apr. 12	2272	496	109	1843
Ross, James, and A. W. MacKenzie, Edinburgh, Scotland. Bush or liner for casks and means for attaching same	754,708	Mar. 15	3010	657	109	692
Ross, James B., St. Louis, Mo. Non-refillable-bottle stopper	770,117	Sept. 13	1846	391	112	433
Ross, John D., Los Angeles, Cal. Nozzle for sprinklers	752,808	Feb. 23	2828	859	108	1944
Ross, John F., Toronto, Canada. Machine for bordering calendars or similar sheets	754,941	Mar. 15	3443	755	109	787
Ross, John H., assignor to American Steel & Wire Company, San Francisco, Cal. Spring-knotting machine	756,531	Apr. 5	664	143	109	1482
Ross, John H., assignor to American Steel & Wire Company, San Francisco, Cal. Spring-dowel-forming machine	756,532	Apr. 5	666	144	109	1483
Ross, Joseph M. (See Ross, Noble G., T. D., and J. M.)						
Ross, Leonard W. (See Douglas, Ainslie E., assignor.)						
Ross-Meehan Foundry Company. (See Meehan, James, assignor.)						
Ross, Mark A., assignor to Pyle National Electric Headlight Company, Chicago, Ill. Electrode-holder for electric headlights	769,236	Sept. 6	193	46	112	43
Ross, Napoleon B., Gilboa, assignor of one-half to T. Horstman, Cincinnati, Ohio. Voting-machine	770,318	Sept. 20	2264	474 475	112	547
Ross, Noble G., Kansas City, Mo., T. D., and J. M. Ross, Kansas City, Kans. Threshing-machine	752,182	Feb. 16	2616	580	108	1658
Ross, Oliver C., Spokane, Wash. Truss-pad	760,253	May 17	3338	702	110	785
Ross, Rhoderick G. (See Walsh, James R., assignor.)						
Ross, Robert. (See Akers and Ross.)						
Ross, Robert M., Allegheny, Pa. Heater and purifier	754,014	Mar. 8	1590	355	109	366
Ross, Ronald, Beaverton, Mich. Bag or sack holder	768,018	Aug. 16	3826	800	111	1922
Ross, Sidney J. (See Schofield and Ross.)						
Ross, Thomas D. (See Ross, Noble G., T. D., and J. M.)						
Ross, Walter, Sr., Opelika, Ala. Bale-tie	767,248	Aug. 9	2283	478	111	1565
Ross, Warren, et al. (See Adams, Robert F., assignor.)						
Ross, William A., New York, N. Y. Furnace-grate	773,265	Oct. 25	4292	907 908	112	1954
Ross, William M., et al. (See Harper, Hind T., assignor.)						
Rossbach-Rousset, Fritz, Tempelhof, assignor to G. Goliassch & Cie., Metallwaarenfabrik, Berlin, Germany. Device for igniting and cutting off gas-jets	767,663	Aug. 16	3069	646	111	1762
Rossbach-Rousset, Fritz, Tempelhof, assignor to G. Goliassch & Cie., Metallwaarenfabrik, Berlin, Germany. Device for igniting and cutting off gas-jets	767,664	Aug. 16	3062	646	111	1763
Rosselli, Joseph F. (See Johnson, Marquis H., assignor.)						
Rosser, Virgil O., Dallas, Tex. Kitchen-cabinet	762,198	June 7	1109	237	110	1680
Rosser, Virgil O., Dallas, Tex. Kitchen-cabinet	770,610	Sept. 20	2796	594 595	112	665
Rossetti, Charles de, Roubaix, France. Tension-regulating traveler for spinning-machines	765,596	July 19	3382	713	111	767
Rossi, John, Newcastle, Ind. Wire-working tool	769,023	Aug. 30	5933	1243	111	2494
Rossi, Louis M. (See Figaccia, Pietro, assignor.)						
Rossiter, Harry E., Sunbury, Pa. Rosette for suspending or supporting incandescent lamps	775,779	Nov. 22	4549	965 966	113	1079
Rossiter, William W., New York, N. Y. Fan for disinfecting purposes	757,684	Apr. 19	2966	645	109	2009
Rosslow, Rudolf, Leipzig, Germany. Clamp	758,416	Apr. 26	4517	970	109	2368
Rosslow, Henry G., Spokane, Wash. Exposure-index for photographic-plate holders	759,314	May 10	1503	302	110	363
Rossman, John B., St. Paul, Minn. Amalgamator and concentrator	750,224	Jan. 19	3341	723	108	774
Rossmack, Louis H., Threeoaks, Mich. Clamp	765,995	July 26	4189	894	111	951
Rost, Willie, Gilmore City, Iowa. Gun-barrel	749,402	Jan. 12	1746	369	108	416
Rotary Fire Hose Drier Co. (See Bowman, Charles M., assignor.)						
Rote, Charles V., assignor to Positive Railway Sander Company, Lancaster, Pa. Rail-clamp	760,489	May 24	3779	800	110	901
Rote, Charles V., assignor to two-thirds to P. E. Shee, Lancaster, and C. Forney, Harrisburg, Pa. Track-sander	757,416	Apr. 12	2408	525	109	1871
Roth, Albert, Crimmitschau, Germany. Reducing-valve	761,106	May 31	5064	1075	110	1196
Roth, Charles J., Altoona, Pa. Curtain-fixture	769,715	Sept. 13	1107	237	112	395
Roth and Engelhardt. (See Hobart, Adam, assignor.)						
Roth, Eugen, Berlin, Germany. Water-turbine	763,605	June 28	4113	896	110	2392
Roth, Frank W., West Hoboken, N. J. Line-eye attachment for fishpoles	754,094	Mar. 8	1749	388	109	401
Roth, Ernst K., assignor to Fahrzeugfabrik Eisenach, Eisenach, Germany. Fluid-brake for recoil guns	754,896	Mar. 15	3352	732	109	766
Rothe, L. A., et al. (See Kempton, Benjamin S., assignor.)						
Rothemberger, Daniel M. (See Kray, John A., assignor.)						
Rothemberger, Daniel M., et al. (See Kray, John A., assignor.)						
Rothembucher, George E. R., New York, N. Y. Antifriction-caster	762,657	June 14	2058	445	110	1904
Rothembucher, George E. R., New York, N. Y. Double-acting pipe wrench and cutter	775,581	Nov. 23	4170	879	113	997
Rother, Edward J. O., San Diego, Cal. Garment supporting and locking device	776,802	Dec. 6	682	150	113	1577

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Rotherham and Sons. (See Johnson, William, assignor.)						
Rothger, Frank A., Cleveland, Ohio. Tool for repairing jar-covers	769,716	Sept. 13	1108	238	112	260
Rothschild, Benjamin, Baltimore, Md. Detachable handle for umbrellas	763,117	June 21	2967	640	110	2132
Rothschild, Sidney, New York, N. Y. Compound engine	737,965	Apr. 19	3493	757 758	109	2125
Rothstein, Ignatz, Berlin, Germany. Electrochemical gas-lighter	760,567	May 24	3937	836	110	937
Rothwell, Charles F. S. (See Thornton and Rothwell.)						
Rothwell-Jackson, Charles L., and E. W. Hunt, Bolton, England. Machine for dyeing textile fabrics	757,055	Apr. 12	1686	366	109	1717
Rothwell, William R., Philadelphia, Pa. Fountain-pen	757,500	Apr. 19	2575	565	109	1921
Rottler, Leo, St. Louis, Mo. Automatic weather-strip	760,254	May 17	3340	702	110	786
Rotvold, Henning O., assignor of one-half to O. A. Lein, Hesper, Iowa. Post-lifter	762,846	June 14	2460	533	110	1950
Rouaix, Gaston, Paris, France. Too-great-speed alarm	757,640	Apr. 19	2881	627 628	109	1991
Rougemont, Walter von, Rittergut Hohburg, Germany. Automatic refrigerating apparatus for use in connection with fermenting operations	768,772	Aug. 30	5408	1139	111	2314
Rouis, Robert L., Catlin, Ga. Railway-tie	765,101	July 12	2437	508	111	545
Roulo, Richard J., Los Angeles, Cal. Elevator-lock	778,550	Dec. 27	4140	902	113	2369
Roulo, Richard J., Los Angeles, Cal. Elevator-lock	778,551	Dec. 27	4142	902	113	2369
Rourniguerie, Alphonse, assignor of one-half to R. Hickmott, San Francisco, Cal. Artichoke-trimmer	757,229	Apr. 12	2020	439	109	1790
Rounds, Albert C., assignor to Schauroth Shoe Company, Buffalo, N. Y. Shoe	774,784	Nov. 15	2434	523	113	580
Rounds, Horace M., Columbus township, Warren county, assignor of one-half to H. P. Stone, Warren, Pa. Log grab-hook	761,407	May 31	5647	1202	110	1324
Rourke, William, Bromley, assignor of one-half to W. W. Horsburg, London, England. Fitting for preventing side slip in motor-vehicles	764,960	July 12	2179	451	111	494
Rouse, Edwin F., Bay City, Mich. Dry-kill	750,306	Jan. 26	3501	758	108	828
Rouse, George W., Lowell, Mich. Wrench	749,632	Jan. 12	2204	465	108	513
Rouse, Harry B., Chicago, Ill. Register-hook	771,834	Oct. 11	1217	270	112	1234
Rouse, Harry B., Chicago, Ill. Printer's block or base	771,835	Oct. 11	1219	271	112	1235
Rouse, Thomas, Stamford Hill, assignor of one-half to H. Cohn, London, England. Converting iron-sand into briquets or lumps	758,553	May 3	533		110	127
Roush, Henry. (See Roush, Peter, Jr., and H.)						
Roush, John J., Allegheny, Pa. Tube-cutter	772,062	Oct. 11	1711	381	112	1341
Roush, Peter, Jr., and H. Greenfield, Ohio. Curtain-exhibitor	758,149	Apr. 25	3869	840	109	2236
Rousseau, Canfield. (See Ferris and Rousseau.)						
Rousseau, Esdras, Montreal, Canada. Water-closet	759,473	May 10	1820	367	110	433
Rousseau, Louis, Paris, France. Movable swinging-body furnace for melting steel, &c.	749,403	Jan. 12	1747	370	108	416
Rousseau, Nestor S., (See Stuart, Luttrell H., assignor.)						
Russell, Willis J., New Orleans, La., assignor of one-eighth to A. King, Chicago, Ill. Telegraph-transmitter	761,917	June 7	612	122 123	110	1575
Rouy, Gustave, St. Louis, Mo. Car truck and brake	764,770	July 12	1791	367	111	408
Rouze, James F., Newton, Iowa. Adjustable scaffold for ladders	762,658	June 14	2060	445	110	1905
Rouze, John L., Degraff, Ohio. Stock-car	757,349	Apr. 12	2273	497	109	1843
Rowan, Andy, Steamboat Springs, Colo. Hay loader and raker	759,018	May 3	856	174	110	196
Rowan, Frederick J., Glasgow, Scotland. Steam-boiler	754,348	Mar. 8	2203	490 491	109	498
Rowan, James, Ottawa, Canada. Safety commercial paper	774,535	Nov. 8	1912	308	113	443
Rowe, Calvin J., Brownsville, Ill. Rotary engine	759,315	May 10	1504	303	110	363
Rowe, David H. (See Gilson and Rowe.)						
Rowe, Davis, Indianapolis, Ind. Saw-holder	752,420	Feb. 16	3095	686	108	1764
Rowe, Ernest L. (See Bender, John B., assignor.)						
Rowe, George B., Moore, Okla. Ter. Shears	753,919	Mar. 8	1416	319	109	326
Rowe, George B., Moore, Okla. Ter. Press	757,501	Apr. 19	2576	565 566	109	1921
Rowe, George H., Ennis, Tex. Hammer	759,019	May 3	859	174	110	197
Rowe, James, Chicago, Ill. Printing-press	753,164	Feb. 23	4543	1013 1014	108	2103
Rowe, James, Chicago, Ill. Numbering attachment for printing-presses	768,773	Aug. 30	5409	1139 1140	111	2315
Rowe, James E., assignor to E. Jenckes Manufacturing Company, Pawtucket, R. I. Knitting-machine	765,043	July 12	2326	483	111	523
Rowe, Levi L., Boston, Mass. Gas-heater	764,010	July 5	184	32	111	44
Rowe, Robert A., et al. (See Jarrell, William, assignor.)						
Rowe, Sidney M., Telford, Tenn. Wrench	762,762	June 14	2276	496	110	1948
Rowe, Styles T., et al. (See Jarrell, William, assignor.)						
Rowe, William G., administrator. (See Tirrell, Jacob P.)						
Rowell, Benton C., Chicago, Ill. Safety-stop for railways	776,146	Nov. 29	5279	1115 1116	113	1259
Rowell, Benton C., assignor to Ristine Company, Chicago, Ill. Rail-joint	753,434	Mar. 1	406	95	109	88
Rowell, Benton C., Chicago, Ill., assignor to Rowell Potter Safety Stop Company, Portland, Me. Interlocking system for railways	770,656	Sept. 20	2890	615	112	686
Rowell, Benton C., Chicago, Ill., assignor to Rowell Potter Safety Stop Company, Portland, Me. Automatic block system for railways	770,657	Sept. 20	2894	615 616	112	686
Rowell, Benton C., Chicago, Ill., assignor to Rowell Potter Safety Stop Company, Portland, Me. Automatic interlocking signal system for railways	774,498	Nov. 8	1845	401	113	429
Rowell, Dudley G. (See Rowell, Guilford D. and D. G.)						
Rowell, Guilford D. and D. G., Appleton, Wis. Molding apparatus	761,255	May 31	5343	1135	110	1256
Rowell Potter Safety Stop Company. (See Rowell, Benton C., assignor.)						
Rowell, Samuel W., Beaverdam, Wis. Cultivator	763,511	June 28	3762	812	110	2317
Rovinsky, Alvin W., assignor of one-half to J. McCrea, Chicago, Ill. Feed-water regulator	759,131	Mar. 8	1070	217	110	243
Rowland, Calvin, assignor to Rowland Manufacturing Company, Denver, Colo. Separable hinge for screens	754,809	Mar. 15	3189	695	109	731
Rowland, Calvin, assignor to Rowland Manufacturing Company, Denver, Colo. Separable hinge for screens	754,810	Mar. 15	3191	695	109	731
Rowland, Calvin, assignor to Rowland Manufacturing Company, Denver, Colo. Separable hinge for screens	759,751	May 10	2348	490	110	547
Rowland, Calvin, assignor to Rowland Manufacturing Company, Denver, Colo. Separable hinge for screens	759,752	May 10	2350	490	110	547
Rowland, Charles D., and P. R. Cover, Polo, Ill. Coffin-box	765,102	July 12	2438	508	111	546
Rowland, Charles L. (See Fogg, Charles F., Longmore, L., assignor.)						
Rowland, Charles T., and L. F. Longmore, Lowell, Mass.; said Longmore assignor to said Rowland. Machine for separating, grading, and polishing	770,781	Sept. 27	3134	665	112	756

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Rowland, Charles T., and L. F. Longmore, Lowell, Mass.; said Longmore assignor to said Rowland. Machine for separating and purifying granulated materials.	771,273	Oct. 4	104	23, 24	112	984
Rowland, Charles T., and L. F. Longmore, Lowell, Mass.; said Longmore assignor to said Rowland. Separator or grader.	772,377	Oct. 18	2365	519	112	1507
Rowland Dye Soap Company. (See Rowland, George, assignor.)						
Rowland, George, assignor to Rowland Dye Soap Company, Knoxville, Tenn. Dyestuff	752,804	Feb. 23	3839	559	108	1944
Rowland, Horace B., Philadelphia, Pa. Hood or injector for car-ventilators.	756,057	Mar. 29	5543	1223	109	1279
Rowland Manufacturing Company. (See Rowland, Calvin, assignor.)						
Rowland, Milton H., Gladstone, Mich. Folding hunting-knife	770,118	Sept. 13	1847	391	112	433
Rowland, Thomas F., New York, N. Y. Welding apparatus	759,635	May 10	2134	439	110	500
Rowland, Thomas F., Jr., New York, N. Y. Flanging-machine	761,918	June 7	615	123	110	1576
Rowlands, Thomas W. (See Marsh, Albert M., assignor.)						
Rowledge, Arthur J. (See Napier and Rowledge.)						
Rowley, Aaron V. (See Jude, August, assignor.)						
Rowley, James F., Chicago, Ill. Artificial foot	759,753	May 10	2352	490	110	548
Rowley, James F., assignor to J. F. Rowley Company, Chicago, Ill. Suspender-hook	774,110	Nov. 1	1141	244	113	258
Rowley, James F., assignor to J. F. Rowley Company, Chicago, Ill. Artificial-limb sus- pender	774,111	Nov. 1	1142	244	113	258
Rowley, Richard, Clearfield, Pa. Compound metal ingot	758,387	Apr. 26	4348	933	109	2390
Rowntree, Benjamin S., York, England. Shaking-machine	763,329	June 21	3373	733	110	2212
Rowntree, Harold, assignor to Burdett-Rowntree Manufacturing Company, Chicago, Ill. Elevator hoisting mechanism	778,073	Dec. 20	3198	703	113	2147
Rowse, Frank J., Pawtucket, R. I. Vending-machine	764,011	July 5	186	38	111	45
Rowse, Frank J., Providence, R. I. Linder to American Vending Machine Company, Saco, Me. Coin mechanism for vending machines	764,679	July 12	1615	330	111	370
Rowzee, Ida V. (See Van Wagoner and Lindstrom, assignors.)						
Roy, Anna M. and E. F., Pittsburg, Pa. Bread or cake knife	760,255	May 17	3342	703	110	786
Roy, Edward D., Anderson, S. C., assignor to Draper Company, Hopedale, Mass. Take- up mechanism for looms	764,771	July 12	1794	367	111	409
Roy, Edward H., Nashville, Tenn. Car-door lock	776,089	Nov. 20	5174	1093	113	1234
Roy, Emma F. (See Roy, Anna M. and E. F.)						
Roy, John F., et al. (See Baird, Clarence D., assignor.)						
Royal Commercial Company. (See Webber, William B., assignor.)						
Royal Gas Light Company. (See Wolyn, Axel H., assignor.)						
Royal Glass Jar and Bottle Company. (See Lazareff, Mathias A., assignor.)						
Royal Milling and Manufacturing Company. (See Welch, Rosia W., assignor.)						
Royal Music Company. (See Gutman, Frederick O., assignor.)						
Royer, John B., Leetonia, Ohio. Mine-drill	761,408	May 31	5647	1202	110	1234
Royle, John J., Irlam, near Manchester, England. Apparatus for regulating the flow of fluids	757,502	Apr. 19	2582	567	109	1922
Royle, Samuel, Southsea, assignor of two-thirds to J. Madden and A. Joseph, London, England. Machine for sewing corsets	757,966	Apr. 19	3496	758	109	2126
Royle, Vernon, Paterson, N. J. Tube-making machinery	751,108	Feb. 2	596	137	108	1187
Royle, Vernon, Paterson, N. J. Clamp for routing-machines	756,038	Mar. 29	5544	1223	109	1279
Royle, Vernon, Paterson, N. J. Oil-cup	776,262	Nov. 29	5508	1166	113	1311
Rozier, François M., Le Raincy, France. Apparatus for making cement pipes	765,399	July 26	4078	871	111	928
Rubber and Celluloid Harness Trimming Co. (See Walker, George, assignor.)						
Rubel, Jesse A., Sioux City, Iowa. Means for automatically adjusting car-brakes	764,380	July 5	970	195	111	215
Rübel, Walter, assignor of one-half to N. Bernstein, Berlin, Germany. Manufacture of aluminium	770,389	Sept. 20	2389		112	575
Rubey, Herbert F., Glidden, Iowa. Gripper and gripper-bar	759,395	May 10	1676	339	110	400
Rubicam, John H., and J. F. Baxter, Cambridge, Ohio; said Rubicam assignor to said Baxter. Hook-rack	754,503	Mar. 15	2507	566	109	605
Rubin, Leo. (See Rubin, Max and L.)						
Rubin, Max, Morristown, N. J. Clasp	761,919	June 7	617	123	110	1576
Rubin, Max, Morristown, N. J., and L. Rubin; said L. Rubin assignor to J. Janowitz, New York, N. Y. Clasp	764,823	July 12	1907	391	111	433
Rubin, Sam, New Orleans, La. Tray	777,921	Dec. 20	2909	640	113	2089
Rubio, Ramon M., Puerto Real, Spain. Furnace-grate	777,352	Dec. 13	1748	388	113	1830
Rubitschung, Carl, Frankfort-on-the-Main, Germany. Manufacture of artificial stone	777,145	Dec. 13	1855		113	1743
Rubottom, Emphrey J., Felton, Cal. Plow	759,474	May 10	1822	367	110	434
Ruby, Charles F., assignor to Missouri Locomotive Company, St. Louis, Mo. Steam-gen- erator	766,904	Aug. 9	1603	337	111	1416
Ruby, James E., assignor of one-half to J. Ruby, Cosby, Mo. Washing-machine	771,750	Oct. 4	1036	231	112	1181
Ruby, John B. (See Elliott and Ruby.)						
Ruby, Judson. (See Ruby, James E., assignor.)						
Ruckdeschel, Frederick E., assignor of two-thirds to H. and A. D. Joffe, Rochester, N. Y. Eyeglass or spectacle attachment	751,418	Feb. 2	1180	268	108	1308
Ruckel, John F., Chicago, Ill. Surgical bridge	765,793	July 26	3820	814	111	870
Ruckie, Daniel H., assignor of one-half to J. E. Keegan and J. F. Hayes, Grand Rapids, Mich. Grinding-machine	770,246	Sept. 13	2091	440	112	489
Ruckie, Henry. (See Wilson, Edward F., assignor.)						
Ruckstuhl, George, Rutherford, N. J. Means for holding piano tuning-pins	752,460	Feb. 16	3174	707	108	1781
Rud, Theodore, Chicago, Ill. Fishing-tackle	758,532	Dec. 27	4143	902	113	2369
Rudasill, Herbert M., Glenwood Springs, Colo. Index	758,477	Apr. 26	4518	707	109	2369
Rudd, George M., Port Chester, N. Y. Rotary fan	763,073	June 21	2895	624	110	2107
Ruddick, John J., Newton, Mass., assignor to United States Electric Signal Company. Trolley-operated electric switch	776,893	Dec. 6	684	151	113	1577
Ruddy, Harriet E., St. Paul, assignor to M. P. and D. Todd, Minneapolis, Minn. Ham- mock-loom	762,493	June 14	1723	370	110	1832
Rude Brothers Manufacturing Company. (See Ham, Henry C., assignor.)						
Rude, Isidore. (See Strasburg, Harris, assignor.)						
Rüdiger, Josef B. von, assignor to Firm of T. Hurwitz, Berlin, Germany. Advertising apparatus	770,319	Sept. 20	2268	475	112	547
Rudolph, Frank, Lincoln, Ill. Checking device for horses	768,078	Aug. 23	3985	838	111	1980
Rudolph, George W. (See Richmond, William J., assignor.)						
Rudolph Wurliizer Company. (See Istas, Ferdinand, assignor.)						
Rudometoff, Michael, Gatschina, near St. Petersburg, Russia. Printing process	758,192	Apr. 26	3949		109	2343
Rue, Albert C. S., Northwood, Iowa. Lamp-holder	778,274	Dec. 27	3900	787	113	2252
Rue, Edward, Amboy, Minn. Washing-machine	773,101	Oct. 25	3909	832	112	1867

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Rue, Edward, assignor of one-half to C. L. Peterson, Amboy, Minn. Windmill	749,806	Jan. 19	2563	545	108	608
Rueckert, George C. (See Lenzen, Bertram, assignor.)						
Rueckholdt, George. (See Hall, Thrasher, assignor.)						
Rueby, John, Denver, Colo. Concentrator	757,350	Apr. 12	2275	497	109	1843
Ruef, Charles S., assignor to Grand Detour Plow Company, Dixon, Ill. Cultivator	764,257	July 5	699	142	111	154
Ruegg, Jacob, Stirling, N. J. Rail-valise	767,767	Aug. 16	3267	688	111	1802
Ruehle, Ernest G., New York, N. Y. Dotting-pen	759,920	May 17	2682	563	110	637
Ruehling, August W. (See Fern, John and W. H., assignors.)						
Ruehs, Charles L. (See Streich and Ruehs.)						
Ruehs, Charles L., assignor to J. F. Braun and J. G. Kuenzinger, Chicago, Ill. Furni- ture	765,636	July 19	3458	730	111	782
Ruehs, Charles L., and F. Streich, Chicago, Ill., assignor to Universal Automatic Carv- ing Machine Company. Automatic carving-machine	757,230	Apr. 12	2021	439	109	1790
Ruenzel, Henry G., et al. (See McCarthy, Albert, assignor.)				440		
Ruesch, Jacob, Milwaukee, Wis. Printer's quoin	763,637	June 28	3989	869	110	2365
Ruethin, Knute A., Chicago, Ill. Combination furniture	758,782	May 3	404	81	110	99
Rueve, Henry, Jr., Sheridan, Pa. Safety-envelop	763,797	June 28	4316	938	110	2435
Ruff, William J., Quincy, Ill. Pasteurizer	767,960	Aug. 16	3663	773	111	1886
Ruff, William J., Quincy, Ill. Pasteurizer	767,961	Aug. 16	3669	774	111	1888
Ruff, William J., Quincy, Ill. Pasteurizer	767,962	Aug. 16	3672	775	111	1889
Ruffner, Augustus. (See Greene, Jesse T., assignor.)						
Rugen, Louis C., Boundbrook, N. J., and H. Abraham, New York, N. Y., assignors to Standard Paint Company, Boundbrook, N. J. Flexible roofing or flooring	775,635	Nov. 22	4282	905	113	1022
Rugen, Louis C., Boundbrook, N. J., and H. Abraham, New York, N. Y., assignors to Standard Paint Company, Boundbrook, N. J. Waterproof covering	775,636	Nov. 22	4285		113	1022
Rugg, Arthur H., et al. (See O'Brien, Arthur, assignor.)						
Ruggiero, Bartolo, and G. Bongiorno, Brooklyn, N. Y. Horn for phonographs or similar machines	770,024	Sept. 13	1687	358	112	398
Ruggles, Harry A., Chicago, Ill., assignor to P. M. Jones and S. W. Dalberg, Milwaukee, Wis. Wrench	751,342	Feb. 2	1056	240	108	1283
Rugh, Harry O., assignor to Western Telegraphone Company, Chicago, Ill. Telegraph system	757,503	Apr. 19	2584	567	109	1922
Rugh, Harry O., assignor to Western Telegraphone Company, Chicago, Ill. Telegraph system	757,504	Apr. 19	2588	567	109	1924
Rugh, Harry O., assignor to Western Telegraphone Company, Chicago, Ill. Telegraph system	757,505	Apr. 19	2590	568	109	1925
Ruhe, William L., Baltimore, Md. Confectionery-machine	775,093	Nov. 15	3067	651	113	724
Ruhl, Hepburn, et al. (See Ruhl, William G., assignor.)						
Ruhl, William G., assignor to P. R. Kellar, H. Ruhl, and J. S. Badsel, Chicago, Ill. Ex- ercising device	771,938	Oct. 11	1442	328	112	1281
Rühle, Ernst. (See Seemen, Rühle, and Fallner.)						
Rukenbrod, Robert P., Turtlecreek, Pa. Electric controller for alternating currents	756,711	Apr. 5	981	216	109	1553
Rule, John A., assignor to American News Paper Distributing Company, Cincinnati, Ohio. Coin-operated vending-machine	770,928	Sept. 27	4434	724	112	823
Rullman, Adolph A. and D. Wathena, Kans. Washing-machine	762,199	June 7	1110	238	110	1680
Rullman, David D. (See Rullman, Adolph A. and D. D.)						
Rumberg, Peter S., Norway, Mich. Steam-cooker	755,392	Mar. 22	4266	942	109	981
Rumbold, Frank M. (See Phillips, William A., assignor.)						
Rumely, William N., Laporte, Ind. Thresher-toothing	751,017	Feb. 2	433	102	108	1153
Rumely, William N., and W. C. Robby; said Robby assignor to M. Rumely Company, Laporte, Ind. Clover-hulch	752,421	Feb. 16	3097	687	108	1764
Rumery, John, Cleveland, Ohio. Pipe and nut wrench	763,427	June 28	3627	781	110	2289
Rummier, William R. (See Moork, George, assignor.)						
Rumpf, Frederick. (See Rumpf, Herman and F.)						
Rumpf, Herman, Bellevue, and F. Rumpf, Newport, Ky. Spring bed or seat	768,149	Aug. 23	4130	869	111	2012
Rundall, John G., Marion township, Linn county, Iowa. Straw-stacker	770,390	Sept. 20	2380	505	112	575
Rundie, Daniel M. and R. W. Harrisburg, Ill. Egg-case	778,711	Dec. 27	4434	971	113	2434
Rundie, Fred A., Harvey, Ill. Brake	766,117	July 26	4434	950	111	1004
Rundie, Ralph W. (See Rundie, Daniel M. and R. W.)						
Rundie, William, Johannesburg, Transvaal. Nut-lock	757,775	Apr. 19	3148	684	109	2049
Rundie, William E., East Orange, N. J. Underground-cable-system chart	759,020	May 3	861	175	110	198
Rundquist, William, assignor of one-half to H. G. Weatherill, Elgin, Ill. Screw-driver	774,112	Nov. 1	1144	244	113	259
Runge, Carl. (See Wackerow, George L., assignor.)				245		
Runge, Eduard, assignor to Greve, Herzberg and Company, Berlin, Germany. Type- writer	758,563	Apr. 26	4694	1012	109	2408
Runge, Fred C. (See Eisold, Gustav, assignor.)				1013		
Runge, Walter C., London, England. Telephone-receiver	759,316	May 10	1507	303	110	364
Runge, Walter C., London, England. Telephone system and apparatus therefor	776,090	Nov. 29	5175	1093	113	1234
Runge, Walter C., London, assignor to Talkophone Syndicate, Limited, Westminster, England. Graphophone, phonograph, or the like	756,289	Apr. 5	102	39, 40	109	1385
Runge, William, assignor to Seneca Falls Manufacturing Company, Seneca Falls, N. Y. Clutch for lathes or other purposes	766,529	Aug. 2	790	166	111	1214
Runnells, William F. (See Sanborn and Runnells.)						
Runyan, Elmer G., Washington, D. C. Wearing-apparel	749,228	Jan. 12	1390	297	108	339
Runyon, Daniel J. (See Bowly, Franklin H., assignor.)						
Rupley, George H., Schenectady, N. Y., assignor to General Electric Company. Coat- ing-machine	752,592	Feb. 16	3406	759	108	1834
Rupp, Charles, Philadelphia, Pa. Closing device for sashes	774,605	Nov. 8	2042	446	113	470
Rupp, Peter, Whitehouse, Ohio. Corn-husker	772,296	Oct. 11	2185	477	112	1447
Ruppel, Henry. (See Kerwick and Ruppel.)						
Ruppan, Frank W., Philadelphia, Pa. Door-holder	776,946	Dec. 6	975	209	113	1642
Rusby, Joseph H., Nutley, N. J. Electric switch	758,478	Apr. 26	4520	971	109	2369
Ruschhaupt, Frederick M., Milwaukee, Wis. Composition of matter for manufactur- ing slates or other coverings	761,788	June 7	330		110	1517
Rusden, Richard H., Rossland, Canada. Miner's candlestick	753,165	Feb. 23	4549	1014	108	2105
Rush, Allan C., Los Angeles, Cal. Crude-hydrocarbon burner	752,593	Feb. 16	3408	759	108	1835
Rush, Allan C., Los Angeles, Cal. Hydrocarbon-burner	760,703	May 24	4220	807	110	997
Rush, Allan C., Los Angeles, Cal., assignor to Rush National Oil Burner Company. Hy- drocarbon-burner	769,112	Aug. 30	6101	1276	111	2469

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Rush, Andrew J., Lakecreek, Tex. Stalk-cutter	760,923	May 24	4667	998 994	110	1092
Rush, Delbert D., Duluth, Minn. Banana storage and show case	776,690	Dec. 6	451	100	113	1527
Rush, Martin V., Anderson, Ind. Vehicle-tire	763,920	Mar. 8	1419	319	109	327
Rush National Oil Burner Company. (See Rush, Allan C., assignor.)						
Rushmore, David B., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Dynamo-electric machine	751,563	Feb. 9	1442	328	108	1385
Rushmore, Samuel, Jersey City, N. J. Acetylene-gas generator	763,118	June 21	2969	640 641	110	2122
Rushton, Kenneth, assignor to Burnham, Williams & Company, Philadelphia, Pa. Relief-valve for locomotives	749,101	Jan. 5	1107	234	108	254
Rusk, Stanley W. (See Chase, Albert F., assignor.)						
Rusk, William T., Sterling, Nebr. Washing-machine	750,126	Jan. 19	3172	682	108	737
Russ, Charles, West Ealing, England. Time controlling mechanism for gas-cocks	773,987	Nov. 1	918	190	113	209
Russ, Friend A., Greenwich, Conn. Corset-stay	770,538	Sept. 20	2670	565	112	636
Russ, Julius, New York, N. Y. Display device	751,109	Feb. 2	597	138	108	1188
Russel, John A. (See Schmidt, Emil, assignor.)						
Russell, Alexander, Noblestown, Pa. Engine	750,705	Jan. 26	4249	922	108	988
Russell, Arthur G., Los Angeles, Cal. Photographic half-tone color screen and chart	766,389	Aug. 2	490	105	111	1149
Russell, Charles H., Manistee, Mich. Folding box or crate	751,944	Feb. 9	2171	490	108	1541
Russell, Clayton W., Springfield, Ohio. Controlling device for motor-vehicles, &c.	773,812	Nov. 1	521	114	113	121
Russell, E. A. (See Jones, Charles B., assignor.)						
Russell, Edgar A., assignor to J. B. Underwood, New Haven, Conn. Shade-holder	767,813	Aug. 9	2395	500	111	1589
Russell, Edwin L., Cleveland, Ohio. Steering connection for motor-vehicles	773,816	Mar. 1	182	41	109	42
Russell, Edwin L., Dallas, Texas. Driving and steering mechanism for motor-vehicles	753,317	Mar. 1	184	42	109	43
Russell, Edwin L., assignor to Russell Motor Vehicle Co., Cleveland, Ohio. Muffler for hydrocarbon-engines	749,883	Jan. 19	2703	577	108	639
Russell, Edwin L., assignor to Russell Motor Vehicle Company, Cleveland, Ohio. Multiple-cylinder hydrocarbon-engine	758,854	May 3	535	110	110	127
Russell & Erwin Manufacturing Company. (See Caley, Charles J., assignor.)						
Russell & Erwin Manufacturing Company. (See Caley and Crandall, assignors.)						
Russell & Erwin Manufacturing Company. (See Crandall, Nathan W., assignor.)						
Russell and Erwin Manufacturing Company. (See Jones, Horace K., assignor.)						
Russell & Erwin Manufacturing Company. (See Voight, Henry G., assignor.)						
Russell, Francis P. (See Watson, Lewis O., assignor.)						
Russell, Frank C., assignor to A. Schoen, W. and C. H. Gibbs, Canton, Ohio. Blanket-holder	759,921	May 17	2684	563	110	637
Russell, Frank J., New York, N. Y. Prismatic lamp	751,208	Feb. 2	803	184	108	1228
Russell, Frank J., New York, N. Y. Electric connection	755,395	Mar. 22	4267	943	109	951
Russell, Frank J., New York, N. Y. Electrical connection	774,202	Nov. 8	1299	276	113	311
Russell, Frank J., New York, N. Y. Drop-circuit cut-out	774,203	Nov. 8	1304	277	113	311
Russell, Frank K., Dallas, Tex. Boring-machine	750,897	Feb. 2	324	51	108	1107
Russell, Fred and R. B., Cripplecreek, Colo. Drill	767,249	Aug. 9	2284	478	111	1565
Russell, George, assignor to McKeesport Plate Company, McKeesport, Pa. Painting-machine	750,307	Jan. 26	3502	758	108	829
Russell, George E. (See Ames, Lyon, and Russell.)						
Russell, George E. (See Russell, William H. and G. E.)						
Russell, George E., and J. M. Ames, New York, N. Y., assignors to American Car & Foundry Company, St. Louis, Mo. Hopper-car	763,696	June 28	4115	897 898	110	2393
Russell, Herbert H., New Haven, Conn. Adjustable collapsing tap	765,906	July 26	4017	857 858	111	915
Russell, Hiram J., Crescent Mills, Cal. Combined concentrator and amalgamator	750,706	Jan. 26	4250	922	108	988
Russell, James L., Boston, Mass. Automatic circuit-closer	755,048	Mar. 22	3637	796	109	844
Russell, Jerome E., Titonka, Iowa. Sulky-plow	759,754	May 10	2353	491 492	110	548
Russell, Jesse M. (See Dimpsey, Nelson W., assignor.)						
Russell, John A., Chicago, Ill. Machine for cutting mantels for incandescent lights or other material	760,760	May 24	4347	923 924	110	1024
Russell, John J., Jr., Deepwater, Mo. Storm-shield for vehicles	759,755	May 10	2357	921	110	549
Russell, John J., Jr., Deepwater, Mo. Mail-pouch	766,973	Aug. 9	1741	365	111	1448
Russell, John J., Jr., Deepwater, Mo. Curtain-pole	772,829	Oct. 18	3241	706	112	1696
Russell, John J., Jr., Deepwater, Mo. Storm-shield for vehicles	774,113	Nov. 1	1146	245	113	259
Russell, John J., Milton, New South Wales, assignor to J. Channon, Hornsby, near Sydney, Australia. Brake-leather holder for road-vehicles	769,836	Sept. 13	1345	287	112	323
Russell, John J., Milton, assignor to J. Channon, Pakenham, New South Wales, Australia. Seal-lock	777,749	Dec. 20	2514	555	113	2010
Russell, Lewis N., Elba, Okla. Terr. Corn-harvester	762,098	June 7	911	188	110	1635
Russell, Loren, Carthage, Ill. Flue-stopper	772,255	Oct. 11	2112	662	112	1429
Russell Manufacturing Co. (See Frissell, Frank H., assignor.)						
Russell Manufacturing Company. (See Fisher, William C., assignor.)						
Russell Motor Vehicle Co. (See Russell, Edwin L., assignor.)						
Russell, Nola F., Chicago, Ill. Combination walking-stick and stool	757,776	Apr. 19	3150	685	109	2049
Russell, Richard, Stephen, Minn. Ditching and grading machine	757,417	Apr. 12	2412	526	109	1872
Russell, Richard, Stephen, Minn. Road grading and ditching machine	775,990	Nov. 29	4968	1053	113	1191
Russell, Robert C., and A. W. Siegel, Williamsport, Pa. Carpet-fastener	752,360	Feb. 16	2968	606	108	1738
Russell, Roswell P. (See Russell, Fred and R. P.)						
Russell, Silas B., assignor to Parker-Russell Mining & Manufacturing Company, St. Louis, Mo. Closure for gas-retorts	758,935	May 3	709	142 143	110	166
Russell, T. H., et al. (See White, Walter S., assignor.)						
Russell, Theodore L., Emlenton, Pa. Nut-lock	756,145	Mar. 29	5706	1259	109	1313
Russell, Thurbur F., Newton, Mass. Paper-fastening device	767,444	Aug. 16	2652	558	111	1664
Russell, Wilder W., Bayonne, N. J. Wall-wash	749,450	Oct. 12	1863	943	108	438
Russell, William, Hamilton, Canada. Machine for shocking grain	773,342	Oct. 25	4451	944	112	1987
Russell, William A. (See Buell, John N., assignor.)						
Russell, William G., Russell, Kans. Slope-stake attachment for engineers' transits	754,897	Mar. 15	3354	733	109	766
Russell, William H. and G. E., Jersey City, N. J., assignors to Inter Gas Power Company. Means for carbureting air	775,859	Nov. 22	4703	996	113	1110
Russell, William H. and G. E., Jersey City, N. J., assignors to Inter Gas Power Company. Gas-generating apparatus	777,545	Dec. 13	2124	465	113	1912
Russell, William J., Charleston, Nebr. Car-brake	749,102	Jan. 5	1109	224 235	108	255
Russell, William M., assignor to T. Asencio, W. M. Ernst, B. F. Montanye, Phoenix Investment Company, New York, N. Y., and T. F. Bourne, Montclair, N. J. Pulverizer	768,955	Aug. 30	5788	1217	111	2401

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Rust, Edwin G., Pueblo, Colo. Valve mechanism for blowing-engines.....	766,732	Aug. 2	1218	258	111	1311
Rust, Edwin G., Elk Rapids, Mich. Boiler.....	772,297	Oct. 11	2189	478	112	1447
Rust, Emory G., Dallas, Tex. Window-screen hanger.....	772,001	Oct. 11	1571	352	112	1308
Rust, George M., and E. J. Faulstich, Dayton, Ohio. Shade or curtain holder.....	750,898	Feb. 2	237	51	108	1108
Rust, Peter C. (See Irwin, William A., assignor.)						
Rutenber, Menzo A., Chicago, Ill. Carburetor for hydrocarbon-engines.....	759,396	May 10	1677	339	110	400
Ruth Automatic Knitting Machine Company. (See Ruth, George W., assignor.)						
Ruth, David C., assignor of one-half to M. S. and G. A. Hege, Halstead, Kans. Self-feeder for threshing-machines.....	764,824	July 12	1909	391	111	434
Ruth, George W., Norristown, Pa., assignor to Ruth Automatic Knitting Machine Company. Stop-motion for knitting-machines.....	750,225	Jan. 19	3346	723	108	775
Ruth, George W., Norristown, Pa., assignor to Ruth Automatic Knitting Machine Company. Stop-motion for knitting-machines.....	751,811	Feb. 9	1910	433	108	1483
Ruth, George W., York, Pa., assignor to Ruth Automatic Knitting Machine Company. Knitting-machine.....	759,021	May 3	864	175	110	198
Ruth, John S., assignor of one-half to C. R. Darrow, Youngstown, Ohio. Washing-machine.....	770,391	Sept. 20	2391	505	112	575
Ruth, Samuel D., Beatrice, Nebr. Paper cutting and folding machine.....	749,905	Jan. 19	3743	587	108	648
Ruth, Samuel D., Beatrice, Nebr. Paper cutting and folding machine.....	766,905	Aug. 9	1605	337	111	1416
Ruth, Samuel D., Beatrice, Nebr. Paper cutting and folding machine.....	768,484	Aug. 23	4805	1046	111	2164
Ruth, William P., and W. H. Jones, Downs, Kans. Belt guide and shifter.....	761,545	May 31	5880	1260	110	1376
Rutherford, Adam, Camden, N. J. Plume for harness.....	770,188	Sept. 13	1975	419	112	460
Rutherford, Robert, Portland, Ore. Ironing apparatus.....	760,256	May 17	3343	703	110	786
Ruthven, John, Chicago, Ill. Carburetor.....	768,074	June 21	2896	625	110	2107
Ruthven, William, Chicago, Ill. Gearing for washing-machines.....	759,554	May 10	1974	403	110	467
Rutishauser, John J., et al. (See Beal, William C., assignor.)						
Rutledge, Miriam, Grand Forks, N. D. Seat for water-closets.....	756,897	Apr. 12	1365	304	109	1649
Rutter, Everett W. (See Miller, William C., assignor.)						
Ruttmann, Charles F., Valparaiso, Nebr. Office-indicator.....	750,226	Jan. 19	3349	724	108	775
Ruud, Edwin, Pittsburg, Pa. Gas-burner.....	761,409	May 31	5650	1203	110	1325
Ruud Manufacturing Company. (See Ellis, John, assignor.)						
Ryan, Bernard B. (See Francis and Ryan.)						
Ryan, Catharine, St. Paul, Minn. Nut-lock.....	769,717	Sept. 13	1109	238	112	269
Ryan, Christopher J., St. Paul, Minn. Baling-press.....	764,634	July 12	1532	311	111	349
Ryan, Daniel A., Midland, Md. Lunch bucket or pail.....	773,988	Nov. 1	919	190	113	309
Ryan, Daniel D., Renault, Ill. Door-check.....	755,705	Mar. 29	5046	1121	109	1167
Ryan, David A., Centralia, Ill. Clothing case and hanger.....	769,024	Aug. 30	5935	1243	111	2434
Ryan, Frank G., assignor to Parke, Davis & Company, Detroit, Mich. Device for storing and administering serums.....	754,015	Mar. 8	1591	355	109	367
Ryan, George F., Chicago, Ill. Soil-pipe fitting.....	770,599	Oct. 20	2672	565	112	636
Ryan, James B., Kansas City, Mo. Broom-bridle.....	751,343	Feb. 2	1057	240	108	1283
Ryan, James P., Enfield, N. H. Stop-motion for fulling-mills.....	758,107	Apr. 26	3793	824	109	2208
Ryan, John T., St. Louis, Mo. Overshoe for horses.....	759,636	May 10	2141	440	110	501
Ryan, Michael B., Boston, Mass. Button.....	752,925	Feb. 23	4099	913	108	2004
Ryan, Michael J., Haverhill, Mass. Cook or faucet.....	769,491	Sept. 6	700	151	112	160
Ryan, Patrick. (See Brockschmidt and Ryan.)						
Ryan, Patrick, assignor of one-half to P. F. Donohue, New York, N. Y. Ball-winding-machine.....	762,090	June 7	913	188	110	1635
Ryan, Pearl M., Atlanta, Ga. Pocket utensil.....	755,172	Mar. 22	3844	848	109	991
Ryan, Timothy J., Des Moines, Iowa. Farm-gate.....	753,166	Feb. 23	4550	1014	108	2105
Ryan, William F. (See Sullivan and Ryan.)						
Ryan, William J. (See Sanders, William, assignor.)						
Rydahl, Herman G. V., Stockholm, Sweden. Fireproof skeleton flooring.....	764,772	July 12	1793	368	111	409
Ryder, Andrew V., assignor to Ohio Cultivator Company, Bellevue, Ohio. Two-row lister-cultivator.....	749,906	Jan. 19	3746	588	108	648
Ryder, Edith. (See Ryder, Andrew V., assignor.)						
Ryding, Herbert C., Elyria, Ohio. Boiler-tube cleaner.....	752,594	Feb. 16	3412	760	108	1836
Ryduquist, Adolph, assignor to Case Manufacturing Company, Rochester, N. Y. Coin-controlled vending apparatus.....	765,680	July 26	3570	757	111	823
Rykert, Archibald E. (See Cruikshank, Arthur B., assignor.)						
Rylands, James J., Homestead, Pa., assignor to Homestead Valve Manufacturing Company. Valve.....	751,812	Feb. 9	1914	435	108	1484
Rylatt, Matthew H., Old Leake Boston, England. Drain-pipe.....	749,750	Jan. 19	2463	524	108	586
Ryman, Edward F., and E. W. Stevenson, Wilkesbarre, Pa.; said Stevenson assignor to said Ryman. Railway-signal.....	777,435	Dec. 13	1900	418	113	1663
Rymerson, Wallace M., Kansas City, Mo. Emergency car-brake.....	758,855	May 3	544	110	110	129
Ryon, Eppa H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Swivel-loom.....	772,536	Oct. 18	2677	589	112	1374
Ryon, Eppa H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up mechanism for narrow-ware looms.....	753,741	Mar. 1	1007	229	109	217
Ryon, Eppa H., Worcester, Mass. assignor to Crompton & Knowles Loom Works. Loom-harness eveners.....	760,761	May 24	4351	924	110	1025
Rypinski, Maurice C., Schenectady, N. Y., assignor to General Electric Company. Means for protecting electrical measuring instruments.....	772,180	Oct. 11	1953	431	112	1391
Ryser, Adolf. (See Fankhauser, Ryser, and Knibiehler.)						
Ryser, Frank A., Chicago, Ill. Corn-shocker.....	757,056	Apr. 12	1687	367	109	1717
Ryther, Frank A., Chicago, Ill., assignor to International Harvester Company. Grain-binder.....	764,381	July 5	972	196	111	216
Ryther, James T., Lynn, Mass. Building construction.....	776,032	Nov. 29	5071	1070	113	1212
S. H. Hovos Company. (See Barbeau, Malcolm L., assignor.)						
S. Karpen & Bros. (See Karpen, Isaac, assignor.)						
S. Pearson and Son. (See Blair, Ernest W., assignor.)						
S. H. Howe Shoe Company. (See Duplessis, Paul, assignor.)						
S. H. Wetmore Co. (See Hawley, George F., assignor.)						
S. M. Hovos Company. (See Frenning, John E., assignor.)						
S. S. White Dental Manufacturing Company. (See Browne, Arthur W., assignor.)						
Samm, Henry, Mohawk, Mich. Governor for air-compressors.....	753,633	Mar. 1	791	176	109	173
Saare, Otto. (See Rieche and Saame.)						
Saatz, Erich, Clausgahsen, near Wangerin, Germany. Lifter for potato-diggers.....	774,785	Nov. 15	2435	525	113	580
Sabin, Willard C., Laurel, Nebr. Machine for picking ears of corn.....	748,656	Jan. 5	199	47	108	44
Sable, Andrew E., Nanticoke, Pa. Grain-separator.....	770,507	Sept. 20	2609	553	112	632

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Sabroe, Axel, Aastrup, near Hadersleben, Germany. Machinery for separating stone from clay.....	763,022	June 21	2783	608	110	2082
Sachers, Ralph J., assignor, by mesne assignments, to J. A. Wetmore, New York, N. Y. Planographic printing.....	758,108	Apr. 26	3794	824	109	2208
Sachers, Ralph J., assignor, by mesne assignments, to Aluminum Compound Plate Company, New York, N. Y. Printing-plate.....	758,599	Apr. 26	4769	1026	109	2425
Sachs, Ernst, Schweinfurt, Germany. Cycle-hub.....	777,811	Dec. 20	2662	586	113	2040
Sachs, Gustav A., Eugene, Oreg. Burglar-alarm.....	759,637	May 10	2143	441	110	501
Sachs, Joseph, assignor to Johns-Pratt Company, Hartford, Conn. Insulating and suspending device.....	757,418	Apr. 12	2412	526	109	1872
Sachs, Joseph, assignor to Johns-Pratt Company, Hartford, Conn. Insulating and suspending device.....	773,507	Dec. 27	4067	887	113	2352
Sachse, Louis, Los Angeles, Cal. Gold-saving apparatus.....	750,227	Jan. 19	3350	724	108	776
Sachse, Louis, Oroville, Cal. Gold-saving apparatus.....	774,798	Nov. 15	2437	526	113	580
Sachse, Otto, assignor to Triplex, Gesellschaft für Soole-Verdampfung im Vacuum M. B. H., Lüneburg, Germany. Making pure salt.....	773,343	Oct. 25	4458		112	1989
Sack, August A., Providence, R. I. Combing-machine attachment.....	774,899	Nov. 8	1655	355	113	389
Sack, Lawrence, Farwell, Nebr. Plow.....	756,414	Apr. 5	452	83	109	1439
Sackett, August J., Baltimore, Md. Pulverizing-mill.....	777,922	Dec. 20	2912	640	113	2089
Sackett, Charles E., Fall River, Mass. Loom-shuttle.....	758,783	May 3	406	81, 82	110	100
Sackett, Charles E., Fall River, Mass. Loom-shuttle box.....	758,784	May 3	409	82	110	100
Sackett, Charles E., assignor to Old Colony Hat Co., Fall River, Mass. Renovating old hat-bodies.....	762,000	June 7	758		110	1604
Sackett, George R. (See Smith, John H., assignor.).....						
Sackett, George R., Fenelon, Nev. Meat-tenderer.....	772,964	Oct. 25	3524	763	112	1778
Sackett, Homer M., Telluride, Colo. Lading apparatus for tramways.....	757,777	Apr. 19	3151	685	109	2050
Sackett, Homer M., Telluride, Colo. Rock and ore crusher.....	758,280	Apr. 26	4184	893	109	2283
Sackman, John M., Carrollton, Ill. Scaffolding-bracket.....	767,768	Aug. 16	3268	689	111	1802
Sackman, Joseph L. (See Mielck, Heinrich, assignor.).....						
Saco & Pettie Machine Shops. (See Mills, Charles, assignor.).....						
Sacray, Henry R., Monroe City, Ind. Non-refillable bottle.....	771,502	Oct. 4	552	124	112	1075
Sadler, Edward, Upper Rooting, England. Electric indicator.....	760,503	Dec. 24	3998	836	110	937
Sadler, Louis E., assignor to F. H. Sadler Company, Attleboro, Mass. Ornamental finger-ring.....	776,804	May 6	687	151	113	1578
Sadler, Warren H. (See Welch, Rosia W., assignor.).....						
Saecker, H Julius, Tomah, Wis. Combined fuel stopper and cap.....	760,537	Sept. 13	1346	288	112	323
Saegmuller, George N., Washington, D. C. Telescope-support.....	773,813	Nov. 1	523	114	113	121
Saenger, Moritz, Magdeburg, Germany. Medicament-vaporizer.....	759,937	May 10	1678	389	110	400
Safety Car Heating & Lighting Company. (See Creveling, John L., assignor.).....						
Safety Car Heating & Lighting Company. (See Dixon, Robert M., assignor.).....						
Safety Car Heating & Lighting Company. (See Stevens, Merton P., assignor.).....						
Safety Car Heating & Lighting Company. (See Thomson, William I., assignor.).....						
Safety Car Heating & Lighting Company. (See Towne, Joseph M., assignor.).....						
Saffell, Frederick, Fresno, assignor of one-half to R. J. Powers, San Leandro, Cal. Steam-generator.....	749,451	Jan. 12	1864	387	108	438
Saffell, Silas B., Indianapolis, Ind. Foot-rest for chairs.....	778,074	Dec. 20	3204	705	113	2149
Safford, Lafayette E., Allegheny, assignor to Keystone Electric and Manufacturing Co., Pittsburgh, Pa. Electric-arc lamp.....	777,146	Dec. 13	1356	299	113	1744
Safford, William H., Jr., New York, N. Y. Music-leaf turner.....	759,022	May 3	866	176	110	199
Sage, Noah E. (See Franklin and Sage.).....						
Sage, Ralph V. (See Gifford and Sage.).....						
Sage, Ralph V. (See Moore and Sage.).....						
Sage, Ralph V., Westmont, Pa. Bolster for cars.....	774,098	Nov. 8	2217	483	113	508
Sage, Ralph V., and L. R. Gifford, Westmont, Pa. Sheet-piling.....	776,147	Nov. 29	5281	1116	113	1259
Sagendorph, Frank E., 2d, and B. J. Steinberg, assignors to American Metal Stamping Company, Philadelphia, Pa. Separator-follower for packages, boxes, or the like.....	769,025	Aug. 30	5998	1244	111	2435
Sager, Chauncy A., Elmonte, assignor to J. T. Pollock, Los Angeles, Cal. Thill-coupling.....	758,193	Apr. 26	3951	857	109	2244
Sager, Eli E., J. Sagmeister, and W. H. Dow, assignors to Dust Guard Manufacturing Company, Seattle, Wash. Dust-guard for car-axle boxes.....	749,327	Jan. 12	1591	337	108	382
Sager, George A., Albany, N. Y. Dust-arrestor.....	778,075	Dec. 20	3206	705	113	2149
Sager, James H., and G. D. Green, assignors to Regas Automobile Company, Rochester, N. Y. Means for cooling heated surfaces.....	775,860	Nov. 22	4705	996	113	1110
Sagerdahl, John A., Youngsville, Pa. Boiler-tube cleaner.....	774,699	Nov. 8	2219	484	113	509
Sagmeister, John. (See Sager, Sagmeister, and Dow.).....						
Sahlila, Axel, Millom, England. Gas-fired boiler.....	754,095	Mar. 8	1750	389	109	401
Sahulka, Johann, Vienna, Austria-Hungary. Electropneumatic system of driving.....	755,173	Mar. 22	3845	849	109	892
Saiger, Ferdinand J., Chicago, Ill. Cabinet.....	749,884	Jan. 19	2705	578	108	639
Sailer, John M., Janesville, Wis. Feeder for threshing-machines.....	764,680	July 12	1617	330	111	370
Sailor, Charles, Washington, D. C., assignor to National Dairy Products Manufacturing Company, Churn.....	764,075	July 5	330	64	111	72
Saino, Felix L., Memphis, Tenn. Fire-door.....	768,390	Aug. 2	493	105	111	1149
Saint Chamas, Albert de, Chicago, Ill. Envelop-clip.....	756,712	Apr. 5	982	217	109	1554
Saint Léger, Gustave M. de, London, England. Spring-wheel.....	759,683	May 10	2144	441	110	502
Saks & Company. (See Fox, Robert, assignor.).....						
Salemi, Paolo L., New York, N. Y. Safety gas-valve.....	768,485	Aug. 23	4808	1007	111	2164
Salgue, John A., Rome, Ga., assignor to Chambers Brothers Company. Cleaning device for cut-off wires.....	761,410	May 31	5651	1203	110	1325
Saliger, Alois B. (See Wallman and Saliger.).....						
Saliger, Alois B., assignor to International Business Exchange, New York, N. Y. Stenographic type-writing machine.....	753,213	Mar. 1	186	42	109	43
Salting, Thomas W., and J. McKiel, Marshall, Tex. Car-door.....	763,490	Mar. 22	3629	796	109	815
Salting, Thomas W., and J. B. McKiel, Marshall, Tex. Beamless brake.....	770,929	Sept. 27	3436	725	112	824
Salsbury, Charles K., Lincoln township, Blackhawk county, Iowa. Wireless telegraphy.....	761,256	May 31	5344	1136	110	1257
Salsbury, Charles K., Lincoln township, Blackhawk county, Iowa. Adjustable bolometer detector for electromagnetic waves.....	778,275	Dec. 27	3601	787	113	2353
Salsbury, Clark W., assignor to Salsbury Wheel & Manufacturing Company, Jamestown, N. Y. Wheel.....	762,940	June 21	2660	576	110	2054
Salsbury, E. B. (See Bowling, William, assignor.).....						
Salsbury, Warren M., Chicago, Ill. Diaphragm for car-vestibules or the like.....	758,097	May 3	179	38	110	43
Salsbury, Warren M., Chicago, Ill. Diaphragm for car-vestibules or the like.....	758,856	May 3	545	111	110	130

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Salisbury Wheel & Manufacturing Company. (See Salisbury, Clark W., assignor.)						
Salisbury, Wilbur A., assignor of one-half to C. O. Goss, Winona, Minn. Apparatus for generation of gas.	766,530	Aug. 2	791	166	111	1214
Sall, Isaac J., Deerwood, and J. O. Nelson, Aitkin, Minn. Rein-holder.	764,773	July 12	1796	167	111	409
Salmon, Bourdett W., French Camp, Cal. Thresher.	766,619	Dec. 6	806	67	113	1497
Salmons, Robert H., Rochester, N. Y. Tap for barrels, casks, &c.	775,609	Nov. 22	4219	888	113	1008
Salo, John B. (See Hoag and Salo.)						
Salo, John B., assignor of one-half to A. H. Hoag, New York, N. Y. Incandescent burner.	773,680	Nov. 1	284	64	113	67
Salo, John B., assignor of one-half to A. H. Hoag, New York, N. Y. Gas-burner.	778,712	Dec. 27	4435	971	113	2435
Salo, John B., and A. H. Hoag, New York, N. Y. Carburetor.	773,679	Nov. 1	379	64	113	67
Salom, John, assignor of one-third to J. F. Cunningham, New York, N. Y. Boat-propeller.	778,763	Dec. 27	4538	993	113	2457
Salom, Pedro G., Philadelphia, Pa. Manufacture of sulfuric acid.	755,247	Mar. 22	3982	884	109	919
Salomon, Joseph, Chicago, Ill. Wire furniture.	751,419	Feb. 2	1181	369	106	1308
Salsbury, Lester L. M., Fruitvale, Cal. Advertiser's device.	773,526	Oct. 25	4868	1027	112	2078
Saltar, John, Jr., Philadelphia, Pa. Gas-retort charger.	756,059	Mar. 29	5546	1224	109	1280
Salubrita, Gesellschaft mit Beschränkter Haftung. (See Lebach, Elias, assignor.)						
Salvesen, Jens, Camden, N. J. Launching-way.	766,974	Aug. 9	1743	365	111	1449
Salzberg, Karl, Galesburg, Ill. Detachable handle for valises, &c.	776,805	Dec. 6	688	151	113	1578
Salzmann, Max, Magdeburg-Buckau, Germany. Press.	740,828	Jan. 12	1593	338	108	383
Salzmann, Max, Magdeburg-Buckau, Germany. Tubular drying apparatus.	770,333	Sept. 27	3236	682	112	779
Sames, Fred M., et al. (See Mohlenhoff, Hermann J., assignor.)						
Sammer, François X., Le Reposoir, near Nyon, Switzerland. Mowing and harvesting machine.	773,989	Nov. 1	920	191	113	209
Sammons, William H., Sioux City, Iowa. Balance-book and index.	753,864	Feb. 23	3950	886	108	1970
Samp, Charles L., Chelsea, Mich. Hay-loader.	773,990	Nov. 1	921	191	113	209
Sample, Charles B., Teriton, Okla. Ter. Cotton blending and cleaning apparatus.	763,798	June 28	4317	939	110	2436
Sampson, Ples H., assignor of one-half to W. H. S. Brady, Kansas City, Mo. Tender for traction-engines.	749,065	Jan. 19	3062	167	108	714
Sampson, Robert W., Quebec, Canada, assignor of one-half to L. Schwab, Newark, N. J. Puncture-closer.	759,555	May 10	1976	404	110	467
Sampson, Theodore O., Bue, N. D. Wrench.	765,324	July 19	2847	596	111	652
Sampson, Theodore O., Bue, N. D. Wrench.	776,761	Dec. 6	596	129	113	1558
Sampson, Walter S., Chicago, Ill. Confectionery-machine.	774,204	Nov. 8	1306	277	113	312
Sampson, Winslow F., Medford, Mass. Scaling-ladder.	769,237	Sept. 6	194	46, 47	112	43
Sams, W. T. (See Beaman, John W., assignor.)						
Samson Iron Works. (See Kroyer, John M., assignor.)						
Samuel Cupples Envelope Company. (See Wolf, Paul J., assignor.)						
Samuel, Leopold S., Newark, N. J. Soap cake.	754,243	Mar. 8	2027	450	109	462
Samuels, Jacob, Chicago, Ill., assignor of one-third to J. A. Pitts, Kenosha, Wis. Insect-catcher.	756,415	Apr. 5	454	94	109	1439
Samuels, Joe. (See Hughes, Wallace B., assignor.)						
Samuelson, Alfred L., Osseo, Wis. Cultivator.	756,896	Apr. 12	1366	304	109	1649
San Gabriel Valley Essential Oil Company. (See Sheehan, Edward J., assignor.)						
Sanander, Andrew, assignor to Foss Gas Engine Company, Springfield, Ohio. Governor for explosive-engines.	760,762	May 24	4353	924	110	1026
Sanborn, Andrew F., Jr. (See Bates and Sanborn.)						
Sanborn, Charles H., and W. F. Rannels, Newburyport, Mass., assignors to Albert Russell & Sons Company. Ship-pump.	758,022	Apr. 19	3613	781	109	2151
Sanborn, Charles W. H., et al. (See Smith, Adolphus G., assignor.)						
Sanborn, Cora A., Chicago, Ill. Device for grooving or tapping rubber or other sap-yielding trees.	755,248	Mar. 22	3983	884	109	920
Sanborn, Cora A., Chicago, Ill. Device for grooving or tapping rubber or other sap-yielding trees.	776,691	Dec. 6	452	100	113	1527
Sanborn, James G., assignor of one-half to W. H. Stevens, Portland, Me. Grain-car door.	753,811	Mar. 1	1190	368	109	256
Sanburn, Willis H., Mittineague, Mass. Rag-dusting machine.	753,213	Feb. 23	4647	1094	108	2126
Sancier, Samuel A. (See Suhr, Herman G., assignor.)						
Sandberg, Andrew G., St. Paul, Minn. Triple-valve-testing rack.	772,378	Oct. 18	2366	519	112	1507
Sandberg, Josephine, New York, N. Y. Satchel.	748,657	Jan. 5	200	47	108	44
Sandblom, Gustav, New York, N. Y. Machine for twisting flat metal bars.	777,224	Dec. 13	1495	331	113	1773
Sandbrook, Thomas, Kansas City, Mo. Line-sighting level.	778,508	Dec. 27	4069	887	113	2353
Sanden, Albert T., and V. Sence, New York, N. Y. Electric brush.	771,274	Oct. 4	106	24	112	985
Sander, Charles. (See Earl, Lewis F., assignor.)						
Sander, Charles, Philadelphia, Pa., assignor to Palma Manufacturing Company. Lace-making stand or device.	769,492	Sept. 6	701	151	112	160
Sander, John A., Newark, N. J. Meat-chopper.	756,713	Apr. 5	964	217	109	1554
Sanders, Albert. (See Fisher and Sanders.)						
Sanders, Alfred M., Morristown, Tenn. Wrench.	762,351	June 14	1423	308	110	1767
Sanders, George, Burton-upon-Trent, England. Cask-tilter.	748,658	Jan. 5	201	48	108	44
Sanders, George W., Gadsden, Ala. Cable-traction system.	767,837	Aug. 16	3421	722	111	1833
Sanders, James E., Dalton, Ga. Threshing and separating machine.	755,943	Mar. 29	5344	1179	109	1236
Sanders, James E., Dalton, Ga. Hay press.	771,576	Oct. 4	707	157	112	1110
Sanders, Louis, New York, N. Y. Buckle.	767,171	Aug. 9	2147	446	111	1535
Sanders, Rhoda A., Flint, Mich. Cover for pots or kettles.	766,006	July 26	4936	927	111	980
Sanders, Stephen P. (See Dow, Edgar L., assignor.)						
Sanders, Warren A., Hamilton, Ohio. Coating-machine.	760,020	May 17	2883	603	110	684
Sanders, Warren A., Hamilton, Ohio. Eccentric.	768,695	Aug. 30	5276	1109	111	2284
Sanders, William, North Birmingham, assignor to W. J. Ryan, Birmingham, Ala. Compound for coating eggs.	758,936	May 3	711	-----	110	166
Sanders, William W., Osceola, Wis. Gate.	774,787	Nov. 15	2443	527	113	581
Sanderson, Alfred W. S., Altrincham, England. Photographic squeegee-pad.	777,147	Dec. 13	1359	300	113	1745
Sanderson, Alfred W. S., and G. B. Bradshaw, Altrincham, England. Apparatus for printing photographic paper and films.	762,763	June 14	2377	496	110	1948
Sanderson, James G., Scranton, Pa. Gas-producer.	755,702	Mar. 29	4847	1077	109	1124
Sanderson, James W., Burlington, Iowa. Block-molding machine.	768,150	Aug. 23	4133	870	111	2012
Sanderson, James W., Burlington, Iowa. Rotary molding-machine.	768,151	Aug. 23	4135	871	111	2013
Sanderson, John, Pittsburg, Pa. Telescopic horn.	773,344	Oct. 25	4459	944	112	1989
Sanderson, John F., Libertyville, Ill. Threshing-machine and machine used for analogous purposes.	753,921	Mar. 8	1420	320	109	327
Sanderson, Richard P. C., Norfolk, Va., assignor to Star Brass Manufacturing Company, Boston, Mass. Relief-valve for locomotive-engine cylinders.	757,146	Apr. 12	1868	408	109	1757

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Sandford, John. (See Dix and Sandford.)						
Sandherr, Frederick H., St. Louis, Mo. Lathe-tool holder	760,021	May 17	2886	604	110	684
Sandifer, Robert G. J., assignor of one-half to I. H. Christopher, Hannibal, Mo. Car-fender	761,612	May 31	5997	1298	110	1403
Sandifer, William E., Lexington, Ky. Horseshoe	760,994	May 24	4668	994	110	1092
Sandifer, Harry E., New York, N. Y. Tooth-brush	758,109	Apr. 26	3796	824	109	2909
Sandifur, William H., Bowling Green, Ohio. Seed-planter	752,595	Feb. 16	3413	760	108	1896
Sandman, August G., St. Denis, Md. Car-brake	769,359	Sept. 6	441	99	112	98
Sandman, August G., St. Denis, Md. Combined air and hand brake	769,359	Sept. 6	443	99	112	98
Sandmann, David, Berlin, amty G. Eichelbaum, Charlottenburg, Germany. Preserving fruit-juices	770,658	Sept. 20	2896		112	687
Sandmeyer, John H., assignor of one-third to E. E. Swift, New York, N. Y. Ventilator for boots or shoes	760,401	May 17	3601	759	110	844
Sandner, Johann, assignor to A. Richard, Düsseldorf, Germany. Rolling-mill	767,314	Aug. 9	2396	501	111	1389
Sandoz, Henri, Tavannes, Switzerland. Stem winding and setting mechanism	760,647	May 24	4097	871	110	972
Sands, Edward L., Webb City, Mo. Safety-pin	757,351	Apr. 12	2279	498	109	1844
Sands, L. (See Knudsen, Anton M., assignor.)						
Sands, Lewis. (See Fraschl, Stephan, assignor.)						
Sands, Lewis, and C. C. Cadden, assignors to Williams-Abbott Electric Company, Cleveland, Ohio. Telephone-receiver	751,344	Feb. 2	1058	241	108	1283
Sandstrom, Charles E., Chicago, Ill. Picture-frame-putting machine, &c	772,433	Oct. 18	2472	542	112	1332
Sandstrom, Charles E., Chicago, Ill. Mechanical movement	778,802	Dec. 27	4608	1006	113	2472
Sandusky Foundry and Machine Company. (See Millspaugh, William H., assignor.)						
Sandvig, John J., Wilmot, S. D. Rain-water cut-off	758,479	Apr. 26	4321	971	109	2370
Sandycroft Roddy, Scotland. (See Kelly, Philip C., assignor.)						
Saner, John A., Northwich, England. Ship-lift	758,857	May 3	546	111	110	130
Sanford, Addison V., Elmira, N. Y. Acetylene-gas generator	763,638	June 28	3990	870	110	2366
Sanford, Charles L., Bellaire, Ohio. Handle for trunks	751,685	Feb. 9	1660	377	108	1499
Sanford, Charles L., Bellaire, Ohio. Shade-roller handle and adjuster	768,696	Aug. 30	5277	1109	111	2234
Sanford, George H. (See Sanford, Lewis H. and G. H.)						
Sanford, George W., assignor of one-third to J. Gray Thomaston, Conn. Vehicle-wheel	754,244	Mar. 8	2028	451	109	462
Sanford, James A., assignor to Jackson Cushion Spring Company, Jackson, Mich. Wire-bending machine	760,490	May 24	3782	801	110	902
Sanford, James D., Winchell, Tex. Sash-fastener	778,276	Dec. 27	3603	787	113	2253
Sanford, Lewis H. and G. H., Augusta, Me., assignors of one-half to W. B. Taylor, St. Louis, Mo. Electrical indicator	768,240	Aug. 23	4310	907	111	2051
Sang, Alfred, Sewickley, assignor to Garland Nut & Rivet Company, Pittsburg, Pa. Making washers	777,436	Dec. 13	1901	418	113	1863
Sanger, Chester H. (See Terjesen, Isaac H., assignor.)						
Sanger, Eugene H., Boston, Mass. Bearing for vertical shafts	755,703	Mar. 29	4848	1078	109	1125
Sanger, Eugene M., Boston, Mass. Bearing for vertical shafts	753,704	Mar. 29	4850	1079	109	1125
Sanger, Philip H., assignor of one-fourth to R. M. Walton, Onaway, Mich. Combined calipers and dividers	777,643	Dec. 13	2326	510	113	1953
Sanguinet, Edward A., assignor to Trio Patent Production Company, St. Louis, Mo. Toy pistol	771,751	Oct. 4	1098	231	112	1181
Sanguinetti, Jules M., Lille, France. Manufacture of whisky, gin, or other spirits	757,332	Apr. 12	3279	868	109	1844
Sanguinetti, Percy A., assignor to A. E. Martinsen, New York, N. Y. Vehicle-wheel	754,504	Mar. 15	2208	567	109	606
Sanitary Compressed Air and Suction Dust Removing Co. (See Lotz, Augustus, assignor.)						
Sanitary Manufacturing Company. (See Henn, William A. and J. B., assignors.)						
Sankey, Charles L., Yonkers, N. Y. Hose-nozzle	753,634	Mar. 1	792	177	109	173
Sankey, William E. (See Ray and Sankey.)						
Sansberry, Margaret L. (See Todd and Sansberry.)						
Sapper, Eugen, and F. Reubold, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Sulfo-acid ester and making same	765,597	July 19	3383		111	768
Sappington, T. H. (See Estes, William B., assignor.)						
Sarajian, Horcep, Yonkers, N. Y. Woven pile fabric	752,712	Feb. 23	3668	817	108	1908
Sarason, David, Berlin, Germany. Blotter	775,478	Nov. 22	3932	830	113	944
Sarfert Company. (See Sarfert, Max, assignor.)						
Sarfert, Max, Philadelphia, Pa., assignor to Sarfert Company. Singeing-machine	758,937	May 3	711	143	110	166
Sargeant, John F., Bracknell, England. Bicycle or cycle holder	764,774	July 12	1797	368	111	469
Sargent, Allan C., Granterville, Mass. Friction-clutch	773,806	Dec. 6	689	132	113	1573
Sargent, Alson C., Des Moines, Iowa. Dental handpiece	776,204	Nov. 29	5384	1141	113	1283
Sargent, Charles E., Chicago, Ill. Variable-speed mechanism	751,564	Feb. 9	1443	328	108	1385
Sargent, Charles E., Chicago, Ill. Valve for internal-combustion engines	752,304	Feb. 16	2863	637	108	1714
Sargent, Charles E., Greenville, Ill. Gate	773,527	Oct. 25	4871	1027	112	2079
Sargent, Charles E., Chicago, Ill., assignor of three-fourths to O. S. Lyford, New York, N. Y., and C. W. Hillard, trustee, Chicago, Ill. Governor for internal-combustion engines	752,109	Feb. 16	2483	554	108	1628
Sargent, Charles E., Chicago, Ill., assignor of three-fourths to O. S. Lyford, New York, N. Y., and C. W. Hillard, trustee, Chicago, Ill. Valve for internal-combustion engines	752,303	Feb. 16	2860	636	108	1713
Sargent, Charles W., Murray, Idaho. Drill-chuck	766,733	Aug. 2	1221	258	111	1312
Sargent & Company. (See Page, Albert A., assignor.)						
Sargent & Company. (See Shaw, John H., assignor.)						
Sargent, Fitz William, Mahwah, assignor to American Brake Shoe & Foundry Company, Jersey City, N. J. Brake-shoe	749,103	Jan. 5	1110	235	108	255
Sargent, Fitz William, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Brake-shoe	753,004	Feb. 23	4255	948	108	2039
Sargent, George H., Chicago, Ill. Differential commutation-ticket	760,155	May 17	3159	660	110	745
Sargent, George W., assignor to Carpenter Steel Company, Reading, Pa. Apparatus for indicating the magnetic condition of heating metals	777,730	Dec. 20	2516	556	113	2011
Sargent, Howard R.						
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Fusible cut-out	755,796	Mar. 29	5047	1121	109	1167
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp hanger	755,797	Mar. 29	5050	1121	109	1168
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Regulation of electric circuits	769,638	Sept. 6	952	206	112	217
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Cleat for electric conductors	769,639	Sept. 6	954	206	112	217
Sargent, Howard R., Rugby, England, assignor to General Electric Company. Fuse-plug	769,113	Aug. 30	6105	1276	111	2470
Sargent, John W., assignor to Providence Engineering Works, Providence, R. I. Engine-governor	760,808	May 24	4445	946	110	1045
Sargent, Willis H., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Weighing-scale	762,200	June 7	1112	238	110	1680

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Sargert, Charles A., Sheridanville, Pa. Fishing-tool for oil or like wells.....	750,491	Jan. 26	3841	884	108	905
Sarkisian, Dickran M. (See Springmeyer, Gustav A., assignor.)						
Sartain, Albert E., Columbus, Ohio. Automatic cut-off valve for gas-pipes.....	761,183	May 31	5201	1105	110	1226
Sartwell, William E., North Troy, Vt. Picker-stick check for looms.....	752,110	Feb. 16	2486	555	108	1628
Sarvela, Oskar A., Rockley, Cal. Fire-ladder.....	772,379	Oct. 18	2368	530	112	1508
Sass, G. J. (See McKenzie, Burt, assignor.)						
Sasseman, David C. (See Smith and Sasseman.)						
Satterfield, Az, Knoxville, Tenn. Tumbler-washer.....	769,238	Sept. 6	195	47	112	44
Satterfield, Az, Knoxville, Tenn. Check-controlled apparatus.....	777,923	Dec. 20	2918	641	113	2089
Sattler, Heinrich, assignor to Firm of A. Huber, Munich, Germany. Compensation-pendulum.....	751,686	Feb. 9	1662	377	108	1430
Sattley, Clyde A., et al. (See Weaver, Ira A., assignor.)						
Sattley Stacker Company. (See Bartholomew, John B., assignor.)						
Sauer, George L. (See Fairbanks and Sauer.)						
Sauer, Joseph, Millvale, Pa. Wrench.....	761,411	May 31	5652	1203	110	1385
Sauer, Theodor. (See Bültingslöwen, Bruno von, assignor.)						
Sauler, Herman, Allegheny, Pa. Straw-baling machine.....	767,769	Aug. 16	3270	689 690	111	1803
Saunders, Amos, and A. W. Wilmoth, Richardson, Tex. Railway-rail-joint chair.....	763,075	June 21	2898	625	110	2107
Saunders, Augusta T., et al. (See Saunders, David H., assignor.)						
Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Screw-threading die.....	762,947	June 21	2661	576	110	2055
Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Lap-bute-welding mechanism.....	770,119	Sept. 13	1848	992 1000	112	434
Saunders, Bertram H., Clifton, N. J. Calculating-machine.....	775,939	Nov. 29	4858	1031 1082	113	1162
Saunders, Daniel G., Jr., Kansas City, Mo. Automatic sash-fastener.....	774,536	Nov. 8	1914	415 738	113	443
Saunders, David H., assignor to H. V. P. Merchant and A. T. Saunders, Gloucester, Mass. Printing-press.....	757,967	Apr. 19	3497	759	109	2126
Saunders, Delbert W., Maquoketa, Iowa. Well-drilling machine.....	753,319	Mar. 1	188	44	109	44
Saunders, Edwin H., Proctorville, Ohio. Automatic switch.....	776,353	Nov. 29	5671	1200	113	1349
Saunders, Henry J. (See Saunders, Lewis E., assignor.)						
Saunders, James B., Jr., Ann Arbor, Mich. Mixing and joining machine.....	759,023	May 3	867	177	110	199
Saunders, Lewis E., assignor of one-third to H. J. Saunders, Perth, Western Australia. Australia. Self-grip and draw-off attachment for vessels.....	757,641	Apr. 19	2882	628	109	1991
Saunders, Samuel L., Winthrop, Mass. Puzzle.....	766,118	July 26	4436	950	111	1004
Saunders, William A., Boston, Mass. Pancake griddle and turner.....	764,382	July 5	974	197	111	216
Saunders, William H., New London, Conn. Drill-chuck.....	751,345	Feb. 2	1061	241	108	1284
Saunders, William L., Bridgewater, Canada. Hub and axle for vehicles.....	772,537	Oct. 18	3679	599	112	1575
Saupe, Emil. (See Kuckelcorn and Saupe.)						
Saurer, Adolph, Arbon, Switzerland. Loom-reed.....	759,317	May 10	1508	303	110	364
Sausen, Peter J., assignor of one-third to J. J. Smyth, Seattle, Wash. Game-table.....	771,210	Sept. 27	3099	844	112	943
Sautter, Gaston. (See Rateau and Sautter.)						
Sauvage, William H., assignor of part to G. F. Kissam, New York, N. Y. Air-brake. (Reissue.).....	12,229	June 7	1240	267	110	1709
Sauvage, William H., assignor of fifty-one two-hundredths to G. F. Kissam, New York, N. Y. Automatic air-brake mechanism for cars.....	769,838	Sept. 13	1347	288	112	323
Sauvage, William H., assignor of fifty-one two-hundredths to G. F. Kissam, New York, N. Y. Automatic air-brake mechanism for railway-cars.....	769,839	Sept. 13	1350	289	112	324
Sauvage, William H., assignor of one-hundred-and-forty-nine two-hundredths to G. C. St. John and G. F. Kissam, New York, N. Y. Air-brake.....	752,111	Feb. 16	2487	555	108	1629
Sauvage, William H., assignor of one-hundred-and-forty-nine two-hundredths to G. C. St. John and G. F. Kissam, New York, N. Y. Air-brake.....	752,112	Feb. 16	2491	555	108	1629
Sauvé, Albert, Southwark, England. Rotary printing-machine.....	776,263	Nov. 29	5510	1166 1167	113	1311
Savage, Edward S., Brooklyn, N. Y. Powder-can.....	757,281	Apr. 12	2026	441	109	1792
Savage, George C., New York, N. Y. Paper-fastener-inserting device.....	761,546	May 31	5881	1261	110	1376
Savage, George E., and G. W. Hope, assignors to Manning, Bowman & Co., Meriden, Conn. Coffee or tea pot.....	752,113	Feb. 16	2495	556	108	1631
Savage, George E., and J. H. Loeffler, assignors to Manning, Bowman & Company, Meriden, Conn. Alcohol-lamp.....	774,728	Nov. 8	1437	308	113	340
Savage, George E., and J. W. Chapman, assignors to Manning, Bowman & Co., Meriden, Conn. Coffee or tea pot.....	751,565	Feb. 9	1447	322	108	1386
Savage, Giles C., Nashville, Tenn. Combustion structure.....	758,281	Apr. 26	4136	893	109	2283
Savage, Thomas A. (See Johnson, Savage, and Newell.)						
Savale, Louis C., Paterson, N. J. Combined flue-shield and lamp-support for automobiles.....	749,452	Jan. 12	1866	388	108	438
Savelsberg, Adolf, Ramsbeck, Germany. Desulfurizing lead ores.....	755,598	Mar. 22	4619	1026	109	1057
Savignac, Jules F., de, Marseilles, France. Pneumatic tire.....	777,979	Dec. 20	3030	667	113	2112
Savings & Trust Company. (See Sears, Charles, assignor.) (Reissue.)						
Savioie, Joseph, Central Falls, assignor of one-half to E. C. Glines, Providence, R. I. Tennis-racket.....	761,048	May 24	4940	1047	110	1149
Savorgnan, Cora A. S. di B. (See Savorgnan, Detalmo di B., assignor.)						
Savorgnan, Detalmo di B., assignor to C. A. S. di B. Savorgnan, Rome, Italy. Machine for registering mail-matter.....	756,714	Apr. 5	985	218 219 220 221 222	109	1554
Savoye, Emile, Paris, France. Corset.....	774,537	Nov. 8	1916	416	113	443
Saworski, Frederick W., Boston, Mass. Bobbin and spindle connector.....	760,704	May 24	4223	897	110	999
Sawyer, Ben S., El Paso, Tex., and C. C. Bull, Albuquerque, N. Mex. Ter. Metal cross-tie and rail-fastener.....	771,177	Sept. 27	3931	830	112	932
Sawyer, Charles H., assignor of one-half to M. E. Sawyer, Minneapolis, Minn. Wheeled scraper.....	773,991	Nov. 1	922	191 192	113	210
Sawyer, Edmund H., Lexington, Mass. Shuttle and quill for narrow-ware looms.....	748,887	Jan. 5	632	143	108	141
Sawyer, Frederick A., Everett, assignor of one-half to J. W. Maguire, Malden, Mass. Metal corner-bead.....	771,577	Oct. 4	710	157 77 78 79 80 81	112	1110
Sawyer, Frederick W., Boston, Mass., assignor to Cocoon Spinner Company. Apparatus for spinning or twisting.....	771,396	Oct. 4	348	78 79 80 81	112	1033
Sawyer, Frederick W., Boston, Mass., assignor to Cocoon Spinner Company. Spinning or twisting.....	771,397	Oct. 4	368	82	112	1035

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Sawyer, Harry, Muskegon, Mich. Combined controller and brake-operating mechanism.	749,329	Jan. 12	1595	388	108	383
Sawyer, Harry, Muskegon, Mich. Tongs or grapple.	749,330	Jan. 12	1599	389	108	384
Sawyer, M. E. (See Sawyer, Charles H., assignor.)						
Sawyer, Matthews N., Rapid City, S. D. Pipe or nut wrench	750,308	Jan. 26	3506	758	108	890
Sawyer, Orren A., Lowell, assignor to Draper Company, Hopedale, Mass. Warp-stop-motion mechanism for looms	763,119	June 21	2971	641	110	2123
Sawyer, Paul I. (See Snyder, Dillon H., assignor.)						
Sawyer, Pickens A., Memphis, Tenn. Safety device for railways	769,962	Sept. 13	1568	334	112	370
Sawyer Spindle Company. (See Allen, William E., assignor.)						
Sawyer Spindle Company. (See Draper, George O., assignor.)						
Sawyer Spindle Company. (See Draper, William F., assignor.)						
Sawyer Spindle Company. (See Edwards, John C., assignor.)						
Sawyer Spindle Company. (See Lawrence, Henry, assignor.)						
Sawyer Spindle Company. (See Metcalf, Clarence E., assignor.)						
Sawyer Spindle Company. (See Norcross, Frank E., assignor.)						
Sawyer Spindle Company. (See Nutting, Charles E., assignor.)						
Sawyer Spindle Company. (See Smith, Charles A., assignor.)						
Sawyer Spindle Company. (See Thompson, Frank H., assignor.)						
Sawyer Spindle Company. (See York, John A., assignor.)						
Sawyers, George B., Bidwell, Ohio. Clothes-pin.	762,494	June 14	1724	371	110	1832
Sax, Henry, Tegelen, The Netherlands. Decorative light	763,428	June 28	3628	781	110	2289
Saxler, Nicolas A., assignor of part to N. G. Conybear and R. M. Eagle, Chicago, Ill. Apparatus for singeing pigs' feet, &c.	770,930	Sept. 27	3437	725	112	824
Sayer, Eugene Y. (See Box, William A., assignor.)						
Sayer, Robert C., Bristol, England. Wheel.	756,290	Apr. 5	193	401	109	1385
Sayer, Robert C., Bristol, England. Seam structure	763,023	June 21	2784	604	110	2082
Sayer, Robert C., Bristol, England. Elevated and subaqueous railway	766,392	Aug. 2	498	106	111	1150
Sayle, Edwin W., Calhoun, Wis. Clothes-pin.	777,751	Dec. 20	2517	107	113	2011
Saylor, Charles, Cody, Wyo. Clover-hulling attachment for threshing-machines	754,612	Mar. 15	2802	611	109	646
Saylor, John P., et al. (See Winans, Wesley G., assignor.)						
Sayre, Charles E., Waterloo, and J. W. Sayre, Hartley, Iowa. Blower for gas-machines.	752,000	Feb. 9	2299	514	108	1568
Sayre, Edward W., assignor to himself, L. C. and T. S. Sayre, Cape May, N. J. Lawn-mower.	757,353	Apr. 12	2281	498	109	1845
Sayre, James W. (See Sayre, Charles E. and J. W.)						
Sayre, Louis C., et al. (See Sayre, Edward W., assignor.)						
Sayre, Reuben H., assignor of one-half to G. W. Kotzebue, New Martinsville, W. Va. Hot-air furnace.	759,318	May 10	1509	304	110	364
Sayre, Thomas S., et al. (See Sayre, Edward W., assignor.)						
Sayres, William C., Wilmington, Ohio. Automatic railway-switch	754,392	Mar. 8	2342	512	109	523
Sayyidah, Murad W., Deepriver, Iowa. Combination-tool for watch-repairing.	766,067	July 26	4328	927	111	981
Scadding, Charles A., Buffalo, N. Y. Toy	754,709	Mar. 15	3011	657	109	692
Scahill, Frank, Joliet, Ill. Flower-stand	764,307	July 5	794	162	111	175
Scaife, Jefferson H., Camilla, Ga. Auger	755,394	Mar. 22	4271	943	109	982
Scales, Reverdy J., Martinsville, Va. Car-door operating and fastening device	766,395	Aug. 2	501	107	111	1151
Scales, William S., assignor, by mesne assignments, to Pneumatic Scale Corporation, Boston, Mass. Machine for setting up cartons, &c.	767,445	Aug. 16	2656	559	111	1664
Scammell, Joseph B., London, England. Separation of metals from their ores	770,659	Sept. 20	2898	616	112	687
Scaulan, John L., Indianapolis, Ind. Excavating-machine	762,332	June 14	1425	308	110	1768
Scaulan, Michael. (See Anderson, Isaac, assignor.)						
Scaulan, Sam G., Chicago, Ill. Surgeon's operating-table	764,681	July 12	1620	331	111	370
Scauland, John W., Selma, Ohio. Nut-lock	760,569	May 24	3940	837	110	938
Scaulon, Michael. (See Anderson, Isaac, assignor.)						
Scannell, Roger F., Boston, and P. J. Dugan, Chestnut Hill, Mass. Car-coupling	764,308	July 5	795	162	111	175
Scarritt, Sanford G. (See Fassett, Francis K., assignor.)						
Scarrell, John A., et al. (See Cazier, Perry H., assignor.)						
Scatchard, Herbert F., and M. B. Waters, Roanoke, Va. Device for truing journals of locomotive driving-wheels	751,945	Feb. 9	2174	490	108	1542
Schaack, Michel, Chicago, Ill. Water-heater	760,351	May 17	3511	738	110	823
Schaack, Michel, Chicago, Ill. Water-heater	761,718	June 7	3511	739	110	1481
Schaad, Henry D., et al. (See Fischer, George F., assignor.)						
Schaaf, Frank A., Cleveland, Ohio. Car-fender	756,060	Mar. 29	5548	1225	109	1280
Schaaff, John T., et al., trustees. (See Cahill, Thaddeus, assignor.)						
Schaeke, William, Schenectady, N. Y., assignor to General Electric Company. Sanding system	758,194	Apr. 26	3952	858	109	2244
Schaap, Leigh R., Loveland, assignor to National Brazing Compound Company, Denver, Colo. Brazing	777,546	Dec. 13	2126	113	1913	
Schaap, Leigh R., Loveland, assignor to National Brazing Compound Company, Denver, Colo. Brazing compound	777,547	Dec. 13	2127	113	1913	
Schacht, Barnet, New York, N. Y. Combined lock and latch	750,707	Jan. 26	4253	924	108	989
Schade, Albert F., assignor to Stanley Rule & Level Company, New Britain, Conn. Plane	758,698	May 3	180	38	110	43
Schade, Edmund A., assignor to Stanley Rule & Level Company, New Britain, Conn. Bevel	769,325	Sept. 6	383	88	112	82
Schade, Edmund A., assignor to Stanley Rule & Level Company, New Britain, Conn. Plane	769,408	Sept. 6	533	117	112	130
Schade, John, Jr. (See Gresham and Schade.)						
Schaefer, Fred, Seattle, Wash. Apparatus for recording and reproducing sounds and optical impressions	762,948	June 21	2663	576	110	2055
Schaefer, Valentin, Berlin, Germany. Lock and crossing	776,867	Dec. 6	82	177	113	1607
Schaeffer, Arthur, Berlin, Germany. Safety-fastener	755,174	Mar. 22	3852	505	109	893
Schaeffer, Arthur, Berlin, Germany. Safety-fastener	764,153	July 5	481	95	111	105
Schaeffer, Morton, et al. (See Patten, James S., assignor.)						
Schaeffer, William S., Leesport, Pa. Milk and cream separator	771,503	Oct. 4	553	124	112	1076
Schaer, August. (See Roeseler and Schaer.)						
Schaerges, Carl F., assignor to Firm of F. Hoffmann-Laroché, Basel, Switzerland. Chloral-acetone-chloroform and making same	778,277	Dec. 27	3604	113	2293	
Schafer, Dietrich, Sacramento, Cal. Window-ventilator	769,570	Sept. 6	837	179	112	189
Schafer, Erwin D., assignor of one-half to W. McFarland, Walnutport, Pa. Automatic valve for combined measures and funnels	748,988	Jan. 5	854	383	108	198
Schafer, John E. (See Jones and Schafer.)						
Schafer, Marcus A., New York, N. Y. Vehicle-brake	756,899	Apr. 12	1367	305	109	1650
Schaffer, Fredrick, McKeesport, Pa. Curtain-pole	762,659	June 14	2062	446	110	1905
Schaffer, George H., assignor of one-fourth to J. Leiby, Stiles, Pa. Car-coupling	767,770	Aug. 16	3274	691	111	1804

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Schaffer, Gustavus F. (See Garrett and Schaffer.)						
Schaffer, Philip F., Philadelphia, assignor of two-thirds to B. Allen, 2d, and J. P. Reilly, Germantown, Philadelphia, Pa. Tire-clamp.	766,119	July 26	4498	951	111	1004
Schall, Joseph, Evergreen Park, Ill. Interlocking building-tiles.	748,980	Jan. 5	855	183	108	198
Schall, Joseph, Evergreen Park, Ill. Fireproof floor construction.	750,066	Jan. 19	9764	658	108	715
Schall, Joseph, Evergreen Park, Ill. Building-tile.	751,346	Feb. 2	1063	241	108	1284
Schall, Joseph, Evergreen Park, Ill. Building-block.	773,599	Nov. 1	733	156	113	168
Schaller, Karl F., Vienna, Austria-Hungary. Folding field-fence.	772,675	Oct. 18	2943	645	112	1632
Schalt, Peter, Paterson, N. J. Pipe-clearing apparatus.	764,900	July 12	2068	427	111	469
Schamberg, Morris I., Philadelphia, Pa. Dental appliance.	708,697	Aug. 30	5278	1109	111	2284
Schanche, Herman G., assignor to Harrison Bros. & Co., Incorporated, Philadelphia, Pa. Chemical absorption apparatus.	755,705	Mar. 29	4851	1078	109	1125
Schanck, Ephraim L., Delaware, Ohio. Corn-harvester.	753,569	June 28	3868	838	110	2340
Schandoney, Peter V., Sacramento, Cal. Draft-equalizer.	757,232	Apr. 12	2067	441	109	1792
Schandoney, Peter V., Sacramento, Cal. Draft-equalizer.	757,233	Apr. 12	2069	441	109	1792
Schantz, Edwin M., Zimmerman, Ohio. Duplicating defect-tracer.	755,005	Feb. 23	4566	948	108	2040
Schantz, Edwin M., Zimmerman, Ohio. Marking-machine.	753,433	Mar. 1	407	96	109	89
Schantz, Edwin M., Zimmerman, Ohio. Off-bearing table for sawmills.	771,836	Oct. 11	1220	271	112	1235
Schapiro, Asik. (See Hurwitz and Schapiro.)						
Scharnberg, Rudolf, Berlin, Germany. Rotating hook for sewing-machines.	762,559	June 14	1875	408	110	1865
Schattner, Ernest, Schenectady, N. Y., assignor to General Electric Company. Controller.	773,501	Nov. 22	3969	838	113	953
Schatz, Edward J. (See Stogsdill and Schatz.)						
Schatz Hardware Manufacturing Company of West Virginia. (See Wilcox, Henry, assignor.)						
Schatz, J. S., et al. (See Wing, Perry M., assignor.)						
Schatz, John W., New Haven, Conn. Miter-box.	771,668	Oct. 4	884	199	112	1148
Schaub, Jacob, Logan, Utah. Photographic-plate holder.	771,939	Oct. 11	1444	329	112	1281
Schauer, Sherman C., Cincinnati, Ohio. Friction-clutch.	756,185	Mar. 29	5768	1273	109	1326
Schaum and Uhlinger. (See Wirz, Henry P., assignor.)						
Schauman, Bror M., assignor to himself, E. Bevan, and V. W. Mills, Philadelphia, Pa. Steam-engine.	770,985	Sept. 27	3542	746	112	849
Schauth Shoe Company. (See Rounds, Albert C., assignor.)						
Schayer, John J. (See Schweitzer, Edmund O., assignor.)						
Scheble, Eugene S., Cleburne, Tex., assignor, by mesne assignments, to S. E. Wilmore, New York, N. Y. Vending-machine.	748,795	Jan. 5	448	101	108	101
Schebler, Theodore N., assignor of one-half to H. E. Balluff, Davenport, Iowa. Skirt supporter.	755,798	Mar. 29	5051	1122	109	1169
Scheckner, Albert, assignor of one-half to W. P. Carr, St. Louis, Mo. Printing-plate and making same.	760,257	May 17	3844	708	110	786
Schedler, Arnold. (See Jedlicka and Schedler.)						
Scheel, Christian P., Western, Nehr, Latch.	771,178	Sept. 27	3995	890	112	933
Scheel, William. (See Bublitz and Scheel.)						
Scheffer, Fritz, Jr., assignor to Gesellschaft fuer Werkzeugindustrie, G. M. B. H., Remscheid-Haddenbach, Prussia, Germany. Pipe-wrench.	778,278	Dec. 27	3606	787	113	2253
Schehr, George A., assignor to Crane & Breed Manufacturing Company, Cincinnati, Ohio. Handle for burial-caskets or the like.	769,799	June 28	4322	939	110	2437
Schehr, George A., assignor to Crane & Breed Manufacturing Company, Cincinnati, Ohio. Handle for burial-caskets, &c.	769,800	June 28	4324	939	110	2437
Scheib, Ludwig, Jr., and Ludwig Sr., Kaiserslautern, Germany. Jaw-coupling.	777,752	Dec. 20	2518	556	113	2011
Scheidel, William, Chicago, Ill. Rectifying and interrupting alternating currents.	766,468	Aug. 2	646	138	111	1181
Scheidemantel, Charles. (See Ballenberger and Scheidemantel.)						
Scheidenberger, William. (See Tuller, Romane M., assignor.)						
Scheidler, John, Coldwater, Mich. Fence-post.	753,922	Mar. 8	1432	320	109	328
Scheidler, John, Coldwater, Mich. Fence-post.	753,923	Mar. 8	1433	320	109	328
Scheidt, Frederick, Baltimore, Md. Machine for forming the necks of glass bottles.	760,258	May 17	3346	704	110	787
Scheidt, Frederick, Baltimore, Md. Bottle-stopper.	773,345	Oct. 25	4460	944	112	1989
Scheif, Charles A., Wilkinsburg, Pa. Window-shade fixture.	771,179	Sept. 27	3936	830	112	943
Scheimpflug, Theodor, Vienna, Austria-Hungary. Distorting plane images by means of lenses or mirrors.	751,347	Feb. 2	1063	241	108	1284
Scheimpflug, Theodor, Vienna, Austria-Hungary. Apparatus for the systematic alteration of plane pictures by means of spherical lenses or mirrors.	752,596	Feb. 16	3416	761	108	1837
Scheinman, Mark. (See Reinhard and Scheinman.)						
Scheliga, Raimund, Marshall, Tex., assignor of two-thirds to R. A. and T. W. Reid, Bell-ingham, Wash. Fire-box for boilers.	777,753	Dec. 20	2520	557	113	2012
Schell, Martin, Rochester, N. Y. Focusing device for cameras.	757,968	Apr. 19	3500	759	109	2126
Schell, Maximilian P., assignor to Folkers Saw Filing Machine Co., San Francisco, Cal. Saw-filing machine.	772,588	Oct. 18	2682	589	112	1575
Schellenbach, Florence, Cleveland, Tenn. Stool.	755,706	Mar. 29	4852	1079	109	1126
Schellenbach, William L., assignor to American Tool Works Company, Cincinnati, Ohio. Speed-changing mechanism.	761,324	May 81	5487	1167	110	1286
Scheller, Kilian. (See Henzig, Oscar, assignor.)						
Scheller, Richard, Hamburg, Germany. Musical instrument.	757,354	Apr. 12	2282	498	109	1845
Schellhammer, William O., Salina, Colo. Ironing-table.	754,898	Mar. 15	3356	733	109	767
Schellhammer, Alfred L., Warren, Pa. Oil-bailing device.	760,570	May 21	3941	837	110	938
Schellhammer, Christian, Warren, Pa. Force-pump.	760,734	Aug. 2	1322	239	111	1312
Schemnitzky, Carl von, Vienna, Austria-Hungary. Lead-pencil.	758,489	June 28	3932	781	110	2250
Schenck, Carl, Darmstadt, Germany. Automatic shifting-weight scale.	758,358	Apr. 26	4350	934	109	2330
Schenck, Charles, Jr., assignor of one-half to C. W. Weisz, Chicago, Ill. Speed indicator and recorder.	762,201	June 7	1113	238	110	1681
Schenck Governor Co. (See Johnson, Joseph E., assignor.)						
Schenck Governor Company. (See Schenck, Marcus P., assignor.)						
Schenck, Marcus P., Springfield, Mass., assignor to Schenck Governor Company, Meriden, Conn. Governor for water-wheels.	748,659	Jan. 5	202	48, 49	108	44
Schenk, Frederick J., Monticello, Ill. Harness.	757,642	Apr. 19	2886	628	109	1992
Schenkel, Elise, Pforzheim, Germany. Abdominal supporter.	760,022	May 17	3887	694	110	684
Scheperle, John, Millbrook, Mo. Gate.	759,024	May 3	860	177	110	240
Schepman, Louis H., Richmond, Ind. (See Wehrle, Joseph, assignor.)	773,229	Oct. 25	4224	894	112	1399
Schepner, Charles, et al. (See Wehrle, Joseph, assignor.)						
Scherer, John, Elreño, Okla. Ter. Harrow attachment for plows.	753,695	Mar. 1	793	177	109	173

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Scherf, Theodore, Elizabeth, N. J. Corner-protector.....	768,313	Aug. 23	4449	934	111	2081
Schermack, Joseph J. (See Harrington and Schermack.)						
Schermernhorn, Clarence V., et al. (See Barton, Edward H., assignor.)						
Schermuly, William, Poplar, county of Middlesex, England. Line-throwing apparatus.....	764,682	July 12	1622	331 332	111	371
Scherner, Jacob N., Chicago, Ill. Window.....	767,172	Aug. 9	2148	446	111	1335
Scherer, H. E. (See Pahl, Leopold F. W., assignor.)						
Scherzer Rolling Lift Bridge Company. (See Keller, Charles L., assignor.)						
Schetzle, Marx P., Oakland, Cal. Propelling apparatus for vessels.....	754,710	Mar. 15	3012	657	109	692
Scheuber, August W., Hoboken, N. J. Safety-razor frame.....	749,751	Jan. 19	2465	525	108	587
Scheuber, August W., Hoboken, N. J. Stropping-machine.....	750,397	Jan. 26	3668	797	108	867
Scheuber, August W., Hoboken, N. J. Stropping-machine.....	750,398	Jan. 26	3670	797	108	868
Scheuber, August W., Hoboken, N. J. Razor sharpening machine.....	750,399	Jan. 26	3673	798	108	869
Scheuber, August W., Hoboken, N. J., assignor to Reichard & Scheuber Manufacturing Company. Razor-stropping machine.....	758,699	May 3	181	38	110	43
Scheuber, August W., Hoboken, N. J., assignor to Reichard & Scheuber Manufacturing Company. Safety-razor casing.....	759,475	May 10	1823	368	110	434
Scheuber, August W., Hoboken, N. J., assignor to Reichard & Scheuber Manufacturing Company. Safety-razor frame.....	769,114	Aug. 30	6106	1277	111	2470
Scheuber, August W., Hoboken, N. J., assignor to Reichard & Scheuber Manufacturing Company. Razor-sharpening machine.....	769,115	Aug. 30	6110	1277	111	2472
Scheuer & Brother. (See Helm, Frederick, assignor.)						
Scheuer, Ralph, New York, N. Y. Buckle.....	753,320	Mar. 1	196	44	109	45
Schevers, Arnold J., Chicago, Ill. Steam-boiler cleaner.....	768,152	Aug. 23	4139	871	111	2014
Schicklering, Alfred, Jersey City, N. J. Brush.....	749,331	Jan. 12	1601	339	108	385
Schied, Nicholas C., See Hosen, N. J.						
Schiedt, John F., Zanesville, Ohio, assignor to Vermont Slate Company. Hand-oiler.....	762,764	June 14	2279	497	110	1949
Schiek, George H., Joliet, Ill. Separable hinge.....	778,509	Dec. 27	4072	887	113	2354
Schiele, Anna M., Philadelphia, Pa. Rack or holder.....	759,025	May 3	872	177	110	200
Schielke, Herman, Cleveland, Ohio. Corner-clamp for securing glass plates together.....	754,245	Mar. 8	2028	451	109	462
Schier, Adolph B. (See Schier, Joseph J. and A. B.)						
Schier, Joseph J. and A. B., Milwaukee, Wis. Packing-gasket.....	761,325	May 31	5490	1168	110	1287
Schierbeck, Rudolf, Philadelphia, Pa. Measuring instrument.....	762,470	Feb. 16	3175	707	108	1781
Schies, John, Anderson, Ind. Glass blowing and finishing machine.....	752,597	Feb. 16	3425	768	108	1838
Schuessler, Josef, Vienna, Austria-Hungary. Sound-indicator for vessels.....	772,076	Oct. 18	2945	646	112	1632
Schievenbusch, Eberhard, Cologne, Germany. Picture-frame.....	749,332	Jan. 12	1603	339	108	385
Schiffeler, Joseph C., St. Louis, Mo. Candlestick-holder.....	760,156	May 17	3161	660	110	745
Schiffing, Albert F., Indianapolis, Ind. Burglar-alarm.....	758,389	Apr. 26	4351	934	109	2330
Schilde, Martin, New Orleans, La. Valve mechanism.....	752,471	Feb. 16	3177	708	108	1782
Schilde, Martin, New Orleans, La. Valve mechanism.....	752,472	Feb. 16	3179	709	108	1783
Schildknecht, Louis, Astoria, N. Y. Drive-chain.....	764,901	July 12	2070	427	111	469
Schilhan, János, Székesfehérvár, Austria-Hungary. Railway-switch.....	776,692	Dec. 6	453	101	113	1528
Schiller, Joseph, Burlington, Tex. Insect-exterminator.....	750,708	Jan. 26	4256	924	108	989
Schilling, Charles W., Portland, Ore. Spring-board attachment for felling trees.....	766,394	Aug. 2	502	107	111	1151
Schilling, Gustave A. W., assignor to J. F. Paulson and A. F. Thompson, Denver, Colo. Strainer and filter.....	758,150	Apr. 26	3871	841	109	2227
Schilz, Frank, assignor to H. Loewenbach, Milwaukee, Wis. Paper-feeding device.....	751,687	Feb. 9	1663	377 378	108	1430
Schimek, Richard. (See Zacek, Stefan, assignor.)						
Schimbekler, Fredrick, Columbia City, Ind. Land roller and pulverizer.....	759,132	May 3	1701	217	110	243
Schindehütte, Ernest J., McKees Rocks, Pa. Rail-joint.....	749,333	Jan. 12	1603	340	108	385
Schindhelm, Franz, assignor to Success Non-Refillable Bottle Stopper Company, Cincinnati, Ohio. Non-refillable bottle.....	773,597	Nov. 1	119	24	113	32
Schineller, Jacob, Pittsburg, Pa. Attachment for cash-registers.....	760,705	May 24	4227	897	110	999
Schineller, Jacob, Pittsburg, Pa. Registering mechanism.....	769,187	Sept. 6	94	24	112	22
Schippers, Frank, assignor to American Bell and Chime Company, New York, N. Y. Pneumatic musical apparatus.....	755,944	Mar. 29	5346	1179 1180	109	1236
Schirm, Carey A. (See Middlekauff and Schirm.)						
Schirmacher, Karl, assignor to Farbwärze, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Black disazo dye and making same.....	778,610	Dec. 27	4262	925	113	2394
Schirmer, Janus W., Westchester, Iowa. End-gate.....	753,167	Feb. 23	4332	1075	108	2105
Schirp, Paul, Barmen, Germany. Apparatus for dyeing, &c.....	755,050	Mar. 22	3631	796	109	845
Schlack, William J., Colorado Springs, Colo. Air-brake-controlling apparatus.....	775,313	Nov. 22	3572	753 754	113	863
Schlaflay, Julius H., assignor to Berger Manufacturing Company, Canton, Ohio. Tube-forming machine.....	766,531	Aug. 2	795	167 168	111	1215
Schlag, Bernhard, Wenigenjena, near Jena, Germany. Jointed scale or measure.....	765,598	July 19	3385	713	111	768
Schlager, Charles, et al. (See Harey, William A., assignor.)						
Schlager, Walter L., et al. (See Harey, William A., assignor.)						
Schlais, Frank, Gad, Wis. Motor-vehicle.....	763,931	June 28	4574	999 1000	110	2490
Schlanzer, Benedict J., Sr., assignor to M. J. Schlanzer, Indianapolis, Ind. Kitchen-cabinet.....	777,438	Dec. 13	1906	420	113	1865
Schlanzer, Mary J. (See Schlanzer, Benedict J., Sr., assignor.)						
Schlebe, Gregoire, Passaic, N. J. Belt-dressing.....	775,119	Nov. 15	3127	753	113	738
Schlechter, Adolf, Allegheny, Pa. Theater building.....	754,711	Mar. 15	3013	658	109	602
Schlechter, Gustavus A., Reading, Pa. Clock.....	760,157	May 17	3162	661	110	746
Schleckser, Henry F. (See Schlecker, Herman F. W. and H. F.)						
Schleckser, Herman F. W. and H. F., Newark, N. J. Fob, charm, or locket.....	767,963	Aug. 16	3674	775	111	1889
Schlegel, John W., Storms Station, Ohio. Rail-joint.....	774,606	Nov. 8	2044	446	113	470
Schlegelmilch, Robert, assignor of one-half to Aktien-Maschinenfabrik "Kyffhäuser-hütte" vorm. Paul Reuss, Artern, Germany. Chimney-top.....	766,735	Aug. 2	1223	259	111	1312
Schlegelmilch, Robert, assignor of one-half to Aktien-Maschinenfabrik "Kyffhäuser-hütte" vorm. Paul Reuss, Artern, Germany. Shears for cutting T or other angle iron.....	776,091	Nov. 29	5182	1094	113	1236
Schlegelmilch, Robert, assignor of one-half to Aktien-Maschinenfabrik "Kyffhäuser-hütte" vorm. Paul Reuss, Artern, Germany. Shears for cutting T or other angle iron.....	776,092	Nov. 29	5183	1095	113	1236
Schlehr, Joseph A., et al. (See Reeve, Frank L., assignor.)						
Schleicher, Oscar, Heinsberg, Germany, assignor to Williams Manufacturing Company. Machine for making baskets. (Reissue.).....	12,198	Feb. 23	4660	1037	108	2129
Schleicher, Oscar, Heinsberg, Germany, assignor to Williams Manufacturing Co., Northampton, Mass. Machine for making baskets.....	776,205	Nov. 29	5389	1143	113	1284

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Schleifenbaum, Friedrich, and E. Schürer, assignors to Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Metal-sheathed electric cable.	772,880	Oct. 18	3369	520	112	1508
Schlemm, Robert, Chicago, Ill. Automatic vending-machine.	758,110	Apr. 26	3797	824	109	2209
Schlenker, Jakob, Schwenningen, Germany. Watchman's time-detector.	774,499	Nov. 8	1849	825	113	49
Schlechter, John G., Toledo, Ohio. Triple-tongue attachment for cornets.	767,446	Aug. 16	2664	559	111	1663
Schleussner, Henry, Garner, Iowa. Threshing-machine.	767,915	Aug. 16	3566	754	111	1866
Schley, Louis, New York, N. Y. Sash-fastener.	766,395	Aug. 2	504	107	111	1151
Schlicht, Hans, Walnut, Iowa. Corn-planter.	764,258	July 5	702	142	111	156
Schlichter, Isaac, Philadelphia, Pa. Bale or package cover.	734,811	Mar. 15	3192	695	109	781
Schlichter, Louis, Baltimore, Md. Dress-skirt raiser.	770,702	Sept. 20	2981	694	112	706
Schlick, Ernst O., Hamburg, Germany. Device for minimizing the oscillatory movements of ships.	769,493	Sept. 6	703	152	112	160
Schlickeyson, Carl F., Steglitz, Germany. Manufacturing peat fuel.	773,992	Nov. 1	925	113	211	
Schlieder, Augustus E., Omaha, Nebr. Acetylene-gas generator.	752,713	Feb. 23	3670	817	108	1905
Schlieper, John E., Allegheny, Pa. Exhaust-head.	768,627	Aug. 30	5122	1077	111	2251
Schlieper, John E., Allegheny, Pa. Oil and steam separator.	768,628	Aug. 30	5122	1078	111	2251
Schliesser, Herman M., Mark Center, Ohio. Divider attachment for mowers.	776,693	Dec. 6	455	101	113	1528
Schlittenhardt, John C., Newark, and J. E. Dornig, Vailsburg, N. J. Gas-cock.	762,001	June 7	759	154	110	1604
Schloemer, Edward W., Milwaukee, Wis. Compressed-air motor.	748,660	Jan. 5	265	49	108	15
Schloemer, Fred A., Lonerock, Wis. Bob-sleigh.	762,091	June 7	918	189	110	1636
Schlorff, Joseph E., Pesotum, Ill. Type-holder.	750,127	Jan. 19	3173	683	108	738
Schloss, Joseph W., New York, N. Y. Skirt-braid.	758,564	Apr. 26	4704	1015	109	2411
Schlotter, John M. (See Bender and Schlotter.)						
Schlueter, Max L., Oakland, Cal. Power-transmitting apparatus.	755,799	Mar. 29	5053	1122	109	1169
Schlueter, Theodore A., Oakland, Cal. Electric clock.	772,002	Oct. 11	1572	353	112	1309
Schluns, Frederick A., Revere, Mass. Device for dressing stone.	771,275	Oct. 4	108	24	112	985
Schluter, William, Wellsburg, Iowa. Rein-support.	763,570	June 28	3870	839	110	941
Schluting, William. (See Ford, Andrew F., assignor.)						
Schmalnack, Robert, assignor to M. D. Helfrich, Evansville, Ind. Water-closet bowl.	771,098	Sept. 27	3770	794	112	898
Schmaltz, Michael, Duluth, Minn. Log loading and skidding machine.	757,234	Apr. 12	2030	442	109	1793
Schmaltz, Michael, Duluth, Minn. Derrick-car.	757,235	Apr. 12	2033	443	109	1793
Schmatolla, Otto. (See Reiss and Schmatolla.)						
Schmelz, Richard W., Far Rockaway, N. Y. Shade-holder for incandescent lamps.	765,681	July 26	8571	737	111	822
Schmick, Henry J., Hamburg, Pa. Radiohelical cam-gearing.	755,051	Mar. 22	3632	797	109	845
Schmick, Henry J., Hamburg, Pa. Lifting-jack.	768,821	Aug. 30	5508	1159	111	2334
Schmick, Henry J., Hamburg, Pa. Hoisting device.	768,822	Aug. 30	5509	1159	111	2335
Schmid, Frederick, New York, N. Y. Photographic roll-film.	763,024	June 21	2785	604	110	2082
Schmid, Joseph A., and F. X. Gartland, Philadelphia, Pa. Eyeglasses.	771,837	Oct. 11	1222	271	112	1235
Schmidmer, Georg E., Nuremberg, Germany. Apparatus for reducing bronze to powder.	778,510	Dec. 27	4073	888	113	2354
Schmidt, Albrecht, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Celluloid compound.	758,835	Apr. 26	4257	109	2311	
Schmidt, Albrecht, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Violet sulfur dye and making same.	778,713	Dec. 27	4440	113	2436	
Schmidt, Albrecht, and F. Bethmann, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Blue sulfur dye and making same.	776,264	Nov. 29	5511	113	1312	
Schmidt, Albrecht, and O. Rhodius, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Yellow sulfur dye and making same.	773,346	Oct. 25	4461	112	1989	
Schmidt, Albrecht, and R. Müller, assignors to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacture of brominated indigo.	765,996	July 26	4191	111	952	
Schmidt, August H., Hamburg, Germany. Valve.	771,327	Oct. 4	213	47	112	1006
Schmidt, Carl, Wiesbaden, Germany. Button.	763,512	June 28	3763	813	110	2317
Schmidt, Carl, Tegel, near Berlin, assignor to W. F. Plass and E. Lawley-York, Berlin, Germany. Clothes-wringer.	765,514	July 19	3241	679	111	737
Schmidt, Carl G. A., Jr., Columbus, Ohio. Drive-chain.	755,707	Mar. 29	4854	1079	109	1126
Schmidt, Charles, assignor to Packard Motor Car Company, Warren, Ohio. Transmission-gearing for motor-vehicles.	769,840	Sept. 13	1351	289	112	324
Schmidt, Charles, assignor to Packard Motor Car Company, Warren, Ohio. Motor-vehicle brake.	770,892	Sept. 20	2392	505	112	575
Schmidt, Charles, assignor to Packard Motor Car Company, Detroit, Mich. Steering-gear and motor-controlling mechanism for motor-vehicles.	775,991	Nov. 29	4999	1054	113	1191
Schmidt, Charles, Detroit, Mich., assignor to Packard Motor Car Company, Warren, Ohio. Motor-vehicle.	777,548	Dec. 13	2128	465	113	1913
Schmidt, Charles, assignor of one-half to J. Souvay, New York, N. Y. Finger-ring.	774,700	Nov. 8	2220	484	113	509
Schmidt, Charles F., and C. Kleinknecht, Philadelphia, Pa. Combined washing-machine and drier.	760,648	May 24	4097	871	110	972
Schmidt, David H. (See Borchert, Edward, assignor.)						
Schmidt, Emil, assignor of one-half to J. A. Russel, Davenport, Iowa. Valve.	765,200	July 19	2614	546	111	602
Schmidt, Ernst A. F., New York, N. Y. Music educational device or self-registering compound musical key.	773,081	Nov. 1	287	64, 65	113	68
Schmidt, Fred, Oak Station, assignor of one-half to H. Bauer, Lock No. 3, Allegheny county, Pa. Electric clock.	750,492	Jan. 26	3843	835	108	905
Schmidt, Frederick M., New York, assignor of two-thirds to G. C. Germond and W. H. Spelman, Brooklyn, N. Y. System for temperature regulation.	766,469	Aug. 2	647	138	111	1181
Schmidt, Friedrich, Springfield, Mass. Beer-keg-washing apparatus.	749,583	Jan. 12	2116	441	108	496
Schmidt, George A. (See Kuhl and Schmidt.)						
Schmidt, George A., Chicago, Ill. Soap and making same.	755,945	Mar. 29	5348	109	1236	
Schmidt, Gustav, North Braddock, Pa. Rail-joint.	760,259	May 17	3849	704	110	1285
Schmidt, Gustav E., Elberfeld, Germany. Device for opening the covers of boxes or the like.	762,560	June 14	1877	403	110	1865
Schmidt, Heinrich, Hanover, Germany. Fireproof ceiling.	763,513	June 28	3764	813	110	2318
Schmidt, Henry. (See Stewart, Letitia E., assignor.)						
Schmidt, Henry, and Y. Ishiyari, Collegepoint, N. Y. Combination-tool.	754,812	Mar. 15	3193	696	109	732
Schmidt, Henry A., Milwaukee, Wis. Gas-heater.	752,805	Feb. 23	3831	859	108	1944
Schmidt, Henry A., Phœbus, Va. Blind-fastener.	755,052	Mar. 22	3634	797	109	846
Schmidt, Henry C. (See McCallum, William A. F., assignor.)						
Schmidt, Jean. (See Karle and Schmidt.)						
Schmidt, John W., Brooklyn, N. Y. Telephone order-desk.	767,356	Aug. 9	2475	517	111	1606
Schmidt, Joseph F., Newark, N. J. Horse-stall.	756,716	Apr. 5	1066	223	109	1557

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Schmidt, Joseph P., and J. E. Jacobs, Kansas City, Mo. Attachment for bottle corking, capping, and wiring machines	751,515	Feb. 9	1345	307	108	896
Schmidt, Karl, Cöthen, Germany. Safety apparatus for motor-cars of all kinds	753,436	Mar. 1	412	96	109	134
Schmidt, Karl, Erkelenz, Germany. Construction of frozen walls for shafts of mines	768,774	Aug. 30	5412	1140	111	2316
Schmidt, Lambert, Weehawken, N. J. Annunciator	750,309	Jan. 26	3307	738	108	830
Schmidt, Louis A., Chicago, Ill. Electrical register and system therefor	775,408	Nov. 22	3775	799	113	911
Schmidt, Louis G., and A. T. McDonald, Philadelphia, Pa. Wood-bending machine	762,092	June 7	920	190	110	1637
Schmidt, Louis M., Lynn, Mass., assignor to General Electric Company. Transformer	755,800	Mar. 29	5055	1123	109	1169
Schmidt, Max, and E. J. Gebler, Dresden, Germany. Printing-press	758,858	May 3	548	111	110	130
Schmidt, Max E., Morristown, N. J., and G. A. Mayland, New York, N. Y.; said Mayland assignor to said Schmidt. Coupling device	763,431	June 28	3631	782	110	2290
Schmidt, Oscar. (See Kolander, Max, assignor.)						
Schmidt, Oscar. (See Reach, Emile, assignor.)						
Schmidt, Paul, Hanover, Germany. Gas-generator	776,947	Dec. 6	976	209	113	1642
Schmidt, Richard, assignor, by mesne assignments, to Haarmann & Reimer, Chemische Fabrik zu Holzminden, G. M. B. H., Holzminden, Germany. Homologues of isotonone and making same	762,765	June 14	2281		110	1949
Schmidt, Richard, assignor, by mesne assignments, to Haarmann & Reimer, Chemische Fabrik zu Holzminden G. M. B. H., Holzminden, Germany. Making homologues of isonone	775,251	Nov. 15	3442		113	817
Schmidt, Robert E., Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. 1,5-nitroanthraquinone-sulfonic acid	757,057	Apr. 12	1688		109	1717
Schmidt, Robert E., Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. 1,8-nitroanthraquinone-sulfonic acid	757,058	Apr. 12	1689		109	1718
Schmidt, Robert E., Elberfeld, and P. Tust, Vohwinkel, Germany, assignors to Farbenfabriken of Elberfeld Co., New York, N. Y. Making alpha-oxyanthraquinone	755,801	Mar. 29	5056		109	1170
Schmidt, Robert E., Elberfeld, and P. Tust, Vohwinkel, Germany, assignors to Farbenfabriken of Elberfeld Co., New York, N. Y. Making anthraquinone	765,201	July 19	2615		111	602
Schmidt, Robert E., Elberfeld, and P. Tust, Vohwinkel, near Elberfeld, Germany, assignors to Farbenfabriken of Elberfeld Co., New York, N. Y. Making chrysazin	765,637	July 19	3459		111	782
Schmidt, Sigurd H., Matawan, N. J. Reciprocating steam-engine	750,800	May 24	4447	947	110	1045
Schmidt, Wilhelm, Wilhelmshöhe, near Cassel, Germany. Piston-valve for steam-engines	760,409	Jan. 26	3676	798	108	869
Schmidt, William A. (See Diss and Schmidt.)						
Schmidt, William L., assignor of one-half to W. S. Brotzman, Easton, Pa. Rheostat	777,439	Dec. 13	1908	421	113	1885
Schmieder, Paul, Lipine, Germany. Furnace for producing zinc	757,059	Apr. 12	1690	367	109	1719
Schmitt, Peter, Port Washington, Wis. Explosive-engine	775,314	Nov. 22	3575	754	113	894
Schmitt, Edward D., assignor to H. A. Penrose, Baltimore, Md., and L. B. Schram, New York, N. Y. Bottle-seal	756,715	Apr. 5	1004	232	109	1556
Schmitt, Frank, Philadelphia, Pa. System for preventing collisions, accidents, &c., by railway-trains	753,636	Mar. 1	795	177	109	173
Schmitt, Frank, Philadelphia, Pa. Device for safeguarding vessels	766,532	Aug. 2	798	168	111	1216
Schmitt, Fred. (See Slining, Henry G., assignor.)						
Schmitt, Georg R., Munich, Germany. Manufacture of floor-coverings and plastic wall and ceiling fittings	773,427	Oct. 25	4639		112	2028
Schmitt, George, Pittsburg, Pa. Belt and garment fastener for supporting skirts or trousers	750,709	Jan. 26	4258	924	108	990
Schmitt, Jacob B. (See Margeson and Schmitt.)						
Schmitt, Jean, Danjoutin-Belfort, France. Apparatus for dyeing, &c.	764,825	July 12	1914	392	111	434
Schmitt, John F., Chicago, Ill. Account-registering system	770,478	Sept. 30	2551	543	112	608
Schmitz, John N., Clinton, Iowa. Horse-collar	768,026	Aug. 30	5399	1244	111	2435
Schmitt, Paul H., Chicago, Ill. Electric signaling system	769,409	Sept. 6	534	117	112	120
Schmitt, Peter, Chicago, Ill. Gas-engine	767,369	Aug. 9	2406	522	111	1610
Schmitt, Phillip, Parker, S. D. Clamp for hay-racks	757,147	Apr. 12	1870	408	109	1758
Schmitt, Rudolf G., Munich, Germany. Manufacture of objects of papier-mâché	774,607	Nov. 8	2045	447	113	471
Schmitt, Theodore M. (See Pettitidier and Schmitt.)						
Schmitz, Frank, Chicago, Ill. Banana-shipping case	750,783	Jan. 26	4449	959	108	1035
Schmitz, Frank H., New York, N. Y. High or low pressure signal-alarm	755,708	Mar. 29	4855	1079	109	1136
Schmitz, Henry. (See Weiner, Wilhelm, Schmitt.)						
Schmitz, John P., San Francisco, Cal. Reciprocatory gold-separator	752,926	Feb. 23	4100	913	108	2004
Schmitz & Shroder. (See Bieberstein, Samuel A., assignor.)						
Schmolck, Paul, Fayetteville, Ark. Non-refillable bottle	775,195	Nov. 15	3282	701	113	774
Schmoyer, Frank, Casey, Ill. Mail-box	772,256	Oct. 11	2113	462	112	1430
Schnucker, Alexander. (See Link and Schnucker.)						
Schmurkin, Ivan, Moscow, Russia. Mechanism for changing the reproducer-pins of sound-reproducing apparatus	754,016	Mar. 8	1593	355	109	367
Schnabel, Daniel A., St. Paul, Minn. Box-fastener	776,354	Nov. 29	5673	1201	113	1319
Schnabel, John. (See MacKinnon, Falkland R. A., assignor.)	763,430	June 28	3630	782	110	2220
Schnauder, August, Plauen, Germany. Embroidering	776,265	Nov. 29	5512		113	1312
Schneider, Adolf. (See Link and Schneider.)						
Schneeass, Adolf, Waltershausen, Germany. Cold process of simultaneously cutting out and stamping polished wooden articles	771,609	Oct. 4	885	200	112	1149
Schneible, Joseph, Weehawken, N. J. Brewing	775,780	Nov. 22	4551	966	113	1079
Schneible, Joseph, Weehawken, N. J. Brewing	777,549	Dec. 13	2129		113	1913
Schneider, Adolph, Chicago, Ill. Machine for bottling liquids	754,017	Mar. 8	1594	356	109	368
Schneider, Adolph, Chicago, Ill. Filling-tube for liquids	762,442	June 14	1610	351	110	1807
Schneider, Adolph, Chicago, Ill. Guard or protector for use with bottle-holders	773,033	Oct. 25	3671	791	112	1800
Schneider, Adolph, Chicago, Ill. Bottling-machine	776,620	Dec. 6	308	67	113	1497
Schneider, Alexander, Whitebear, Minn. Switch-rail lock	753,756	May 10	2262	492	110	550
Schneider, Anna M., Sacramento, Cal. Toilet kit	773,520	Mar. 1	576	132	109	125
Schneider, August, Chicago, Ill. Elastic-fluid turbine	767,250	Aug. 9	2284	478	111	1565
Schneider, Berthold, Berlin, Germany. Taximeter or fare-indicator	777,697	Dec. 20	2421	532	113	1990
Schneider, Carl O. (See Shaw, Allan F., assignor.)						
Schneider, Charles P., New Comerstown, Ohio. Axle-nut	757,506	Apr. 19	2593	568	109	1926
Schneider, Charles P. E., Le Creusot, France. Locally softening or annealing hardened-steel plates	755,709	Mar. 29	4856	1079	109	1126
Schneider, Charles P. E., Le Creusot, France. Carrier or conveyer for projectiles or other loads	760,158	May 17	3163	662	110	746
Schneider, Charles P. E., Le Creusot, France. Electric furnace	761,920	June 7	618	124	110	1576
Schneider, Charles P. E., Le Creusot, France. Electric furnace	763,330	June 21	3375	733	110	2213

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Schneider, Charles P. E., Le Creusot, France. Loading appliance for guns.....	770,320	Sept. 20	2369	476 477 478	112	548
Schneider, Friedrich W., Frankfurt-on-the-Main-Bockenheim, assignor to Society of Voigt & Haefner, Actien Gesellschaft, Frankfurt-on-the-Main, Germany. Electric illuminating arrangement for railway-vehicles.....	774,701	Nov. 8	2221	484 485	113	509
Schneider, George J., assignor to American Electrical Heater Company, Detroit, Mich. Electric sad-iron.....	754,018	Mar. 8	1600	356	109	369
Schneider, George J., assignor to American Electrical Heater Company, Detroit, Mich. Electric switch.....	769,116	Aug. 30	6113	1278	111	2472
Schneider, George J., assignor of nineteen-twentieths to American Electrical Heater Company, Detroit, Mich. Glove-former.....	772,063	Oct. 11	1711	381	112	1341
Schneider, Gottlieb, Bluffton, Ind. Lubricator.....	755,802	Mar. 20	5057	1123	109	1170
Schneider, Jacob, Newport, Ky. Car-seal.....	765,202	July 19	2615	546	111	603
Schneider, John E., Allegheny, Pa. Valve.....	753,123	Jan. 19	3173	683	108	738
Schneider, John E., Allegheny, Pa. Bottle.....	750,129	Jan. 19	3176	683	108	738
Schneider, John E., Cleveland, Ohio. Attachment for kettles.....	765,359	July 26	3035	840	111	896
Schneider, John F., New York, N. Y. Bottle-corking machine.....	760,925	May 24	4669	994 995	110	1092
Schneider, John F., New York, N. Y. Bottle-labeling machine.....	771,940	Oct. 11	1448	330	112	1281
Schneider, Joseph J., Chicago, Ill. Coffin.....	754,712	Mar. 15	3015	658	109	693
Schneider, Karl, Koblenz, Germany. Charging apparatus for blast-furnaces.....	774,788	Nov. 15	2445	527 528	113	582
Schneider, Max, Dresden-Plauen, assignor of one-half to J. Beisbarth, Nuremberg, Germany. Storage battery.....	762,847	June 14	2461	533	110	1990
Schneider, Oswald, Fairfield township, Swift county, Minn. Bundle carrier and shocker.....	765,082	July 26	3572	757 758 759	111	823
Schneider, Richard and W., Danzig, Germany. Cash-controlling apparatus.....	763,025	June 21	2786	604 605	110	2083
Schneider, Robert, Berlin, Germany. Mixture for treating tuberculosis.....	762,256	June 7	1218		110	1704
Schneider, Walter. (See Schneider, Richard and W.)						
Schneider, William E., Washington, D. C. Box-making machine.....	772,830	Oct. 18	3242	707 708 709	112	1696
Schnell, John, Macon, Ga. Fly-catcher.....	769,494	Sept. 6	705	152	112	161
Schnell, Julius L., Jersey City Heights, N. J. Feeder-bar for fountain-pens.....	776,428	Nov. 20	5818	1231	113	1383
Schnettler, Joseph, St. Louis, Mo. Screen-door frame.....	753,637	Mar. 1	796	178	109	174
Schnitger, Paul E. (See Gartelman and Schnitger.)						
Schnoor, Claus, Wichita, Kans. Draft-equalizer.....	751,348	Feb. 2	1070	243	108	1285
Schnoor, Peter J., A., Holston, Iowa. Match-lighter.....	760,491	May 24	3788	801	110	904
Schnorr, Joseph, North St. Paul, Minn. Machine-belt fastener.....	776,634	Dec. 6	455	101	113	1523
Schnurr, William, et al. (See Edwards, Samuel, assignor.)						
Schnurr, William, et al. (See Mainland, Albert W., assignor.)						
Schobert, Oscar E. (See Harris and Schobert.)						
Schoch, Leonard E., Chicago, Ill. Garment-supporter.....	754,813	Mar. 15	3195	696	109	732
Schoch, Leonard E., Chicago, Ill. Ledger-binder.....	759,133	May 3	1073	217 218	110	244
Schock, James W. (See Lewellyn and Schock.)						
Schoebel, Maximilian L., Newark, N. J. Photographic-film holder.....	768,080	Aug. 23	3958	898	111	1980
Schoellhorn, August, and H. S. Albrecht, St. Louis, Mo. Pulverizing-machine.....	757,969	Apr. 19	3503	760	109	2127
Schoellhorn, August, and H. S. Albrecht, St. Louis, Mo. Pulverizing-machine.....	760,763	May 24	4354	995	110	1026
Schoellhorn, August, and H. S. Albrecht, St. Louis, Mo. Grate for pulverizing-machines.....	768,692	June 28	3989	870	110	2366
Schoellhorn, August, and H. S. Albrecht, St. Louis, Mo. Mold.....	770,189	Sept. 13	1977	420	112	461
Schoen, August, et al. (See Russell, Frank C., assignor.)						
Schoen, Carl, New York, N. Y. Swivel-loom.....	753,521	Mar. 1	578	132	109	126
Schoen, Charles T. (See Evermann, Peter, assignor.)						
Schoen, Charles T. (See Loss, Henrik V., assignor.)						
Schoene, Kurt, Pittsburg, Pa. Centrifugal pump.....	768,911	Aug. 30	5699	1198	111	2381
Schoenefeldt, Ludwig F., assignor of two-thirds to R. M. MacCormac, Denver, Colo. Concentrator.....	749,104	Jan. 5	1111	235 236	108	255
Schoening, Eduard, Berlin, Germany. Printing by means of elastic rollers or plates.....	751,946	Feb. 9	2176	491	108	1542
Schoening, Eduard, Berlin, Germany. Printing.....	751,947	Feb. 9	2179	492	108	1543
Schoenmehl, Charles B., assignor to Waterbury Battery Company, Waterbury, Conn. Galvanic battery.....	764,827	July 12	1916	393	111	435
Schoenmehl, Charles B., assignor to Waterbury Battery Company, Waterbury, Conn. Galvanic battery.....	757,355	Apr. 12	2383	498	109	1845
Schoenmehl, Charles B., assignor to Waterbury Battery Company, Waterbury, Conn. Galvanic battery.....	764,826	July 12	1917	393	111	435
Schoenner, Georg, Nuremberg, Germany. Compasses.....	755,395	Mar. 22	4271	943	109	982
Schoenner, Georg, Nuremberg, Germany. Compasses.....	755,396	Mar. 22	4272	944	109	982
Schoenner, Georg, Nuremberg, Germany. Case for mathematical instruments.....	758,700	May 3	184	39	110	44
Schoenner, Georg, Nuremberg, Germany. Ruling-pen.....	762,848	June 14	2462	533	110	1991
Schoenner, Georg, Nuremberg, Germany. Drawing-pen.....	768,153	Aug. 23	4140	871	111	2014
Schoenthaler Manufacturing Company. (See Hans and Kochs, assignors.)						
Schoettel, Edward A., assignor to E. J. Schoettel, Brooklyn, N. Y. Manufacturing horns.....	769,410	Sept. 6	541	117	112	122
Schoettel, Emma J. (See Schoettel, Edward A., assignor.)						
Schoetl, Josef, et al. (See Selz and Guntrum, assignors.)						
Schoetl, Albert B., New York, N. Y. Gas fireplace-heater.....	758,111	Apr. 26	3799	825	109	2209
Schofield, Albert B., Brooklyn, N. Y., assignor, by mesne assignments, to Keystone Seal and Press Company. Seal.....	766,199	Aug. 2	89	16	111	1061
Schofield, Charles, Philadelphia, Pa. Willow.....	751,948	Feb. 9	2181	492	108	1543
Schofield, Charles, Philadelphia, Pa. Willow.....	772,831	Oct. 18	3247	709	112	1697
Schofield, Charles, and I. Reeder, Philadelphia, Pa. Lap-feeding device for carding-machines.....	772,832	Oct. 18	3249	709	112	1698
Schofield, Frederick C., Washington, D. C. Regulator for incandescent lamps.....	749,705	Jan. 12	2349	496	108	544
Schofield, Harry, and S. J. Ross, London, England, assignors of five-ninths to F. Dennis, Havre, France, and O. P. MacFarlane, Thundridge, Ware, county of Herts, England. Steam-boller.....	770,347	Sept. 13	2093	440	112	487
Schofield, Henry P., assignor to Covell Manufacturing Company, Chicago, Ill. Saw-runder.....	755,318	Mar. 22	4116	909	109	946
Schofield, Henry P., assignor to Covell Manufacturing Company, Chicago, Ill. Saw-sharpening machine.....	755,319	Mar. 22	4117	910	109	946
Schofield, James D., Dallas, Tex. Planter.....	777,754	Dec. 20	2522	557 558	113	2012

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Schofield, James J., Martinsville, Ind. Wagon-brake.....	765,860	July 26	3996	840	111	896
Schofield, James M., Stockton, Cal. Nut-lock.....	768,932	June 28	4577	1000	110	2491
Scholding, John H., Yonkers, N. Y. Tire for vehicles.....	759,134	May 8	1075	218	110	244
Scholes, William H., Allegheny, Pa. Sash-guide and metal weather-strip.....	776,621	Dec. 6	318	68	113	1468
Scholl, Michael, and D. Gronfeld, New York, N. Y. Closure for air-shafts.....	771,671	Oct. 4	887	200	112	1149
Scholtes, Philipp, Mount Oliver, Pa. Hammer.....	759,556	May 10	1977	404	110	468
Scholtz, Charles, assignor to Sharon Steel Hoop Co., Sharon, Pa. Conveyor or catcher for rolling-mills.....	759,557	May 10	1978	404	110	468
Schommer, Francis, <i>et al.</i> (See Francis, William, assignor.)						
Schöne, Louis, Dessau, Germany. Gas cooking apparatus.....	776,093	Nov. 29	5072	1071	113	1212
Schönert, Carl, Newark, N. J. Bottle-stopper.....	770,540	Sept. 20	2674	565	112	637
Schünfelder & Co., C. (See Melles, James, assignor.)						
Schooley, Cyrus N., Montevista, Colo. Tool.....	771,328	Oct. 4	215	47	112	1006
Schools, Harry J., Lebanon, Pa. Hose-drier.....	756,717	Apr. 5	1008	223	109	1557
Schoonmaker, Frank E., Adrian, Mich. Quadraple four-cycle explosive-engine.....	760,649	May 29	4096	871	110	973
Schoonmaker, James H., assignor to Winona Wire Cable Company, Winona, Minn. Cable-making machine.....	749,752	Jan. 19	2466	525	108	587
Schoonover, William J. (See Cammack and Schoonover.)						
Schopbach, Charles H., New York, Ill. Attachment for sanitary napkins.....	749,453	Jan. 12	1866	388	108	438
Schopke, Charles, San Francisco, Cal. Cigarette-roller.....	759,476	May 10	1825	368	110	435
Schorling, William H., Brooklyn, assignor to H. M. Brookfield, New York, N. Y. Machine for molding insulators.....	761,326	May 31	5491	1168	110	1287
Schorling, William H., Brooklyn, assignor to H. M. Brookfield, New York, N. Y. Molding-machine.....	773,768	Nov. 1	449	98	113	104
Schossusen, Arthur, Chicago, Ill. Lacing.....	759,477	May 10	1827	368	110	435
Schossow, Frederick A., Detroit, Mich. Automatic flushing-valve.....	756,291	Apr. 5	196	42	109	1386
Schott, William, Flint, Mich. Device for lifting the frames of railway-trucks.....	757,507	Apr. 19	2595	568	109	1926
Schott, William J., <i>et al.</i> (See Weggin, Edward P., assignor.)						
Schottmuller, Charles N., Taylors Falls, Minn. Turbine.....	775,315	Nov. 22	3577	755	113	864
Schoup, Emil, Lima, Ohio. Magazine for heating stoves or furnaces.....	764,683	July 12	1624	332	111	371
Schouten, Richard, Keokuk, Iowa. Knockdown case.....	768,801	June 28	4327	940	110	2438
Schowalter, Jacob A., Halstead, Kans. Cultivator attachment.....	773,998	Nov. 1	927	192	113	211
Schrader, George H. F. (See Schweinert and Kraft, assignors.)						
Schrader, George H. F., assignor to A. Schrader's Son, Incorporated, New York, N. Y. Tire-valve.....	777,312	Dec. 20	2666	586	113	2041
Schrader, Hermann, Hünningen, Germany. Organic acid from beet-root molasses and making same.....	761,412	May 31	5654	110	1326	
Schrader, John R., Buffalo, N. Y. Air-brake mechanism.....	756,533	Apr. 5	669	145	109	1494
Schrader, John R., Buffalo, N. Y. Hook and eye.....	767,018	Aug. 9	1808	379	111	1402
Schrader, Richard, Sierakowo, Germany. Separating starch by centrifugal action.....	757,778	Apr. 19	3154	685	109	2050
Schramm, Louis B., <i>et al.</i> (See Schmitt, Edward D., assignor.)						
Schramek, Peter P., assignor to one-half to L. F. Korach, St. Louis, Mo. Cloth measuring and examining machine.....	756,146	Mar. 29	5707	1259	109	1313
Schramm, A. L. W., Philadelphia, Pa. Pressure-regulating valve mechanism.....	765,638	July 19	3460	731	111	783
Schramm, Henry G., Camden, N. J. Gas heating attachment for range-boilers.....	775,781	Nov. 22	4554	966	113	1080
Schramm, Otto, New York, N. Y. Horseshoe.....	753,638	Mar. 1	797	178	109	174
Schreiber, Charles C., assignor to L. Schreiber & Sons Company, Cincinnati, Ohio. Elevator-gate.....	755,397	Mar. 22	4273	944	109	933
Schreiber, Jacob, Jr., Philadelphia, Pa. Bottle-soaking machine.....	768,486	Aug. 23	4809	1007	111	2165
Schreidt, Frank, Mansfield, Ohio. Relief-valve.....	770,824	Sept. 27	3339	683	112	780
Schreier, Herman, Sheboygan, Wis. Maltng-drum.....	764,323	July 12	1920	393	111	436
Schreiner, Friedrich, Plainfield, N. J. Stereotype-casting box.....	773,528	Oct. 25	4872	1028	112	2079
Schreurs, Garrett W., Muscatine, Iowa. Shell grader and separator.....	755,710	Mar. 29	4538	1080	109	1127
Schreyer, John F., New York, N. Y. Oil-burner.....	765,442	July 19	3089	647	111	704
Schriefer, Edward G., Cincinnati, Ohio. Extensible case.....	754,814	Mar. 15	3196	696	109	732
Schriefer, Edward G., Cincinnati, Ohio. Extensible case.....	754,815	Mar. 15	3199	697	109	733
Schriefer, Edward G., Cincinnati, Ohio. Adjustable shelf-support.....	754,816	Mar. 15	3202	697	109	734
Schriefer, Edward G., Cincinnati, Ohio. Adjustable shelf-support.....	754,817	Mar. 15	3203	698	109	734
Schriber, Cornelius. (See Wadsworth and Schriber.)						
Schultz, James B. von. (See Gleason, John C., assignor.)						
Schröder, Andrew F. W., Fontanelle, Iowa. Salt-box for animals.....	756,416	Apr. 5	455	94	109	1440
Schroder, Frank P., Jersey City, N. J. Fireproof shutter.....	778,279	Dec. 27	3606	778	113	2253
Schröder, Heinrich, assignor to Fahrzeugfabrik Eisenach, Eisenach, Germany. Recoil-spring apparatus for guns.....	751,874	Feb. 9	2032	460	108	1510
Schroeder, Emil, New York, N. Y. Fleshing and shaving machine.....	751,349	Feb. 9	1672	286	108	1283
Schroeder, Emil, New York, N. Y. Machine for grinding cutters.....	760,926	May 24	4673	995	110	1093
Schroeder, Emil, New York, N. Y. Machine for forming curry-knife edges on rotary cutters.....	771,211	Sept. 27	3990	845	112	943
Schroeder, Ernst H. (See Schroeder, Henry V. and E. H.)						
Schroeder, Henry A., Baltimore, Md. Faucet.....	770,825	Sept. 27	3241	683	112	781
Schroeder, Henry F., assignor to United Brass Mfg. Co., Cleveland, Ohio. Bib-cock.....	760,706	May 24	4230	898	110	1000
Schroeder, Henry V. and E. H., Minier, Ill. Portable grain dump and elevator.....	772,384	Oct. 18	3254	710	112	1699
Schroeder, Richard W., Bloomington, Ill. Rest device.....	769,495	Sept. 6	706	152	112	161
Schroepfer, Casper, assignor to one-half to E. Rodler, Davenport, Iowa. Machine for manufacturing button-blanks from shells.....	769,992	Sept. 13	1493	319	112	335
Schroer, Hermann, Mannheim, Germany. Lifting-jack.....	761,413	May 31	5655	1204	110	1326
Schroeter, Carl, assignor to Chicago Coke Oven Construction Company, Chicago, Ill. Coke-oven.....	761,789	June 7	351	71	110	1517
Schroll, William S. (See Hartman, John S., assignor.)						
Schroyer, Harry H. (See Donaldson and Schroyer.)						
Schroyer, Harry H., Chicago, Ill. Means for attaching vestibule-diaphragms.....	768,775	Aug. 30	5413	1110	111	2316
Schrum, Ralph S., Blairsville, Pa. Fastening and sealing device for milk-cans.....	768,403	Aug. 23	4654	975	111	2133
Schubert, Bernhard F. (See Leder, Paul H. A., assignor.)						
Schubert, Bernhard F. (See Simms, Rudolph, assignor.)						
Schubert, Bernhard F., assignor to one-half to R. Simms, Washington, D. C. Combination implement.....	758,282	Apr. 26	4138	894	109	2283
Schubert, Georg M., Chemnitz, Germany. Differential high and low pressure gage.....	755,175	Mar. 22	3853	850	109	893

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Schubert, Max, Cottbus, Germany. Apparatus for making and simultaneously driving nails of wire.	752,305	Feb. 16	2865	637	108	1714
Schuch, William, West Hoboken, N. J., assignor to J. Soss and C. K. Cole, New York, N. Y. Sash-balance.	771,276	Oct. 4	110	23,25	112	985
Schuchert, Albert E., Cincinnati, Ohio. Cutting-machine.	708,629	Aug. 30	5124	1078	111	2251
Schuckers, Jacobs W., Newark, N. J. Type-writing machine.	752,422	Feb. 16	3098	1687	108	1764
Schug, John B., Detroit, Mich. Contact-breaker.	770,541	Sept. 20	2676	586	112	637
Schuler & Clark Manufacturing Co. (See Clark, Ira C., assignor.)						
Schulte, Anthony. (See Formander, Alfred assignor.)						
Schulte, David J., Latrobe, Pa. Target-trap.	762,353	June 14	1428	309	110	1768
Schulte, Henry J. (See Khotinsky, Achilles de, assignor.)						
Schulte, Louis, Brooklyn, N. Y. Grinding and polishing machine.	762,766	June 14	2382	1497	110	1949
Schultheiss, Rupert, Tacoma, Wash. Starting-valve for compound locomotives.	769,360	Sept. 6	444	100	112	98
Schultz, Alexander M., Newark, N. J. Folding stool.	760,230	May 17	3349	704	110	787
Schultz, Charles W., assignor of one-fourth to W. E. Tiffin, Detroit, Mich. Discharge-valve for tanks.	772,434	Oct. 18	2478	543	112	1533
Schultz, Galen T., assignor of two-thirds to M. E. Silver, Sioux City, Iowa. Tea-kettle.	759,194	May 3	1198	244	110	271
Schultz, George E. (See Wells, Elmer J., assignor.)						
Schultze, Albert. (See Shilton and Schultze.)						
Schulz, Edward H., U. S. Army. Protective disappearing platform for search-light projectors.	777,644	Dec. 13	2328	1510	113	1953
Schulz, Ernest, Roundrock, Tex. Connecting-arch for cultivators.	767,251	Aug. 9	2286	479	111	1566
Schulz, William G., Elmore, Minn. Safety neck-yoke attachment.	772,835	Oct. 18	3359	711	112	1700
Schulze, Ernest H., Kansas City, Mo. Street-car fender.	772,945	Oct. 25	3325	764	112	1774
Schulze, Ernst H., Kansas City, Mo. Street-car fender.	766,906	Aug. 9	1609	338	111	1417
Schulze, Louis A., San Francisco, Cal. Oil-burner.	762,660	June 14	2063	446	110	1905
Schulze-Pillot, Friedrich G. J., Milwaukee, Wis., assignor to Allis-Chalmers Company. Disconnecting suspension device for heavy machine parts.	775,252	Nov. 15	3443	727	113	817
Schumacher, Eberhard. (See Pease and Schumacher.)						
Schumacher, Henry. (See Schumacher, Lewis and H.)						
Schumacher, Henry, Dayton, Ohio. Machine for sizing tobacco-leaves.	771,941	Oct. 11	1454	1330	112	1282
Schumacher, Lewis and H., Ooshooton, Ohio. Combination bevel and square.	759,319	May 10	1516	305	110	366
Schuman, Walter J., Chicago, Ill. Stock-car.	778,553	Dec. 27	4145	903	113	2370
Schuman, James B., Columbia City, assignor of one-half to J. K. Sharpe, Jr., Indianapolis, Ind. Corn-shock loader.	765,683	July 26	3577	759	111	824
Schumann, Gustav C. (See Behaghel and Schumann.)						
Schumann, Otto, Philadelphia, Pa. Street-sweeping machine.	778,076	Dec. 20	3208	1705	113	2149
Schumer, Jacob H. (See Picker and Schumer.)						
Schure, Paul W., Newhaven, Mo. Ham-tug attachment.	760,650	May 24	4101	872	110	973
Schureman, Jacob L., Jr., Chicago, Ill. Gramophone attachment for music-boxes.	755,946	Mar. 29	5350	1181	109	1237
Schureman, Jacob L., Jr., Chicago, Ill. Circuit-controller.	756,534	Apr. 5	675	145	109	1455
Schürer, Eugen. (See Schleifenbaum and Schürer.)						
Schurmeier, Theodore L., et al. (See Nederman, Herman, assignor.)						
Schussler, John H., assignor of one-fourth to F. B. Stevenson, Denver, Colo. Inking-roll mechanism for printing-presses.	769,640	Sept. 6	954	207	112	218
Schustek, Daniel, assignor to H. L. Andrews, Chicago, Ill. Organ.	754,713	Mar. 15	3017	659	109	693
Schustek, Daniel, and H. L. Andrews, Chicago, Ill.; said Schustek assignor to said Andrews. Leg for furniture.	750,900	Feb. 2	232	52	108	1109
Schuster, Carl, and C. N. Bergmann, Pittsburg, Pa. Electric-arc lamp.	752,865	Feb. 2	3351	886	108	1570
Schuster, Henry H., St. Louis, Mo. Folding wardrobe.	754,613	Mar. 15	2803	611	109	646
Schuster, Herman, Columbus, Neb. Corn-husking implement.	753,639	Mar. 1	798	178	109	174
Schuster, Morris A., Newman, Cal. Reversible wagon-seat.	769,876	Sept. 13	1409	300	112	386
Schuster, Neal M., Kirksville, Mo. Trimming-machine.	754,818	Jan. 15	3206	1688	109	735
Schütt, Alfred, Charlottenburg, Germany. Generating motive power.	750,493	Jan. 26	3846	835	108	906
Schütt, Alfred, Charlottenburg, Germany. Generation of motive power.	750,494	Jan. 26	3847	835	108	906
Schütt, Alfred, Charlottenburg, Germany. Utilizing waste gases.	768,404	Aug. 23	4655	975	111	2133
Schutt, Duny A., Peru, Ind. Lamp-socket.	749,952	Jan. 19	2842	607	108	669
Schutt, Duny A., Peru, Ind. Lamp-socket.	753,321	Mar. 1	197	44	109	46
Schutt, Duny A., Peru, Ind. Lamp-socket.	771,791	Oct. 4	1126	251	112	1300
Schutt, Hinrich B., Brooklyn, N. Y. Protective mask.	761,257	May 31	5353	1137	110	1238
Schutt, Hinrich B., assignor of one-third to P. P. Schutt, Brooklyn, N. Y. Safety-eyelap.	759,398	May 10	1679	340	110	400
Schutt, Owen. (See Denyes and Schutt.)						
Schutt, Patience P. (See Schutt, Hinrich B., assignor.)						
Schütté, August E., Elmont, assignor to Warren Brothers Company of Charleston, West Virginia, Boston, Mass. Pavement.	768,698	Aug. 30	5280	1109	111	2284
Schütté, August E., Cambridge, assignor to Warren Brothers Company of Charleston, West Virginia, Boston, Mass. Laying pavements.	768,699	Aug. 30	5282		111	2285
Schutte, Benjamin C., Red Hook, N. Y. Regulating mechanism for sound-reproducing machines.	762,661	June 14	2064	1446	110	1906
Schutte and Körting Company. (See Schutte, Louis, assignor.)						
Schutte, Louis, assignor to Schutte and Körting Company, Philadelphia, Pa. Jet-nozzle.	759,320	May 10	1517	305	110	366
Schütz, Conrad. (See Cooper and Schütz.)						
Schutz, Joseph M., Minneapolis, Minn. Producing heat from fuel.	751,350	Feb. 2	1073	243	108	1286
Schutz, Joseph M., Minneapolis, Minn. Diluent for medical compounds.	757,419	Apr. 12	2414		109	1027
Schutz, Joseph M., assignor to Schutz-O'Neill Company, Minneapolis, Minn. Gyration sifter.	756,292	Apr. 5	200	42	109	1387
Schutz-O'Neill Company. (See Schutz, Joseph M., assignor.)						
Schutz, Wilhelm, Kassel, Germany. Telegraph-pole.	775,637	Nov. 22	4287	905	113	1022
Schuyler, Charles J. (See Rogers and Schuyler.)						
Schuyler, Daniel. (See Newell and Schuyler.)						
Schwab, Gustave, New York, N. Y. Support for photographic albums.	771,671	Oct. 4	889	200	112	1149
Schwab, Louis. (See Sampson, Robert W., assignor.)						
Schwab, Martin, Erie, Pa. Shade-roller-bracket jack.	752,866	Feb. 23	3953	886	108	1970
Schwab, Martin C., Baltimore, Md. Conveyor.	759,922	May 17	2685	564	110	638
Schwab, Martin C., Baltimore, Md. Conveyor.	764,012	July 5	189	33	111	46
Schwab, Nathan. (See Baruch, Emile, assignor.)						
Schwab, Peter W., assignor to Monitor Drill Company, St. Louis Park, Minn. Seed-planting device for drills.	761,851	June 7	485	98	110	1548

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Schwabe, Georg, Bielitz, Austria-Hungary. Means for guiding the jacks in Crompton dobbie-loom.	758,219	Apr. 26	3999	868	109	2253
Schwabe, Georg, Bielitz, Austria-Hungary. Mechanism for changing the shuttles in looms.	765,711	July 26	8625	772	111	833
Schwabe, Georg, Bielitz, Austria-Hungary. Shuttle-operating device.	778,378	Dec. 27	8811	892	113	2297
Schwabe, Laurence. (See Gold and Schwabe.)						
Schwabe, Vinzenz, Prague, Austria-Hungary. Metallic packing.	762,202	June 7	1116	239	110	1681
Schwahn, Heinrich F. D., St. Louis, Mo. Preparing aluminium sulfate.	752,927	Feb. 23	4101	111	108	2005
Schwabe, Herman L., Jersey City, N. J. Step-ladder.	763,209	June 21	8162	680	110	2167
Schwabinger, Ernest, and J. Thomson, Pittsburgh, Pa. Hose-coupling.	763,210	June 21	8163	680	110	2167
Schwan, Nicolaus. (See Homolka and Schwan.)						
Schwanbeck Brothers. (See Schwanbeck, Gustave A., assignor.)						
Schwanbeck, Gustave A., assignor to Schwanbeck Brothers, Detroit, Mich. Case for gases.	754,957	Mar. 15	3475	760	109	795
Schwanninger, Vitus, Oggersheim, Germany. Apparatus for exhausting vapors or gases.	767,502	Aug. 16	2786	582	111	1694
Schwanninger, Vitus, Oggersheim, near Mannheim, Germany. Steam-trap.	771,398	Oct. 4	372	82	112	1036
Schwanke, William C. (See King, Elias D., assignor.)						
Schwartz, Carl, München-Gladbach, Germany. Bobbin-winder.	755,398	Mar. 22	4275	944	109	983
Schwartz, Edward H., Chicago, Ill. Feed-water heater.	756,417	Apr. 5	458	94	109	1440
Schwartz, Edward H., Chicago, Ill. Portable water-heater.	758,859	May 3	549	154	110	1380
Schwartz, Edward H., Chicago, Ill. Hot-air-generating gas-burner.	762,002	June 7	760	155	110	1604
Schwartz, Edward H., Chicago, Ill. Boiler.	771,278	Oct. 4	113	25	112	986
Schwartz, H., et al. (See Smith, George A., assignor.)						
Schwartz, John O., and S. Neligh, Hope, Ind. Railway-rail.	751,110	Feb. 2	598	138	108	1188
Schwartz, Nicolaus C. B., New York, N. Y. Vaginal douche.	752,361	Feb. 16	2969	660	108	1738
Schwartz, Walter M. (See Proctor and Schwartz.)						
Schwartz, William, Roscoe, Pa. Horse-detacher.	761,184	May 31	5202	1106	110	1226
Schwartzman, Jacob, assignor of two-thirds to J. and M. Marcus, New York, N. Y. Combination bed, lounge, crib, or the like.	765,712	July 26	3627	772	111	833
Schwartz, Alfred, assignor to General Metals Refining Company, New York, N. Y. Apparatus for the electrolytic refining of metals.	760,023	May 17	2888	604	110	684
Schwartz, Alfred, assignor to C. M. Lindley, New York, N. Y. Process of separation.	766,289	Aug. 2	309	63	111	1099
Schwartz, Alice H., New York, N. Y., assignor to Schwarz Ore Treating Company. Concentrating ores.	771,277	Oct. 4	112	25	112	986
Schwartz, Edward L., and A. G. Ward, Belleville, Ill. Suspension-clamp for electric conductors.	776,895	Dec. 6	457	101	113	1528
Schwartz Ore Treating Company. (See Schwartz, Alice H., assignor.)						
Schwartz System Brick Company. (See Schwartz, Wilhelm, assignor.)						
Schwartz, Wilhelm, Zurich, Switzerland, assignor, by mesne assignments, to Schwarz System Brick Company. Producing refractory calcareous sandstones.	760,571	May 24	3943		110	938
Schwartz, Wilhelm, Zurich, Switzerland, assignor, by mesne assignments, to Schwarz System Brick Company. Apparatus for the manufacture of artificial stone.	760,651	May 24	4103	872	110	973
Schwartz, Henry C., Chicago, Ill. Steam-turbine.	751,203	Feb. 7	805	185	108	1228
Schwarze, Henry J., Verona, Mo. Binder attachment.	762,003	June 2	922	190	110	1637
Schwarzenbach, Heinrich, and G. Lier, Zurich, Switzerland. Dobby for looms for weaving.	763,432	June 28	3638	783	110	2291
Schwarzschild, Solomon, Rochester, N. Y. Electric burglar and fire alarm.	758,701	May 3	185	39	110	44
Schweers, Raphael, Berlin, Germany. Copying-machine.	770,321	Sept. 20	2275	478	112	549
Schweicher, Carl W., Chicago, Ill. Stiffener for coat-fronts.	769,411	Sept. 6	543	118	112	122
Schweikart, Carl. (See Finlayson, Alexander W., assignor.)						
Schweiner, Maximilian C., West Hoboken, N. J., and H. F. Kraft, assignors to G. H. F. Schradner, New York, N. Y. Machine for contracting ferrules, &c.	758,195	Apr. 26	3955	858	109	2244
Schweinfürth, Johann, Riehen, Germany. Harrow-tooth.	750,495	Jan. 26	3848	835	108	906
Schweitzer, Jean, Horgen, Switzerland. Scouring-machine for woven fabrics.	757,148	Apr. 12	1870	408	109	1758
Schweitzer, Albert, assignor to Keystone Electric & Manufacturing Co., Pittsburgh, Pa. Magnet-coil.	777,148	Dec. 13	1361	300	113	1745
Schweitzer, Albert, assignor to Automatic Illuminating Advertising & Manufacturing Company, Pittsburgh, Pa. Stereoscopic.	778,803	Dec. 27	4611	1007	113	2473
Schweitzer, Edmund O., assignor of one-half to J. J. Schayer, Chicago, Ill. Electric compensator.	778,714	Dec. 27	4441	971	113	2436
Schweitzer, William J., Whiteplains, N. Y. Apparatus for treating sewage.	763,026	June 21	2789	606	110	2083
Schweitzer, William J., White Plains, N. Y. Electrolytic apparatus.	767,964	Aug. 16	3675	775	111	1889
Schweizer, Charles, Maplewood, Mass. Stove.	748,790	Jan. 5	450	101	108	101
Schweizer, Charles, Maplewood, Mass. Kiln.	750,599	Feb. 2	280	51, 52	108	1109
Schweizer, Charles, Maplewood, Mass. Hydrocarbon-burner.	752,928	Feb. 23	4103	914	108	2065
Schweizer, Charles, Maplewood, assignor to American Heating Company, Boston, Mass. Furnace for boilers.	770,393	Sept. 20	2303	506	112	575
Schweizerische Locomotiv- und Maschinenfabrik. (See Weiglé, Henri, assignor.)						
Schwenmmer, Paul C., and N. M. Shinn, assignors to R. and T. B. Dornan, Philadelphia, Pa. Harness mechanism for looms.	760,024	May 17	2890	604	110	685
Schwend, George M., Birmingham, Ala. Track-sander for locomotives.	752,598	Feb. 16	3429	764	108	1839
Schwenn, Gus, et al., executors. (See Deucher, Henry P.)						
Schwerdtle, Edward S. (See Strauss and Schwerdtle.)						
Schwieger, Adolf, assignor to J. Gravi, Hanover, Germany. Spring-tire for vehicles.	748,797	Jan. 5	452	101	108	102
Schwiep, Otto C. A., Davenport, Iowa. Wire-stretcher.	771,080	Sept. 27	3771	795	112	898
Schwiep, Benjamin F., assignor to W. B. White, Cleveland, Ohio. Mechanical toy.	761,108	May 31	5070	1076	110	1197
Schwing, George, and G. Yunker, Newark, N. J., assignors to Newark Cornice and Sky-light Works. Automatic fire-window.	776,948	Dec. 6	978	210	113	1643
Schwein, Edward, Dayton, Ohio. Clothing support.	751,688	Feb. 9	1668	378	108	1481
Schwob, Adolphe. (See Blanc, Alfred, assignor.)						
Schwob, John J., St. Louis, Mo. Elevator.	761,011	May 24	4832	1026	110	1128
Scidmore, Louis A., Eau Claire, Wis. Thill or tongue support.	753,742	Mar. 1	1013	230	109	217
Scientific Lens Company. (See Nehring, Ulrich, assignor.)						
Scilley, Hugh, et al. (See Heilig and Reed, assignors.)						
Scism, John N., Schenectady, N. Y. Shoe attachment.	764,635	July 12	1534	311	111	350
Scoffield, H. M., and M. M. (See Davy, Charles F., assignor.)						
Scoffield, William B., et al. (See Crompton, Randolph, assignor.)						
Scoggins, James L., and J. R. Dean, Grand Saline, assignors of one-half to O. P. Pyle, Mineola, Tex. Flow.	764,893	July 5	976	197	111	216
Scoggins, Jesse C., Alva, Okla. Ter. Lodge account and receipt book.	770,120	Sept. 13	1850	392	112	494
Scoggins, Jesse C., Alva, Okla. Ter. Roundabout.	770,121	Sept. 13	1852	393	112	495
Scoggins, Jesse C., Alva, Okla. Ter. Work-holder.	776,553	Dec. 6	171	39	113	1464
Scott, Adam, Cannonbury, England. Core-box for foundries' use.	773,994	Nov. 1	937	192	113	211

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Scott, Alexander A., Knoxville, Tenn. Drying-house.....	759,135	May 3	1076	218 219	110	244
Scott, Alexander A., Knoxville, Tenn. Elevating-truck.....	763,027	June 21	2792	906	110	2084
Scott, Archibald D., Providence, R. I., assignor to Varley Duplex Magnet Company. Circuit-controller.....	775,685	Nov. 22	4340	916	113	1034
Scott, Arthur H., Philadelphia, Pa. Toilet-paper cabinet.....	760,402	May 17	3603	759	110	844
Scott, Arthur H., Philadelphia, Pa. Sandpapering-machine.....	765,103	July 12	2439	508	111	546
Scott, Arthur H., Philadelphia, Pa. Toilet-paper package.....	765,599	July 19	3386	713	111	768
Scott, Baptist H., Allegheny, Pa. Electric signal.....	749,105	Jan. 5	1112	286	108	256
Scott, Benjamin S., Ewell, Va. Fish-hook.....	754,349	Mar. 8	2205	491	109	486
Scott, Benjamin T., Los Angeles, Cal. Stamp-mill.....	775,181	Nov. 15	5138	681	113	732
Scott, Charles, Minneapolis, Minn. Color-blending wheel.....	748,661	Jan. 5	206	50	108	45
Scott, Charles F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of alternating-current distribution.....	758,702	May 3	187	39	110	45
Scott, Charles F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current electrical apparatus.....	765,203	July 19	2616	546	111	603
Scott, Charles F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotating the field-magnets of alternating-current generators.....	774,955	Nov. 15	2780	595	113	656
Scott, Charles F., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotating the field-magnets of alternating-current generators.....	774,956	Nov. 15	2783	596	113	656
Scott, Charles F., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Earth-shield for transformers.....	767,503	Aug. 16	2787	582	111	1695
Scott, Charles F., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotating field-magnets of dynamo-electric machines.....	774,954	Nov. 15	2778	595	113	656
Scott, Charles S., Cadiz, Ohio. Detachable pneumatic tire.....	770,611	Sept. 20	2799	595	112	665
Scott, Clarence N., Buffalo, assignor to International Steam Pump Company, New York, N. Y. Shaft-coupling.....	755,053	Mar. 22	3635	798	109	846
Scott, Crawford. (See Phillips, James C., assignor.).....	765,297	July 19	2780	580	111	637
Scott, Daniel C., Walter, Okla. Ter. Rein-holder.....	767,685	Apr. 19	2967	645	109	2009
Scott, Daniel D., Boston, Mass., assignor to Mergenthaler Linotype Company. Linotype-machine.....	765,104	July 12	2440	509	111	546
Scott, David J., and G. A. Slater, Pentwater, Mich. Tension device.....	766,736	Aug. 2	1223	259	111	1313
Scott, David W., Zion City, Ill. Ribbon-clasp.....	752,183	Feb. 16	2619	581	108	1659
Scott, Ellis, Richmond, Ind. Pocket souvenir.....	757,844	Apr. 19	3269	708	109	2074
Scott, Frederick D., Montreal, Canada. Combined box and cutter for goods in ribbon form.....	766,533	Aug. 2	800	169	111	1216
Scott, George W., Detroit, Ill. Gate-selector.....	758,151	Apr. 26	3874	841	109	2228
Scott, George W., Sadler, Tex. Suspenders.....	774,205	Nov. 8	1810	278	113	313
Scott, Gerard C., Columbus, Ohio. Amalgamating-machine.....	773,266	Oct. 25	4298	908	112	1954
Scott, Helen E., Baltimore, Md. Catamenial appliance.....	778,077	Dec. 20	3210	718	113	2150
Scott, Herbert, Bradford, England. Electric clock.....	770,322	Sept. 20	2276	473	112	549
Scott, Herbert, Bradford, England. Electric clock.....	770,323	Sept. 20	2280	479	112	550
Scott, Herbert, Bradford, and A. Loeb, London, England. Electric clock.....	759,026	May 3	873	178	110	201
Scott, Herbert A. (See Baker and Scott.).....						
Scott, Herbert W., et al. (See Kettle, Stephen, assignor.).....						
Scott, Jacob R., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-skiving machine.....	760,025	May 17	3894	605 606	110	685
Scott, Jacob R., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blank-feeding mechanism.....	760,082	May 17	3994	626 627	110	709
Scott, Jacob R., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blank-feeding mechanism.....	777,550	Dec. 13	2130	465 466 467	113	1913
Scott, James. (See Klonan, Anthony C., assignor.).....						
Scott, James A., and W. F. Taylor, Chicago, Ill. Computing-machine.....	757,508	Apr. 19	2597	569	109	1927
Scott, James C., assignor to Scott Muffler Company, Portsmouth, Ohio. Neck-muffler.....	774,703	Nov. 8	2226	486	113	510
Scott, James E., Louisville, Ky. Weather-strip.....	774,702	Nov. 8	2225	486	113	510
Scott, James L., Lair, Ky. Pittman.....	763,802	June 28	4329	940	110	2488
Scott, James R., Hull, England, assignor of three-fourths to W. Marshall, H. Rippon, and V. P. Smyth. Hauling-gear for trawl-nets.....	753,168	Feb. 23	4553	1015	108	2106
Scott, James S., assignor of one-third to W. J. Aikens, Brantford, Canada. Hot-water cooler.....	756,061	Mar. 29	5550	1225	109	1281
Scott, James W. (See Taylor and Scott.).....						
Scott, James W., Colorado Springs, Colo. Fluid-pressure regulator.....	762,767	June 14	2285	499	110	1950
Scott, James W., Warren, Me. Stop mechanism for carding-machines.....	767,965	Aug. 16	3677	776	111	1889
Scott, Jasper S., assignor of one-half to A. E. Shepard, San Jose, Cal. Bolt-holding implement.....	749,454	Jan. 12	1868	388	108	439
Scott, John, assignor of one-half to E. P. Mueller, Milwaukee, Wis. Drier.....	777,235	Dec. 13	1496	331	113	1774
Scott, John H., Huntington, Utah. Combined mud and dust guard for vehicles.....	755,007	Jan. 19	2948	631	108	692
Scott, Joseph D., Shields, England. Heat-insulating compound.....	772,181	Oct. 11	1955	112	112	1392
Scott, Josiah, assignor of one-half to C. H. Burchinal, Toledo, Ohio. Car lock and seal.....	753,006	Feb. 23	4258	949	108	2040
Scott, Leather Machine Company. (See Scott, Rufus D., assignor.).....						
Scott, Marcus. (See Phillips, William P., assignor.).....						
Scott, Moncrieff, William D., Westminster, England. Apparatus for testing organically-contaminated liquids.....	765,794	July 26	3821	814 815	111	870
Scott, Muffler Company. (See Scott, James C., assignor.).....						
Scott, Orril E., Waterbury, Vt. Jewel-pin setter.....	775,253	Nov. 15	3445	727	113	818
Scott, Paper Company. (See McGown, Clark E., assignor.).....						
Scott, Ralph, Wilkesbarre, Pa. Resistance-bar.....	770,660	Sept. 20	2899	617	112	687
Scott, Ralph, Wilkesbarre, Pa., assignor of one-half to M. A. Miller, New York, N. Y. Electric arc lamp.....	772,257	Oct. 11	2114	463	112	1480
Scott, Ralph, Wilkesbarre, Pa., assignor of one-half to M. A. Miller, New York, N. Y. Electric arc lamp.....	774,789	Nov. 15	2446	528	113	582
Scott, Richard H., assignor to Olds Gasoline Engine Works, Lansing, Mich. Brace for wheels.....	766,773	Aug. 2	1907	277	111	1331
Scott, Robert F., assignor to Edwin Harrington, Son and Company, Incorporated, Philadelphia, Pa. Lathe.....	776,554	Dec. 6	173	39	113	1464
Scott, Robert W. (See Williams, Louis N. D., assignor.).....						
Scott, Robert W., Philadelphia, assignor of one-half to L. N. D. Williams, Ashbourne, Pa. Sewing-machine for overseaming and finishing edges of fabrics.....	767,173	Aug. 9	2149	446	111	1535
Scott, Robert W., Philadelphia, assignor of one-half to L. N. D. Williams, Ashbourne, Pa. Knitting-machine. (Reissus).....	12,256	Aug. 9	2502	523	111	1612
Scott, Robert W., Philadelphia, assignor of one-half to L. N. D. Williams, Ashbourne, Pa. Ribbed knitted fabric.....	777,048	Dec. 6	1179	257	113	1689

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Scott, Rufus D., Beverly, Mass., assignor to A. G. Ropes, Morristown, N. J. Transmission-gear for power-driven vehicles	752,001	Feb. 9	2302	514 515	108	1569
Scott, Rufus D., Beverly, Mass., assignor to A. G. Ropes, Morristown, N. J. Running-gear for power-driven vehicles	759,559	May 10	1981	405	110	468
Scott, Rufus D., Beverly, Mass., assignor to A. G. Ropes, Morristown, N. J. Differential gear for power-driven vehicles	759,757	May 10	2363	493	110	551
Scott, Rufus D., Beverly, Mass., assignor to Scott Leather Machine Company. Machine for seasoning leather	760,572	May 24	3944	837	110	938
Scott, Sempie S., assignor to Electric Auto Chair Company, St. Louis, Mo. Motor-vehicle	760,810	May 24	4449	947 948	110	1045
Scott, Walter. (See White, Hugh, assignor.)						
Scott, Walter, Plainfield, N. J. Printing-machine	750,401	Jan. 26	3677	798	108	870
Scott, Walter, Plainfield, N. J. Inking apparatus for printing-presses	751,351	Feb. 2	1076	243 244	108	1287
Scott, Walter, Plainfield, N. J. Printing and folding machine	753,169	Feb. 23	4534	1015 1016	108	2106
Scott, Walter, Plainfield, N. J. Printing and folding machine	753,640	Mar. 1	799	178 179	109	174
Scott, Walter, Plainfield, N. J. Printing-press	758,112	Apr. 26	3802	825 826	109	2210
Scott, Walter, Plainfield, N. J. Inking apparatus for printing-presses	767,125	Aug. 9	2044	425	111	1514
Scott, Walter, and A. W. Weseman, Plainfield, N. J.; said Weseman assignor to said Scott. Printing-press	764,775	July 12	1798	368 369	111	410
Scott, Walter E. (See Alexander, Jesse, assignor.)						
Scott, Walter H., Chicago, Ill. Incandescent-lamp holder	764,829	July 12	1921	394	111	436
Scott, Wesley M., Columbus, Ohio, assignor to P. Hayden Saddlery Hardware Co. Elevating-truck	759,558	May 10	1980	404	110	468
Scott, William H., assignor to J. C. Wands, St. Louis, Mo. Air-brake controller	754,246	Mar. 8	2030	451 452 453	109	462
Scott, William H., assignor to J. C. Wands, St. Louis, Mo. Air-brake controller	754,393	Mar. 8	2346	512 513	109	529
Scott, William H., St. Louis, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Truck-bolster	762,443	June 14	1614	351	110	1808
Scott, William H., assignor to Controller Company of America, St. Louis, Mo. Coin-controlled locking mechanism	766,396	Aug. 2	505	108	111	1152
Scott, William H., assignor of two-thirds to S. L. G. Hyde and F. S. Freund, St. Louis, Mo. Dough-break	754,006	Mar. 8	1751	389 390	109	401
Scott, William M. (See Kloman, Andrew C., assignor.)						
Scott, William M., Saxton, Pa. Retort coke-oven	757,509	Apr. 19	2599	569 570	109	1927
Scott, William M., Philadelphia, Pa. Assignor to Cutter Electrical and Manufacturing Company. Automatic circuit-breaker	754,505	Mar. 15	2610	567 568	109	606
Scott, William M., Philadelphia, Pa., assignor to Cutter Electrical & Manufacturing Company. Automatic magnetic circuit-breaker	758,988	May 3	714	143	110	167
Scott, William M., Philadelphia, Pa., assignor to Cutter Electrical and Manufacturing Company. System of distribution	768,257	June 7	1219	263	110	1704
Scott, William R., Fort Worth, Tex. Cattle-guard	771,838	Oct. 11	1223	271 272	112	1235
Scout, Charles W., Harrisburg, Pa. Peanut and combination wagon	776,148	Nov. 29	5282	1117 1118	113	1261
Scovill, James P., Wyoming, Ohio. Machine for shelling peas, beans, or the like	767,086	Aug. 9	1968	411	111	1498
Scovill Manufacturing Company. (See Adams, Henry W., Jr., assignor.)						
Scovill Manufacturing Company. (See Goss, Edward O., assignor.)						
Scovill Manufacturing Company. (See Hyde, Theophilus R., Jr., assignor.)						
Scovill Manufacturing Company. (See Hyde and Simons, assignors.)						
Scovill Manufacturing Company. (See Plowman, Albert E., assignor.)						
Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)						
Scovill Manufacturing Company. (See Spray, James H., assignor.)						
Scoville, Charles E., Ashland, Ohio. Valve	770,703	Sept. 20	2982	634	112	706
Scribner, Charles E., assignor to Western Electric Company, Chicago, Ill. Ringing-key for telephone-switchboards	751,566	Feb. 9	1448	329	108	1386
Scribner, Charles E., assignor to Western Electric Company, Chicago, Ill. Apparatus for telephone-switchboards	761,852	June 7	486	98	110	1548
Scribner, Charles E., assignor to Western Electric Company, Chicago, Ill. Signaling system for telephone-exchanges	763,803	June 28	4330	940	110	2438
Scribner, Charles E., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange system	772,833	Oct. 18	3250	710	112	1698
Scribner, Charles E., assignor to Western Electric Company, Chicago, Ill. Service-meter for telephone-exchanges	776,429	Nov. 29	5819	1232	113	1383
Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, Chicago, Ill. Telephone-exchange system	760,573	May 24	3945	837	110	939
Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, Chicago, Ill. Electric pole-changer	760,574	May 24	3949	838	110	940
Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, Chicago, Ill. Connection-counter for telephone-exchanges. (Reissue.)	12,232	June 21	3407	741	110	2220
Scribner, Charles E., Chicago, and F. R. McBerty, Evanston, assignors to Western Electric Company, Chicago, Ill. Service-meter for telephone-lines	755,054	Mar. 22	3636	798	109	846
Scribner, Charles E., Chicago, and F. R. McBerty, Evanston, assignors to Western Electric Company, Chicago, Ill. Service-meter for telephone-exchanges	765,255	July 19	2704	563	111	621
Scribner, Charles E., and J. L. McQuarrie, assignors to Western Electric Company, Chicago, Ill. Apparatus for telephone-lines	758,703	May 3	189	39	110	45
Scrimgeour, John, Jr., and J. Oberdorfer, Pittston, Pa. Egg-scoop	772,182	Oct. 11	1955	431	112	1392
Scritchfield, James J., and J. E. Janesville, Wis. Fountain-pen	770,612	Sept. 20	2801	595	112	666
Scritchfield, Julie E. (See Scritchfield, James J., and J. E.)						
Scriven, Jeremiah A., New York, N. Y. Garment	753,392	Mar. 1	198	45	109	46
Scriven, Jeremiah A., New York, N. Y. Garment	765,315	July 19	3242	679	111	737
Scudder, Heyward, Boston, Mass. Holder for card-indexing cards	757,686	Apr. 19	2969	646	109	2009
Scudder, Silas D., New York, N. Y. Traveler's certified bank-check	777,149	Dec. 13	1362	300	113	1745
Scudder, Wilbur S., Brooklyn, N. Y., assignor to Monoline Composing Company, Washington, D. C. Line-casting machine	754,614	Mar. 15	2805	612 613 614	109	646
Scully, John, Minneapolis, Minn. Fireproof theater	765,600	July 19	3388	713 714	111	769
Seabury, Charles L., New York, N. Y. Water-tube boiler	765,443	July 19	3093	647 648	111	705

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Seabury, Gorham T., Cheyenne, Wyo. Live-stock-spraying machine	774,379	Nov. 8	1488	308 309	113	341
Seacrist, Elwood E., Alliance, Ohio. Self-leveling furniture-support	751,689	Feb. 9	1669	378	108	1432
Seacrist, Elwood E., Alliance, Ohio. False partition for barrels, &c.	775,610	Nov. 23	4232	888	113	1009
Seager, James H., and J. J. Kelly, Flushing, N. Y. Flush-tank apparatus	730,328	Jan. 19	3360	725	108	773
Seager, James H., and J. J. Kelly, Flushing, N. Y. Flush-tank apparatus	754,247	Mar. 8	3031	452	109	463
Seagrave, Frederic S., Detroit, Mich. Aerial ladder	768,700	Aug. 30	5283	1110	111	2285
Seals, James T., Hazleton, Ind. Pipe-coupling	755,249	Mar. 22	3086	884	109	920
Seaman, Alonzo D., Milwaukee, Wis., assignor to Knickerbocker Trunk Company, New York, N. Y. Wardrobe-trunk	753,743	Mar. 1	1014	230	109	218
Seaman, Alonzo D., Milwaukee, Wis., assignor to Knickerbocker Trunk Company, New York, N. Y. Wardrobe-trunk	753,744	Mar. 1	1015	230	109	218
Seaman, Charles G., Spokane, Wash. Sash-fastener	774,306	Nov. 8	1312	279	113	313
Seaman, Elizabeth C. (See Keiner and Gilman, assignors.)						
Seaman, Lois A. (See Albin and Seaman.)						
Seamans, Edward W., Grand Rapids, Mich. Brick-mold	769,771	Sept. 13	1207	260	112	290
Search, Casper F., Oakpark, assignor to Edmonds-Metzel Manufacturing Company, Chicago, Ill. Knife	751,567	Feb. 9	1452	329	108	1386
Search, Charles E., and E. Cheslha, Milwaukee, Wis., assignors, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Adjustable tool-holder for turret lathes	767,598	Aug. 16	2974	622	111	1737
Search Light Manufacturing Company. (See Estep, Blair A., assignor.)						
Searfoss, Joseph L., Providence, R. I. Dredging device	774,280	Nov. 8	1443	309 310	113	341
Searle, Joseph M., Pittsburg, Pa. Underfeed-stoker	749,301	Jan. 12	1971	409	108	461
Searle, Will Z., Petoskey, Mich. Eyeglass attachment for suspending supplemental eyeglasses	756,984	Apr. 12	1538	389	109	1684
Searles, Charles P., Columbus, Ohio. Reel	765,304	July 19	2618	547	111	603
Searles, Henry F., Hopedale, Mass., assignor to Draper Company, Portland, Me., and Hopedale, Mass. Copying-press	760,652	May 24	4105	873	110	973
Sears, Charles, assignor, by mesne assignments, to Savings & Trust Company, trustee, Cleveland, Ohio. Type-writing machine. (Reissue)	12,190	Jan. 12	2365	499	108	548
Sears, Judah H., Boston, Mass., assignor to J. H. Sears Company, Portland, Me. Machine for fleshing hides	762,949	June 21	2655	577	110	2055
Sears, Richard, Cleveland, Ohio. Adding-machine	759,478	May 10	1838	368 369	110	435
Sears, Samuel, Troy, Ohio. Pump	777,924	Dec. 20	2918	641	113	2091
Sears, Willard T., Harrisburg, Pa. Pneumatic tool	757,970	Apr. 19	3503	760	109	2127
Seary, Frank, and J. Lenderyou, Newport, England. Scintillating device for advertising purposes	770,931	Sept. 27	3440	726	112	825
Seattle Machine Works. (See Johnson, Eric, assignor.)						
Seaver, John W. (See Wellman and Seaver.)						
Seaver, John W. (See Wellman, Seaver, and Morgan.)						
Seaver, John W., and C. H. Wellman, assignors to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Transfer-car and elevator for power plants	772,183	Oct. 11	1956	432	112	1392
Seaver, John W., and G. H. Hulet, assignors to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Discharging device for dump-cars	754,899	Mar. 15	3387	733 734	109	767
Seavey, Frank H., Medford, assignor of one-half to T. R. Pierce, Wellesley, Mass. Fender or guard	771,329	Oct. 4	215	48	112	1007
Sebastian, Charles E., and H. Stoebe, New York, N. Y. Leaf-raiser for books	757,779	Apr. 19	3156	685	109	2050
Sebastian, Frank, et al. (See Milligan and Duncan, assignors.)						
Sebastian, George W., assignor of one-half to J. Leicht, Ashland, Ky. Adjustable support for telephone-receivers	775,254	Nov. 15	3447	728	113	818
Seberg, Gustave, Racine, Wis. Ore-washing machine	774,704	Nov. 8	2227	486 487	113	511
Sébillot, Amédée M. G., Paris, France. Treating copper ores	748,662	Jan. 5	207	50	108	45
Sebring, Walter A., Blissfield, Mich. Gate-latch	753,323	Mar. 1	199	45	109	46
Sebring, William L., Colorado Springs, Colo. Seal-lock	751,690	Feb. 9	1670	373 374	108	1432
Sebring, William L., Colorado Springs, Colo. Seal-padlock	751,691	Feb. 9	1672	379	108	1432
Secher, William, and L. W. Greve, Cleveland, Ohio. Impact-tool	761,414	May 21	2656	1204	110	1326
Sechler, Griggs A., and H. F. Engelking, Clarence, Iowa. Check-row corn-planter	708,081	Aug. 23	3969	838	111	1981
Sechler, Thomas A., Fort Scott, Kans. Truck-ladder	750,402	Jan. 26	3679	798	108	870
Seck, Willy, Aix-la-Chapelle, assignor to E. Bergmann, Suhl, Thuringia, Germany. Friction-gear for motor-cars	758,113	Apr. 26	3807	827	109	2211
Secor, Jerome B., assignor to Williams Typewriter Company, Derby, Conn. Tabulating device for type-writing machines	767,838	Aug. 16	3422	722	111	1894
Secor, Jerome B., assignor to Williams Typewriter Company, Derby, Conn. Tabulating device for type-writing machines	767,839	Aug. 16	3425	723	111	1895
Secord, Lewis, Fort Collins, Colo. Sprinkler and support therefor	769,278	Sept. 6	279	65	112	61
Secord, Sarah J., Graceville, Minn. Dress-form	762,354	June 14	1430	309	110	1768
Security Coin Box Company. (See Williams, John, assignor.)						
Seddon, Edward H., Brooklands, England. Pneumatic tire	774,790	Nov. 15	2459	597	113	583
Sedgwick, Alonzo, Poughkeepsie, N. Y. Automatic friction-brake	770,661	Sept. 20	2900	617	112	687
Sedgwick, Charles E., and W. H. Abbott, Cleveland, Ohio. Electrically-operated apparatus	767,599	Aug. 16	2975	622	111	1738
Sedgwick, Hiram G., Brooklyn, N. Y. Apparatus for automatically stopping railway-trains	750,310	Jan. 26	3508	760 761	108	830
Sedgwick, Hiram G., New York, N. Y. Air-valve for safety train-stops	757,571	Apr. 19	2738	598	109	1357
Sedgwick, Hiram G., New York, N. Y. Apparatus for automatically stopping railway-trains	766,774	Aug. 2	3308	277	111	1321
Sedgwick, Hiram G., New York, N. Y. Alarm apparatus for locomotives	770,662	Sept. 20	2904	615	112	689
Sedlmair, Fritz, Munich, Germany. Band-fastener	754,714	Mar. 15	3020	659	109	694
Sedneff, Constantin de, Paris, France. Electric accumulator	768,630	Aug. 30	5126	1078	111	2252
See, Alonzo B., New York, assignor to himself, and W. L. Tyler, Brooklyn, N. Y. Automatic lock for elevator-doors	759,479	May 10	1832	369	110	436
See, Annie L. (See Hornbeck, Henry, assignor.)						
See, James W., Hamilton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register	773,102	Oct. 25	3910	832 833 834	112	1867
Seegers, John H., Sharon, Pa. Curtain-pole	762,355	June 14	1431	310	110	1769
Seegmiller, Charles H., Chicago, Ill. Folding box	772,381	Oct. 18	2370	321	112	1508

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Seegmiller, Charles H., Chicago, Ill., assignor to Loose-Wiles Cracker & Candy Company, Kansas City, Mo. Carton.....	759,027	May 3	875	178	110	201
Seel, Joseph, Manchester, England. Apparatus for signaling trains.....	769,279	Sept. 6	380	66, 67	112	61
Seelye, William G., Brookline, Mass. Electrical hose signaling apparatus.....	749,633	Jan. 12	2205	466	108	514
Seelhorst, Julius Jr., Camden, N. J. Trelis for vines.....	775,683	Nov. 22	4376	924	113	1041
Seelig, Roman, Chicago, Ill. Telescope adjustment.....	763,433	June 28	3635	783	110	2291
Seelye, Byron T., Chicago, Ill. Air-check for voting-machines.....	777,150	Dec. 13	1362	301	113	1745
Seelye, Byron T., Chicago, Ill. Voting-machine.....	777,755	Dec. 20	2525	558	113	2113
Seelye, Walter K., Dubuque, Iowa. Apparatus for heating air.....	735,320	Mar. 22	4119	910	109	947
Seelye, William T., assignor of one-half to C. W. Reed, Cresco, Iowa. Draft-equalizer.....	777,151	Dec. 13	1364	301	113	1745
Seeman, John J. (See Porter, Lewis L., assignor.)						
Seemen, Erich von, E. Rühle, Rheinfelden, and O. Faller, Basel, Switzerland. Crystal-lizing apparatus.....	768,314	Aug. 23	4450	985	111	2461
Seery, Peter H., Newark, N. J. Apparatus for safe-ending tubes.....	767,665	Aug. 16	3094	647	111	1763
Seeser, Ludwig W., Raguhn, Germany. Manufacture of linoleum.....	773,995	Nov. 1	929	193	113	211
Seeser, Ludwig W., assignor to Bremer Linoleumwerke-Delmenhorst, Delmenhorst, Germany. Making linoleum.....	778,715	Dec. 27	4446	972	113	2437
Seested, Carl T., Kansas City, Mo. Building-tile.....	773,230	Oct. 25	4226	895	112	1939
Segal, Adolph. (See Imlay, William L., assignor.)						
Seger, Eberhard, Stockholm, Sweden. Centrifugal apparatus.....	760,261	May 17	3351	704	110	788
Segerstrom, Charles J., Argyle, Minn. Heating-drum.....	762,203	June 7	1117	239	110	1682
Segner, Charles B. (See Segner, Harry H. and C. B.)						
Segner, Harry H. and C. B., Hagerstown, Md. Feed-regulator for gasoline-engines.....	748,990	Jan. 5	856	184	108	199
Sehon, Robert L., Taylor, Tex. Wire-clamp.....	751,352	Feb. 2	1079	244	108	1287
Seibel, Alfred F. (See Betz and Seibel.)						
Seibel, Phillip. (See Betz and Seibel.)						
Seiberling, Alton G., et al. (See Bolte, Frank H., assignor.)						
Seiberling, Frank A., Akron, Ohio. Vehicle-wheel rim.....	765,044	July 12	2328	489	111	523
Seiberling, Frank A., and U. P. Smith, Akron, Ohio. Fabric-cutting machine.....	768,804	June 28	4334	942	110	2439
Seiberling, Frank A., and C. C. Stevens, Akron, Ohio. Machine for making outer casings for double-tube tires.....	762,561	June 14	1878	405	110	1865
Seiberling, Monroe, et al. (See Bolte, Frank H., assignor.)						
Seibert, James D., assignor of one-half to J. H. Lingle, Bellefonte, Pa. Power-hammer.....	774,791	Nov. 15	2451	529	113	583
Seibert, John W., Augusta, Kans. Animal-poke.....	759,758	May 10	2364	493	110	351
Seibert, Joseph W., Washington, Pa. Curtain-pole.....	765,753	July 26	3724	795	111	551
Seibt, Louis, and J. Q. Cook, Fort Wayne, Ind., assignors to Fort Wayne Foundry and Machine Company. Clutch.....	776,266	Nov. 29	5513	1167	113	1312
Seidel, Charles F. W., New York, N. Y. Pick for stringed instruments.....	768,241	Aug. 23	4314	907	111	2051
Seidel, Paul. (See Knietseh, Seidel, and Graul.)						
Seidel, Paul. (See Knietseh, Seidel, and Meiser.)						
Seidel, Paul. (See Vorländer, Drescher, and Seidel.)						
Seidel, Thomas C., et al. (See Fink, Andrew J., Jr., assignor.)						
Seifert, Bruno R., assignor to Chemische Fabrik von Heyden, Aktien-Gesellschaft, Radebeul, Germany. Acetyl para cresotinic acid.....	749,634	Mar. 12	2207		108	514
Seifert, Hermann O., Kings Valley, Oreg. Animal-leader.....	755,250	Jan. 22	3968	885	109	920
Seifried, Samuel J., assignor to Chicago Writing Machine Company, Chicago, Ill. Paper-feed-roll mechanism.....	763,514	June 28	3765	813	110	2318
Seigle, Adolphe, Lyon-Monplaisir, France. Artificial building material.....	776,430	Nov. 29	5321		113	1383
Seigl, Phillip, assignor to M. Kohn, Chicago, Ill. Combined cigar-cutter and machine safe.....	761,547	May 31	5882	1261	110	1376
Seim, William F. (See Brewington, Henry S., assignor.)						
Seim, William F., Baltimore, Md. Non-refillable bottle.....	771,578	Oct. 4	712	158	112	1110
Seipel, Serene A., Marietta, Ohio. Mechanical means for resetting pins of bowling-alleys.....	760,026	May 17	2899	606	110	686
Seipelt, Henriette, New York, N. Y. Culinary vessel.....	769,496	Sept. 6	708	152	112	162
Seiser, George F., assignor of three-fifths to D. S. Chilton and J. Young, Port Royal, Ky. Gate.....	771,579	Oct. 4	713	158	112	1110
Seitz, Karl F., Offerle, Kans. Pitman.....	754,506	Mar. 15	2617	568	109	608
Seith, Paul, and G. Kaphning, Appleton, Wis. Blackboard-eraser.....	754,900	Mar. 15	3333	794	109	767
Seitz, Edward, Peoria, Ill. Vapor-lamp.....	757,780	Apr. 19	3157	686	109	2031
Seitz, Frederick A., Newark, N. J. Internal-combustion or explosive engine.....	750,901	Feb. 2	234	52	108	1109
Seitz, Frederick A., Newark, N. J. Gas-engine.....	761,613	May 31	5999	1288	110	1408
Seitz, Louise H., Chicago, Ill. Undergarment.....	770,394	Sept. 20	2396	536	112	576
Seitzinger, Harry M., assignor of one-half to H. D. Deemer, Wilkesbarre, Pa. Calculator.....	774,281	Nov. 8	1445	310	113	342
Selakosky, Wilson, Leighton, Pa. Trolley.....	765,516	July 19	3243	679	111	737
Selander, Nelson W., San Francisco, Cal. Combination table and desk.....	776,355	Nov. 29	5676	1201	113	1350
Selden, Arthur R., Rochester, N. Y. Tripod.....	768,154	Aug. 23	4141	871	111	2015
Selden, Arthur R., Rochester, N. Y. Tool for handling ice.....	769,239	Sept. 6	198	47	112	44
Selden, Arthur R., Rochester, N. Y. Device for supporting incandescent mantles.....	770,826	Sept. 27	3243	683	112	781
Selden, Charles W., Richmond, Va. Show-case.....	754,507	Mar. 15	2618	568	109	608
Selden, Samuel, Denver, Colo. Impact water-wheel.....	776,098	Nov. 29	5185	1065	113	1237
Selig, Otto, New York, N. Y. Filter.....	758,390	Apr. 23	3653	995	110	2390
Selig, Otto, and C. Guntrum, New York, assignors of one-third to C. Jaeger and J. Schoettl, Brooklyn, N. Y. Filter.....	768,544	Aug. 23	4490	1032	111	2191
Seligman, David A., Providence, R. I. Pin-tongue.....	763,805	June 28	4341	942	110	2440
Selkowitz, Louis, assignor of nine-twentieths to B. Wilensky and M. Wigder, New York, N. Y. Suspender attachment.....	771,212	Sept. 27	3992	845	112	944
Sell, Frank A. (See Anderegger and Sell.)						
Sella, Carlo, Biella, assignor of one-half to U. Frova & Co., Vercelli, Italy. Ball-bearing for spindles.....	770,986	Sept. 27	3543	747	112	850
Sellers, Albert H., Indianapolis, Ind. Ticket-case.....	756,985	Apr. 12	1539	339	109	1684
Sellers, Albert H., Indianapolis, Ind. Ticket-case.....	773,103	Oct. 25	3930	894	112	1873
Selleck, S. L. (See Miles, Edmund, assignor.)						
Selleck, Theodore G., assignor to Acme Steel Company, Chicago, Ill. Furnace.....	770,025	Sept. 13	1688	355	112	399
Selleck, Theodore G., assignor to Acme Steel Company, Chicago, Ill. Treating steel.....	773,034	Oct. 25	3673	791	112	1809
Sellers, Elias H. (See Dunnett, Francis E., assignor.)						
Seliew, Ernest B. (See Potter, Johnston, and Selley.)						
Selley, Frederick A. (See Selley, William T., assignor.)						
Selley, Frederick A., Lafayette, Tenn. Weighing-scale.....	751,018	Feb. 2	434	102	108	1153
Selley, William T., Nashville, assignor of one-half to F. A. Selley, Lafayette, Tenn. Putting-tool.....	760,027	May 17	2901	607	110	687

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Sellon, Henry, Fort Bridger, Wyo. Horse-collar.	753,437	Mar. 1	412	96	109	89
Sells, David M., St. Louis, assignor of one-half to L. S. Bovard, Kansas City, Mo. Copy-holder for type-writers.	766,120	July 26	4439	951	111	1005
Selsor, Hiram, Hunnewell, Mo. Cell-case.	748,063	Jan. 5	210	50	108	46
Selwig, Johannes, Brunswick, Germany. Nitrating fibrous matter.	764,776	July 12	1800	369	111	410
Sellm, Albrecht, assignor to J. Gutmeyer, Munich, Germany. Game of cards.	764,209	July 5	620	126	111	138
Semml, Charles H., Carville, assignor of two-thirds to G. W. Whitworth, Cedar Falls, Iowa. Vehicle-coupling.	751,692	Feb. 9	1674	379	108	1433
Semmann, Hermann G., Des Moines, Iowa. Bridle-blind.	756,397	Aug. 2	508	108	111	1152
Semple, Eugene, Seattle, Wash. Pipe.	758,474	Feb. 16	3183	710	108	1783
Semple, John B., Sewickley, Pa. Fuse for projectiles.	775,861	Nov. 22	4706	996	113	1111
Semprun, Eduardo. (See Fortun and Semprun.)						
Sence, Victor. (See Sanden and Sence.)						
Sendelbach, Edward, assignor of one-half to C. Minshall, Terre Haute, Ind. Vehicle-hub. (Reissue)	12,203	Mar. 8	2388	521	109	538
Senderling, Martin L., Jersey City, N. J. Clasp	756,535	Apr. 5	676	145	109	1485
Senderling, Martin L., Jersey City, N. J. Vehicle	770,445	Sept. 30	2480	526	112	593
Seneca Camera Company. (See Case, Frank B., assignor.)						
Seneca Camera Company. (See Goddard, Joseph, assignor.)						
Seneca Falls Manufacturing Company. (See Runge, William, assignor.)						
Seney, Henry W. (See Heckert, William, assignor.)						
Seng Company. (See Duvall, William S., assignor.)						
Seng Company. (See Hausske, Anton A., assignor.)						
Seng Company. (See Seng, Wendelin P., assignor.)						
Seng, Frank J., Chicago, Ill. Hinge for sofa-beds, &c.	762,094	June 7	923	190	110	1637
Seng, Wendelin P., assignor to Seng Company, Chicago, Ill. Adjustment for Morris chairs, &c.	770,395	Sept. 20	2397	507	112	577
Sengbusch, Joseph J., Milwaukee, Wis. Inkstand. (Reissue)	12,264	Aug. 23	5007	1050	111	2209
Senge, Liborius, Crescent Springs, Ky., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Card-file.	767,357	Aug. 9	2476	518	111	1006
Senglar, Joseph S., St. Louis, Mo. Weather-strip	754,819	Mar. 15	3208	699	109	736
Sennett, Leonidas, and A. L. Moore, Russell, Ky. Breath-guard	752,114	Feb. 16	2497	556	108	1631
Sentegnan, Jules. (See Dumont and Sentegnan.)						
Seyver, August. (See Adams, Edwin L. and A. C. assignors.)						
Separable Body Bolster Company. (See Andrews, James S., assignor.)						
Sera, Emilio, and F. Stolf, New York, N. Y. Electric signaling system for railways	775,736	Nov. 22	4468	945	113	1061
Serge-Kisslow, Paul, Portland, Oreg. Umbrella-frame	769,877	Sept. 13	1409	946	112	336
Sergeant, Charles S., Brookline, and J. Lindall, Boston, Mass. Railway-car	764,902	July 12	2071	423	111	469
Sergeant, Henry C., Westfield, N. J. Drill	777,311	Dec. 13	1655	368	113	1810
Sergeant, Henry C., Westfield, N. J., assignor to Ingersoll-Sergeant Drill Company, New York, N. Y. Compressor for air or other gaseous bodies	754,901	Mar. 15	3358	734	109	767
Seruss, Eugen, assignor to Jung, Berlin, Germany. Picture-frame	749,229	Jan. 12	1392	237	108	339
Sessions, Albert L. (See Terry, Charles H., assignor.)						
Sessions, Albert L., Bristol, Conn. Roller-frame	755,055	Mar. 22	3640	799	109	847
Sessions, Albert L., Bristol, Conn. Roller-frame	755,056	Mar. 22	3641	799	109	847
Sessions Clock Company. (See Kimberly, Charles H., assignor.)						
Sessions Clock Company. (See Stephenson, Thomas B., Jr., assignor.)						
Sessions, Frank L., assignor to J. A. Jeffrey, Columbus, Ohio. Road-crossing device	751,949	Feb. 9	2182	492	108	1543
Sessions, Frank L., Columbus, Ohio, assignor to Siemens & Halske Electric Company of America. Circuit-breaker	762,204	June 7	1118	239	110	1082
Sessions, Frank L., and G. B. Norris, assignors to J. A. Jeffrey, Columbus, Ohio. Mining-machine	760,575	May 24	3951	838	110	940
Setter, Michael, assignor to American Electric Telephone Company, Chicago, Ill. Hanger for telephone-transmitters	752,184	Feb. 16	2620	581	108	1660
Setter, Michael, assignor to American Electric Telephone Company, Chicago, Ill. Grinding or polishing machine	765,105	July 12	2442	509	111	547
Setter, Michael, assignor to F. C. Burns and J. G. Ihmsen, Chicago, Ill. Thermal cut-out	757,971	Apr. 19	3506	761	109	2127
Setter, Michael, assignor to P. C. Burns and J. G. Ihmsen, Chicago, Ill. Thermal cut-out	757,972	Apr. 19	3508	761	109	2128
Settle, Hayden. (See Settle, Richard S., assignor.)						
Settle, Richard S., assignor of one-half to H. Settle, Kearney, Mo. Soldering-pliers	756,555	Dec. 6	174	40	113	1465
Settle, Roy. (See Callery and Settle.)						
Settle, Tom, and W. A. Padfield, Exeter, England. Manufacturing coal-gas	762,495	June 14	1725	371	110	1832
Settle, Louis G. L. (See Wood, John T., assignor.)						
Setzler, Louis P., Kansas City, Mo. Siphon-filling apparatus	774,792	Nov. 15	2453	529	113	583
Setzler, William H., Kansas City, Mo. Siphon-cover	776,356	Nov. 29	5678	1201	113	1350
Seuffer, Ernst. (See Leigh, Charles, assignor.)						
Severance, Adam W., Walla Walla, Wash., assignor to Holt Manufacturing Company, Stockton, Cal. Sidehill-harvester	751,111	Feb. 2	599	138	108	1188
Severance, Edward A., Antrim, N. H. Pocket-knife	749,230	Jan. 12	1392	237	108	339
Severance, Ira, Minneapolis, Minn. Rotary-gine	776,451	Nov. 29	5823	1232	113	1383
Severance, Verne C., assignor to Peoples Individual Gas Company, Chicago, Ill. Carbureter	773,682	Nov. 1	290	65	113	69
Severance, Wallace L., Freeport, Ill. Carbureter	750,311	Jan. 26	3522	761	108	834
Severance, William B., Auburn, N. H. Train-operated time-signal system for railways	763,515	June 28	3766	814	110	2318
Severin, Heinrich, Achem, Germany. Glass-blowing machine	757,356	Apr. 12	2285	499	109	1846
Severns, Crispin, Mohawk Village, Ohio. Halter and bridle	770,663	Sept. 20	2906	618	112	889
Seville, Algernon S., Memphis, Tenn. Music-scale	777,551	Dec. 13	2136	467	113	1914
Sewall, Catherine B. (See Sewall, Nicholas H. and R. H. F., assignors.)						
Sewall, Minot W., Rosene, N. J. Steam-generator	772,435	Oct. 18	2479	543	112	1533
Sewall, Nicholas H. and R. H. F.; said R. H. F. Sewall assignor of one-half to C. B. Sewall, New Orleans, La. Means for dregding	775,255	Nov. 15	3448	728	113	818
Sewall, Robert H. F. (See Sewall, Nicholas H. and R. H. F.)						
Seward, George O. (See Kugelgen and Seward.)						
Seward, George O., Holcomb, Rock, Va., assignor to Elmer & Amend, New York, N. Y. Carbon analysis	773,529	Oct. 25	4874	1028	112	2079
Seward, Russell M., Columbus, Ohio. Curtain-pin	774,993	Nov. 15	2867	612	113	678
Sewell, Benjamin F. B., Skien, Norway. Evaporating liquids	752,599	Feb. 16	3431	765	108	1889
Sewell, George W. (See Franklin, Jonathan H., assignor.)						
Sewell, Thomas L., Wilmington, Del. Column for metal-work	769,641	Sept. 6	956	207	112	218

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Sewell, William H., Belfast, Ireland. Tire for vehicles	755,711	Mar. 29	4859	1080	109	1127
Sewell, William H., Belfast, Ireland. Tire for vehicle-wheels	755,712	Mar. 29	4861	1080	109	1128
Sexauer, George. (See Streuber, Gustav A. F., assignor.)						
Sexton, Arthur E., Los Angeles, Cal. Toilet-paper holder	769,963	Sept. 13	1570	935	112	870
Sexton, Arthur E., Los Angeles, Cal. Paper-folding machine	778,462	Dec. 27	3968	868	113	2335
Sexton, Arthur E., assignor to Single-Sheet Paper Company, Los Angeles, Cal. Toilet-paper holder	756,894	Apr. 5	1173	260	109	1585
Sexton, Arthur E., assignor to Single-Sheet Paper Company, Los Angeles, Cal. Web-interlacing machine	770,508	Sept. 20	2610	553	112	623
Sexton, Earl, New York, N. Y. Stenographer's note-book and copy-holder	756,147	Mar. 29	5709	1260	109	1314
Sexton, Patrick J. (See Aregood, John W., assignor.)						
Sexton, Samuel B., Jr., Baltimore, Md. Fireproof shutter	770,827	Sept. 27	3244	684	112	781
Sexton, William A., Medford, Mass. Brush-holding stopper for paint-cans	772,882	Oct. 18	3371	521	112	1509
Seybold, Charles, Dayton, Ohio. Friction-clutch	757,336	Apr. 12	2034	443	109	1794
Seybold, Charles, Dayton, Ohio. Book-smashing machine	776,267	Nov. 29	5515	1168	113	1312
Seyl, Joseph C., and D. G. Butts, Chicago, Ill. Envelop-sealing machine	763,697	June 28	4118	898	110	2394
Seymour, Albert P., Syracuse, assignor to Pass & Seymour, Incorporated, Solvay, N. Y. Rosette	768,242	Aug. 23	4314	908	111	2051
Seymour, Benjamin H., Ocala, Fla. Cross-tie hever and veneer-mill	762,203	June 7	1123	240	110	1682
Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Band sawing machine	762,095	June 7	925	191	110	1638
Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Clamping device	762,096	June 7	926	191	110	1638
Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Multiple-spin-die boring-machine	765,601	July 19	3390	714	111	769
Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Friction-clutch	766,584	Aug. 2	802	169	111	1216
Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Band-saw	769,497	Sept. 6	709	153	112	162
Seymour, Frederick S., Manchester, Iowa. Stock-waterer	768,331	June 21	3736	784	110	2313
Seymour, James M., Jr., Newark, N. J. Heating system	755,176	Mar. 22	3854	851	109	898
Seymour, James M., and A. M. Harris, Newark, N. J., said Harris assignor to said Seymour. Leather-splitting machine	750,403	Jan. 26	3680	799	108	870
Seymour, Ralph C., South Orange, assignor to C. B. Cottrell & Sons Company, Jersey City, N. J.; Westely, R. L.; Stonington, Conn., and New York, N. Y. Folding-machine	758,704	May 3	192	40	110	46
Seymour, Rector. (See De Long and Seymour.)						
Seymour, William M., Brookpark, Minn. Land-clearing machine	758,480	Apr. 26	4523	972	109	2370
Seyster, Arthur M., Hiawatha, Kans. Rope-holding device	766,418	Apr. 5	460	95	109	1441
Shackelford, Edgar, Cambridge, Md. Boiler-tube cutter	764,636	July 12	1533	812	111	350
Shackelford, Edgar, Cambridge, Md. Boiler-tube cutter	764,637	July 12	1537	812	111	350
Shackelford, William A., Lexington, Ga. Attachment for party-line telephone systems	774,608	Nov. 8	4046	447	113	471
Shadbolt Manufacturing Company. (See Shadbolt and Wetmore, assignors.)						
Shadbolt, William O., New York, N. Y. Dumping-wagon	761,921	June 7	680	124	110	1576
Shadbolt, William O., Brooklyn, N. Y. Dumping-wagon	764,309	July 5	796	163	111	176
Shadbolt, William O., and S. J. Wetmore, assignors to Shadbolt Manufacturing Company, Brooklyn, N. Y. Motor-vehicle	758,705	May 3	197	40	110	46
Shade, George W., and P. S. Knapp, Pittsburg, Pa. Convertible bed-trunk	772,962	Oct. 25	3531	764	112	1780
Shafer, Frank, Camillus, N. Y. Calipers	758,293	Apr. 26	4138	894	109	2283
Shafer, John C., assignor of one-half to O. D. Jones, Erie, Mo. Hay-stacker	755,037	Mar. 22	3642	799	109	848
Shafer, Riley A., assignor to Flexible Shaft & Tool Co., Bellefontaine, Ohio. Flexible shaft	760,927	May 24	4675	995	110	1093
Shafer, Samuel F., Findlay, Ohio. Heating apparatus	752,002	Feb. 9	2303	515	108	1509
Shaffer Boiler & Engine Manufacturing Company. (See Shaffer, Richard M., assignor.)						
Shaffer, Charles A., Philadelphia, Pa. Self-playing musical instrument and note-sheet therefor	758,860	May 3	551	112	110	131
Shaffer, Charles A., Philadelphia, Pa. Note-sheet for self-playing musical instruments	758,861	May 3	555	113	110	132
Shaffer, Charles A., Philadelphia, Pa. Self-playing musical instrument	773,598	Nov. 1	120	25	113	33
Shaffer, Charles R., Eureka, Cal. Carpet-fastener	777,813	Dec. 20	3669	587	113	2041
Shaffer, David L., Pittsburg, Pa. Steam-bolt	757,973	Apr. 19	3509	761	109	2123
Shaffer, David L., Pittsburg, Pa. Steam-bolter furnace	770,123	Sept. 13	1853	394	112	435
Shaffer, Richard M., Baltimore, Md., assignor to Shaffer Boiler & Engine Manufacturing Company, Engine	773,599	Nov. 1	123	26	113	33
Shainline, George B. (See Earle and Shainline.)						
Shaler, David M., Stryker, Ohio. Electric-railway trolley	758,785	May 3	410	82	110	100
Shalita, Morris and P. N., New York, N. Y. Package-can	769,498	Mar. 6	713	154	112	162
Shallita, Pincus. (See Shalita, Morris and P.)						
Shallenberger, Charles S., Milwaukee, Wis., assignor of one-half to E. S. Marshall, St. Louis, Mo. Body-bolster for railway-cars	751,875	Feb. 9	2033	460	108	1511
Shallenberger, Charles S., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Fabric-turning machine	775,992	Nov. 29	4991	1054	113	1192
Shallow, Edward F., Philadelphia, Pa. Water-gate for boilers	771,100	Sept. 27	3773	795	112	899
Shambaugh, Charles E., Lafayette, Ind. Gas-engine cooler	755,399	Mar. 22	4275	944	109	983
Shambeau, William, et al. (See Linton, Ernest O., assignor.)						
Shamberger, Daniel F. (See Wood and Shamberger.)						
Shamboo, Christopher, Chicago, Ill. Refrigerator	759,028	May 3	877	178	110	201
Shanahan, John M., Worthington, Minn. Barber's turn	768,405	Aug. 23	4656	975	111	1194
Shanahan, Philip, Chicago, Ill. Suction and friction foot for ladders or the like	755,713	Mar. 29	4642	1081	109	2138
Shand, Alexander C., Bala, Pa. Splice-bar	702,003	June 7	762	155	110	1605
Shand, Alexander C., Bala, Pa. Tie-plate	704,908	July 12	2076	429	111	470
Shane, Aurelia B., Chicago, Ill. Bedstead attachment	754,615	Mar. 15	3809	613	108	1673
Shanklin, John R., Charleston, W. Va. Steam-heating system	753,324	Mar. 1	201	45	109	47
Shannon, Harry L., Findlay, Ohio. Bottle-closure	752,473	Feb. 16	3181	710	108	1738
Shannon, Hiram L. (See Kirksey, John G., assignor.)						
Shannon, John J., Montreal, Canada. Can	749,231	Jan. 12	1393	296	108	339
Shannon, John T., Conenutville, Pa. Run-support	763,640	June 28	3992	871	110	2366
Shannon, Patrick J., Athens, Pa. Carcass-hanger	769,188	Sept. 6	100	25	112	23
Shannon, Robert M., Blackfoot, Idaho. Field-lever	771,580	Oct. 4	714	158	112	111
Shannon, Woodford, Louisville, Ky. Bed-bottom	754,097	Mar. 8	1757	391	109	403
Shapiro, Jacob L. (See Geraci, Girolamo, assignor.)						
Sharkey, James W., Boston, Mass. Loom	760,973	Aug. 9	1744	366	111	1449

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Sharon Steel Hoop Co. (See Scholtz, Charles, assignor.)						
Sharon, W. J., et al. (See Ewing, Thomas H., assignor.)						
Sharood, Charles K., St. Paul, Minn. Shoe	753,745	Mar. 1	1017	231	109	218
Sharp, Alonzo, Troy, N. Y., assignor to Adams Laundry Machinery Company. Apparatus for stretching collars.	751,019	Feb. 2	436	103	108	1153
Sharp, Charles S. (See Kennedy and Sharp.)						
Sharp, Charles S., assignor to D. M. Osborne & Company, Auburn, N. Y. Mowing-machine	760,707	May 24	4232	898 899	110	1000
Sharp, Charles S., assignor to D. M. Osborne & Company, Auburn, N. Y. Disk-harrow truck	760,708	May 24	4233	899	110	1000
Sharp, Frank H., Howard, N. Y. Draft attachment for vehicles	754,902	Mar. 15	3359	734 735	109	767
Sharp, Frank P., New Iberia, La. Collar	756,293	Apr. 5	203	43	109	1388
Sharp, George H., Jonesville, Mich. Rotary cement-kiln	778,611	Dec. 27	4263	929 930	113	2394
Sharp, George P., assignor to Sharp & Smith, Chicago, Ill. Clamp for bedstead attachments.	759,560	May 10	1982	405	110	469
Sharp, Harry E., Hartford, Conn. Pencil-pocket.	755,400	Mar. 22	4262	945	109	983
Sharp, Harry E., assignor of two-thirds to G. Ulrich, Hartford, and J. O'Loughlin, New Britain, Conn. Plaster-board	757,060	Apr. 12	1691	367	109	1718
Sharp, Henry J., Columbus, Ohio. Fruit-picker.	774,793	Nov. 15	2455	530 531	113	584
Sharp, James A., assignor to International Harvester Company, Chicago, Ill. Grain-header	749,907	Jan. 19	2749	589 590 591	108	649
Sharp, James A., assignor to McCormick Harvesting Machine Company, Chicago, Ill. Grain-header	766,470	Aug. 2	653	139 140 141	111	1182
Sharp, John F. (See Whitfield, Mark M., assignor.)						
Sharp, John H., Columbus, N. Y. Corn-stubble cutter	760,326	Sept. 6	384	88	112	88
Sharp, Joseph W., Mohawk, N. Y. Trolley head and wheel	777,606	Dec. 20	2422	533	113	1991
Sharp & Smith. (See Sharp, George P., assignor.)						
Sharp, Warren M. (See Hooker and Sharp.)						
Sharp, Warren M., Binghamton, N. Y. Dental mouth-mirror	751,950	Feb. 9	2185	493	108	1544
Sharp, William E., Chicago, assignor of one-half to G. B. Robbins, Hinsdale, Ill. Brake-beam fulcrum-post	760,709	May 24	4234	899 900	110	1001
Sharp, William R., New Philadelphia, Ohio. Steam-trap	763,325	July 19	2848	596	111	633
Sharp, William R., New Philadelphia, Ohio. Meter	766,535	Aug. 2	803	170	111	1217
Sharpe, Alfred H. B., assignor of one-third to J. H. Foster, Lincoln, England. Fastening device for driving-belts	750,404	Jan. 26	3683	799	108	871
Sharpe, Joseph K., Jr. (See Schuman, James B., assignor.)						
Sharpe, Joseph K., Jr., assignor to Pneumatic Elevator and Weigher Company, Indianapolis, Ind. Centrifugal elevator	755,401	Mar. 22	4277	945	109	984
Sharpe, Joseph K., Jr., assignor to Pneumatic Elevator and Weigher Company, Indianapolis, Ind. Separating-head for centrifugal or pneumatic elevators	755,714	Mar. 29	4463	1081	109	1128
Sharples, David T., Westchester, Pa. Milking	766,845	Aug. 9	1492	312	111	1392
Sharples, David T., Westchester, Pa. Teat-cup for milking apparatus	766,846	Aug. 9	1493	312	111	1392
Sharples, David T., Westchester, Pa. Teat-cup	766,847	Aug. 9	1496	312	111	1392
Sharpless, Lydia C., Philadelphia, assignor to C. Chambers, Jr., Overbrook, Pa. Making bread	766,398	Aug. 2	509	108	111	1152
Sharpneck, William S., assignor of two-thirds to J. L. Onstott and F. C. Vehmeyer, Chicago, Ill. Roller-bearing	755,177	Mar. 22	3857	852	109	894
Sharps, Herbert E. (See Cooper and Sharps.)						
Sharps, Herbert E., assignor, by mesne assignments, to Cable Company, Chicago, Ill. Automatically-operated musical instrument. (Reissue.)	12,215	Apr. 26	4794	1081	109	2431
Sharps, Herbert E., and W. F. Cooper, assignors, by mesne assignments, to Cable Company, Chicago, Ill. Automatic spring-winding mechanism for mechanical musical-instrument devices. (Reissue.)	12,289	Nov. 22	4803	1018	113	1133
Shattuck, Freeman L., Paterson, N. J. Milk-pail holder	750,312	Jan. 26	3525	761	108	835
Shattuck, James W., Hutton, Ind. Automatic railway signal system	775,479	Nov. 22	3932	831	113	945
Shaules, Herbert A., New York, assignor of one-half to W. H. Locke, Jr., Brooklyn, N. Y. Amusement apparatus	776,807	Dec. 6	693	152	113	1579
Shaules, Herbert A., New York, assignor of one-half to W. H. Locke, Jr., Brooklyn, N. Y. Theater appliance	778,078	Dec. 20	321	707	113	2150
Shaul, Grove D. and J. H., Charlotte, Mich. Tubular auger	754,350	Mar. 8	2206	492	109	498
Shaul, James H. (See Shaul, Grove D. and J. H.)						
Shaver, Austin D., Blountville, Tenn. Log-turner	776,949	Dec. 6	980	211	113	1643
Shaver, Elmer C., New York, N. Y. Car-brake	751,112	Feb. 2	601	130	108	1189
Shaw, A. B., West Medford, Mass. Gas-burner	775,289	Nov. 15	3517	741	113	832
Shaw, Albert L., Whitecastle, assignor of three-fifths to R. H. Downman, New Orleans, La. Stave-shaping machine	753,522	Mar. 1	580	138 139	109	126
Shaw, Albert L., Whitecastle, assignor of sixty one-hundredths to R. H. Downman, New Orleans, La. Shingle-sawing machine	764,961	July 12	2180	452	111	494
Shaw, Alexander B. (See Dillon, Lybran J., assignor.)						
Shaw, Alexander B., et al. (See Dillon, Lybran J., assignor.)						
Shaw, Allan F., Pulaski, Tenn., assignor of one-eighth to C. O. Schneider, Chicago, Ill. Non-refillable bottle	776,898	Dec. 6	694	153	113	1580
Shaw, Charles E., Spokane, Wash. Combined mop and mop-wringer	768,776	Aug. 30	5416	1141	111	2315
Shaw, Charles H., Denver, Colo. Pneumatic hammer	753,493	Mar. 1	413	97	109	90
Shaw, Charles M. (See King, Dean W. Jr., assignor.)						
Shaw, Clifford, Cincinnati, Ohio. Means for cleaning well-strainers	764,684	July 12	1635	332	111	371
Shaw, Edward, London, England, assignor, by mesne assignments, to American Street-Flushing Machine Company, St. Louis, Mo. Nozzle for discharging liquids	749,232	Jan. 12	1396	266	108	340
Shaw, Edward J., Walsall, England. Adjustable pendant	774,852	Nov. 15	2650	555	113	609
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Vulcanizer-door-locking device	758,862	May 3	557	113	110	132
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Compound hydraulic vulcanizing-press	758,863	May 3	560	113	110	133
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Apparatus for preparing, handling, and vulcanizing tires or other rubber products	758,864	May 3	566	114	110	134
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Apparatus for preparing, handling, and vulcanizing tires or other rubber products	758,865	May 3	578	114 115	110	139
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Vertical vulcanizing-press	759,195	May 3	1200	244	110	271
Shaw, Edwin C., assignor to B. F. Goodrich Company of Ohio, Akron, Ohio. Horizontal vulcanizing-press	759,196	May 3	1204	245	110	273

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Shaw, Ella T., <i>et al.</i> (See Gallagher, Richard D., Sr., assignor.)						
Shaw, Frederick P., assignor to Lowell Machine Shop, Lowell, Mass. Machine for pre-paring and spinning worsted	765,713	July 26	3630	774 775 775	111	894
Shaw, Frederick P., assignor to Lowell Machine Shop, Lowell, Mass. Machine for pre-paring and spinning worsted	765,714	July 26	3637	775 776 777	111	894
Shaw, Frederick P., assignor to Lowell Machine Shop, Lowell, Mass. Machine for pre-paring and spinning worsted	765,715	July 26	3645	777 778 779	111	895
Shaw, Frederick P., assignor to Lowell Machine Shop, Lowell, Mass. Machine for pre-paring and spinning worsted	765,716	July 26	3652	779 780 780	111	896
Shaw, Frederick P., assignor to Lowell Machine Shop, Lowell, Mass. Machine for pre-paring and spinning worsted	765,717	July 26	3658	780 781 781	111	897
Shaw, Henry C., Glenshaw, Pa. Fire-extinguisher	753,007	Feb. 23	4260	949	108	200
Shaw, J. Ernest, <i>et al.</i> (See Pratt, Thomas J., assignor.)						
Shaw, John, Featherstone, near Pontefract, England. Railway wagon or truck	751,113	Feb. 2	605	140	108	1159
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Door-stop	755,058	Mar. 22	3644	800	109	848
Shaw, John W., Lawrence, Kans. Cotton-picking machine	755,059	Mar. 22	3645	800	109	849
Shaw, Millard F. (See Watkins, Frank, assignor.)						
Shaw, Nathaniel G., assignor of one-half to Geo. E. Keith Company, Brockton, Mass.						
Shaw, Nathaniel H., Boston, Mass. Time gas-lighting mechanism	755,583	Mar. 22	4588	1021	109	1050
Shaw, Samuel H., Philadelphia, Pa. Roller-wheel for form-inking rollers of printing-presses	755,060	Mar. 22	3648	801	109	849
Shaw, Sterl G., assignor to Frost Wire Fence Co., Cleveland, Ohio. Wire fence	750,710	Jan. 26	4259	924	108	990
Shaw, Sterl G., assignor to Frost Wire Fence Co., Cleveland, Ohio. Locking wires to-gether	755,256	July 19	2707	564	111	622
Shaw, Wallace F., Westfield, Mass. Window-stop	765,257	July 5	2708	564	111	622
Shaw, Wallace H., Brooklyn, N. Y. Stretcher-frame for paintings	764,310	July 5	798	163	111	178
Shaw, Warwick A., Chicago, Ill. Rail-joint	751,756	Feb. 9	1797	410	108	1457
Shaw, William, Brooklyn, N. Y. Apparatus for printing yarns	751,693	Feb. 9	1776	379	108	1433
Shaw, William, assignor to Bignall and Keeler Manufacturing Company, Edwardsville, Ill. Nipple-holder	765,326	July 19	2849	596	111	653
Shaw, William V., assignor of one-half to W. M. Holmes, Hoosick Falls, N. Y. Fork-head for hay-tedders	765,940	Mar. 29	4080	871	111	929
Shay, Frank, Newark, N. J. Combined clean-out, backwater-trap, and cellar-drain	756,062	Mar. 29	5552	1225	109	1281
Shea, David J., Marianna, Ark. Mechanical motor	774,583	Oct. 18	2775	611	112	1596
Shea, Dennis, Chicago, Ill. Electric conduit-box	764,638	July 12	1528	312	111	351
Shea, John J., Beverly, Mass. Aseptic drinking-cup	768,545	Aug. 23	4932	1052	111	212
Shea, John J., Beverly, Mass. Fiber vessel	759,029	May 3	873	179	110	902
Shea, Michael F., Newport, R. I. Optical device	772,923	Oct. 11	2116	463	112	1430
Shea, Patrick, Chicago, Ill. Linotype-machine attachment	750,711	Jan. 26	4261	925	108	990
Shea, Thomas A., assignor to G. B. Sloan, Jr., Oswego, N. Y. Semielliptic spring	758,284	Apr. 26	4140	894	109	2284
Shea, Thomas A., assignor to G. B. Sloan, Jr., Oswego, N. Y. Semielliptic spring	754,715	Mar. 15	3021	600	109	694
Shea, Thomas A., assignor to G. B. Sloan, Jr., Oswego, N. Y. Coil-spring controller	757,781	Apr. 19	3150	789	109	2051
Sheaf, Horatio, Wanstead, and H. A. Stouard, Leytonstone, England. Means for at-taching elastic ties to wheels	775,982	Nov. 22	4173	879	113	997
Sheaff, Walter N., Lynn, Mass. Receptacle for liquids	765,045	July 12	2330	483	111	523
Sheaffer, John W., Sterling, Ill. Insect-trap	761,548	May 31	5884	1261	110	1376
Sheehan, John P. (See Meuser and Arthur, assignors.)	759,030	May 3	879	179	110	202
Shear, Arthur T. (See Thomas and Shear.)						
Shearer, Archer T., Vancouver, Canada. Perambulator	758,786	May 3	411	82, 83	110	101
Shearer, Joe E., San Francisco, assignor to R. J. Davis, Ross Station, Cal. Rotary en-gine	751,694	Feb. 9	1677	381	108	1433
Sheasley, Arlington E., Kittanning, Pa. Husker and shredder	773,530	Oct. 25	4876	1028 1029	112	2080
Sheble, Horace, assignor to Hawthorne & Sheble Manufacturing Company, Philadelphia, Pa. Horn for talking-machines	759,639	May 10	2145	441	110	502
Shedd, Marcellus R., Lancaster, assignor to C. M. Gould, New York, N. Y. Automatic regulator for electric generators	761,012	May 24	4833	1026	110	1128
Shedlock, Alfred, Jersey City, N. J. Adhesive-supplying mechanism	756,900	Apr. 12	1367	305	109	1650
Shedlock, Alfred, Jersey City, N. J. Preparing wrappers	764,210	July 5	622	126	111	139
Shedlock, Alfred, Jersey City, N. J., assignor, by mesne assignments, to American To-bacco Company, New York, N. Y. Wrapping-machine	765,205	July 19	2619	547	111	603
Shedlock, Alfred, Jersey City, N. J., assignor, by mesne assignments, to International Cigar Machinery Company, New York, N. Y. Booking apparatus	777,699	Dec. 20	2424	533	113	1991
Shedlock, James J., Little Bentley, England. Manufacture of artificial fuel	774,705	Nov. 8	2232	487	113	511
Shee, Parke B. (See Shee, Parke E. and P. B.)						
Shee, Parke E., <i>et al.</i> (See Rote, Charles V., assignor.)						
Shee, Parke E., assignor to International Cream Separator Company, Lancaster, Pa. Centrifugal cream-separator	772,064	Oct. 11	1713	382	112	1341
Shee, Parke E. and P. B., assignors to Parke Manufacturing Company, Lancaster, Pa. Gripping device	765,046	July 12	2330	484	111	524
Sheehan, Edward J., assignor to San Gabriel Valley Essential Oil Company, Pasadena, Cal. Extracting oleo-resin from the peel of citrus fruits	775,502	Nov. 22	3972	-----	113	953
Sheehan, Edward J., Utica, N. Y., assignor to San Gabriel Valley Essential Oil Company, Pasadena, Cal. Oleo-resinous product from citrus fruits	775,504	Nov. 22	4091	-----	113	979
Sheehan, John P., and C. O. Johnson, Buffalo, N. Y. Car-unloading device	769,923	Sept. 13	1497	310 320	112	356
Sheehy, Robert J., New York, N. Y. Electric railway-signal	761,835	June 7	489	99	110	1549
Sheeley, Robert S., Galesburg, Ill. Railway-switch	765,718	July 26	3663	781	111	838
Sheen, Daniel R., Peoria, Ill. Pumping apparatus	771,839	Oct. 11	1224	272	112	1235
Sheets, Thomas J. and Z. T., Columbus, Ohio. Carpet-stretcher	748,664	Jan. 5	211	51	108	46
Sheets, Zachary T. (See Sheets, Thomas J. and Z. T.)						
Sheetz, William J., assignor to Federal Marking Machine Company, Washington, D. C. Inking device	769,499	Sept. 6	715	154	112	162
Sheffield, Abner B., Albany, Ga. Caster for bedsteads, &c	766,068	July 26	4339	928	111	981
Sheffield, Dora, New York, N. Y. Clothes-hanger	776,888	Dec. 6	823	177	113	1608
Sheffer, Frank S., assignor of one-half to W. S. Reynolds, Newcastle, Pa. Air-brake	764,685	Aug. 12	1626	332	111	372
Shel, Frank P., New York, N. Y. Support for hand-drills	766,976	Aug. 9	1736	366	111	1449
Shelain, Frank G., assignor of one-half to F. R. Brown, Rockford, Ill. Mechanism for transversely severing webs of knit fabrics	753,812	Mar. 1	1192	268	109	257
Shelby, Samuel L., Salem, Ky. Grist-mill	754,903	Mar. 15	3361	735	109	768

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Shelby Specialty Company. (See Packer, Willard N., assignor.)						
Shelby Steel Tube Company. (See Wikstrom and Morse, assignors.)						
Sheldon, Charles E., Fort Huron, Mich. Step-ladder.	771,840	Oct. 11	1928	272	112	1236
Sheldon, Edward N., Munden, Kans. Spring-wheel.	771,672	Oct. 4	890	201	112	1150
Sheldon, Edward P., Brooklyn, assignor to P. Hano, New York, N. Y. Numbering-machine.	756,063	Mar. 29	5553	1236	109	1282
Sheldon, Edward P., and W. B. Story, New York, N. Y.; said Story assignor to said Sheldon. Addressing-machine.	768,823	Aug. 30	5510	1160	111	2335
Sheldon, Edward P., and W. B. Story, New York, N. Y.; said Story assignor to said Sheldon. Addressing-machine.	768,824	Aug. 30	5518	1161	111	2337
Sheldon, Frederick J., assignor of one-half to W. A. Sheldon, Longwood, Wis. Drag-saw.	778,764	Dec. 27	4379	993	113	2457
Sheldon, Lainer A., assignor of one-half to F. H. Finke, Lincoln, Nebr. Railway-rail joint.	755,402	Mar. 22	4239	994	109	984
Sheldon, Lainer A., assignor of one-half to A. M. Priest, Lincoln, Nebr. Butter-printing machine.	758,706	May 3	203	41, 42	110	48
Sheldon, Mark A., Detroit, Mich. Attachment for faucets.	770,932	Sept. 27	3441	726	113	826
Sheldon, Roscoe S., West Allis, Wis. Clothes-pounder.	757,572	Apr. 19	3138	599	109	1283
Sheldon, Seth L., Ithaca, N. Y. Opening attachment for cans or vessels.	777,736	Dec. 29	3237	558	113	803
Sheldon, Steven O., and P. Butterfuss, Dewitt, Iowa. Horse-collar fastener.	758,152	Apr. 26	3876	841	109	2228
Sheldon, William A. (See Sheldon, Frederick J., assignor.)	760,492	May 24	3759	802	110	934
Shelley, Peter A., Louisville, Ky. Chimney-cowl.	778,554	Dec. 27	4147	903	113	2370
Shelley, Joseph, Valinia township, Cass county, Mich. Mechanical movement.	769,327	Sept. 6	385	89	112	83
Shell, Charles E., Fremont, Ohio. File for papers.	773,430	Nov. 22	3827	809	113	922
Shelli, Levi, Sibley, Iowa. Pipe-mold.	772,259	Oct. 11	2117	463	112	1431
Shellaberger, George H., Dekalb, Ill., assignor to Apex Manufacturing Company, Kansas City, Mo. Ore-roasting furnace.	765,997	July 26	4192	895	111	952
Shellaberger, George H., Dekalb, Ill., assignor to Apex Manufacturing Company, Kansas City, Mo. Ore-roasting furnace.	756,998	July 26	4198	897	111	953
Shellenberger, Charles J., Marietta, Ind. Ter. Device for boiling wheels.	776,268	Nov. 29	5517	1168	113	1813
Shelley, Sivert H., San Jose, Cal. Fruit-pitter.	752,029	Feb. 23	4106	914	108	2006
Shelhammer, Jacob, I. P., Heathorn, and W. A. Hill, Coyle, Okla. Ter. Drawing-board.	757,917	Aug. 16	3182	667	113	1738
Shelitto, Fred C., Carnegie, Ill. Assignor to Apex Manufacturing Company, Kansas City, Mo. Ore-roasting furnace.	771,180	Sept. 27	3367	831	112	933
Shelters, Ernest E., Lowell, Mass. Loom and web-replenishing mechanism therefor.	770,823	Sept. 27	3345	684	112	782
Shelton, Albert A., and R. A. Kirk, Salina, Kans. Threshing-machine concave.	750,902	Feb. 2	236	52	108	1110
Shelton, John, Denver, Colo. Dump-car.	754,351	Mar. 8	2308	492	109	499
Shelton, John, Denver, Colo. Car-brake mechanism.	769,327	Sept. 6	385	89	112	83
Shelton, John, St. Louis, Mo. Body-bolster.	762,206	Apr. 26	4354	935	109	2331
Shelton, John, Denver, Colo., assignor of one-half to E. P. Becker, Grand Tower, Ill. Signal system.	762,206	June 7	1125	241	110	1683
Shely, Alda M. (See Shely, William A. and A. M.)	761,013	May 24	4835	1027	110	1129
Shely, William A. and A. M., Chicago, Ill. Machine for breaking and cleaning fibrous material.	759,197	May 3	1209	245	110	274
Shely, William A. and A. M., Chicago, Ill. Machine for breaking and scutching fibrous material.	759,198	May 3	1216	246	110	276
Shely, William A. and A. M., Chicago, Ill. Feeding mechanism for machines for treating fibrous material.	759,199	May 3	1226	247	110	280
Sheneman, Jackson, Bronson, Mich. Cement-furnace.	755,947	Mar. 29	5352	1181	109	1237
Shepard, A. E. (See Scott, Jasper S., assignor.)						
Shepard, Amos. (See Coleman and Shepard.)						
Shepard, Charles H., Brooklyn, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.	749,106	Jan. 5	1113	236	108	256
Shepard, Charles H., Brooklyn, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.	770,933	Sept. 27	3442	726	112	836
Shepard, Charles H., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.	750,712	Jan. 26	4262	925	108	990
Shepard, Charles H., New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine.	755,061	Mar. 22	3650	801	109	850
Shepard, Frank E. (See Cammett and Shepard.)						
Shepard, Fred B., Gloversville, N. Y. Medallion and match-igniter.	762,849	June 14	2463	523	110	1991
Shepard, Harry H., and F. H. Fish, Bristol, R. I. Manufacturing hose.	748,798	Jan. 5	453	102	108	102
Shepard, J. W. (See Larson and Dunbar, assignors.)						
Shepard, Louis A., assignor to C. Vanderbilt, New York, N. Y. Brake-beam fulcrum.	749,107	Jan. 5	1122	237	108	259
Shepard, Louis A., assignor to C. Vanderbilt, New York, N. Y. Door-operating mechanism.	749,108	Jan. 5	1123	238	108	259
Shepard, Louis A., Brooklyn, assignor to C. Vanderbilt, New York, N. Y. Friction device.	769,841	Sept. 13	1353	289	112	325
Shepard, Marshall, and T. S. Wimpenny, Edgartown, Mass. Mooring-anchor.	759,759	May 10	2366	498	110	551
Shepard, Thomas, et al. (See Frey, Frederick W., assignor.)						
Shepard, William T., et al. (See Caldwell, Henry C., assignor.)						
Shepardson, Edward B., Greenfield, Mass. Gage.	763,211	June 21	3164	680	110	2167
Shepardson, Edward B., Greenfield, Mass. Clapboard-marker.	772,677	Oct. 18	2947	646	112	1633
Shepard, William A., Waukesha, Wis. Sled.	766,290	Aug. 2	311	63	111	1109
Shepard, William N., Philadelphia, Pa. Auxiliary connection for car-couplings.	767,358	Aug. 9	2478	518	111	1606
Shepherd, Charles, New York, N. Y. Fan.	753,641	Mar. 1	802	179	109	176
Shepherd, Christie M., Indianapolis, Ind. Car-door.	768,737	Aug. 2	1224	260	111	1313
Shepherd, Frank D., Salt Lake City, Utah. Steam-turbine.	755,063	Mar. 22	3653	802	109	851
Shepherd, Gilbert C., Brooklyn, N. Y. Ledger-index.	757,510	Apr. 19	2601	570	109	1928
Shepherd, Hugh. (See Wilson, Harry L., assignor.)						
Shepherd, Warren J., Denver, assignor of two-thirds to G. Stickney, Lyons, Colo. Illuminated timepiece holder.	755,584	Mar. 22	4590	1021	109	1050
Sheppard, Charles E. (See Gardam, Joseph W., assignor.)						
Sheppard, Herbert C., Porthcawl, assignor of one-half to F. Milburn, Cardiff, Glamorgan, Wales, England. Variable-speed and reversing gear.	748,799	Jan. 5	455	102	108	102
Sheppard, John L., Charleston, S. C. Bale-compress.	759,399	May 10	1680	341	110	401
Sheppard, John S., Essington, Pa. Shaft-reversing mechanism.	750,223	Jan. 19	3361	725	108	779
Shera, Frank D. (See Lawall, Lewis C., assignor.)						
Sherbondy, Walter, and S. H. Sturgeon, Akron, Ohio. Tire.	769,718	Sept. 13	1110	238	112	269
Sherer, Joseph P., assignor to National Building Block Company, Milwaukee, Wis. Mold for building blocks.	775,940	Nov. 29	4876	1032	113	1165

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Sheridan, John T. (See Johnson and Sheridan.)						
Sheridan, Robert E. (See Tons and Sheridan.)						
Sheridon, William, Toledo, Ohio. Foot-guard for railway-switches	773,600	Nov. 1	125	26	113	34
Sheriff, James E., New York, N. Y., and F. L. Nichols, Stamford, Conn. Ordinance	777,437	Dec. 13	1902	418 419 420	113	1864
Sherman, Arthur A. (See Chapin and Sherman.)						
Sherman, Charles T., St. Louis, Mo. Key-holder	756,064	Mar. 29	5557	1226	109	1282
Sherman, Clifton W., Bellevue, Pa. Casting plant	776,696	Dec. 6	438	102	113	1523
Sherman, George H., Detroit, Mich. Vehicle-tire	764,639	July 12	1532	313	111	351
Sherman, Henry A., Fremont, Ohio. Axle-nut	761,415	May 31	5659	1204	110	1327
Sherman, John A. and J. E., Worcester, Mass. Envelop-clasp	764,869	July 12	1992	411	111	452
Sherman, John E. (See Sherman, John A. and J. E.)						
Sherman, John J., Jr., Chicago, Ill. Frame for pictures, &c	759,561	May 10	1983	405	110	469
Sherman, Lewis P. (See Morton and Sherman.)						
Sherman, Morris, Chattanooga, Tenn. Steam-boiler	774,400	Nov. 8	1656	356	113	389
Sherman, Roger I., Lexington, Mass. Glass jar	754,168	Mar. 8	1876	418	109	430
Sherman, Thomas L., assignor to Standard Rivet Company, Boston, Mass. Apparatus for grooving or channeling straps	765,639	July 19	3465	732	111	784
Sherman, Washington. (See Anderson, Eric A., assignor.)						
Sherman, William I., Milwaukee, Wis. Smoke-consumer	768,082	Aug. 23	3990	839	111	1941
Sherrard, Joseph A., Boston, Mass. Bottle-tap. (Reissue)	12,900	Mar. 1	1238	278 279	109	266
Sherry, John W., New York Mills, N. Y., assignor to Draper Company, Hopedale, Mass. Automatically-self-threading loom-shuttle	753,214	Feb. 23	4648	1085	108	2127
Shetzer, Charles P., Marion, Ind. Engine-base clamp	758,114	Apr. 26	3808	827	109	2212
Sherwin, Frank A., <i>et al.</i> (See Cook, Henry J., assignor.)						
Sherwin, Isaac S., <i>et al.</i> (See White, Walter S., assignor.)						
Sherwin, Isaac S., assignor of one-half to F. C. Britting, Pittsburg, Pa. Window-shade holder	778,079	Dec. 20	3214	707	113	2151
Sherwin-William Company. (See Moore, Edward J., assignor.)						
Sherwood, Absalom F., Peekskill, N. Y. Safety-tire	756,536	Apr. 5	677	145	109	1485
Sherwood Brothers Company. (See McConnell, Hiram S., assignor.)						
Sherwood, Earl, Honesdale, Pa. Car-fender	757,845	Apr. 19	3211	708	109	2074
Sherwood, Earl, Honesdale, Pa. Car-fender	777,152	Dec. 13	1365	301	113	1746
Sherwood, Frank G. (See Porter, Wells H., assignor.)						
Sherwood, Jerry, Hebron, Ind. Anchor for dredging-machines	762,950	June 21	2667	578	110	2056
Sherwood, Lincoln B., Indianapolis, Ind. Adjustable level and slanting supporting-base for vessels	758,866	May 3	583	115	110	140
Sherwood, Louis C. (See Boileau, James W., assignor.)						
Sherwood Manufacturing Company. (See Dean, Cyrus S., assignor.)						
Shettle, Everett R., Spirit Lake, Iowa. Portable grain-dump	771,181	Sept. 27	3989	831 832	112	933
Shevlin, George F. (See Baker, Shevlin, and Baker.)						
Shevlin, George F. (See Elixman, Cunningham, and Shevlin.)						
Shiehl, Joseph P., Denver, Colo. Water-motor	770,324	Sept. 20	2283	479 480	112	551
Shiek, Daniel W., Chicago, Ill., assignor to A. Bybee, Milford, Utah. Mechanical movement	757,511	Apr. 19	2604	570 571	109	1928
Shields, Alexander, assignor to C. Brydges, Winnipeg, Manitoba, Canada. Sander	772,438	Oct. 18	2481	543	112	1534
Shields, James C., <i>et al.</i> (See Lewis, Albert H., assignor.)	754,716	Mar. 15	3023	660	109	694
Shields, William J., Bedford, Ala. Foot-propelled vehicle	776,357	Nov. 29	5679	1201 1202	113	1351
Shier, John, Detroit, Mich. Ore-concentrator	758,565	Apr. 26	4705	1015	109	2411
Shierston, William H., Adrian, Mich. Die for tying intersecting wires	774,009	Nov. 8	2050	448	113	472
Shiess, Webster L., South Chicago, Ill. Grain-car door	768,346	Aug. 23	4507	948	111	2094
Shifferd, Joseph F., Chicago, Ill. Gridiron	774,628	July 12	1628	333	111	372
Shifley, Isaac J., Toledo, Ohio. Eaves-trough-forming machine	759,490	May 10	1833	369 370	110	496
Shigley, Clarence M., Columbus, Ohio. Multicolor-printing press	750,405	Jan. 26	3684	800	108	871
Shigley, Cyrus C., Hart, Mich. Phonograph	773,164	Oct. 25	4088	864 865	112	1908
Shildts, David, Scio, Ohio. Farm-gate	762,951	June 21	2668	578	110	2057
Shilling, Henry F., and J. C. Dieter, Troy, Ohio. Time-recorder	748,900	Jan. 5	458	103	108	103
Shilling, John L., Chicago, Ill. Blocking for printing-faces	764,640	July 12	1535	313	111	352
Shilling, Willard S., New Concord, Ohio. Rail-joint	751,951	Feb. 9	2186	493	108	1544
Shilton, George T., and A. Schultze, Greymouth, Westland, New Zealand. Pneumatic-tire cover	758,336	Apr. 26	4259	915	109	2311
Shimer, Elmer S., Milton, Pa. Rotary cutter-head	751,952	Feb. 9	2187	493	108	1545
Shimp, Frank G., and F. C. Griffin, Patoka, Ill. Railway torpedo-placer	750,713	Jan. 26	4264	926	108	991
Shinn, Martin E., Chicago, Ill. Carpet-stretcher	769,328	Sept. 6	387	89	112	83
Shinn, Nathaniel M. (See Schlemmer and Shinn.)						
Shinn, Nathaniel M., Philadelphia, Pa., assignor to Dorman Brothers. Warp-crossing mechanism for looms	761,416	May 31	5660	1204 1205	110	1327
Shipley, Charles E. (See Pilot, William, assignor.)						
Shipley, Lewis C., New York, N. Y. Carriage-top	760,928	May 24	4676	996	110	1093
Shipman, Edward L. (See Rile, William J., assignor.)						
Shipman, Edward L., New York, N. Y. Binder	776,432	Nov. 29	5825	1232	113	1384
Shipman, John P., St. Louis, Mo. Buggy-top duster	772,836	Oct. 18	3359	711	112	1700
Shipp, Charles, assignor to B. F. Nichols, London, England. Covering for drawing-rolls for fibrous materials	761,854	June 7	491	108	110	1549
Shippy, Winfield S., Bayfield, Colo. Hay-knife	748,991	Jan. 5	858	184	108	199
Shipway, Jesse, Memphis, Tenn. Compressor	750,313	Jan. 26	3526	762	108	885
Shipway, Jesse, Memphis, Tenn. Compress	775,611	Nov. 23	4232	889 890	109	2412
Shirk, Daniel W. (See Shirk, Oliver D. and D. W.)						
Shirk, David B., Elizabethtown, Pa. Shaft-carrier or thill-tug	758,566	Apr. 26	4708	1015	109	2419
Shirk, Oliver D. and D. W., Minatare, Nebr. Push-rake	757,061	Apr. 12	1692	367 368	109	1718
Shirley, Charles. (See Skirrow and Shirley.)						
Shirley, James A. (See King, John D., assignor.)						
Shirreff, Charles J., Brockville, Canada. Food-cutter	748,665	Jan. 5	212	51	108	46
Shirreffs, John, Chicago, Ill., assignor to American Can Company, New York, N. Y. Manufacture of decorated or labeled drawn cans	767,174	Aug. 9	2151	447	111	1536
Shivel, Noah D., Iowa Falls, Iowa. Gate	761,923	June 7	482	125	110	1577

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Shively, Franklin A., Braddock, Pa. Automatic coupling for air-brakes	772,539	Oct. 18	2684	589	112	1576
Shively, Monroe, Akron, Ohio. Dry pipe valve	759,562	May 10	1984	405	110	469
Shmidheiser, Godfrey. (See Fritz and Dryden, assignors.)						
Shoals, William G., Utica, N. Y. Stove attachment	760,262	May 17	3353	705	110	788
Shobe, Abraham A., and W. Embley, Jerseyville, Ill. Electric-railway crossing	761,549	May 31	5885	{1261 1262}	110	1377
Shobe, Abraham A., and W. Embley, Jerseyville, Ill. Current-collecting device for electric-railway systems	766,399	Aug. 2	510	{108 109}	111	1153
Shobert, Frederick C., Pittsburg, Pa. Copy-holder	750,230	Jan. 19	3365	736	108	779
Shock, James W., Huntington, Ind. Fence-post	773,238	Oct. 25	4354	919	112	1968
Shockey, Willis G., Chicago, Ill. Pin-clasp	755,068	Mar. 22	3657	803	109	851
Shoemaker, Charles F., deceased; D. L. Holwick, Canton, Ohio, administrator. Spring-head-pinning machine	755,005	Mar. 22	3558	780	109	829
Shoemaker, Clinton E., Forest City, Iowa. Automatic fly-brush for screen-doors	756,420	Apr. 5	466	96	109	1442
Shoemaker, George A., assignor to Baker-Vawter Company, Chicago, Ill. Temporary binder	756,901	Apr. 12	1372	305	109	1651
Shoemaker, George A., assignor to Baker-Vawter Company, Chicago, Ill. Punching-machine	756,902	Apr. 12	1372	306	109	1651
Shoemaker, Harry. (See Woodward and Shoemaker.)						
Shoemaker, Harry, assignor to M. V. Gehring, Philadelphia, Pa. Wireless signaling system	756,720	Apr. 5	1011	224	109	1558
Shoemaker, Harry, assignor of one-half to M. V. Gehring, Philadelphia, Pa. Multiplex telegraph system	777,312	Dec. 13	1657	868	113	1810
Shoemaker, Harry, assignor to International Wireless Telegraph Company and M. V. Gehring, Philadelphia, Pa. Wireless signaling system	749,584	Jan. 12	2118	441	108	496
Shoemaker, Harry, assignor to International Wireless Telegraph Company and M. V. Gehring, Philadelphia, Pa. Wireless signaling system	756,718	Apr. 5	1009	224	109	1557
Shoemaker, Harry, assignor to International Wireless Telegraph Company and M. V. Gehring, Philadelphia, Pa. Signaling system	756,719	Apr. 5	1010	224	109	1558
Shoemaker, Harry, assignor to M. V. Gehring and Consolidated Wireless Telegraph and Telephone Company, Philadelphia, Pa. Wireless signaling system	754,904	Mar. 15	3363	735	109	768
Shoemaker, Ivan H., et al. (See Sturgis, Herbert M., assignor.)						
Shoemaker, Lockert N., Greenfield, Ohio. Convertible chair	756,419	Apr. 5	462	95, 96	109	1441
Shoemaker, Richard W., and L. H. Giddings, Pasadena, Cal. Wave-receiver	761,258	May 31	5357	1137	110	1259
Shoemaker, Richard W., and L. H. Giddings, Pasadena, Cal. Signaling	765,298	July 19	2781	580	111	638
Shoemaker, William A., Columbus, Ohio. Curtain-stretcher pin	776,034	Nov. 29	5073	1071	113	1213
Shoenberg, Milton H., San Francisco, Cal. Attenuating device	750,038	Jan. 19	3006	644	108	703
Shoeman, Eleonora, Chicago, Ill. Garment-hanger	749,455	Jan. 12	1869	388	108	439
Sholes, Frederick, Chicago, Ill. Type-writer	768,315	Aug. 23	4452	935	111	2081
Shone, Isaac, and E. Ault, Westminster, England. Means for flushing drains and sewers	763,641	June 28	3993	871	110	2366
Shook, George W., assignor to W. S. Barnett, Jacksonville, Fla. Non-refillable bottle	768,912	Aug. 30	5700	1191	111	2382
Shoop, William H., Brooklyn, N. Y. Water-cooler	764,259	July 5	704	142	111	156
Shoop, Arthur K., Manorville, Pa. Combined square and plumb-bob	773,996	Nov. 1	930	193	113	212
Shoosmith, Harry, Ormiston, Erith, England. Apparatus for discharging loose cargo from vessels	755,064	Mar. 22	3659	803	109	852
Short, Joseph B., Wilkesburg, Pa. Guard for trolleys	775,992	Nov. 29	4962	1054	113	1192
Short, Parker S., and W. S. Poling, Anderson, Ind. Magic coin carrier or mailer	753,170	Feb. 23	4558	1016	108	2107
Short, Sidney H., London, England, assignor to Westinghouse Electric & Manufacturing Company. Electric-arc-rupturing device	757,782	Apr. 19	3161	686	109	2051
Short, Sidney H., London, England, assignor to Westinghouse Electric & Manufacturing Company. Safety apparatus for use on railway cars	761,417	May 31	5662	1205	110	1328
Shorten, William J., Marianna, Ark. Fastener for shoes	758,787	Mar. 3	413	83	110	102
Shorts, Clair D., Fern, Pa. Stuffing-box	754,820	Mar. 15	3210	700	109	736
Shortt, Edward G., Carthage, N. Y., assignor to International Air Brake Company, Jersey City, N. J. Compound air-brake mechanism	756,065	Mar. 29	5558	1227	109	1282
Shortt, Edward G., Carthage, N. Y., assignor to International Air Brake Company, Jersey City, N. J. Equilibrium intercepting-valve for air-brake control	758,285	Apr. 26	4141	{894 895}	109	2284
Shortt, Edward G., Carthage, assignor to C. G. Emery, Clayton, N. Y. Means for controlling velocity and decreasing shocks and recoil in machinery	759,481	May 10	1836	370	110	437
Shortt, Edward G., Carthage, assignor to C. G. Emery, Clayton, N. Y. Brake device	759,563	May 10	1986	406	110	470
Shortt, Everett T., Norfolk, Va. Coffee-roaster	776,358	Nov. 29	5683	{1202 1203}	113	1352
Shotts, Harry P., Chicago, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Sector-shaped carton	764,154	July 5	483	95	111	105
Shotts, Harry P., Chicago, Ill., assignor to Howe and Davidson Company, East Orange, N. J. Paper tray	773,814	Nov. 1	525	{114 115}	113	122
Shotwell, Stuart B., et al. (See Bachmann, Frederick, assignor.)						
Shotwell, William B., Idlewild, Ky. Wire-stretcher	749,635	Jan. 12	2208	466	108	514
Shotwell, William N., and J. Dreistadt, Oldforge, Pa. Drill	749,585	Jan. 12	2123	442	108	498
Shoup, Saxton C., Fostoria, Ohio. Domestic boiler	754,717	Mar. 15	3024	660	109	685
Shourin, Patrick J., Springfield, Ohio. Incandescent igniter for explosive-engines	775,385	Nov. 29	3726	791	113	898
Shove, Samuel T., Excelsior, Minn. Railway signal apparatus	767,014	Aug. 9	1810	380	111	1462
Showacre, Nelson E. (See Barnes and Showacre.)						
Shreeves, Charles B., Denison, Tex. Cotton-picker	770,934	Sept. 27	3447	737	112	827
Shriber, Samuel P., St. Louis, Mo. Fur-beater	750,714	Jan. 26	4265	926	108	991
Shriver, Frank W. (See Hollopeter, John P., assignor.)						
Shropshire, William B., Pittsburg, Pa. Leveing-rod	778,080	Dec. 20	3215	707	113	2151
Shroyer, John W., Bethany, Mo. Fountain attachment for brooms	775,460	Nov. 22	3895	823	113	986
Shrum, Peter J., assignor to K. J. Hendricks, Pittsburg, Pa. Metal fabric	759,760	May 10	2366	{494 495}	110	551
Shrum, Peter J., and K. J. Hendricks, Pittsburg, Pa.; said Shrum assignor to said Hendricks. Wire article	750,903	Feb. 2	237	53	108	1110
Shryock, James W., assignor to L. E. Wade, Pueblo, Colo. Electrotherapeutic instrument	765,150	July 12	2530	529	111	565
Shubert, Charles M., West Philadelphia, Pa. Garment-fastening	750,008	Jan. 19	2949	631	108	692
Shuck, Ben F. (See Riddle and Shuck.)						
Shue, Philip H., Denver, Colo. Shaking-separator	761,259	May 31	5359	{1137 1138}	110	1259
Shue, Philip H., Denver, Colo. Expandible pulley	769,117	Aug. 30	6115	1278	111	2473
Shugg, John H., Schenectady, N. Y., assignor to General Electric Company. Machine for coating fabrics	775,684	Nov. 22	4377	924	113	1042
Shuleau, William W., Isanti, Minn. Fishing-tackle	760,208	May 17	2902	607	110	687

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Shultheiss, John M., <i>et al.</i> (See Dewey, Luman R., assignor.)						
Shultz, Albert B., H. J. Hass, and C. Thorden, assignors to E. R. Thomas Motor Company, Buffalo, N. Y. Variable-speed gearing.	754,905	Mar. 15	3864	736	109	769
Shultz, Charles A., Portland, Oreg. Bolting-sieve cleaner.	754,821	Mar. 15	3211	700	109	786
Shultz, George D., Kansas City, Mo. Exercising apparatus.	764,687	July 12	1623	393	111	372
Shumaker, Joseph, Richmond, Mo. Shelf-ladder.	771,673	Oct. 4	829	201	112	1150
Shuman, Charles, St. Louis, Mo. Feed attachment for paper-box machines.	763,943	June 28	4594	1003	110	2495
Shuman, Frank, Philadelphia, Pa. Forming concrete piles.	752,003	Feb. 9	2905	515	108	1570
Shuman, Frank, Philadelphia, Pa. Forming concrete piles.	753,008	Feb. 23	4262	949	108	2041
Shuman, Frank, Philadelphia, Pa. Removable pile for forming concrete piling.	756,935	Apr. 5	1176	291	109	1595
Shuman, Frank, Philadelphia, Pa. Preparatory pile for use in forming concrete piling.	763,212	June 21	3166	681	110	2168
Shuman, Frank, Philadelphia, Pa. Forming concrete piles.	763,213	June 21	3168	681	110	2169
Shuman, George, Lincoln, Nebr. Bedpost.	766,536	Aug. 2	805	170	111	1217
Shuman, Oliver M. (See Ireland, Louis H., assignor.)						
Shumate, Charles A., Wapakoneta, Ohio. Measure.	770,935	Sept. 27	3450	728	112	828
Shumate, S. F. (See Matter, Andrew, assignor.)						
Shumway, Charles E., Albion, Mich. Mold for concrete walls.	759,031	May 3	880	179	110	202
Shumway, Charles E., assignor of seven-sixteenths to E. M. Munger, Albion, Mich. Rotary explosive-engine.	765,047	July 12	2332	484	111	524
Shupe, Eli, assignor of two-eighths to E. B. Nourse and G. N. Prentiss, Racine, Wis. Vice.	749,233	Jan. 12	1394	290	108	
Shupe, Eli, assignor to P. O. Weberg and J. McKune, Racine, Wis. Toaster.	761,014	May 24	4836	1027	110	1129
Shupert, Clayton O. (See Young, Graf, and Shupert.)						
Shupert, Frank W., J. Wormald, and H. L. Shupert, Hillyard, Wash. Fire-brick.	761,418	May 31	5663	1205	110	1328
Shupert, Henry L. (See Shupert, Wormald, and Shupert.)						
Shurtleff, Assal M. (See Hesse, Frank K., assignor.)						
Shuster, Franklin B., New Haven, Conn. Barrel-hoop staple.	770,479	Sept. 20	2552	544	112	608
Shuster, John G., Caldwell, Kans. Railway-tie.	753,171	Feb. 23	4559	1016	108	2107
Shuster, Samuel B., New Concord, Ohio. Harness-tug.	751,953	Feb. 9	2189	494	108	1545
Shute, Edmund H., Chicago, Ill. Safety-lock for gas-fixtures.	756,066	Mar. 29	5563	1228	109	1283
Shute, Hamlin L., and H. C. Henschen, Indianapolis, Ind. Apparatus for molding concrete walls.	775,666	Nov. 22	4342	917	113	1034
Shute, Hamlin L., and H. C. Henschen, Indianapolis, Ind. Apparatus for molding concrete walls.	775,685	Nov. 22	4381	924	113	1043
Shyne, David J., Frankfort, Kans. Equalizer or tripletee.	758,788	May 3	415	83	110	102
Sibbald, Charles J. (See Barratt and Sibbald.)						
Sibbald, Charles J. (See Hurley and Sibbald.)						
Sibbald, Charles J., Troy, N. Y., assignor to C. Cooper, Bennington, Vt. Knitted fabric.	765,941	July 26	4081	871	111	929
Sibbald, Emmy, New York, N. Y. Collar-fastening device.	774,339	Nov. 8	1555	333	113	367
Sibbald, George, New York, N. Y. Device for removing snow and ice from pavements.	769,189	Sept. 6	101	25	112	24
Sibert, Fred W., <i>et al.</i> (See Masters, Arthur M., assignor.)						
Sibley, Clarence C., Perth Amboy, N. J., and G. A. Lutz, New York, N. Y. Conduit for electric wires.	776,556	Dec. 6	175	40	113	1465
Sibley, Clarence C., Perth Amboy, N. J., and G. A. Lutz, New York, N. Y. Incandescent-lamp socket.	778,280	Dec. 27	3607	788	113	2254
Sibley, Clarence C., Perth Amboy, N. J., and G. A. Lutz, New York, N. Y. Incandescent-lamp socket.	778,281	Dec. 27	3610	788	113	2255
Sibley, Edward L., Bennington, Vt. Paper-clip.	752,185	Feb. 16	2622	581	108	1660
Sibley, Edward L., Bennington, Vt. Apparatus for inserting paper-fasteners.	752,186	Feb. 16	2623	582	108	1660
Sibley, Edward L., Bennington, Vt. Paper-fastener.	759,400	May 10	1684	341	110	401
Sibley, James T., Jersey City, N. J., assignor to J. O'Connor, New York, N. Y. Tracker-bar for musical instruments.	748,801	Jan. 5	459	103	108	103
Sibole, Albert, Middleway, W. Va. Jardiniere.	767,175	Aug. 9	2152	447	111	1536
Sickles, Frank D., Toledo, Ohio. Nail-clipper.	768,083	Aug. 23	3991	839	111	1981
Sickles, Franklin D., assignor, by mesne assignments, to C. H. Keller, Toledo, Ohio. Carpet-laying tool.	773,428	Oct. 25	4639	979	112	2028
Sicklesteel, Frank A., and C. W. Ballard, Northbranch, Mich. Cement post.	758,707	May 3	205	42	110	48
Side, Edgar, Philadelphia, Pa. Steam-generator.	761,719	June 7	196	37	110	1482
Sideling, William F., Philadelphia, Pa. Photographic-plate holder.	769,500	Sept. 6	716	155	112	163
Sidway, Henry T., Chicago, Ill. Mixing-spoon.	769,412	Sept. 6	544	118	112	123
Siebel, John E., Chicago, Ill. Apparatus for sterilizing, heating, and boiling liquids.	753,924	Mar. 8	1425	320	109	328
Siebelst, Arthur M., Philadelphia, Pa. Toy.	758,567	Apr. 26	4709	1016	109	2412
Siebenhaar, Louis E. (See Siebenhaar, Otto W. and L. E.)						
Siebenhaar, Otto W. and L. E., Rosendale, Wis. Fertilizer-distributor.	749,334	Jan. 12	1605	340	108	386
Sieber & Trussell Mfg. Company. (See Trussell, Emory A., assignor.)						
Siebert, Alfred, St. Louis, Mo. Liquid-cooling apparatus.	770,190	Sept. 13	1977	490	112	461
Siebert, Frederick, assignor to American Motor and Pulley Co., St. Louis, Mo. Bushing.	751,737	Feb. 9	1798	410	108	1457
Siebert, Otto. (See Herzberg and Siebert.)						
Sieberth, David R. H., Christiania, Norway. Multicolor and text printing press.	755,948	Mar. 29	5356	1182	109	1238
Siebler, John M., Dayton, Ohio. Ticket-issuing machine.	758,023	Apr. 19	3615	783	109	2151
Siegel, Andrew W. (See Russell and Siegel.)						
Siegel, Richard G., assignor of one-half to W. R. Butterfield, Somerville, Mass. Clamping device.	756,067	Mar. 29	5564	1228	109	1283
Siegel, Samuel L. (See Hudson, Feinberg, and Siegel.)						
Siegel, Solomon H., <i>et al.</i> (See Alexander, Jesse, assignor.)						
Siegert, Hermann, Glencoe, Minn. Hay-loader.	777,925	Dec. 20	2919	641	113	2091
Siegfried, Robert, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric railway-bell.	753,925	Mar. 8	1427	321	109	329
Siegfried, Robert, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush-holder for electrical machines.	765,307	July 19	2625	548	111	605
Siegfried, Robert, Pittsburgh, and C. B. Mills, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Brush-holder.	765,306	July 19	2623	547	111	604
Siegrist, Adolf, New York, N. Y. Braiding-machine.	772,479	Oct. 18	3573	566	112	1532
Sielaff, Max, Berlin, Germany. Coin-controlled apparatus.	759,314	Jan. 26	3528	762	108	896
Sielaff, Max, Berlin, Germany. Mechanism for dispensing stamps, tickets, or the like.	751,568	Feb. 9	1453	330	108	1387
Sielaff, Max, Berlin, Germany. Vending-machine.	773,815	Nov. 1	527	115	113	122
Sielaff, Max, Berlin, Germany. Mechanism for dispensing stamps, tickets, &c.	773,816	Nov. 1	528	115	113	122
Siemens, Frederick, Dresden, Germany. Regenerative gas-furnace.	760,263	May 17	3854	705	110	769
Siemens, Frederick, Dresden, Germany. Regenerative gas reheating-furnace.	767,840	Aug. 16	3429	723	111	1836

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Siemens Gebrüder & Co. (See Viertel, Hermann, assignor.)						
Siemens & Halske Electric Company of America. (See Feuerlein, Otto, assignor.)						
Siemens & Halske Electric Company of America. (See Hundhausen, Rudolf, assignor.)						
Siemens & Halske Electric Company of America. (See Reichel, Emil B. W., assignor.)						
Siemens & Halske Electric Company of America. (See Sessions, Frank L., assignor.)						
Siemens, Hermann J. M., Hamburg-Horn, Germany. Water-motor	772,383	Oct. 18	2372	521 522	112	1509
Siems, Johann F., Columbus, Nebr. Mechanical movement	758,939	May 3	720	144	110	169
Siems, Johann F., Columbus, Nebr. Thermostatic controller	760,653	May 24	4108	873	110	974
Siersdorfer, Louis, assignor of one-half to G. Irving, Chicago, Ill. Key-ring	765,754	July 26	5725	735	111	851
Siersdorfer, Louis M., Carrollton, Ky. Display case or rack	772,837	Oct. 18	3230	712	112	1701
Sieverling, Fred A., Kansas City, Mo. Puncture-plug for pneumatic tires	776,697	Dec. 6	461	192	113	1529
Sievers, Henry A. (See Vierzeg, Henry, assignor.)						
Sievers, William H., Galena, Ill. Car-fender	776,969	Dec. 6	524	177	113	1608
Sievvert, Hermann A., Fort Walla Walla, Wash. Thermometer-case	759,761	May 10	2938	494	110	552
Sievvert, Hermann A., Walla Walla, Wash. Bridle-bit	773,429	Oct. 25	460	979	112	2028
Sievvert, Paul T., Dresden, Germany. Manufacturing hollow glass articles	771,581	Oct. 4	715	158	112	1111
Siggers, Edward G., et al. (See Griffin, Thomas J., assignor.)						
Silberman, Emanuel M., Philadelphia, Pa. Support for sanitary cloths, garments, &c.	776,870	Dec. 6	825	178	113	1608
Silbermann, Albert. (See Cerebotani, Luigi, assignor.)						
Silberstein, Emil, et al. (See Kremer, Michael J., assignor.)						
Silberstein, Louis, et al. (See Kremer, Michael J., assignor.)						
Silberstein, Martin, et al. (See Kremer, Michael J., assignor.)						
Silberstein, Max, et al. (See Kremer, Michael J., assignor.)						
Sillett, Loudon, Mount Vernon, Ohio. Fryer-iron	768,546	Aug. 23	4933	1063	111	2192
Silk, Reeve A. (See Bohannon, William J. H., assignor.)						
Sill, C. C. (See Riggs, Gladstone, assignor.)						
Sill, Edward L., Woodward, Okla. Ter. Pneumatic horse-collar	753,009	Feb. 23	4263	950	108	2041
Sill, James C. (See Howell, Edward, assignor.)						
Sillocks, Warren S., assignor to Central Company, New York, N. Y. Fabric	754,098	Mar. 8	1758	391	109	403
Silley, John H., London, England. Door for furnaces, &c	762,850	June 14	2464	534	110	1991
Sills, Burton H., Belleville, Canada. Bicycle handle-bar	771,841	Oct. 11	1227	273	112	1236
Silor, Frederick E., Muse, Va. Cutter-bar	771,101	Sept. 27	3777	796	112	960
Silsbee, Joseph L., Chicago, Ill. Railway road-bed	761,185	May 31	3283	1196	110	1229
Silveto, Tony, Victoria, Canada. Electric block-signal system	760,159	May 17	3195	864	110	745
Silveto, Tony, Victoria, Canada. Block-signal system	777,353	Dec. 13	1749	389	113	1899
Silver City Plate Company. (See Martin, William L., assignor.)						
Silver, M. E. (See Schultz, Galen T., assignor.)						
Silver Manufacturing Company. (See Gibbons, Edward F., assignor.)						
Silver, Silas C., London, Ohio. Fence-post	752,930	Feb. 23	4107	914	108	2006
Silverberg, Jacob, Pittsburg, Pa. Heater	756,721	Apr. 5	1614	224	109	1559
Silverman, Joseph. (See Königstein, Gabor, assignor.)						
Silverman, Louis. (See Dawson and Silverman.)						
Silvis, Frank A., and F. J. Backer, Millvale borough, Pa. Hose-coupling	767,966	Aug. 16	3679	776	111	1890
Silvis, Harry J., assignor of one-half to Z. T. Silvis, Greensburg, Pa. Separator	754,394	Mar. 8	2249	513	109	529
Silvis, Z. T. (See Silvis, Harry J., assignor.)						
Sim, John, Montrose, Scotland. Fireplace-heater	770,396	Sept. 20	2490	507	112	577
Simcox, Thomas W., assignor to McWilliam-Richards Company, Noblesville, Ind. Leg- fastening for bath-tubs, &c	757,974	Apr. 19	3511	761	109	2129
Simceck, Vaclav, Praha, Tex. Car-coupling	754,352	Mar. 8	2210	493	109	499
Simeon, Charles J., T. S. B. Parnall, and W. E. Hopkins, Birmingham, England. Weigh- ing-machine	769,413	Sept. 6	545	1178	112	123
Simering, John C., Baltimore, Md. Shoe-polishing chair	751,114	Feb. 2	607	140	108	1189
Siminoff, Aaron, Los Angeles, Cal. Wearing-apparel	758,940	May 3	724	144	110	169
Simkins, Walter, London, England. Transmission-gear for automobiles	775,941	Nov. 29	4877	1062	113	1165
Simms, William, Portico, near Prescott, England. Life-guard for tram-cars or other electrically-propelled vehicles	772,838	Oct. 18	3262	712	112	1701
Simmonds, James E., Camppoint, Ill. Corn-shocking mechanism	759,401	May 10	1684	341 342 343	110	492
Simmonds, Percy V., assignor of one-half to J. O'Connor, Toronto, Canada. Gravity- lock	751,054	Feb. 9	2190	494	108	1545
Simmons, Alonzo J., assignor to Idapo Manufacturing Company, Indianapolis, Ind. Sepa- rator for gas and water	761,109	May 31	5072	1076	110	1197
Simmons, Charles B., Bristol, Conn. Draw-knife	759,098	Mar. 29	5566	1228	109	1284
Simmons, Frank F. (See Whitney, Newton, and Simmons.)						
Simmons, George V., Yellow River, Ga. Plow	755,178	Mar. 22	3858	852	109	874
Simmons, Gideon B., and J. R. Whorton, Dallas, Tex. Corn or cotton planter	756,732	Apr. 5	1016	225	109	1559
Simmons, Guy, Columbus, Ohio. Split pulley	769,414	Sept. 6	548	119	112	124
Simmons, Jesse W., Oak, Tex. Meat-cutter	752,264	Feb. 16	2767	618	108	1624
Simmons, John M., Thomasville, Ga. Truss	767,718	Aug. 16	3182	697	111	1783
Simmons, Le Roy J., Albany, N. Y. Seal for bags, &c	754,099	Mar. 8	1759	391	109	493
Simmons Manufacturing Company. (See Grose, William C., assignor.)						
Simmons Manufacturing Company. (See Hunt, Ozzello R., assignor.)						
Simmons, Samuel T., and W. T. Moore, Columbus, Ohio. Reversible transmitter	754,822	Mar. 15	3212	700	109	736
Simms, James C., and G. H. Huston, Cincinnati, Ohio; said Simms assignor to said Huston. Gas-burner	761,924	June 7	626	126	110	1578
Simms, John T., Ramsey, Ala. Plow	765,106	July 12	2444	510 509	111	548
Simms, Robert N., et al. (See Blount, Lewis, assignor.)						
Simms, Rudolph. (See Schubert, Bernhard F., assignor.)						
Simms, Rudolph, assignor of one-half to B. F. Schubert, Washington, D. C. Smoke- consuming means	749,546	Jan. 12	2125	442	108	498
Simms, William, Columbia, S. C., assignor to Draper Company, Hopedale, Mass. Shut- tle-check for looms	760,929	May 24	4677	906	110	1694
Simon, Albert and A. Cherbourg, France. Rotary mixing-mill	777,757	Dec. 20	2529	559	113	2014
Simon, Auguste. (See Simon, Albert and A.)						
Simon, Ernst, Vienna, Austria-Hungary. Mold-press for making cigarette or cigar hold- ers or the like	750,496	Jan. 26	2687	800	108	572
Simon, Gottlieb H., Kiel, Wis. Milk-vat	757,569	Apr. 19	2781	597	109	1596
Simon, Joseph. (See Alexander, William J., assignor.)						
Simon, Lewis H., Elkins, W. Va. Self-setting and ever-set animal-trap	758,481	Apr. 29	4524	972	109	2370
Simon, R. H. (See Reinhardt, Otto, assignor.)						
Simon, Thomas, San Francisco, Cal. Hydrocarbon-burner	768,155	Aug. 23	4145	872	111	2915

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Simon, William F., West Hoboken, N. J. Bracelet or other ornament.	749,587	Jan. 12	2127	443	108	498
Simonds, Charles G., Schenectady, N. Y., assignor to General Electric Company. Electric transmission mechanism.	776,557	Dec. 6	177	40	113	1465
Simonds, Frank A., Grand Rapids, Mich. Steam-separator.	758,537	Apr. 5	678	146	109	1486
Simonds, Herbert E., Dayton, Ohio. Bed-plate for paper and rag engines.	771,582	Oct. 4	716	159	112	1111
Simonds Mfg. Company. (See Remington, Alfred M., assignor.)						
Simons, Edward L., Alden, Pa. Fuse-link.	768,487	Aug. 23	4811	1007	111	2165
Simons, Edward L., Alden, Pa. Safety-fuse.	772,967	Oct. 25	3533	765	112	1780
Simons, Ernest D. (See Hyde and Simons.)						
Simons, Ernest D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap-fastener.	757,237	Apr. 12	2036	444	109	1794
Simons, Frank, Buffalo, N. Y. Luggage-carrier for vehicles.	752,004	Feb. 9	2306	516	108	1570
Simons, Ludwig. (See Lots and Simons.)						
Simons, William B., Charleston, S. C. Apparatus for treating pyrites.	778,149	Dec. 20	3346	734	113	2181
Simonson, Hans M., Providence, R. I. Drop-hammer.	761,923	June 7	623	125	110	1577
Simonson, Sever T., et al. (See Benbow, Thomas C., assignor.)						
Simonton, Glenn E., Vanwert, Ohio. Combination stock, coal, and coke car.	761,550	May 31	5887	1262	110	1377
Simonton, Glenn E., Vanwert, Ohio. Coal, ore, or ballast car.	776,149	Nov. 29	5284	1117 (1118)	113	1260
Simonton, Jackson. (See Bonine, Elsie J., assignor.)						
Simpkin, William, Orange, N. J. Furnace.	777,814	Dec. 20	2670	587	113	2042
Simplex Binder Co. (See Nourse, Frank P., assignor.)						
Simplex Electric Heating Company. (See Ayer, James I., assignor.)						
Simplex Manufacturing Company. (See Casler and Pross, assignors.)						
Simplex Paper Payer Company. (See Brown, Theodore P., assignor.)						
Simplex Railway Appliance Company. (See Bauer, Carl E., assignor.)						
Simplex Railway Appliance Company. (See Lamont, Robert P., assignor.)						
Simplex Time Recorder Company. (See Hawley, Charles T., assignor.)						
Simpson, Alfred J., Jr., assignor of one-third to B. Waters, Baltimore, Md. Incandescent gas-burner.	760,980	May 24	4679	996	110	1094
Simpson, Andrew, Linnithgow, Scotland. Fitting for vessels in which flower-bulbs are grown.	754,248	Mar. 8	2093	452 453 526 527 528	109	463
Simpson, Arthur P., Sacramento, assignor of one-half to A. H. Castle, San Francisco, Cal. Adding and recording machine.	770,446	Sept. 20	2482	527 (528)	112	593
Simpson, Beatrice, assignor to R. A. Bernstein, New York, N. Y. Machine for moistening, laying, and binding gummed paper.	776,950	Dec. 6	982	211	113	1643
Simpson, Bryant, Westpoint, Ga., assignor of one-half to J. Riley and M. C. Bailey, Roanoke, Ala. Tailor's measure.	761,551	May 31	5893	1263 527	110	1378
Simpson, Charles L., assignor of one-half to J. Simpson & Company, Limited, London, England. Steam superheating apparatus.	759,832	May 10	2524	528	110	585
Simpson & Company, James. (See Simpson, Charles L., assignor.)						
Simpson, David and J. J., Leeds, England. Folding perambulator.	766,537	Aug. 2	805	107	111	1217
Simpson, Harry, Edgely, Pa. Greenhouse-frame.	749,972	Jan. 19	2876	615	108	676
Simpson, Harvey, Burlington, Wis. Apparatus for demonstrating the efficiency of lightning-rods.	763,516	June 23	3769	814	110	2318
Simpson, Herbert A., Sycamore, Kans. Animal-poke.	760,493	May 24	3790	802	110	904
Simpson, Horatio S., assignor of one-half to W. B. Wood, Mankato, Kans. Reversible glove.	756,986	Apr. 12	1540	339	109	1685
Simpson, Horatio S., assignor of one-half to W. and O. P. Simpson, Mankato, Kans. Windmill.	769,190	Sept. 6	102	25	112	24
Simpson, James, Veederburg, Ind. Corner-iron for siding-joints.	769,501	Sept. 6	717	155	112	163
Simpson, James, Crookston, Minn. Wagon-reach.	775,316	Nov. 22	3579	756	113	865
Simpson, James E., Frederic, Minn. Hose-coupling.	760,710	May 24	4235	900	110	1001
Simpson, John J. (See Simpson, David and J. J.)						
Simpson, John T., London, Tenn. Head-block shifter for sawmills.	758,337	Apr. 26	4260	915	109	2311
Simpson, John W. (See Spencer and Simpson.)						
Simpson, Leslie W., Betteravia, Cal. Wire twister and splicer.	756,148	Mar. 29	5711	1260	109	1314
Simpson, O. P., et al. (See Simpson, Horatio S., assignor.)						
Simpson, R. C. (See Wolfe, Isaac V., assignor.)						
Simpson, Richard C., assignor of one-half to W. C. Stewart, Johnetta, Pa. Miner's safety-lamp.	775,782	Nov. 22	4555	966	113	1080
Simpson, Solomon L. (See Girtanner and Simpson.)						
Simpson, Sydney W., Camperdown, Great Yarmouth, England. Feed-water heater.	757,846	Apr. 19	3273	709	109	2075
Simpson, Thomas H. (See Hitchcock, Dwight A., assignor.)						
Simpson, Thomas H. (See Thornburgh, William, assignor.)						
Simpson, Thomas H., assignor to Monarch Coupler Company, Limited, Detroit, Mich. Cheek piece or plate for holding the draft-rigging to the under sides of cars.	750,321	May 10	1519	305	110	366
Simpson, Thomas H., and E. L. Nelson, Detroit, Mich.; said Nelson assignor to said Simpson, trustee. Mechanism for attaching end plates to arbors.	750,231	Jan. 19	3368	727	108	781
Simpson, William D., Columbia, S. C. Device for the opening or shifting of track-switches.	754,169	Mar. 8	1878	418 419	109	431
Simpson, William D., Columbia, S. C. Automatic switch.	767,176	Aug. 9	2153	447 448	111	1536
Simpson, William H., Peoria, Ill. Smokeless gunpowder and making same.	765,999	July 26	4201	111	954	
Simpson, William P. (See Anthony, Wendell P., assignor.)						
Simpson, William P. (See Foster, Charles E., assignor.)						
Simpson, William S., London, England. Motor-vehicle.	770,936	Sept. 27	3450	728 729	112	838
Simpson, Willie, et al. (See Simpson, Horatio S., assignor.)						
Sims, John R., assignor of one-half to W. C. Stafford, Barnesville, Ga. Pendulum-adjuster for clocks.	768,913	Aug. 30	5702	1199	111	2382
Sinclair, Charles A. (See Aikus, Sinclair, and Krigbaum.)						
Sinclair, Duncan S., Warton, Canada. Shaft-coupling.	753,439	Mar. 1	416	97	109	90
Sinclair, Harry R., Worcester, Mass. Pipe-wrench.	764,641	July 12	1536	313	111	352
Sinclair, James, Chicago, Ill. Artificial-stone-molding machine.	748,666	Jan. 5	214	51	108	46
Sinclair, Lewis G., et al. (See Snedeker, Abraham L., assignor.)						
Sinclair, Walter A., Springfield township, Kalkaska county, Mich. Device for automatically closing the orifices in fish-basket covers.	752,000	Feb. 16	3433	766	108	1839
Sinclair, William E. (See Haller and Sinclair.)						
Sindingchristensen, Frederick, Brooklyn, N. Y., assignor of one-half to F. F. Storm, Maywood, N. J. Electric-arc lamp.	752,005	Feb. 9	2808	516	108	1570
Sindingchristensen, Frederick, New York, N. Y. Electric-arc lamp.	769,842	Sept. 13	1356	290	112	326
Sindingchristensen, Frederick, assignor to Commercial Construction Company, New York, N. Y., and W. L. Locke, Jr. Electric-arc lamp.	757,847	Apr. 19	3274	709	109	2075

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Singer, Frank K., Wheeling, W. Va. Electric blanket.....	751,353	Feb. 2	1080	244	108	1287
Singer Manufacturing Company. (See Allen, Edward B., assignor.)						
Singer Manufacturing Company. (See Bingham, George W., assignor.)						
Singer Manufacturing Company. (See Sullivan, John J., assignor.)						
Single-Sheet Paper Company <i>et al.</i> (See Casterline, Edwin D., assignor.) (Reissue.)						
Single-Sheet Paper Company. (See Sexton, Arthur E., assignor.)						
Singleton, John C., Evanston, Ill. Machine for winding brooms.....	770,782	Sept. 27	3135	665	112	756
Singley, B. L. (See Dolph, Luther A., assignor.)						
Singley, B. L. (See Pappenhagen, Charles L., assignor.)						
Singley, Laiseur N., Pittsburg, Pa. Interchange-of-trade-coupon system.....	774,538	Nov. 8	1917	416	113	443
Sinks, Frank W., Detroit, Mich. Blank-book.....	756,421	Apr. 5	466	96	109	1442
Sinnott, James, Chatham, Ill. Fountain-pen.....	776,951	Dec. 6	983	212	113	1644
Sinsheimer, Amelia H., New York, N. Y. Garment-hanger.....	777,354	Dec. 13	1753	389	113	1830
Sintz, Clark, Grand Rapids, Mich. Power-transmission mechanism.....	773,430	Oct. 25	4642	980	112	2028
Sintz, Clark, Grand Rapids, Mich., assignor to F. J. Ball, Brooklyn, N. Y. Power-trans-						
mitting gear.....	732,867	Feb. 23	3954	886	108	1971
Sipe, William H., Frankford, Pa. Drum-holder.....	755,403	Mar. 22	4280	946	109	985
Sipe, William H., and J. Grabowski, Frankford, Pa. Channel-cutter.....	769,191	Sept. 6	103	26	112	24
Siple, Lynn W., Cherokee, Iowa. Wrench.....	775,783	Nov. 22	4557	967	113	1080
Sipler, Gustave, Minneapolis, Minn. Steam logging-engine.....	776,800	Dec. 6	696	154	113	1550
Sipp, Grant, Paterson, N. J. Quilling-machine.....	759,640	May 10	2146	141	110	502
Sirois, Euchariste, Denver, Colo. Belt-fastener.....	771,279	Oct. 4	115	36	112	986
Sirois, Euchariste, Denver, Colo. Extension-step for railway-cars.....	772,830	Oct. 18	3264	712	112	1702
Sisk, Edward J., New Haven, Conn. Nut-lock.....	770,325	Sept. 20	2287	480	112	552
Sisson, Albert H. (See Paulson, Niel, assignor.)						
Sitton, J. Jefferson, Western Saragosa, Ill. Pen or bean thresher.....	775,942	Nov. 29	4570	1033	113	1166
Sittman, Gustav, and V. H. Pitt, Brooklyn, N. Y. Screw-machine.....	743,667	Jan. 5	216	52	108	47
Sitts, Jacob B. (See Briggs and Sitts.)						
Sixbey, Herman, Mayville, N. Y. Account-book.....	758,220	Apr. 26	4000	868	109	2254
Sizemore, Thomas A., Greenville, S. C. Machine for making bands for spinning and						
twisting machines.....	778,150	Dec. 20	3347	734	113	2181
				735		
				42		
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Sjoberg, Albert, Omaha, Nebr., assignor, by mesne assignments, to U. S. Standard Vot-						
ing Machine Co., Rochester, N. Y. Voting-machine.....	758,708	May 3	206	46	110	49
				47		
				48		
				49		
				50		
Sjoberg, John E., Pittsburg, Pa. Snatch-block.....	776,558	Dec. 6	178	41	113	1466
Sjoberg, Magnus, McKeesport, assignor to National Tube Company, Pittsburg, Pa.						
Hydraulic valve.....	767,600	Aug. 16	2978	623	111	1738
Sjolander, Eric O., Deepwater, Tex. Bench-plane.....	749,827	Jan. 19	2605	1555	108	618
Skahen, Patrick D., Syracuse, N. Y. Burial-case.....	766,000	July 26	4202	897	111	954
Skal, George von. (See Markovits, Emmerich, assignor.)						
Skaten, Anton F., Warren, Minn. Coat.....	778,804	Dec. 27	4614	1007	113	2473
Skellenger, Allen, Whiting, Ind. Gate attachment.....	753,172	Feb. 23	4559	1016	108	2108
Skelly, Patrick, Coal City, Ill. Ditching-plow.....	764,360	July 5	705	142	111	156
Skelton, Frederick, Martins Ferry, Ohio. Making shovels.....	757,783	Apr. 19	3162	686	109	2052
Skelton, Joseph, West Melbourne, Victoria, Australia. Attachment for bolt heading or						
upsetting machines.....	772,748	Oct. 18	3110	677	112	1667
				678		
Skerman, William, Brisbane, Queensland, Australia. Automatic railway-car or wagon						
coupling and locker.....	764,503	July 5	1221	251	111	267
Skidmore, Charles, Homer, Nebr. Wagon-scale.....	767,841	Aug. 16	3430	725	111	1836
Skidmore, Charles, Homer, Nebr. Weighing mechanism for vehicles or other devices..						
	777,440	Dec. 13	1910	421	113	1865
				422		
Skiff, Charles W., Westfield, and S. A. Grant, assignors to United States Music Machine						
Company, Springfield, Mass. Phonographic apparatus.....	754,508	Mar. 15	2620	568	109	609
				569		
Skilling, Edmund G. (See Swan, Skillings, and Finnegan.)						
Skilton, John W., Daytona, Fla. Hinge.....	757,784	Apr. 19	3163	687	109	2052
Skinner, Earle G., Erie, Pa. Garment-fastening.....	775,094	Nov. 15	3069	652	113	725
Skinner, George, and F. Hardman, Bolton, England. Thread-guide for spinning-frames						
Skinner, John H., Angus, N. Mex. Ter Hay-press.....	770,123	Sept. 13	1855	394	112	435
Skinner, Sidney, Ottawa, Ill. Shade-fixture.....	778,104	Oct. 25	3931	854	112	1873
Skinner, Ternay R., Dubois, Pa. Dividers.....	773,105	Oct. 25	3932	835	112	1874
Skinner, Ternay R., Dubois, Pa. Dividers.....	754,906	Mar. 15	3369	736	109	770
Skinner, Ternay R., Dubois, Pa. Dividers.....	761,855	June 7	492	99	110	1549
Skipton, Franklin. (See Peterson, Walferd C., assignor.)						
Skirrow, John F., East Orange, N. J. Spring-jack for telegraph-switchboards.....	757,785	Apr. 19	3164	687	109	2052
Skirrow, John F., East Orange, N. J. Telegraph-sounder.....	760,029	May 17	2903	607	110	687
Skirrow, John F., East Orange, N. J., and C. Shirley, New York, N. Y. Resonator.....	776,622	Dec. 6	814	68	113	1498
Skooz, Carl F., Chicago, Ill. Work-holding device.....	756,723	Apr. 5	1017	225	109	1559
Skorzewski, Wladimir. (See Miniszewski, Joseph von, assignor.)						
Skow, Niels K., Newton, Iowa. Machine for sharpening rotary cutters.....	778,151	Dec. 20	3350	735	113	2182
Skowronek, Richard W., Zwickau, Germany. Securing metal coverings upon pipes.....	776,952	Dec. 6	985	212	113	1644
Skyrud, Mads M. (See Jonsrud and Skyrud.)						
Slaby, Adolf, Charlottenburg, Germany. Indicator for electric oscillations.....	776,359	Nov. 29	5684	1203	113	1352
Slaby, Adolf, Charlottenburg, and G. G. Arco, Berlin, Germany. Spark telegraphy.....	750,496	Jan. 26	3848	896	108	907
Slama, John A., assignor to J. C. Lynch, Chicago, Ill. Hinge.....	762,932	June 21	2670	578	110	2037
Slater, Frederick R., Yonkers, N. Y. Current-collector for electric railways.....	764,211	July 5	623	126	111	139
Slater, Frederick R., assignor to R. W. Lyle, New York, N. Y. Insulating-support for						
electric third rails.....	763,434	June 28	3637	783	110	2292
Slater, Frederick R., assignor of one-half to R. W. Lyle, New York, N. Y. Contact de-						
vice for under-contact third rails.....	763,435	June 28	3638	783	110	2292
Slater, Frederick R., assignor, by mesne assignments, to B. I. Barnard, New York, N. Y.						
Insulating-support for electric third rails.....	764,384	July 5	970	197	111	217
Slater, George A. (See Scott and Slater.)						
Slater, Harry. (See Bulmer, William B., assignor.)						
Slater, James C., St. Louis, Mo. Automatic telephone system.....	760,711	May 24	4236	900	110	1001
				901		
Slater, John T. B., Cleveland, Ohio. Floor-register.....	770,326	Sept. 20	2288	480	112	552

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Slater, John W. (See Ziegler, Arthur W., assignor.)						
Slater, John W. (See Ziegler and Slater.)						
Slater, Mabel H., Readville, Mass. Refrigerator.	764,777	July 12	1801	369	111	410
Slater, Reuben D., Brooklyn, assignor of one-third to R. Minturn, New York, N. Y. Plackett-fastener.	770,871	Sept. 27	3315	700	112	797
Slattery, George H., assignor of one-half to T. W. Haney and H. Aiken, Jacksonville, Fla. Horse-releaser.	759,800	May 3	1290	948	110	283
Slaughter, Harry A., Los Angeles, Cal. Electric therapeutic machine.	776,015	Aug. 9	1813	380	111	1461
Slaughter, Robert W., Richmond, Va. Bolt-cutter.	768,347	Aug. 23	4509	948	111	2094
Slaughter, Franklin S., Derby, Conn. Machine for sewing hooks and eyes on cards.	760,811	May 24	4452	948	110	1046
Slawson, James H., assignor of one-half to W. F. Slawson, Norton, Ind. Ter. Bridle-bit.	773,601	Nov. 1	128	26	113	34
Slawson, William F. (See Slawson, James H., assignor.)						
Slaymaker, Samuel R., Lancaster, Pa. Night or dead-lock latch.	770,542	Sept. 20	2677	566	112	637
Slayman, Alexander, Baltimore, Md. Machine for producing body-seams in sheet-metal cans.	757,238	Apr. 12	2037	444	109	1794
Slee, William, St. Louis, Mo. Dynamo brush-holder.	757,357	Apr. 12	2287	499	109	1846
Steeleman, William W., Oil City, Pa. Working barrel for wells.	750,715	Jan. 26	4266	926	108	992
Sleeper, Joseph J. (See Grimm, Gerhardt E., assignor.)						
Sleeper, Joseph J., Philadelphia, Pa. Vending-machine.	750,315	Jan. 26	3329	763	108	896
Sleeper, Philemon L., Eakly, Okla. Ter. Attachment for cultivators.	770,870	Sept. 27	3314	700	112	796
Sleeth, David. (See Filion, Joseph, assignor.)						
Sleffel, William J. (See Latty and Sleffel.)						
Sleigh, Charles F., Parkersburg, W. Va. Valve-motion.	749,456	Jan. 12	1870	389	108	439
Slemmer, Frank G., Goldsboro, Md. Canning device for fruits or vegetables.	750,407	Jan. 26	3689	801	108	872
Sleno, Israel, Lemon Lake, Mich. Sled.	775,045	Nov. 15	2963	632	113	699
Sientz, Albertus O., assignor of one-half to Canton Foundry and Machine Company, Canton, Ohio. Turn-table.	778,379	Dec. 27	3812	832	113	2297
Slepicka, John, Chicago, Ill. Car-coupling.	771,942	Oct. 11	1460	832	112	1283
Slick, Edwin E., Braddock, Pa. Antifriction-bearing.	760,264	May 17	3355	706	110	789
Slick, William W. (See Ely, Anderson, and Slick.)						
Slife, Clifford. (See Raynor and Slife.)						
Sliga, John, Cleveland, Ohio. Door-lock.	753,642	Mar. 1	804	179	109	176
Slinack, Victor H. (See Prendergast, Slinack, and Wilson.)						
Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Burner for incandescent mantles.	764,155	July 5	485	96	111	105
Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Incandescent street-light.	776,360	Nov. 29	5686	1203	113	1352
Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Fixture for lights.	776,361	Nov. 29	5687	1204	113	1353
Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Gas-controller.	776,362	Nov. 29	5689	1204	113	1353
Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Incandescent gas-light.	776,433	Nov. 29	5686	1233	113	1384
Slingluff, Horace. (See Reed, George T., assignor.)						
Slining, Henry G., assignor of seven-twentieths to F. Schmitt, St. Louis, Mo. Carburetor.	758,789	May 3	416	84	110	102
Sloan, George B., Jr. (See Shea, Thomas A., assignor.)						
Sloan, Joshua K. (See Abolt, John A., assignor.)						
Sloan, Patrick J. (See Walsh, Patrick H., assignor.)						
Sloan, William J., and J. E. Robinson, Cleveland, Ohio. Trolley-wheel oiler.	776,871	Dec. 6	826	178	113	1608
Sloane, Edwin, et al. (See Nederman, Herman, assignor.)						
Sloat, John I., Winchester, Va. Clothes-sprinkler.	776,698	Dec. 6	463	103	113	1529
Slocum, John, assignor to J. A. Jeffrey, Columbus, Ohio. Clam-shell bucket.	751,953	Feb. 9	2193	494	108	1546
Slocum, John C., assignor to J. A. Jeffrey, Columbus, Ohio. Clam-shell bucket.	751,956	Feb. 9	2195	495	108	1546
Sloper, Thomas. (See Gray and Sloper.)						
Sloper, Thomas, Devizes, assignor to C. H. Gray, Silvertown, county of Essex, England. Fastening device for pneumatic tires.	771,674	Oct. 4	893	201	112	1150
Slothkin, Mayer, assignor of one-half to J. Praglin, New York, N. Y. Foot-power mechanism for forges.	762,004	June 7	763	155	110	1605
Slothkin, Mayer, assignor of one-half to J. Praglin, New York, N. Y. Foot-power mechanism for forges.	762,005	June 7	765	155	110	1605
Slothus, Mayer, assignor of one-half to J. Praglin, New York, N. Y. Foot-power mechanism for forges.	767,177	Aug. 9	2155	448	111	1537
Slusser, Harry L. (See Jones and Slusser.)						
Sly, Byron E. (See Teeter and Sly.)						
Sly, William W., Cleveland, Ohio. Rumble.	769,192	Sept. 6	104	26	112	24
Small, Chester C., Newton Highlands, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Producing top lifts.	772,840	Oct. 13	3266	713	112	1702
Small, Frank E., assignor of one-half to J. W. Kent, Brooklyn, N. Y. T-square.	735,987	Apr. 2	1541	339	109	1685
Small, Fred K., Lisbon Falls, Me. Ironing-board attachment.	755,065	Mar. 22	3661	804	109	852
Small, Frederick E., Boston, Mass. Metallic packing for piston-rods.	757,062	Apr. 12	1694	368	109	1719
Small, John S. (See Moodie and Small.)						
Small, Mildred, Cincinnati, Ohio. Glove-form.	761,856	June 7	494	99	110	1350
Small, Richard E., Los Angeles, Cal. Pump-cumulator.	751,758	Feb. 9	1739	410	108	1458
Small, William, Sourlake, Tex. Pump-controlling means.	768,488	Aug. 23	4811	1008	111	2165
Small, William S., assignor to J. S. Gilcrest, Des Moines, Iowa. Brooder.	771,182	Sept. 27	3942	832	112	934
Small, Wily, Dallas, Tex. Roof-anchoring device.	777,441	Dec. 13	1914	422	113	1866
Smalley Manufacturing Company. (See Windlingstad, Nels N., assignor.)						
Smalley, William H., Wellsville, Ohio. Curtain-fixture.	776,810	Dec. 6	698	154	113	1580
Smallman, Nicholas A., Fort Covington, N. Y. Strap attachment.	774,853	Nov. 15	2581	555	113	609
Smallwood, Charles, Washington, N. C. Back-band buckle.	770,397	Sept. 20	2401	507	112	577
Smart, Albert J., assignor to Wiley & Russell Manufacturing Company, Greenfield, Mass. Screw-threading die.	777,442	Dec. 13	1915	422	113	1866
Smart, Donald G., Grand Rapids, Wis. Insulated wiring-tack.	751,354	Feb. 9	1081	244	108	1288
Smart, Herbert D., assignor to A. F. Cummings, Nashua, N. H. Car-door.	770,820	Sept. 27	3248	683	112	782
Smart, Thomas G., and J. E. Lynch, Detroit, Mich. Heating and lighting apparatus.	766,775	Aug. 2	1313	278	111	1333
Smelter, Angeline, Greenville, Ohio, assignor of one-third to M. M. Mehring, Indianapolis, Ind. Jar neck and closure.	749,457	Jan. 12	1873	389	108	440
Smelter, Angeline, Greenville, Ohio, assignor of one-third to M. M. Mehring, Indianapolis, Ind. Jar neck and closure.	776,206	Nov. 29	5392	1142	113	1285
Smelser, Horatio, Ashton, Nebr. Means for holding cars on sidings.	755,949	Mar. 29	5358	1183	109	1239
Smiley, Charles A., Erie, Pa. Coin-actuated vending-machine.	754,616	Mar. 15	2810	618	109	647
Smiley, D. T. (See Reed, Edwin E., assignor.)						
Smiley, John B., assignor of two-thirds to W. B. Cheek, South Omaha, and J. A. Eyer, Omaha, Nebr. Adjustable double-deck stock-car.	778,337	Dec. 27	3725	813	113	2278
Smiley, William H., Niles, Ohio. Printing-press.	778,338	Dec. 27	3726	813	113	2279

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Smillie, Charles M., Detroit, Mich. Turret or screw machine releasing-die.....	767,842	Aug. 16	3433	726	111	1837
Smit & Zoon, L. (See Van den Haspel, Albert, assignor.)						
Smith, Absalom W. and I. R., Blairsville, Pa. Bodkin.....	775,862	Nov. 22	4708	997	113	1111
Smith, Adam M., assignor to Internettent Horse Power Company, Dixon, Ill. Intermit-						
tent hoist and power device.....	760,030	May 17	2906	608	110	688
Smith, Adolph T., New York, N. Y., assignor of one-half to M. B. Matthews, Passaic, N. J.						
Electric fan.....	750,716	Jan. 26	4268	925	108	992
Smith, Adolphus G., assignor of two-thirds to C. W. H. Sanborn, Boston, and A. P. Kent,						
Chelsea, Mass. Incubator.....	768,631	Aug. 30	5131	1078	111	2252
Smith, Alba P., Jr., Brockton, Mass. Ball-bearing spacer.....	756,069	Mar. 29	5567	1329	109	1284
Smith, Albert. (See Harmon, William O., assignor.)						
Smith, Albert C., Rosedale, Kans., assignor to Loose-Wiles Cracker & Candy Company,						
Kansas City, Mo. Carton.....	759,032	May 3	883	180	110	203
Smith, Albert D., Lancaster, Pa. Post-hole digger.....	752,115	Feb. 16	2497	556	108	168
Smith, Albert E. (See Mundy and Smith.)						
Smith, Albert E., Brooklyn, N. Y. Winding reel.....	771,280	Oct. 4	116	26	112	987
Smith, Albert E., Brooklyn, N. Y., assignor to Vitagraph Company of America. Kinetos-						
scope.....	770,937	Sept. 27	3452	729	112	829
Smith, Albert U., Saugatuck, Conn. Scale.....	771,213	Sept. 27	3903	845	112	944
Smith, Albert U., Saugatuck, Conn. Spring-balance scale.....	771,214	Sept. 27	3994	845	112	945
Smith, Albert W., Cleveland, Ohio. Making chloroform.....	753,325	Mar. 1	203		109	47
Smith, Alfred W. (See Hoxie, George L., assignor.)						
Smith, Alvin T., assignor to Prox & Brinkman Manufacturing Company, Terre Haute,						
Ind. Automatic dumping-cage.....	766,907	Aug. 9	1613	339	111	1418
Smith, Andrew, Traverse City, Mich. Clothes-pin-forming machine.....	767,447	Aug. 16	2665	561	111	1666
Smith, Andrew, Traverse City, Mich. Machine for forming clothes-pin blanks.....	767,448	Aug. 16	2668	560	111	1667
Smith, Andrew, Frankfurt, assignor of two-thirds to A. V. Friedrich, Traverse City,						
Mich. Clothes-pin.....	749,234	Jan. 12	1398	299	108	340
Smith, Andrew, assignor of one-half to D. E. Carter and L. B. Wood, Traverse City,						
Mich. Nail or spike.....	761,925	June 7	637	126	110	1578
Smith, Andrew J., Buena Vista, assignor of fifty-one one-hundredths to S. M. Miller and						
E. R. Harper, Whitepine, Colo. Hose-coupling.....	767,843	Aug. 16	3435	726	111	1837
Smith, Andrew T., and B. C. Wilson, Clarkson, Ky. Window-shade.....	770,191	Sept. 13	1980	420	112	461
Smith, Andy C., Brookville, Pa. Well-drilling cable.....	772,065	Oct. 11	1716	383	112	1342
Smith, Arthur A., Goldfield, Iowa. Wire-stretcher.....	769,027	Aug. 30	5940	1244	111	2435
Smith, Arthur G. (See McCutchen and Smith.)						
Smith, Arthur M., Cambridge, Mass. Type-writing machine.....	770,192	Sept. 13	1980	421	112	461
Smith, Arthur O., Milwaukee, Wis. Truck.....	763,698	June 28	4122	898	110	2394
Smith, Arthur W., Barking, England. Spanner.....	749,388	Jan. 12	2128	443	108	498
Smith, Barnett, New York, N. Y. Convertible chair and cradle.....	751,213	Feb. 9	1918	435	108	1484
Smith, Benjamin F. (See Lewis, Faren, and Smith.)						
Smith, Benjamin S., Paisley, Scotland. Machine for trimming the surface of pile carpets.						
.....	755,803	Mar. 29	5059	1123	109	1170
Smith, Benjamin S., Paisley, Scotland. Machine for splitting duplex woven fabrics.....	768,348	Aug. 23	4511	949	111	2094
Smith, Benjamin S., Paisley, Scotland. Jacquard apparatus.....	774,610	Nov. 8	2051	448	113	472
Smith, Burdette S., Elyria, Ohio. Relay.....	768,332	June 21	3378	734	110	2213
Smith, Cameron C., Oakmont, Pa. Apparatus for drying molds.....	773,683	Nov. 1	291	65	113	69
Smith, Charles A. (See Johnson, Charles, assignor.)						
Smith, Charles A., Los Angeles, Cal. Concentrator.....	772,540	Oct. 18	2685	590	112	1576
Smith, Charles A., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-						
clutching means for rotatable spindles.....	772,544	Oct. 18	2776	612	112	1596
Smith, Charles A., assignor of one-third to J. J. Kilbride, Boston, Mass. Faucet.....	777,263	Dec. 13	1878	612	113	1790
Smith, Charles B., St. Louis, Mo. File.....	769,772	Sept. 13	1209	261	112	291
Smith, Charles D., Fond du Lac, Wis. Weed-destroyer brush for railways.....	767,178	Aug. 9	2157	448	111	1537
Smith, Charles E., Bridgeport, Conn. Try-square.....	760,031	May 17	2909	608	110	689
Smith, Charles E., New York, N. Y., assignor to Union Typewriter Company, Jersey						
City, N. J. Type-writing machine.....	752,868	Feb. 23	3955	887	108	1971
Smith, Charles F. (See Hertzler and Smith.)						
Smith, Charles F. (See Warner, Isaac M., assignor.)						
Smith, Charles F., Paterson, N. J. Clothes-line fastener.....	749,235	Jan. 12	1399	300	108	341
Smith, Charles F., Shobonier, Ill. Combination derrick and dump.....	752,187	Feb. 16	2498	558	108	1660
Smith, Charles F., New Britain, Conn. Food-chopper.....	759,923	May 17	3956	564	110	638
Smith, Charles F., Melrose, Mass., assignor to Smith Single Belt Reversing Countershaft						
Company. Reversing mechanism.....	765,346	July 19	2901	606	111	664
Smith, Charles F., assignor to Landers, Frary and Clark, New Britain, Conn. Bread						
mixer and kneader.....	769,193	Sept. 6	105	26	112	24
Smith, Charles F. A., et al. (See Crowell, Luther C., assignor.)						
Smith, Charles F. A. (See Hirschon, Morris H., assignor.)						
Smith, Charles F. A. (See Whiteway, William T., assignor.)						
Smith, Charles G., Lakeland, Mich. Spring-mattress.....	769,843	Sept. 13	1358	290	112	326
Smith, Charles H., New York, N. Y. Wind-wheel.....	770,327	Sept. 20	2289	480	112	553
Smith, Charles H., and F. D. Giddings, Fort Collins, Colo. Beet lifter and toppler.....	763,571	June 28	3872	840	110	2341
Smith, Charles H., Rockford, Ill., and W. F. St. Clair, Owatonna, Minn.; said Smith as-						
signor to said St. Clair. Cash-register.....	765,602	July 19	3394	715	111	707
Smith, Charles M. (See La Sor and Smith.)						
Smith, Charles M., Portville, N. Y. Auxiliary setting mechanism for sawmill-carriages.						
.....	762,933	June 21	3671	579	110	2057
Smith, Charles R. (See Avery and Smith.)						
Smith, Charles R., Manila, assignor to Gasoline Gas Lighting Company, Des Moines,						
Iowa. Carbureter.....	773,231	Oct. 25	4228	895	112	1939
Smith, Charles T. and F. P., Canon City, Colo. Cheese-box.....	761,552	May 31	5895	1263	110	1379
Smith, Charles W. (See Lancy and Smith.)						
Smith, Charles W. (See Watkinson, Frederick J., assignor.)						
Smith, Charles W., Buffalo Center, Iowa. Manure-spreader.....	750,067	Jan. 19	3065	658	108	715
Smith, Charles W., New York, N. Y. Skylight.....	752,869	Feb. 23	3960	887	108	1972
Smith, Charles W., Brooklyn, N. Y. Tunneling apparatus.....	762,931	Feb. 23	4108	914	112	2066
Smith, Charles W., Norwalk, Ohio. Grunnellwork.....	769,719	Sept. 13	1111	238	110	899
Smith, Charles W., assignor to A. D. Fessenden, Townsend, Mass. Machine for planing						
or smoothing surfaces of curved or irregular objects.....	755,321	Mar. 22	4122	911	109	947

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Smith, Chris N., assignor to D. C. Cook Publishing Company, Elgin, Ill. Preparing color-plates for printing	753,746	Mar. 1	1018	281	109	219
Smith, Christian H., Trauger, Pa. Latch for nine-car doors	752,255	Feb. 16	2788	618	108	1699
Smith, Clarence E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle	749,589	Jan. 12	2129	443	108	490
Smith, Clarence E., New Britain, assignor to J. E. Hamilton, Simsbury, Conn. Nut-cracker	750,033	May 3	885	180	110	203
Smith, Clarence M., Owego, N. Y. Carrier for silos	774,704	Nov. 15	2456	530	113	584
Smith, Clark J., Ottumwa, Iowa. Pneumatic hammer	775,784	Nov. 22	4559	967	113	1081
Smith, Clark J., Ottumwa, Iowa. Pneumatic hammer	775,803	Nov. 22	4710	967	113	1111
Smith, Clement, Topeka, Kans. Spring-brace	761,857	June 7	495	99	110	1550
Smith, Clement, and T. Stafford, Topeka, Kans. Power-transmitting device	760,160	May 17	3170	665	110	747
Smith, Cullen R., assignor to himself and J. S. Lowery, Gonzales, Tex. Cotton-stalk puller	749,636	Jan. 12	2210	466 467	108	515
Smith, Cuyler, et al., trustees. (See Lester, James F., assignor.)						
Smith, Cyrus E., Fall River, Mass. Chain-connecting device	775,355	Nov. 22	3671	779	113	887
Smith, Cyrus E., assignor of one-half to C. S. Canfield, Fall River, Mass. Trolley	757,786	Apr. 19	3165	087	109	2053
Smith, D. Lawrence. (See Dodd, Hamilton D., assignor.)						
Smith, Daniel F., New York, N. Y. Rotary engine	764,013	July 5	191	34	111	46
Smith, Daniel W., assignor to International Harvester Company, Chicago, Ill. Wind-flag for harvesters	766,908	Aug. 9	1614	339	111	1419
Smith, Davis N., assignor of one-half to J. H. Guinn, Decatur, Tenn. Alarm	772,480	Oct. 18	2576	567	112	1553
Smith, De Wayne H., Deerfield, N. Y. Sprayer	773,347	Oct. 25	4462	945	112	1389
Smith, Douglas E., assignor to Invisible Ear Phone and Medical Company, New York, N. Y. Ear-phone	774,282	Nov. 8	1447	310	113	342
Smith, Dwight L., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle	762,662	June 14	2666	447	110	1906
Smith, Dwight L., assignor to Waterbury Buckle Co., Waterbury, Conn. Suspender-buckle	765,048	July 12	2333	484	111	524
Smith, Dwight L., assignor to Waterbury Buckle Co., Waterbury, Conn. Suspender-buckle	767,126	Aug. 9	2047	436	111	1515
Smith, E. Tyler, et al. (See Pratte, Charles A., assignor.)						
Smith, Eben B., et al. (See Mariette, Sitas T., assignor.)						
Smith, Ed. D., et al. (See Inman, Edward R., assignor.)						
Smith, Eddie R., et al. (See Thompson, Frank M., assignor.)						
Smith, Edmund, Crowley, La. Bill-file	760,081	May 24	4682	997	110	1005
Smith, Edmund A., Colby, Wash. Composite pile	762,496	June 14	1727	371	110	1833
Smith, Edmund A., assignor to Smith Manufacturing Company, Seattle, Wash. Weight-testing machine	761,614	May 31	6003	1289 1290 1291	110	1404
Smith, Edward A., New York, N. Y. Automatic coasting-cycle	754,823	Mar. 15	3213	701	109	736
Smith, Edward F., Newfield, Me. Handle	758,482	Apr. 26	4536	972	100	2371
Smith, Edward M., W. H. Carpenter, and E. B. Weidknecht; said Smith and Carpenter assignors of one-half to H. Oelkers, Peoria, Ill. Tube-scraper	754,962	Mar. 15	3465	753	109	792
Smith, Edward W., Chelsea, London, England. Staff system and apparatus for controlling traffic on single-line railways	776,207	Nov. 29	3393	1143 (1144)	113	1285
Smith, Edward W., assignor to Electric Storage Battery Company, Philadelphia, Pa. Storage-battery plate	760,712	May 24	4241	901	110	1002
Smith, Edwin E., Buffalo, N. Y. Shaft-bearing	773,232	Oct. 25	4229	805	112	1399
Smith & Egge Manufacturing Company. (See Egge, Frederick, assignor.)						
Smith, Eldridge J., Washington, D. C. Jar-cap	765,049	July 12	2335	485	111	524
Smith, Eldridge J., Washington, D. C. assignor to Parker Bros., Inc., Salem, Mass. Toy pistol	756,988	Apr. 12	1543	340	109	1685
Smith, Elmer H., et al. (See Weiky, Eli, assignor.)						
Smith, Elphinstone M., and J. Ferris, Oakland, Cal. Stretcher	765,369	July 19	2699	614	111	672
Smith, Emanuel A., Waplesburg, Cal. Hay-press	775,612	Nov. 22	4227	890	113	1010
Smith, Emerson R., Oneida, N. Y. Drill-chuck	755,322	Mar. 22	4126	912	109	948
Smith, Ernest, Philadelphia, Pa. Track-switch	763,806	June 28	4342	943	110	2440
Smith, Ernest D., assignor of one-half to F. L. Hillyer, Lockhart, Tex. Baling-press	750,232	Jan. 19	3370	727	108	781
Smith, Ernest G., Columbia, Pa. Reversing-gear	757,063	Apr. 12	1696	368 369	109	1719
Smith, Eugene, Philadelphia, Pa., assignor of two-thirds to T. H. Taylor, Wilmington, Del. Shoe-sewing machine	767,666	Aug. 16	3096	647 648	111	1763
Smith, F. Marion, Nashville, Mich., assignor to Huntley Manufacturing Company, Silver-creek, N. Y. Grain-separator	754,617	Mar. 15	2811	614	109	647
Smith, F. Marion, Nashville, Mich., assignor to Huntley Manufacturing Company, Silver-creek, N. Y. Shaking-grain-separator	766,538	Aug. 2	808	171	111	1218
Smith, F. Marion, Chicago, Ill., assignor to Huntley Manufacturing Company, Silver-creek, N. Y. Grain-drier	765,795	July 26	3824	815	111	871
Smith, Fletcher and J. V. Mertens, Tex. Plow attachment	773,431	Oct. 25	4645	981	112	2029
Smith, Forrest, Council Bluffs, Iowa. Garment-fastener	772,385	Oct. 18	2376	523	112	1510
Smith, Francis J., Vinson, Ga. Plow	769,194	Sept. 6	107	27	112	25
Smith, Francis W., Cambridge, Mass. Non-refillable bottle	776,762	Dec. 6	597	129	113	1558
Smith, Frank. (See MacArthur and Smith.)						
Smith, Frank H., assignor to W. B. Abbott, St. Louis, Mo. Game-register	775,364	Nov. 22	4712	997	113	1112
Smith, Frank J. (See Back and Smith.)						
Smith, Frank L., assignor of one-half to A. C. Ricksecker, Chicago, Ill. Gate-valve-re-sealing machine	753,747	Mar. 1	1019	281	109	219
Smith, Frank L., assignor of one-half to A. C. Ricksecker, Chicago, Ill. Machine for facing valves or other like purposes	768,642	June 28	3994	871	110	2366
Smith, Frank L., assignor of two-thirds to A. C. Ricksecker and L. A. Nichols, Chicago, Ill. Valve	749,637	Jan. 12	2214	467	108	515
Smith, Frank P. (See Smith, Charles T. and F. P.)						
Smith, Frank W., and W. H. assignors to Acorn Electric and Manufacturing Company, New York, N. Y. Indicating attachment for platform-scales	760,088	May 17	3000	627	110	710
Smith, Franklin C., New Bedford, Mass. Ball-cock for tanks	756,538	Apr. 5	679	146	109	1486
Smith, Franklin P. (See McClure, Edward, assignor.)						
Smith, Franklin S., Philadelphia, Pa. Pneumatic-despatch system	770,938	Sept. 27	3453	730	112	829
Smith, Fred G., Allegheny, Pa. Stove	761,327	May 31	5044	1169	110	1288
Smith, Fred H., Oakpark, and D. C. Sassemann, assignors to F. H. Smith Manufacturing Co., Chicago, Ill. Knife-sharpener	755,590	Mar. 22	4622	1026	109	1058
Smith, Fred P., assignor to Municipal Engineering Company, New York, N. Y. Portable evaporating-closed	764,261	July 5	705	143	111	156
Smith, Fred P., assignor to Municipal Engineering Company, New York, N. Y. Crematory	766,848	Aug. 9	1498	313	111	1393

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Smith, Fred P., assignor to Municipal Engineering Company, New York, N. Y. Furnace	766,849	Aug. 9	1499	813	111	1393
Smith, Frederic E., Franklin, Pa. Portable traction-crane	752,363	Feb. 16	2973	602	108	1739
Smith, Frederic E., and E. R. Imman, Franklin, Pa.; said Imman assignor to said Smith.	752,362	Feb. 16	2972	600	108	1739
Smith, Frederick A., Chicago, Ill. Surveying instrument	773,035	Oct. 25	3675	792	112	1809
Smith, Frederick E., Amsterdam, N. Y. Machine for shearing rugs	772,437	Oct. 18	2482	544	112	1534
Smith, Frederick H., assignor to P. P. Menard, Chicago, Ill. Water-still	755,179	Mar. 22	3860	852	109	894
Smith, Frederick H., assignor to D. I. Mahoney, San Francisco, Cal. Retriever for ping-pong or table-tennis balls	771,886	Oct. 11	1394	302	112	1258
Smith, Frederick W., Ellsworth, Mich. Boat and propelling means therefor	772,384	Oct. 18	2373	522	112	1500
Smith, Fredie L., Gradan, Kans. Gate-hinge	764,385	July 5	961	198	111	218
Smith, George A., Plainfield, N. J. Drilling-machine	757,239	Apr. 12	2039	445	109	1794
Smith, George A., Bellfield, assignor of one-half to W. F. Deal and H. Schwartz, Emporia, Va. Box-stuff-sawing machine	767,967	Aug. 16	3680	776	111	1890
Smith, George C., St. Kilda, near Melbourne, Victoria, Australia. Screw for metal wood, &c., and means for operating same	755,804	Mar. 29	5060	1124	109	1171
Smith, George E., trustee. (See Ladd, Hermon W., assignor.)						
Smith, George E., Exeter, N. H. Trolley	764,688	July 12	1630	333	111	373
Smith, George F., Baltimore, Md. Chimney-cap	760,295	May 17	3556	746	111	789
Smith, George G., Florence, Italy. Pressure-regulating valve	774,340	Nov. 8	3584	834	113	367
Smith, George G., Florence, Italy. Burner	774,456	Nov. 8	3577	759	113	409
Smith, George H., assignor to Beaman & Smith Company, Providence, R. I. Bed-fastening for horizontal spindle drilling and boring machines	752,714	Feb. 23	3671	817	108	1969
Smith, George J., assignor to St. Louis Car Company, St. Louis, Mo. Headlight	770,193	Sept. 13	2000	422	112	466
Smith, George P., et al. (See Griswold, George M., assignor.)						
Smith, George R., Latrobe, Pa. Damper-regulator	760,844	Sept. 13	1359	291	112	326
Smith, George R., Latrobe, Pa. Heater for incubators	770,124	Sept. 13	1857	395	112	436
Smith, George W., Union City, Ind. Mail-box	753,522	Mar. 1	588	134	109	128
Smith, George W., Buffalo, N. Y. Railway-rail fastener	766,243	Aug. 23	4316	908	111	2652
Smith, George W., Buffalo, N. Y. Railway-rail spring	770,980	Sept. 27	3458	730	112	830
Smith, George W., assignor to F. Jackson, Union City, Ind. Caster	763,214	June 21	3170	682	110	2169
Smith, George W., assignor to J. H. Hopkins, Rochester, N. Y. Delivery-crane	768,632	Aug. 30	5132	1079	111	2253
Smith, Godfrey L., et al. (See Miller, Roy C., assignor.)						
Smith, Godfrey L., Newport News, Va. Crucible-furnace and crucible	771,675	Oct. 4	896	202	112	1151
Smith, Greene, Colfax, Wash. Disk harrow	770,328	Sept. 20	2290	481	112	553
Smith & Griggs Manufacturing Company. (See Pilkington, Joseph H., assignor.)						
Smith, Grover D., Montclair, N. J. Attachment for vehicle steering-gear	751,876	Feb. 9	2035	469	108	1511
Smith, Gustava F., New Berlin, Ohio. Tripod	752,423	Feb. 16	3104	689	108	1766
Smith, Harper F., Philadelphia, Pa. Vapor-burner	759,034	May 3	886	181	110	203
Smith, Harper F., Philadelphia, Pa. Fluid-pressure regulator or governor for vapor-lamps	759,035	May 3	891	181	110	204
Smith, Harper F., Philadelphia, Pa. Vapor-lamp governor	759,036	May 3	893	182	110	205
Smith, Harper F., Philadelphia, Pa. Lamp	759,087	May 3	897	182	110	206
Smith, Harper F., Philadelphia, Pa. Controlling combustion	759,098	May 3	900	183	110	207
Smith, Harris B., assignor to J. D. Toomey, Bridgeport, Conn. Garbage-crematory	757,149	Apr. 12	1872	409	106	1758
Smith, Harrison B., Charleston, W. Va. Golf-club	760,161	May 17	3174	665	110	748
Smith, Harry, assignor to Pneumatic Scale Corporation, Boston, Mass. Automatic measuring and filling machine	760,162	May 17	3175	667	110	749
Smith, Harry, and W. Wright, Franklin, Pa. Wall-packer for oil-wells	755,190	Mar. 22	3861	852	109	804
Smith, Harry B., Brooklyn, N. Y., assignor of three-fourths to J. S. Stokes, Morristown, N. J.; P. S. Smith, Philadelphia, Pa., and W. S. Smith, Pawtucket, R. I. Box-covering machine	753,524	Mar. 1	589	134	109	128
Smith, Harry C., and G. E. Lippert, Chagrin Falls, Ohio. Electric controller	773,317	Nov. 22	3580	756	113	865
Smith, Harry E., Mercersburg, Pa. Fruit-drier	749,044	Jan. 12	1750	370	108	417
Smith, Harry J., assignor to Alberger Company, Buffalo, N. Y. Electric igniter for gas-engines	757,064	Apr. 12	1699	369	109	1720
Smith, Harry K., Archer, Iowa. Gate-latch	764,076	July 5	331	64	111	72
Smith, Harry W., Worcester, Mass. Loom	755,715	Mar. 29	4964	1081	109	1128
Smith, Henry, Buffalo, N. Y. Fire-alarm box	773,165	Oct. 25	4094	865	112	1911
Smith, Henry, Raleigh, assignor of one-half to J. I. Rose and S. C. Chambers, Durham, N. C. Tobacco-plug cutter	771,281	Oct. 4	118	27	112	998
Smith, Henry C. (See Burkholder, John H., assignor.)						
Smith, Henry C., Chicago, Ill. Support for fire-doors	752,188	Feb. 16	2625	582	108	1650
Smith, Henry C., Chicago, Ill. Means for supporting sliding doors	767,697	Aug. 16	3698	648	111	1764
Smith, Henry C., Chicago, Ill. Track for sliding doors	767,698	Aug. 16	3699	648	111	1764
Smith, Henry C., Chicago, Ill. Overhead carrier and track for same	773,997	Nov. 1	3932	133	113	212
Smith, Henry C., New York, N. Y. Self-closing window	772,200	Oct. 11	2119	464	112	1431
Smith, Henry C., New York, N. Y. Automatic window-closer	774,855	Nov. 15	2589	556	113	612
Smith, Henry C., New York, N. Y. Window-closer	775,046	Nov. 15	2964	632	113	700
Smith, Henry C., New York, N. Y. Automatic window-closer	775,547	Nov. 22	4092	869	113	979
Smith, Henry C., New York, N. Y. Automatic window-closer	776,559	Dec. 6	170	41	113	1466
Smith, Henry C., assignor to Smith-Warren Company, Boston, Mass. Metal window-frame	755,585	Mar. 22	4591	1021	109	1050
Smith, Henry C., New York, N. Y., and B. C. Stickney, Elizabeth, N. J.; said Stickney assignor to said Smith. Automatic window-closer	774,854	Nov. 15	2583	555	113	609
Smith, Henry K., Jamestown, N. Y. Separator mechanism for spinning-frames	763,120	June 21	2974	641	110	2124
Smith, Henry K., Jamestown, N. Y. Separator mechanism for spinning-frames	763,121	June 21	2978	642	110	2124
Smith, Henry P., Canaan, Ohio. Cockeye	752,169	Feb. 16	2626	582	108	1661
Smith, Henry W., assignor of one-half to P. S. Bottomley, Alliance, Ohio. Stovepipe-elbow	777,352	Dec. 13	2138	467	113	1915
Smith, Herbert E., Boston, Mass. Cross-section tester	758,221	Apr. 26	4001	899	106	2254
Smith, Herbert H., and F. B. Dunn, assignors to Harper-Norton Shale Brick Company, Conneaut, Ohio. Brick-facing machine	768,316	Aug. 23	4455	936	111	2082
Smith, Herbert M. (See De Lancy and Smith.)						
Smith, Herbert S., assignor of one-half to C. D. Allen, New York, N. Y. Envelop	767,449	Aug. 16	2670	560	111	1668
Smith, Herman, Ludington, Mich. Apparatus for renewing the stern-bushings of ship propeller-shafts	773,036	Oct. 25	3678	792	112	1810

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Smith, Herman E. (See Stolte and Smith.)						
Smith, Hiram A., Gillett Grove, Iowa. Wheel-fender for sulky or gang plows	774,706	Nov. 8	2296	487	113	512
Smith, Hosea D., assignor of one-half to J. B. Robinson, Cecil, Ga. Swinging-bed spring device	753,173	Feb. 23	4561	1017	108	2108
Smith, Hosea D. and J. B. Robinson, Cecil, Ga. Device for collecting turpentine	771,330	Oct. 4	217	48	112	1007
Smith, Howard F., Parkton, Md. Locking device for ground switch-stands	765,517	July 19	3246	679	111	738
Smith, Howard M., assignor to M. L. Smith, Richmond, Va. Fire-shield for proscenium-arch openings of theaters	775,865	Nov. 22	4715	968	113	1112
Smith, Irving B., Philadelphia, Pa. Rheostat	767,016	Aug. 16	3567	755	111	1866
Smith, Irving B., Philadelphia, Pa. Switch-block	768,197	Aug. 23	4219	887	111	2030
Smith, Irving B., Philadelphia, Pa. Step-motion for controller-levers	768,198	Aug. 23	4221	887	111	2030
Smith, Irving B., Philadelphia, Pa. Rheostat	768,199	Aug. 23	4225	888	111	2031
Smith, Irving B., assignor to Stokes & Smith Company, Philadelphia, Pa. Contact device for electric self-playing musical instruments	777,153	Dec. 13	1367	301	113	1746
Smith, Irving B., assignor to Stokes & Smith Co., Philadelphia, Pa. Expression mechanism for automatically-operated musical instruments	777,226	Dec. 13	1498	332	113	1774
Smith, Irwin W., Dayton, Ohio. Trolley-catcher	760,163	May 17	3179	667	110	750
Smith, Isaac, Stranger, Tex. Wire-stretching implement	772,749	Oct. 18	3111	678	112	1667
Smith, Isabel E. (See Smith, Absalom W. and I. R.)						
Smith, Ivory E. (See Fetzget, George W., assignor.)						
Smith, J. R., et al. (See Gray and Lehmann, assignors.) (Reissue.)						
Smith, Jacob J., assignor of fifty-one to one-hundredths to A. R. Wilfley, Denver, Colo. Slime-saving apparatus	761,615	May 31	6010	1290	110	1406
Smith, James B., San Saba, Tex. Buck-band buckle	773,233	Oct. 25	4230	805	112	1940
Smith, James D., Kansas City, assignor to F. W. Wood, Jackson county, Mo. Automatic note-sheet guide mechanism	755,950	Mar. 29	5361	1184	109	1239
Smith, James D., Kansas City, assignor to F. W. Wood, Jackson county, Mo. Note-sheet feed mechanism for musical-instrument players	756,070	Mar. 29	5568	1229	109	1284
Smith, James E., Alamogordo, N. Mex. Ter. Pumping apparatus	752,715	Feb. 23	3072	818	108	1909
Smith, James E., Flatbush, N. Y. Fire-escape	753,326	Mar. 1	204	45, 46	109	47
Smith, James H. (See Bamford, John W., assignor.)						
Smith, James H., Chicago, Ill. Vignetter	774,457	Nov. 8	1759	380	113	410
Smith, James H., Chicago, and A. Brown, Elgin, assignors to Jas. H. Smith & Co., Chicago, Ill. Plate-holder	756,422	Apr. 5	467	97	109	1442
Smith, James J., Enid, Okla. Ter. Feed-trough	748,802	Jan. 5	462	104	108	103
Smith, James J., Enid, Okla. Ter. Hat-fastener	763,215	June 21	3171	682	110	2169
Smith, James L., Taunton, Mass. Oil-burner	752,716	Feb. 23	3673	818	108	1909
Smith, James M., Sharon, Pa. Feed-water purifier	754,907	Mar. 15	3370	737	109	770
Smith, James P. (See Smith, John E. and J. P.)						
Smith, James W., Mozadore, Ohio. Shock-brake	752,870	Feb. 23	3061	888	108	1973
Smith, James W., Wellington, Kans. Viola wrist-brace	770,434	Nov. 20	5828	1233	113	1885
Smith, Jay A., Huntington, N. Y. Plate-holder attachment for cameras	771,282	Oct. 4	119	27, 28	112	888
Smith, Jerome T., Scotland, S. D. Heating-stove	748,803	Jan. 5	463	104	108	103
Smith, Jerusha C., Minneapolis, Minn. Foot-rest for radiators	764,689	July 12	1632	334	111	373
Smith, Joe V. (See Smith, Fletcher and J. V.)						
Smith, John A., Cleveland, Ohio, assignor to Elliott-Fisher Company, New York, N. Y. Type-arm bearing for type-writing machines	755,404	Mar. 22	4282	946	109	985
Smith, John A., Cleveland, Ohio, assignor to Elliott-Fisher Company, New York, N. Y. Carriage-feeding mechanism for type-writing machines	765,861	July 26	3038	841	111	896
Smith, John A., Baltimore, Md., assignor to Smith Lyraphone Company. Automatic attachment for pianos	761,419	May 31	5664	1236	110	1328
Smith, John B., Valdosta, Ga. Navigator's position-indicator	752,717	Feb. 23	3675	819	108	1910
Smith, John C., Perryville, Ohio. Abrading-tool	752,475	Feb. 16	3184	710	108	1783
Smith, John C., assignor to American Machine Company, Louisville, Ky. Brake and automatic stop device	768,489	Aug. 23	4813	1008	111	2165
Smith, John E., Etta, Pa. Toilet appliance	755,181	Mar. 22	3862	833	109	895
Smith, John E. and J. P., Homer, Ia. Red-partition	754,353	Mar. 8	2211	493	109	499
Smith, John F., et al. (See True, Mark B., assignor.)						
Smith, John F., Baldwin, Kans. Corn-harvester	760,654	May 24	4110	873	110	974
Smith, John F., Bolivar, assignor of one-half to J. G. Hurst, Harpers Ferry, W. Va. Railway tie and fastening	758,115	Apr. 26	3809	827	109	2212
Smith, John H., Montgomery, Ala. Car-brake	751,355	Feb. 2	1083	245	108	1288
Smith, John H., Los Angeles, Cal. Wave-power apparatus	768,701	Aug. 9	5284	1110	111	2285
Smith, John H., assignor of one-half to G. R. Sackett, Revere, Mass. Flushing apparatus for water-closets, &c.	753,174	Feb. 23	4562	1017	108	2108
Smith, John H., assignor of one-half to G. R. Sackett, Revere, Mass. Flushing apparatus for water-closets, &c.	762,444	June 14	1616	331	110	1809
Smith, John J., Joliet, Ill. Street-cleaner	755,518	July 19	3241	780	111	789
Smith, John J. C. and M. Passaic, N. J. Flooring or wall-covering material	752,116	Feb. 16	2499	556	108	1632
Smith, John L., Thompson, Ohio. Potato-dropper	768,317	Aug. 23	4457	936	111	2083
Smith, John M., et al. (See Bryar, George, assignor.)						
Smith, John N., assignor of one-half to R. Paul and J. S. Tipton, Roanoke, Va. Nut-lock	750,130	Jan. 19	3177	683	108	738
Smith, John O., Edmond, Okla. Ter. Animal-trap	768,406	Aug. 23	4658	976	111	2134
Smith, John S., National Military Home, Ohio. Combined wind-wheel and carousel	768,084	Aug. 23	3902	839	111	1982
Smith, John T., New Haven, Conn. Stereoscope cross-bar	761,420	May 31	5670	1307	110	1390
Smith, John T., Heron Lake, Minn. Hay gatherer and loader	762,663	June 14	2060	448	110	1907
Smith, John W., et al. (See Tatum, James W., assignor.)						
Smith, John W., et al. (See Tatum and Parker, assignors.)						
Smith, John W., Ottawa, Canada. Auxiliary car-coupling	753,805	Mar. 29	5061	1124	109	1171
Smith, John W., Shirley, W. Va. Rail-joint	756,423	Apr. 5	469	97	109	1443
Smith, John W., assignor to Ball Engine Company, Erie, Pa. Steam-turbine	777,313	Dec. 13	1661	369	113	1811
Smith, Joseph, San Francisco, Cal. Treating ores	755,951	Mar. 29	5363	1185	110	1239
Smith, Joseph, San Francisco, Cal. Rotary agitator	764,870	July 12	1993	411	111	453
Smith, Joseph, New York, N. Y. Reamer	775,154	Dec. 18	1370	302	113	1747
Smith, Joseph, New York, N. Y. Fastening device for stationary washbasins	777,553	Dec. 13	2139	465	113	1915
Smith, Joseph M., assignor of one-half to G. L. Church, Worcester, Mass. Device for turning electric-car signs	770,125	Sept. 13	1859	395	112	462
Smith, Joseph R., Worcester, Conn., assignor to United States Fastener Company, Portland, Me., and Boston, Mass. Ball-and-socket fastener	753,325	Mar. 1	501	134	109	129

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Smith Lacing Machine Company. (See Smith, Willard A., assignor.)						
Smith, Leon R., assignor to Motsinger Device Manufacturing Company, Pendleton, Ind. Brush-holder for electric generators.	769,195	Sept. 6	108	27	112	25
Smith, Leonard J., assignor to Multiscope & Film Company, Burlington, Wis. Panoramic camera.	773,348	Oct. 25	4463	945	112	1960
Smith, Lester C., Rome, N. Y. Drawing-machine for tubes, rods, &c.	766,291	Aug. 2	313	64	111	1110
Smith, Lewis C. (See Brown and Smith.)						
Smith, Lizzie J., Newark, N. J. Finger-nail polisher.	756,071	Mar. 29	5569	1229	109	1284
Smith, Louis, assignor of one-half to C. A. Armbruster, Chicago, Ill. Device for preventing fraudulent raising of checks, &c.	773,817	Nov. 1	529	116	113	123
Smith, Louis L., New York, N. Y. Identification-card	776,560	Dec. 6	189	42	113	1470
Smith, Louis W., Anacortes, Wash. Washing-machine	755,323	Mar. 22	4127	912	109	949
Smith, Lyman C., Oshawa, Canada. Feed or litter carrier.	751,020	Feb. 2	438	103	108	1154
Smith Lyraphone Company. (See Smith, John A., assignor.)						
Smith Manufacturing Company. (See Smith, Edmund A., assignor.)						
Smith, Maria L. (See Smith, Howard M., assignor.)						
Smith, Matt. (See Waterston and Smith.)						
Smith, Michael. (See Smith, John J. C. and M.)						
Smith, Needham, Pearsall, Tex. Insect-destroyer.	753,926	Mar. 8	1430	322	109	330
Smith, Nelson, Vancouver, Canada. Votag-machine	768,436	June 28	3640	784	110	2392
Smith, Nicholas A., and C. H. Pelton, Grand Rapids, Mich. Tapping device.	754,618	Mar. 15	2814	614	109	618
Smith, Norman J., Philadelphia, Pa. Type-writer attachment.	750,233	Jan. 19	3371	737	108	781
Smith, Noyes D. (See Westeraard, Helge, assignor.)						
Smith, Orson W., assignor to himself and J. J. Fagan, Charlevoix, Mich. Cheese-cutter.	752,006	Feb. 9	2310	516	108	1571
Smith, Percy K. (See Wittich and Smith.)						
Smith, Peter, Cincinnati, Ohio. Vender's wagon.	776,623	Dec. 6	316	68	113	1499
Smith, Peter T., Bangor, Me. Tucker for sewing-machines.	765,684	July 26	3579	759	111	824
Smith, Philip S., et al. (See Smith, Harry B., assignor.)						
Smith, Philip S., Philadelphia, Pa. Covering paper boxes.	772,750	Oct. 18	3112	673	112	1667
Smith, Philip S., Philadelphia, Pa. Box-covering machine.	778,805	Dec. 27	4615	1008	113	2474
Smith, Richard H., Springfield, Mass. Combined molding-press, mold-drier, and vulcanizer.	751,759	Jan. 9	1800	410	108	1458
Smith, Robert D., et al. (See Delano, Frederic A., assignor.)						
Smith, Robert E., St. Louis, Mo. Railway-bed construction.	762,297	June 7	1127	241	110	1684
Smith, Robert E., Mexico, Mo. Railway-bed construction.	762,298	June 7	1127	241	110	1684
Smith, Robert P., and G. E. Drum, Philadelphia, Pa. Mercerizing apparatus.	755,716	Mar. 29	4869	1063	109	1129
Smith, Robert R., Philadelphia, Pa. Door-check.	752,117	Feb. 16	2503	557	108	1632
Smith, Robert R., Philadelphia, Pa. Door-stop.	768,825	Aug. 30	5527	1163	111	2340
Smith, Robert R., Traer, Iowa. Pump-rod counterbalance.	760,226	May 17	3357	706	110	789
Smith, Robert R., Traer, and G. M. Turk, Crystal, Iowa. Pump-rod counterbalance.	749,236	Jan. 12	1400	300	108	341
Smith, Robert W., Stoneleigh, Redditch, England. Means for cutting toothed pinions, sprocket-wheels, or the like.	772,841	Oct. 18	3268	713	112	1702
Smith, Romeyn L. (See Dreisbach, William I., assignor.)						
Smith, Rosell, Lebanon, Ind. Chain sand-dredge.	775,086	Nov. 22	4383	925	113	1043
Smith, Rowland C., et al. (See Whittlesey, Elisha J., assignor.)						
Smith, Rufus C., Chattanooga, Tenn. Stretcher.	775,737	Nov. 22	4472	946	113	1062
Smith, Samuel, Weede, Mont. Snap hook.	762,097	June 7	927	192	110	1638
Smith, Samuel, Weede, Mont. Hay-loading machine.	762,098	June 7	929	192	110	1639
Smith, Samuel A. (See Church and Smith.)						
Smith, Samuel C., Philadelphia, Pa. Street-railway-switch mover.	778,806	Dec. 27	4624	1009	113	2476
Smith, Scott A., Providence, R. I. Apparatus for distributing powdered material to liquids and mixing same therewith.	778,818	Nov. 1	533	117	113	123
Smith, Sidney, et al. (See Sweet, Arthur J., assignor.)						
Smith, Sidney W., et al. (See Elaney, Michael G., assignor.)						
Smith Single Belt Reversing Countershaft Company. (See Smith, Charles F., assignor.)						
Smith, Solomon P., Waterford, N. Y. Air-current governor.	765,796	July 26	3827	816	111	572
Smith, Solon C., Jackson, Ohio. Raising and dropping mechanism.	749,590	Jan. 12	2130	443	108	499
Smith, Sommers N., Philadelphia, Pa. Steam-turbine.	749,885	Jan. 19	2708	578	108	640
Smith, Sommers N., Philadelphia, Pa. Turbine-engine.	771,102	Sept. 27	3778	797	112	900
Smith, Sommers N., Philadelphia, Pa. Steam-turbine.	771,103	Sept. 27	3781	798	112	900
Smith & Son, Lee S. (See Orndorf, Camern E., assignor.)						
Smith & Sons Mfg. Co. (See Livengood, Winfield S., assignor.)						
Smith, Stanley B., et al. (See Linderman, Jay S., assignor.)						
Smith, Sydney L., Bayonne, N. J. Safe or vault.	775,356	Nov. 22	3672	779	113	887
Smith, Theodore, Chicago, Ill. Bracket for desk-lights.	759,924	May 17	2687	565	110	638
Smith, Theodore, Chicago, Ill. Bracket for electric lights.	759,925	May 17	2688	565	110	639
Smith, Theodore, Chicago, Ill. Bracket for electric lights.	759,926	May 17	2690	565	110	639
Smith, Theodore, Chicago, Ill. Flexible metallic-covered tubing.	762,954	June 21	2674	579	110	2053
Smith, Theodore, Chicago, Ill. Lamp-shade.	765,107	July 12	2445	510	111	548
Smith, Theodore, Chicago, Ill. Lamp shade and reflector.	765,755	July 26	3726	795	111	832
Smith, Theodore, Chicago, Ill. Bunsen burner.	769,806	Sept. 13	1265	271	112	303
Smith, Thomas, Donalds, S. C. Combined cultivating-plow and chopper.	765,401	July 19	3900	628	111	685
Smith, Thomas B., Handsworth, England. Inverted incandescent gas-lamp.	754,354	Mar. 8	2212	494	109	500
Smith, Thomas H., Sturgeon Bay, Wis. Marine hull.	769,502	Sept. 6	718	135	112	163
Smith, Thomas H., Jamestown, N. Y. Stop-motion for twisting-machines.	773,087	Oct. 25	3679	792	112	1810
Smith, Thomas H., Jamestown, N. Y. Stop-motion for twisting-machines.	773,098	Oct. 25	3680	793	112	1811
Smith, Thomas M., Baltimore, Md. Penholder.	770,509	Sept. 20	2614	554	112	624
Smith, Uzziel P. (See Seiberling and Smith.)						
Smith, Uzziel P., Chicago, Ill. Machine for making pneumatic tires.	753,813	Mar. 1	1196	269	109	257
Smith, W. Scott, et al. (See Smith, Harry B., assignor.)						
Smith, Walter J. B., Providence, R. I. Friction device for impulse-motors.	755,952	Mar. 29	5364	1184	109	1239
Smith, Walter T., and J. V. Malignat, Jackson, Mich. assignors to Jackson Skirt & Novelty Co. Skirt.	750,234	Jan. 19	3372	738	108	781
Smith-Warren Company. (See Smith, Henry C., assignor.)						
Smith, Warren W., Waco, Tex. Irrigating-machine.	778,081	Dec. 20	3217	707	113	2152
Smith, Watson, Fulton, Ark. Rifle attachment for shotguns.	773,998	Nov. 1	933	193	113	212
Smith, Watson R., Jackson, Mich. Wire clip for cushion-spring work.	757,420	Apr. 12	2416	526	109	1873
Smith, Wilber K., Denver, assignor to American Automatic Switch Company, Pueblo, Colo. Railway-switch.	752,718	Feb. 23	3676	819	108	1910

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Smith, Willard A., Portsmouth, assignor to Smith Lacing Machine Company, Exeter, N. H. Friction-clutch	767,844	Aug. 16	3436	726	111	1837
Smith, Willard A., Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Saco, Me. Spool or the like	775,994	Nov. 29	4998	1054	113	1193
Smith, William, La Crescent, Minn. Strapping-pulling machine	762,445	June 14	1618	332	110	1809
Smith, William, Springfield, Ark. Churn	768,638	Aug. 30	5185	1079	111	2254
Smith, William, assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Trowel-handle	751,356	Feb. 2	1084	245	108	1288
Smith, William A., Carmack, Ky. Water-gate	790,850	Aug. 0	1500	313	111	1303
Smith, William B., Perth Amboy, N. J. Filter device	776,094	Nov. 29	5186	1095	113	1237
Smith, William C. (See Laws, Smith, and Gibbs.)						
Smith, William C., Chicago, Ill. Lifting-jack	748,992	Jan. 5	859	184	108	199
Smith, William C., Merrimac, Mass. Piston-ring	757,065	Apr. 12	1701	369	109	1720
Smith, William C., Amesbury, Mass. Piston-ring. (Reissue.)	12,225	May 24	4963	1051	110	1155
Smith, William D., Denver, Colo. Watchmaker's tool	751,439	Feb. 2	1315	277	108	1516
Smith, William G. (See Truman, Charles, assignor.)						
Smith, William H., Jr. (See Quick and Smith.)						
Smith, William H. (See Smith, Frank W. and W. H.)						
Smith, William H. (See Villiers, Edward C., assignor.)						
Smith, William H., Pawtucket, R. I. Friction-coupling	755,933	Mar. 29	5365	1184	109	1240
Smith, William H., Syracuse, N. Y. Bolt and nut lock	760,812	May 24	4456	940	110	1047
Smith, William H., assignor of one-half to W. F. Kelly, Elizabeth, N. J. Automatic marine water-closet	751,210	Feb. 2	806	185	108	1229
Smith, William H., and T. K. Haner, Pittsburg, Pa. Photographic-printing frame	775,785	Nov. 22	4561	967	113	1081
Smith, William J., New Haven, assignor to Geometric Drill Company, Westville, Conn. Die-head	750,994	Feb. 2	238	53	108	1110
Smith, William M., Turtlecreek, Pa. Nut-lock	764,386	July 5	982	198	111	218
Smith, William R., Buffalo, N. Y. Power-transmitting device	759,089	May 3	902	183	110	207
Smith, William R., Buffalo, N. Y. Power-transmitting device	755,066	Mar. 22	3662	804	109	853
Smith, William R., Buffalo, N. Y. Power-transmitting device	755,067	Mar. 22	3664	804	109	853
Smith, William R., Buffalo, N. Y. Apparatus for treating tubular fabrics	776,150	Nov. 29	5288	1118	113	1261
Smith, William R., Buffalo, N. Y. Pin-clasp	776,763	Dec. 6	598	139	113	1558
Smith, William R., assignor to Buffalo Weaving and Belting Company, Buffalo, N. Y. Apparatus for treating textile fabrics in the manufacture of belting	762,356	June 14	1432	310	110	1769
Smith, William R., assignor to Buffalo Weaving and Belting Company, Buffalo, N. Y. Textile fabric for belting and making same	762,357	June 14	1437	311	110	1770
Smith, William R., assignor of one-half to J. D. Larkin, Buffalo, N. Y. Enameled or patent leather	765,085	July 26	3581	760	111	824
Smith, William R., assignor of one-half to J. D. Larkin, Buffalo, N. Y. Apparatus for baking or curing patent leather	774,971	Nov. 15	2807	691	113	663
Smith, William R., assignor of one-half to H. D. Folinsbee, Buffalo, N. Y. Apparatus for feeding ore, coal, &c.	766,539	Aug. 2	810	111	111	1218
Smith, William R., assignor of one-half to H. D. Folinsbee, Buffalo, N. Y. Support for conveyor-belts	772,908	Oct. 25	3534	765	112	1780
Smith, William S. H. (See Middleton and Smith.)						
Smith, William W., New York, N. Y., assignor to American Car & Foundry Company, St. Louis, Mo. Car-body	776,811	Dec. 6	699	154	113	1581
Smith, Willis A., New York, N. Y. Reversible feed mechanism for sewing-machines	769,503	Sept. 6	719	155	112	163
Smith, Worthington & Company. (See Barlow, Josiah, assignor.)						
Smithley, Alfred M., assignor of two-thirds to R. M. Peck, Miami, Ind. Ter. Churn	768,956	Aug. 30	5792	1217	111	2401
Smithson, Alexander J., Portland, Oreg. Hydrocarbon-burner	755,717	Mar. 29	4873	1083	109	1130
Smithson, Alexander J., Portland, Oreg. Means for storing oil	762,601	June 14	1940	419	110	1878
Smithson, Alexander J., Portland, Oreg. Railway	765,797	July 26	3828	816	111	872
Smithson, Alexander J., Portland, Oreg. Combined fuel-oil burner and furnace	767,601	Aug. 16	2979	623	111	1738
Smithson, Charles, et al. (See Osborne, John W., assignor.)						
Smithson, Thomas F., Whiteford, Md. Belt-coupling	772,585	Oct. 18	2778	612	112	1507
Smithson, Thomas F., Whiteford, assignor of one-half to T. L. Pyle, Pylesville, Md. Garden and truck cultivator	762,096	June 7	766	156	110	1605
Smithwick, Samuel D., Manguni, Okla. Ter. Fruit or vegetable cutter	751,693	Feb. 9	1681	381	108	1434
Smock, Jasper D., Terre Haute, Ind. Attachment for head-rests	769,415	Sept. 6	549	120	112	124
Smyser, Louis B., Elizabeth, N. J., assignor, by mesne assignments, to Canda Brothers, New York, N. Y. Reversing-gear	751,211	Feb. 2	808	186	108	1229
Smyser, Louis B., Elizabeth, N. J., assignor, by mesne assignments, to Canda Brothers, New York, N. Y. Means for attaching suction-tubes and inlet-valves to explosive or internal-combustion engines	753,814	Mar. 1	1200	270	109	258
Smyth, David G., Hartford, Conn. Electric printing-machine	764,813	May 24	4457	949	110	1047
Smyth, George H., Colorado Springs, Colo. Trestle-frame	755,182	Mar. 22	3863	833	109	895
Smyth, Joseph E., Chicago, Ill. Sheet-separating mechanism	771,283	Oct. 4	123	28	112	989
Smyth, Joseph J. (See Sausen, Peter J., assignor.)						
Smyth Manufacturing Company. (See Kimball, George C., assignor.)						
Smyth, William H., Berkeley, Cal. Ore-roasting furnace	761,049	May 24	4941	1047	110	1149
Smyth, William H., Berkeley, Cal. Ore-roasting furnace	761,050	May 24	4945	1048	110	1151
Smyth, William H., and A. B. Bowers, San Francisco, Cal. Dredging-machine	748,804	Jan. 5	465	105	108	104
Smyth, William P., et al. (See Scott, James R., assignor.)						
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Switching apparatus for telephone-switchboards	753,927	Mar. 8	1431	322	109	330
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Se-crecy system for telephone-switchboards	756,424	Apr. 5	470	97	109	1443
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Supervisory signal apparatus for telephone-switchboards	758,116	Apr. 26	3811	827	109	2212
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Sign-aling apparatus for telephone-switchboards	759,641	May 10	2148	442	110	503
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Sign-aling apparatus for telephone-switchboards	759,762	May 10	2370	494	110	552
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Ap- paratus for telephone-trunk-lines	764,690	July 12	1633	334	111	373
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Ap- paratus for telephone-trunk-lines	774,283	Nov. 8	1449	311	113	343
Smythe, Edwin H., Freeport, assignor to Western Electric Company, Chicago, Ill. Telephone-exchange system	776,435	Nov. 20	5829	1233	113	1385
Smythe, Milton B., Holton, Kans. Commode	776,095	Nov. 29	5188	1096	113	1237

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Snavely, Benjamin H., Brunnerville, and T. H. Keller, Lititz, Pa. Cigar-machine.....	768,777	Aug. 30	5418	1141	111	2317
Snavely, Charles T. (See Snavely, Ferdinand S., and C. T.)						
Snavely, Ferdinand S., and C. T., Marion, Va. Grain grading and separating machine.....	751,696	Feb. 9	1683	382	108	1434
Snead, Jesse S., and W. C. Ballou, Atlanta, Ga. Telegraph call system.....	771,676	Oct. 4	899	293	112	1152
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Lan- tern-plug.....	749,807	Jan. 19	2565	545	108	608
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Lan- tern and lantern-plug for water-tube boilers.....	752,871	Feb. 23	3962	888	108	1973
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Form- ing boiler-headers.....	755,718	Mar. 29	4876	1084	109	1131
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Su- perheater.....	757,570	Apr. 19	2733	1597	109	1956
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Flang- ing-machine.....	759,482	May 10	1838	1370	110	437
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company. Water-tube boiler.....	760,267	May 17	3358	1707	110	790
Sneddon, James P., Barberton, Ohio, assignor to Sterling Co., Chicago, Ill. Flanging implement.....	767,602	Aug. 16	2982	623	111	1739
Sneddon, James P., Barberton, Ohio, assignor to Stirling Company, Chicago, Ill. Wa- ter-tube boiler.....	770,654	Sept. 20	2908	618	112	690
Snedeker, Abraham L., assignor of one-fourth to L. G. Sinclair and B. Cheney, Steuben- ville, Ohio. Puzzle.....	760,092	May 17	2910	699	110	689
Snedeker, Elbert, New York, N. Y. Garment-supporter.....	772,969	Oct. 25	3536	765	112	1780
Snedeker, James W., Adrian, Mich. Wire-fabric loom.....	755,719	Mar. 29	4878	1086	109	1131
Snedeker, James W., assignor to W. F. Page, Adrian, Mich. Dust-pan.....	774,604	Nov. 15	2968	1082	113	679
Snedeker, William E., Camden, N. J. Wrench.....	758,508	Apr. 26	4710	1016	109	2412
Sneed, Arthur L., Clarks, La. Copying-press.....	767,315	Aug. 9	2397	501	111	1590
Sneed, Henry L., et al. (See Walter, Edward, assignor.)						
Sneeringer, Samuel R. (See Barten and Sneeringer.)						
Sneider, Joseph, Buckley, Wash. Cattle-guard.....	751,957	Aug. 9	2197	495	108	1547
Sneider, Joseph, Buckley, Wash. Tie-plate for railway tracks.....	768,156	Aug. 23	4146	872	111	2015
Snell Electric Signal Company. (See Snell, Harry B., assignor.)						
Snell, George D., Denver, Colo. Soap-lock.....	755,553	Mar. 22	4538	1010	109	4029
Snell, Harry B., Cement City, Mich., assignor to Snell Electric Signal Company. Auto- matic signaling system for electric railways.....	751,021	Feb. 2	440	104	108	1154
Snell, Harry B., Cement City, Mich., assignor to Snell Electric Signal Company. Auto- matic signaling system for electric railways.....	752,719	Feb. 3	3678	819	108	1910
Snell, James W., assignor to V. N. Cox, Lynn, Mass. Machine for chamfering the heels of boots or shoes.....	772,541	Oct. 18	2686	590	112	1576
Snell, Luther C., Detroit, Mich. Carburetor.....	758,730	May 3	417	84	110	162
Snell, William T., Octave, Ariz. Ter. Pipe or bar cutter.....	757,375	Apr. 19	3512	762	109	2129
Snider, Benjamin R., Abingdon, Iowa. Steam dirt-excavator.....	759,763	May 10	2372	495	110	553
Snider, George L. (See Norris, Charles P., assignor.)						
Snider, John C., Cripplecreek, Colo. Combined pipe and nut wrench.....	754,509	Mar. 15	2623	569	109	609
Snider, Pleasant, et al. (See Piper, Herbert H., assignor.)						
Snider, Walter D., assignor of one-half to W. Dunn, Paterson, N. J. Speed-change mech- anism for lathes.....	752,007	Feb. 9	2312	516	108	1571
Snigo, James J., Pittsburg, Pa. Milk-can lid or cover.....	775,687	Nov. 22	4395	925	113	1043
Snitjer, Drikus, Cupertino, Cal. Box-nailing machine.....	778,463	Dec. 27	3992	868	113	2336
Snodgrass, John C., Steubenville, Ohio. Insulator.....	756,724	Apr. 5	1018	229	109	1559
Snook, Homer C., Philadelphia, Pa. Stereoscopic apparatus.....	758,117	Apr. 26	3814	836	109	3213
Snook, Homer C., Philadelphia, Pa., assignor, by mesne assignments, to American De- Forest Wireless Telegraph Company. Wireless telegraphy.....	768,778	Aug. 30	5420	1142	111	2317
Snook, Homer C., assignor to Roentgen Manufacturing Company, Philadelphia, Pa. Electrical measuring instrument.....	768,957	Aug. 30	5793	1218	111	2462
Snow, Arthur E., assignor, by mesne assignments, to Syracuse Time Recorder Company, Syracuse, N. Y. Time-recorder.....	757,150	Apr. 12	1874	400	109	1750
Snow, Charles H., Stockton, Cal. Magazine-gun.....	752,932	Feb. 23	4111	915	108	2907
Snow, Chester A., et al. (See Griffin, Thomas J., assignor.)						
Snow, Isaac, Lawrence, assignor to Draper Company, Hopedale, Mass. Shuttle-check- ing means for looms.....	763,122	June 21	2979	643	110	2125
Snow, Levi T., New Haven, and A. A. Warner, New Britain, Conn.; said Warner assignor to said Snow. Food-chopper.....	754,240	Mar. 8	2634	452	109	463
Snow, Thomas D., Devereau, Mass. Weather-strip for doors.....	767,771	Aug. 16	3276	631	111	1894
Snow, William D., Philadelphia, Pa. Printing-block-adjusting machine.....	770,543	Sept. 20	2699	567	112	638
Snow, William J., assignor of one-half to J. H. Davis, Vilonia, Ark. Milk-can.....	748,805	Jan. 5	470	106	108	105
Snowden, René R., et al. (See Hepler, Fay F., assignor.)						
Snowdon, John, Millwall, England. Automatic lubricator.....	768,958	Aug. 30	5797	1218	111	2462
Snyder, Allison F., and W. A. Alliance, Nehr. Hay loader and stacker.....	777,554	Dec. 13	2141	468	113	1913
Snyder, Andrew W., Richmond, and W. McConaha, near Centerville, Ind. Wash-boiler.....	758,867	May 3	381	119	109	149
Snyder, Charles F., administrator. (See Stilwell, Henry C.)						
Snyder, Charles W. E. (See Hunt, Emory C., assignor.)						
Snyder, David B., Columbus, Ind. Split collar.....	772,624	Oct. 18	2864	628	112	1615
Snyder, Dillon H., East Toledo, assignor of one-half to P. I. Sawyer, Findlay, Ohio. Ex- cavating-machine.....	759,764	May 10	2375	496	110	553
Snyder, Edward. (See Peterson, Snyder, and Larrabee.)						
Snyder, Frank E., Massillon, Ohio. Nutmeg-grater.....	762,497	June 14	1729	371	110	1822
Snyder, Frederick T., Oak Park, Ill. Sander.....	773,819	Nov. 1	535	117	113	194
Snyder, George W., Pueblo, Colo. Adjustable swinging gate.....	769,571	Sept. 6	828	179	112	189
Snyder, H. E. (See Geisler, Fernando H., assignor.)						
Snyder, John, Snyderville, Ohio. Tire.....	760,352	May 17	3513	739	110	824
Snyder, John F., New York, N. Y. Automatic brake-shoe for baby-carriages.....	754,510	Mar. 15	2924	569	109	616
Snyder, John S., Meyersdale, Pa. Cokedrawers lamp.....	733,748	Mar. 1	1622	292	106	229
Snyder, Joseph, and C. E. Lyter, Harrisburg, Pa. Car-coupling.....	766,738	Aug. 2	1225	300	111	1313
Snyder, Lambert, Rochelle Park, N. J., assignor to Lambert Snyder Company, New York, N. Y. Vibratile apparatus.....	773,234	Oct. 25	4231	896	112	1940
Snyder, Leo M., Dubois, Pa. Car-fender.....	761,421	May 31	5672	1207	110	1390
Snyder, Oscar, assignor of two-fifths to I. H. Harris and J. Michaels, New York, N. Y. Service-tableware.....	776,363	Nov. 29	5690	1204	113	1354

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Snyder, Robert, <i>et al.</i> (See Pickel, John W., assignor.)						
Snyder, Walter A. (See Snyder, Allison F. and W. A.)						
Snyder, William R., Kimberton, Pa. Rotary pleasure-tower.....	750,717	Jan. 26	4269	927 928	108	992
Soames, Alfred, and W. Langdon-Davies, county of Surrey, England. Change-speed gear.....	773,999	Nov. 1	934	194	113	212
Soames, Alfred, and W. Langdon-Davies, county of Surrey, England. Change-speed gear.....	775,503	Nov. 22	3974	589	113	953
Sobey, Herbert, Republic, Mich. Dinner-pail.....	763,437	June 28	3642	784	110	2243
Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Wheel-hub.....	759,554	May 10	1988	406	110	470
Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Seeding-machine.....	759,565	May 10	1990	407	110	470
Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Clamp for cultivator-shovels or like implements.....	763,216	June 21	3172	682	110	2170
Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Disk harrow.....	775,283	Nov. 15	3506	739	113	831
Soblik, Maximilian, Dusseldorf, Germany. Pneumatic type-writer with open-pipe system	757,066	Apr. 12	1702	370	109	1730
Société Anonyme d'Etudes et d'Exploitation des Brevets A. Castein pour Machines Agricoles Automobiles. (See Castein, André, assignor.)						
Société Anonyme des Anciens Etablissements Panhard et Levassor. (See Krebs, Arthur, assignor.)						
Société Anonyme des Ateliers de Mécanique de Précision de Territet. (See Peloux, Albert, assignor.)						
Société Anonyme Industrie Verrière et ses Dérivés à Bruxelles. (See Voelker, August, assignor.)						
Société Anonyme pour la Production et l'Emploi de la Vapeur Surchauffée. (See Leclerc, André, assignor.)						
Société Chimique des Usines du Rhône, Anciennement Gilliard, P. Monnet et Cartier. (See Balthazard, Baptiste, assignor.)						
Société Chimique des Usines du Rhône, Anciennement Gilliard, P. Monnet et Cartier. (See Eichhart, Silvain, assignor.)						
Société Chimique des Usines du Rhône, Anciennement Gilliard, P. Monnet et Cartier, <i>et al.</i> (See Wichmann, Georg, assignor.)						
Société d'Exploitation, des Appareils Rateau. (See Rateau, Auguste C. E., assignor.)						
Société d'Exploitation des Appareils Rateau. (See Rateau, Auguste C. E., assignor.) (Reissue.)						
Société de Métallurgie Electro-Thermique. (See Imbert, Antoine H., assignor.)						
Société des Inventions Jan Szczepanik & Co. (See Szczepanik, Jan, assignor.)						
Société en Actions "Prométhée" Directeur Metchislav Fiedler. (See Kirssanoff, Wasiliy, assignor.)						
Société Française de Constructions Mécaniques (Anciens Etablissements Cail). (See Bongault, Alfred, assignor.)						
Société Gelas et Co. (See Gelas, Jean P., assignor.)						
Société Générale des Freins Lipkowski. (See Houplain, Georges E., assignor.)						
Société Générale des Freins Lipkowski. (See Tasker, Vernon C., assignor.)						
Société l'Eclairage Electrique. (See Maginot, Albert, assignor.)						
Société Solignac, Grille & Compagnie. (See Grille, Charles J. A., assignor.)						
Society of Chemical Industry in Basle. (See Jagerspacher and Kröber, assignors.)						
Society of Chemical Industry in Basle. (See Jedlicka, Karl, assignor.)						
Society of Chemical Industry in Basle. (See Jedlicka and Schedler, assignors.)						
Society of Electricitäts Actien-Gesellschaft vorm. W. Lahmeyer & Co. (See Dettmar, Georg, assignor.)						
Society of Voigt & Haefner, Actien Gesellschaft. (See Schneider, Friedrich W., assignor.)						
Sode, Adam B. (See Neal, George P., assignor.)						
Soden, Albert N., Trenton, N. J. Electric lamp and socket.....	755,954	Mar. 29	5370	1185	109	1242
Soder, Oscar, assignor to J. Soder & Söhne, Niederlenz, Switzerland. Mechanical movement.....	773,900	Nov. 1	734	156	113	168
Soder & Söhne, J. (See Soder, Oscar, assignor.)						
Soderberg, Louis. (See Gunn, Charles D., assignor.)						
Sodergren, Axel O., Minneapolis, Minn. Folding picture-album.....	778,282	Dec. 27	3613	789	113	2255
Soderholm, Per A., and M. Olsson, Bridgeport, Conn. Machine for making Swedish hard bread.....	768,914	Aug. 30	5704	1199 1200	111	2332
Soderlund, Gustave A., Somerville, Mass. Valve mechanism for basin-outlets.....	767,450	Aug. 16	2671	560	111	1668
Soderstrom, Frank O., Chicago, Ill. Automatic water-urn.....	771,399	Oct. 4	373	82	112	1036
Soeder, Henry, Cleveland, Ohio. Carbureter.....	765,108	July 12	2446	510	111	548
Soeldner, Henry, East Williamsburg, N. Y. Speed-regulator for explosive-engines.....	768,866	Aug. 30	3666	1178	111	2358
Sohn, Joseph, Berlin, Germany. Impressing and perforating pliers.....	767,803	Aug. 16	2384	624	111	1739
Söhnlein, Heinrich, Wiesbaden, Germany. Explosive-engine.....	770,872	Sept. 27	3317	700	112	797
Sohst, Otto, assignor to Farbwerke, vorm. Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Orange dye and making same.....	766,540	Aug. 2	812		111	1218
Soisson, Louis H., Connellsville, Pa. Detachable handle.....	749,753	Jan. 19	2470	526	108	588
Soler, Frank, San Bernardino, Cal. Grease-cup.....	776,953	Dec. 6	986	212	113	1644
Soley, Frank, administrator. (See Soley, William H.)						
Soley, William H., Philadelphia, Pa., assignor of one-half to Thos. H. Dallett Co. Pneumatic tool.....	754,019	Mar. 8	1601	356 357	109	369
Soley, William H., Philadelphia, Pa., assignor of one-half to Thos. H. Dallett Co. Pneumatic tool.....	755,232	Mar. 22	4129	913	109	949
Soley, William H., deceased, Philadelphia, Pa.; F. Soley, administrator, assignor of one-half to Thos. H. Dallett Co. Drill.....	772,003	Oct. 11	1578	353	112	1310
Soley, William H., deceased, Philadelphia, Pa. (F. Soley, administrator,) assignor of one-half to Thos. H. Dallett Co. Pneumatic tool.....	774,367	Nov. 8	1600	343	113	377
Soller, Eugen, and F. Hottinger, Basle, Switzerland; said Hottinger assignor to said Soller. Water-cooling apparatus.....	778,152	Dec. 20	3352	735	113	2182
Solley, John W. (See Downing, William H., assignor.)						
Solo, Albert, New York, N. Y. Combined calipers and dividers.....	770,544	Sept. 20	2683	567	112	639
Solomon, David W., Arlington, Wash. Saw-handle.....	752,364	Feb. 16	2975	662	108	1740
Solomon, George S., Biebee, Ariz. Ter. Plate-lifter.....	754,550	Mar. 8	2037	453	109	464
Solon, James J. (See Klingner, Fred J., assignor.)						
Solon, Thomas F., Solon Springs, Wis. Coin-controlled apparatus.....	751,420	Feb. 2	1183	269	108	1308
Solon, Thomas F., Solon Springs, Wis. Phonograph.....	760,655	May 24	4115	874 875	110	975
Solvay Process Company. (See Brichaux, Arthur, assignor.)						
Somers, Erastus C., deceased, Corning, N. Y.; N. L. Somers, administrator. Revolvable window.....	749,109	Jan. 5	1125	238 239	108	260
Somers, Nelson L., administrator. (See Somers, Erastus C.)						
Somers, Thomas F., New York, N. Y. Corset-form.....	775,965	Nov. 29	4994	1055	113	1193
Somerville, William, St. Louis, Mo. Disk plow or harrow.....	752,366	Feb. 16	2866	638	108	1715

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Somes, Frank C., Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Mechanical coke-puller	775,196	Nov. 15	3283	702	113	774
Somes, Frank C., Washington, D. C., assignor to J. E. Jones, Switchback, W. Va. Coke-puller	775,197	Nov. 15	3285	702	113	774
Sommer, H. Otto. (See Ambrose, William E., assignor.)						
Sommer, Jacob, Kearney, assignor of one-half to H. F. Carson, Fremont, Nebr. Fifth-wheel	751,877	Feb. 9	2037	461	108	1512
Sommer, Joseph W. (See Sommer, Peter, P. W., and J. W.)						
Sommer, Joseph W., Peoria, Ill. Wire fencing	756,540	Apr. 5	683	146	109	1487
Sommer, Peter, P. W., and J. W. Peoria, Ill. Stretcher for carriage-top bows	756,539	Apr. 5	681	146	109	1486
Sommer, Peter W. (See Sommer, Peter, P. W., and J. W.)						
Sommer, Peter W., Peoria, Ill. Index system	761,422	May 31	5073	1207	110	1330
Sommerfeld Machine and Manufacturing Co. (See Lucock, John S., assignor.)						
Sommers, Louis A. (See Yates and Sommers.)						
Sommerville, Grant P. (See Guest, Theodore M., assignor.)						
Sonander, Andrew. (See Credlebaugh and Sonander.)						
Sonander, Andrew, assignor to Foss Gas Engine Company, Springfield, Ohio. Reversing-gear	751,022	Feb. 2	443	104	108	1155
Sonendriker, Edward T., assignor of one-half to M. W. Coleman, Golden, Tex. Feeding attachment for pneumatic conveyers, E. assignor.)	753,928	Mar. 8	1436	322	109	331
Sonke, Joseph, and R. A. Metzner, Seguin, Tex. Brick-kiln	775,017	Nov. 15	2971	633	113	703
Sonke, Christian, Grand Rapids, Mich. Device for turning the wheels of band-saws	760,576	May 24	3353	838	110	940
Sonnenfeld, Max, New York, N. Y. Watch-protector	756,072	Mar. 29	5570	1239	109	1285
Sonnichsen, Charles, North San Diego, Cal. Recording attachment for scales	776,364	Nov. 29	5091	1205	113	1354
Sory, Charles H., San Jose, Cal. Spring-protector for carriage-top bows	775,583	Nov. 22	4174	879	113	986
Soosmith, Charles, New York, N. Y. Constructing foundations, tunnels, &c	755,955	Mar. 29	5372	1185	109	1242
Soosmith, Charles, New York, N. Y. Constructing tunnels, shafts, or other excavations.	755,956	Mar. 29	5375	1185	109	1243
Soper, Seth N., Corunna, Mich. Fence	760,407	May 17	3512	761	110	846
Sorsen, Evald, Badger, Minn. Wire	772,751	Oct. 18	3116	673	112	1668
Sorensen, Hans, Suoma, S. D. Sprinkling attachment for mowers	774,284	Nov. 8	1453	311	113	344
Sorensen, Peter, Brooklyn, N. Y. Electric switch	756,541	Apr. 5	684	147	109	1487
Sorenson, Anchor N., Gustave, S. D. Calf-weaver	777,443	Dec. 13	1917	423	113	1867
Sorenson, Andrew J., Chicago Heights, Ill., assignor to Baldwin Company, Hamilton county, Ohio. Piano-pedal guard	751,697	Feb. 9	1085	382	108	1435
Sorge, Adolph, Jr., Chicago, Ill. Water-purifying apparatus	772,678	Oct. 18	2949	647	112	1633
Sorge, Augustus G., et al. (See Williams, Timothy A., assignor.)						
Sorge, James H., et al. (See Williams, Timothy A., assignor.)						
Sorlin, Charles. (See Edouard and Sorlin.)						
Sorrentino, Ercole, Bradford, Pa. Heating-cup	755,405	Mar. 22	4284	946	109	985
Sory, Benjamin D., Greenvale, Tex. Cotton-elevator and gin-feeder	760,494	May 24	3792	802	110	905
Soss, Joseph, et al. (See Schuch, William, assignor.)						
Sostman, Julius, et al. (See Gordon, George W., assignor.)						
Souder, Howell W., Tamaqua, assignor of one-half to W. D. Zehner, Lansford, Pa. Signaling system	773,039	Oct. 25	3682	793	112	1811
Souder, Howell W., Tamaqua, assignor of one-half to W. D. Zehner, Lansford, Pa. Block-signal system	773,040	Oct. 25	3685	793	112	1812
Souder, Howell W., Tamaqua, assignor of one-half to W. D. Zehner, Lansford, Pa. Block-signal system for electric railways	774,897	Nov. 15	2672	574	113	632
Souder, Howell W., Tamaqua, assignor of one-half to W. D. Zehner, Lansford, Pa. Electric signaling system	777,555	Dec. 13	2142	468	113	1915
Souder, Howell W., Tamaqua, and J. Early, Lansford, Pa. Electric signal system	773,166	Oct. 25	4096	866	112	1911
Souder, Jacob J., Washington, D. C. Metallic roof for railway-cars	763,438	June 28	3643	784	110	2293
Souheur, Jean J. H., Antwerp, Belgium. Heating apparatus.	771,583	Oct. 4	716	159	112	1111
Soulé, George W., Meridian, Miss. Clamp	752,424	Feb. 16	3106	689	108	1766
Soule, James B., assignor of one-half to Central Machine Works Company, Minneapolis, Minn. Automatic attachment for elevator-belts	765,151	July 12	2533	530	111	565
Soule, William G., Newton, Mass. Plate-glass clamp	771,215	Sept. 27	3998	846	112	945
Sourek, Joseph S., Ghent, Ohio. Buckle	749,953	Jan. 19	2844	607	108	669
Sourwine, John D., Brazil, Ind. Means for facilitating internal flushing or syringing	766,069	July 26	4331	938	111	981
Soutar, George, East Pittsburgh, Pa. Hose-coupling	755,325	Mar. 22	4130	913	109	949
Souter, John W. (See Briggs and Sitts, assignors.)						
South, James T., Brighton, England. Artificial slate	750,905	Feb. 2	239		108	1110
South, William C. (See O'Donnell and South.)						
South, William C., Berwyn, Pa. Color photography	769,773	Sept. 13	1210	261	112	291
Southall, Horace S., Buffalo, N. Y. Tool-handle	769,504	Sept. 6	722	156	112	164
Southard, Abraham M. and C. L., Denver, Colo. Sash-lock	754,355	Mar. 8	2214	494	109	500
Southard, Clarence L. (See Southard, Abraham M. and C. L.)						
Southard, Frank E., Toledo, Ohio. Vehicle-wheel	748,993	Jan. 5	860	185	108	200
Southard, Frank E., Toledo, Ohio. Go-cart	748,994	Jan. 5	861	185	108	200
Souther, George H., et al. (See Calahan, Edward L., assignor.)						
Southerden, John S., Brisbane, Queensland, Australia. Type-inking apparatus for type-writing machines	773,602	Nov. 1	129	27	113	35
Southerden, John S., Brisbane, Queensland, Australia. Type-inking apparatus for type-writing machines	773,603	Nov. 1	130	27, 28	113	35
Southern Cotton Oil Company. (See Davidson, Joseph, assignor.)						
Southern, James, deceased, Belleville, N. J.; J. J. Connell, administrator, assignor of one-half to W. H. Steinbrecher, New York, N. Y. Furnace for melting metals	760,495	May 24	3794	803	110	905
Southern, Leonard A., Stokesdale, N. C. Eye-protector for horses	749,405	Jan. 12	1752	371	108	417
Southern Stove Works. (See Hemingway, Arthur B., assignor.)						
Southgate, Louis W., Worcester, Mass., assignor, by mesne assignments, to Detroit Trust Co., trustee, Detroit, Mich. Web-manipulating mechanism	752,933	Feb. 23	4115	916	108	2008
Southark Foundry & Machine Company. (See Petsche, Gustav B., assignor.)						
Southwick, Charles A., Peabody, Mass. Automatic control for return-traps	749,973	Jan. 19	2877	616	108	676
Southwick, Osborne M., Flushing, N. Y. Vending-machine	775,256	Nov. 15	3450	728	113	819
Southwick, William S., assignor to Draper Company, Hopedale, Mass. Take-up mechanism for looms	778,612	Dec. 27	4264	930	113	2394
Southworth, Henry E. (See Way and Southworth.)						
Southworth, Preston B., Hillsboro, Oreg. Egg-tester	752,806	Feb. 23	3832	860	108	1944
Souway, Joseph. (See Schmidt, Charles, assignor.)						
Sowinski, Anton, Chicago, Ill. Machine for sizing and varnishing moldings	773,555	Dec. 27	4148	903	113	2370

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Soylian, George. (See Quinn and Soylian.)						
Spacie, Thomas, Globe, Ariz. Ter. Skate	757,240	Apr. 12	2942	446	109	1735
Spadone, Alfred A., New York, N. Y. Stair-tread	777,556	Dec. 13	3144	469	113	1816
Spaeth, Gustave A., Columbus, Ohio. Collar-button	765,862	July 26	3942	841	111	897
Spalckhaver, William, Brooklyn, assignor to R. Hoe, New York, N. Y. Web-printing machine	752,807	Feb. 23	3833	560 861	108	1944
Spalckhaver, William, assignor to R. Hoe, New York, N. Y. Sheet-delivery mechanism	755,068	Mar. 22	3666	805	109	853
Spalckhaver, William, assignor to R. Hoe, New York, N. Y. Trip mechanism	758,709	May 3	257	51	110	67
Spalding, Chester M., Schenectady, N. Y., assignor to General Electric Company. Connecting-rod	767,772	Aug. 16	3278	691	111	1804
Spalding, Frank, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Micrometer-calipers	760,764	May 24	4355	925	110	1026
Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Depth-gage	761,328	May 31	5494	1169	110	1288
Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Combination-tool	763,076	June 21	2899	625	110	2108
Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer-calipers	769,196	Sept. 6	169	27	112	25
Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer-calipers	769,197	Sept. 6	110	28	112	25
Spalding Manufacturing Company. (See Reach, Robert, assignor.)						
Spalding, William W., New York, N. Y. Bottle-cleaning device	772,732	Oct. 18	3118	679	112	1668
Spang, Henry W., assignor to J. R. Fancher, New York, N. Y. Electric circuits and apparatus for railway signaling	775,461	Nov. 22	3893	823	113	936
Spangenberg, Alfred, Plainfield, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Ratchet mechanism	764,311	July 5	800	164	111	176
Spangenberg, Samuel A., Belleville, Canada. Hair-curler	765,863	Feb. 26	3942	841	111	897
Spangler, Charles H., Atlanta, Ga. Trolley-pole	776,954	Dec. 6	987	213	113	1644
Spangler, John H., Canton, assignor to A. M. Miller, Pittsburg, Pa. Household tool	749,110	Jan. 5	1127	239	108	261
Spangler, Samuel C., Clyde, assignor of one-half to O. P. and J. A. Swenson, Medford, Okla. Ter. Friction-gear	751,878	Feb. 9	2038	481	108	1512
Spangler, Siramion S., Terre Haute, Ind. Curtain-pole and shade hanger	752,425	Feb. 16	3108	689	108	1767
Spangler, William L., Dayton, Ohio. Rotary explosive-engine	778,082	Dec. 30	3218	708	113	2152
Spanier, Henry J. (See Spanjer, William H. and H. J.)						
Spanjer, William H. and H. J., Newark, N. J. Folding seat	755,183	Mar. 22	3866	853	109	895
Sparks, Charles F., Alton, Ill., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Machine for turning bags	775,996	Nov. 29	4994	1053	113	1193
Sparks, Fred C., assignor of one-half to A. S. Burnell, Marshalltown, Iowa. Metal fabric or matting	760,164	May 17	3182	667	110	750
Sparks, Henry O., Shelbyville, Mo. Portable grain-elevator	773,820	Nov. 1	538	118	113	124
Sparks, John C., Mechanicsville, S. C. Fertilizer-distributor	771,104	Sept. 27	3783	798	112	901
Sparks, Lorenzo H., Warren, Ohio. Sash-lock	759,642	May 10	2151	442	110	504
Sparks, Manley A., Huntsville, Ala. Dental process	764,871	July 12	1994	411	111	453
Sparks, Oliver F. (See Sparks, William E. and O. F.)						
Sparks, Spencer N., assignor of one-half to S. A. Bostwick, Everett, Wash. Non-refillable bottle	760,496	May 24	3797	804	110	905
Sparks, W. B. (See Goode, Frank R., assignor.)						
Sparks, William E. and O. F., New Haven, Conn. Lock	764,014	July 5	193	34,35	111	47
Sparr, Benjamin F., New York, N. Y. Safe	769,240	Sept. 6	198	48	112	44
Sparrow, Joseph C., et al., executors. (See Paton, James.)						
Sparrow, William K., Brooklyn, N. Y. Card-index	759,483	May 10	1841	371	110	438
Sparrow, William P. (See Reighley and Sparrow.)						
Spaulding, Charles F., Chicago, Ill. Coking coal	769,241	Sept. 6	200	48	112	44
Spaulding, Charles H., Brilliant, Ohio. Wrench	778,807	Dec. 27	4625	1010	113	2476
Spaulding, James H., Wake Forest, N. C. Locking device for buckles	768,798	July 26	3831	816	111	872
Spaulding, Nathan R., Monroeville, Ind. Heating-stove	748,995	Jan. 5	863	185	108	200
Spear, Arthur E., et al. (See Lewis, Albert H., assignor.)						
Spear, Edwin H., New York, N. Y. Turnstile-controlled ticket printing and discharging apparatus	773,267	Oct. 25	4296	909 (1027)	112	1955
Spear, Edwin H., New York, N. Y., assignor to F. S. M. Syndicate, Limited, London, England. Cash-receiving, change-giving, and controlling apparatus for turnstiles	761,015	May 24	4837	1028 (1029)	110	1129
Spear, Edwin H., New York, N. Y., assignor to F. S. M. Syndicate, Limited, London, England. Cash-receiving and change-making apparatus for turnstiles	761,016	May 24	4859	1030 (1031)	110	1134
Spear, Edwin H., New York, N. Y., assignor to F. S. M. Syndicate, Limited, London, England. Turnstile apparatus	761,017	May 24	4875	1032 (1033)	110	1136
Spear, Edwin H., New York, N. Y., and E. Moriarty, assignors to F. S. M. Syndicate, Limited, London, England. Machine for receiving, delivering, sorting, registering, and detecting coins	750,718	Jan. 26	4273	928 (929) 930 931	108	993
Spear, Ellis, et al., trustees. (See Cahill, Thaddens, assignor.)						
Spear, Fannie G. and R. O., Quincy, Ill. Skirt-holder	756,149	Mar. 29	5712	1261	109	1314
Spear, John H., Springfield, Mass. Spoke-have	752,365	Feb. 16	2976	663	108	1740
Spear, Lawrence Y. (See Cable and Spear.)						
Spear, Lawrence Y., Greenport, N. Y., assignor to Electric Boat Company. Altiscope for submarine boats	749,754	Jan. 19	2471	526	108	588
Spear, Lawrence Y., Greenport, N. Y., assignor to Electric Boat Company. Altiscope or the like	749,755	Jan. 19	2472	527	108	588
Spear, Lawrence Y., Greenport, N. Y., assignor to Electric Boat Company. Altiscope or the like	751,569	Feb. 9	1455	330	108	1387
Spear, Lawrence Y., Greenport, assignor to Electric Boat Company, New York, N. Y. Ventilator for submarine boats	762,498	June 14	1730	372	110	1833
Spear, Lawrence Y., Greenport, assignor to Electric Boat Company, New York, N. Y. Buoyancy-regulating apparatus for submarine boats	772,970	Oct. 25	3537	765 766	112	1780
Spear, Lawrence Y., Greenport, assignor to Electric Boat Company, New York, N. Y. Compensating device for submarine boats	778,339	Dec. 27	3729	814	113	2280
Spear, Royal O. (See Spear, Fannie G. and R. O.)						
Spear, William, Tyler, Tex. Weather-boarding apparatus	774,114	Nov. 1	1147	245	113	260
Speare, Edward R., et al. (See Morse, William M., assignor.)						
Speare, Lewis R., et al. (See Morse, William M., assignor.)						
Spears, Hart T., Henrietta, Mich. Self-oiling journal-box	767,845	Aug. 16	3438	726	111	1837
Spears, Henry H., Louisville, Ky. Machine for pressing concrete bricks	777,155	Dec. 13	3372	302	113	1747
Specht, Adolph, New York, N. Y. Paper pattern	778,464	Feb. 27	3993	869	113	2337
Specht, George W., and W. P. Wetzler, Allegheny, Pa. Ball-rack	751,814	Feb. 9	1919	436	108	1485

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Speck, Benjamin W., Uhrichsville, Ohio. Telephone and signal apparatus for railway-trains.....	768,547	Aug. 23	4084	1003	111	2192
Speckman, Charles H., Philadelphia, Pa. Calculator.....	767,087	Aug. 9	1971	411	111	1499
Spector, Jacob L., Chicago, Ill. Adjustable cigar-band.....	771,381	Oct. 4	217	49	112	1007
Speechley, William R., Broadheath, England, assignor to Mergenthaler Linotype Company, New York, N. Y. Means for producing notches in linotypes or slugs as they are cast in linotype-machines.....	754,619	Mar. 15	2816	615	109	648
Speed, James B. (See Isaacs and Speed.)						
Speed, William S., Louisville, Ky. Lime or cement kiln.....	772,184	Oct. 11	1958	432	112	1392
Speelman, Allen T., Crestline, Ohio. Tool for removing or replacing incandescent-electric-light bulbs.....	750,408	Jan. 26	3691	801	108	872
Speer, Clyde A., and E. C. Bowman, Los Angeles, Cal. Pneumatic hammer.....	749,808	Jan. 19	2563	1545	108	609
Speer, Robert G., St. Louis, Mo. Oil-burner.....	757,421	Apr. 12	2417	527	109	1873
Speer, Robert S., Sedgwick, Kans. Boot or shoe polishing machine.....	773,432	Oct. 25	4618	981	112	2029
Speight, Richard H., Jr. (See Bridgers, Hall R., assignor.)						
Speigle, Vern, Brokenword, Ohio. Sawing appliance.....	754,356	Mar. 8	2215	465	109	570
Spir, Allison H., Kissimmee, Fla. Car-stake.....	753,643	Mar. 1	180	109	109	160
Spir, James, Harrogate, England. Bicycle holder or support.....	774,995	Nov. 15	2869	612	113	679
Speirs, Charles W., assignor to Morgan Crucible Company, Limited, Battersea, London, England. Crucible-furnace.....	765,299	July 19	2783	1580	111	638
Speirs, John C. (See Ritchie, George W., assignor.)						
Speirs, John C., and H. E. Dey, assignors to Autocar Company, Ardmore, Pa. Universal joint.....	768,200	Aug. 23	4228	888	111	2033
Speller, Frank N., McKeesport, Pa. Recording-pyrometer.....	773,684	Nov. 1	293	65	113	69
Speller, Frank N., McKeesport, Pa. Recording-calorimeter for gas.....	774,341	Nov. 8	1559	334	113	367
Spelman, Mark R., New York, N. Y. Composite fuel and making same.....	776,365	Nov. 29	5693	113	113	1554
Spelman, William H., et al. (See Schmidt, Frederick M., assignor.)						
Spence, Aaron T. (See Barnes, Harry C., assignor.)						
Spence, Harry, assignor of three-fourths to G. B. and L. B. Goodall and J. Hollinrake, Sanford, Me. Flier.....	773,268	Oct. 25	4302	909	112	1956
Spence, Howard, Manchester, England. Making sulfide of aluminium.....	754,834	Mar. 15	3215	109	109	737
Spence, Howard, assignor to P. Spence & Sons, Limited, Manchester, England. Titanous compound and making same.....	758,710	May 3	3260	51	110	68
Spence & Sons, Peter. (See Spence, Howard, assignor.)						
Spencer, Charles E. (See Vandercreek, Frank E., assignor.)						
Spencer, Charles H., Kendall, Kans. Gate-faster.....	754,357	Mar. 8	2216	495	109	500
Spencer, Charlie F., Alexandria Bay, N. Y. Coupling for sectional conveyer-spouts.....	737,573	Apr. 19	2744	599	109	1560
Spencer, Frederick W. (See Armstrong, George P., assignor.)						
Spencer, George, Somerville, assignor to Crosby Steam Gage & Valve Co., Boston, Mass. Pressure-gage.....	764,015	July 5	195	35	111	47
Spencer, George, Somerville, assignor to Crosby Steam Gage & Valve Co., Boston, Mass. Pressure-gage.....	764,016	July 5	196	35	111	47
Spencer, George W., and A. Lynde, Atlantic City, N. J. Speaking figure.....	748,806	Jan. 5	471	106	108	106
Spencer, George M., and C. J. Grellner, St. Louis, Mo. Fluid-pressure brake.....	754,908	Mar. 15	3371	737	109	770
Spencer, George M., and C. J. Grellner, St. Louis, Mo. Double-acting equalizing-cylinder for fluid-pressure systems.....	772,842	Oct. 18	3369	714	112	1702
Spencer, George W., and A. Lynde, Atlantic City, N. J. Speaking figure.....	754,835	Mar. 15	3215	701	109	737
Spencer, Harry M., Dunmore, Pa. Coal separator and washer.....	733,440	Mar. 1	118	97, 98	109	91
Spencer, Harry S. (See Thomas and Spencer.)						
Spencer, Harry S., Bondhill, assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Dovetailing-machine.....	749,458	Jan. 12	1875	1389	108	440
Spencer, Harry S., Norwood, assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Hollow-chisel mortising-machine.....	756,725	Apr. 5	1019	226	109	1559
Spencer, Harry S., Norwood, assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Mortising-machine.....	767,504	Aug. 16	2788	583	111	1697
Spencer, Ira H., Hartford, Conn. Variable-speed device.....	751,958	Feb. 9	2198	1495	108	1547
Spencer, Ira H., Hartford, Conn. Motor.....	753,644	Mar. 1	807	180	109	176
Spencer, Ira H., assignor to Organ Power Company, Incorporated, Hartford, Conn. Hydraulic motor pump.....	764,156	July 5	496	96	111	105
Spencer, Ira H., Hartford, and J. W. Simpson, Waterbury, Conn. Fluid-pump.....	756,908	Apr. 12	1372	306	109	1631
Spencer, James H., New York, N. Y. Safety device for electrically-propelled vehicles.....	767,316	Aug. 9	2398	501	111	1590
Spencer, Jesse F., Philadelphia, Pa. Mold.....	748,996	Jan. 5	864	185	108	201
Spencer Lens Company. (See Dieckmann, Carl F., assignor.)						
Spencer, Richard F., et al. (See McDowell, George P., assignor.)						
Spencer, Samuel E., assignor of one-half to B. B. Waite, Springfield, N. Y. Tire-inflating pump.....	776,366	Nov. 29	5694	1205	113	1354
Spencer, Wilbur L. L. (See Manwaring, Leverett A., assignor.)						
Spencer, William L. (See Boedefeld, Franz S., assignor.)						
Spencer Wire Company. (See Germain, Peter H., assignor.)						
Spengler, Charles C., Rockford, Ill. Change-maker.....	766,001	July 26	4205	897	111	955
Spengler, Charles C., Rockford, Ill. Locking device for cash-registers.....	766,070	July 26	4332	928	111	962
Spengler, Charles C., Rockford, Ill. Garment supporter and holder.....	773,880	Dec. 27	3813	832	113	2358
Spengler, Franz, Berlin, Germany.....	755,406	Mar. 22	4285	947	109	985
Spengler, Henry, New York, N. Y. Pencil.....	764,312	July 5	801	164	111	177
Spengler, John H., et al. (See Linton, Ernest O., assignor.)						
Sperber, John, Pittsburg, Pa. Saw-set.....	761,720	June 7	198	38	110	1482
Sperl, Antonin, Los Angeles, Cal. Band-brake for vehicles.....	769,416	Sept. 6	550	120	112	124
Sperle, Charles H., Boundbrook, N. J. Incubator-brooder.....	769,505	Sept. 6	724	156	112	164
Sperling, Abraham, New Orleans, La. Winding-indicator.....	776,955	Dec. 6	988	213	113	1645
Sperry, Charles D. (See Sperry, Julius H., assignor.)						
Sperry, Elmer A. (See Lyndon and Sperry.)						
Sperry, Elmer A., Cleveland, Ohio. Logarithmic calculator.....	773,235	Oct. 25	4223	896	112	1940
Sperry, Elmer A., Cleveland, Ohio. Storage battery electrode and making same.....	773,688	Nov. 1	295	113	113	70
Sperry, Elmer A., Cleveland, Ohio. Storage battery.....	773,686	Nov. 1	296	66	113	70
Sperry, Elmer A., Cleveland, Ohio, assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. System of electrical generation, distribution, and control.....	750,497	Jan. 26	3853	887	108	907
Sperry, Elmer A., Cleveland, Ohio, assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. Power-transmitting mechanism.....	750,498	Jan. 26	3860	888	108	908
Sperry, Elmer A., Cleveland, Ohio, assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. Power-transmitting mechanism.....	750,499	Jan. 26	3865	889	108	910

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Sperry, Elmer A., Cleveland, Ohio, assignor to National Battery Company, Jersey City, N. J., and Buffalo, N. Y. System of electrical generation, distribution, and control.	750,300	Jan. 26	3868	840	108	910
Sperry, Elmer A., Cleveland, Ohio, assignor, by mesne assignments, to American Electric and Controller Company. Frictional driving mechanism.	767,604	Aug. 16	2986	624	111	1740
Sperry, Elmer A., Cleveland, Ohio, assignor, by mesne assignments, to Morgan Electric Machine Company of West Virginia, Chicago, Ill. Electric-railway system.	772,679	Oct. 18	2950	647	112	1633
Sperry, Elmer A., Cleveland, Ohio, assignor, by mesne assignments, to Morgan Electric Machine Company of West Virginia, Chicago, Ill. Rack-rail for locomotives.	772,680	Oct. 18	2956	648	112	1635
Sperry, Elmer A., Cleveland, Ohio, assignor to Morgan Electric Machine Company, East Chicago, Ind. Rack-rail.	772,971	Oct. 25	3540	1766	112	1781
Sperry, Herbert B., Springfield, Ohio. Mower.	767,359	Aug. 9	2410	518	111	1607
Sperry, Herbert B., Springfield, Ohio, assignor to International Harvester Company. Thrill attachment for mowers.	766,900	Aug. 9	1616	339	111	1419
Sperry, Julius H., New York, N. Y., assignor to himself, and C. D. Sperry, Plainfield, N. J. Pillow, cushion, or like article.	765,519	July 19	3249	680	111	739
Sperry, Norman, Seymour, Conn. Auger-bit.	762,096	June 7	931	193	110	1639
Sperry, Charles F., assignor of two-thirds to L. A. Weyburn, Rockford, Ill. Nut-lock.	755,806	Mar. 29	5062	1124	109	1171
Speyer, John, Cascade, Mich. Wrench.	749,237	Jan. 12	1401	300	108	341
Spicer, Charles W., Washington, D. C. Game or puzzle.	771,943	Oct. 11	1462	332	112	1284
Spicer, Clarence W., Ithaca, N. Y. Incased universal joint.	768,407	Aug. 23	4660	976	111	2135
Spiegel, Carl, St. Petersburg, Russia. Furnace for melting metals or other purposes.	767,179	Aug. 9	2157	1448	111	1537
Spiegel, Charles, and H. Moehring, St. Petersburg, Russia. Elastic washer for rail-joints.	770,987	Sept. 27	3544	747	112	850
Spiegel, Leopold, Charlottenburg, Germany. Soluble compound of iron and arsenic and making same.	768,886	Aug. 30	5654		111	2370
Spiegel, William G., assignor of two-thirds to S. H. Carney, New York, and W. Watt, Brooklyn, N. Y. Key mechanism for key-actuated instruments.	765,640	July 19	3468	732	111	735
Spiegel, William G., assignor of two-thirds to S. H. Carney, New York, N. Y., and W. Watt, Elizabeth, N. Y. Type-writer-actuating mechanism.	765,799	July 26	3632	817	111	873
Spiegelberg, Wilhelm, Oshkosh, Wis. Convertible stool and cane.	767,252	Aug. 9	2288	479	111	1566
Spiegle, Frederick M., New York, N. Y. Roller-screen.	766,541	Aug. 2	813	171	111	1219
Spiehlmann, Adolph, Philadelphia, Pa. assignor to Wilcox and Gibbs Sewing Machine Company, New York, N. Y. Cord-guide for overseam-ing-machines.	762,100	June 7	932	193	110	1639
Spiehlmann, Charles, assignor to Wm. A. Force & Company, New York, N. Y. Numbering-machine.	762,101	June 7	933	193	110	1640
Spies, Charles, New York, N. Y. Shirt-waist holder.	764,000	Nov. 1	1937	104	113	213
Spillane, Frank, New York, N. Y. Calendar for pencils, &c.	770,613	Sept. 20	2804	536	112	606
Spillane, William T., Redlake Falls, Minn. Broom-holder.	766,234	Apr. 5	204	43	109	1368
Spiller, Harry A., assignor, by mesne assignments, to Algonquin Electric Brake Corporation, Boston, Mass. Railway-brake.	753,299	Mar. 8	1437	323	109	331
Spiller, Joseph, New York, N. Y. Safety gas-burner.	770,830	Sept. 27	3250	685	112	782
Spiller, William H., assignor to Wilcox Manufacturing Company, Aurora, Ill. Trolley-track rail.	762,955	June 21	2675	579	110	2058
Spiller, William H., assignor to Wilcox Manufacturing Company, Aurora, Ill. Trolley-wire support.	772,298	Oct. 11	2190	479	112	1448
Spillman, William F., Sr., Paducah, Ky. Timber-joint for guard-rails or the like.	763,933	June 28	4578	1000	110	2491
Spink, Fenton E., Cleveland, Ohio. Ball-game apparatus.	773,167	Oct. 25	4100	867	112	1912
Spink, William. (See Francis, Morton, and Spink.)						
Spinaud, Max, and H. Buchting, New York, N. Y. Electrically-operated railway-gate.	750,068	Jan. 19	3068	659	108	715
Spiral Belt Separator Co. (See Jessup, Robert W., assignor.)						
Spiro, Julius, New York, N. Y. Fire-escape.	749,406	Jan. 12	1753	371	108	417
Spitt, John F., Allegheny, Pa. Non-releasable bottle.	775,786	Nov. 22	4563	967	113	1081
Spitzer, Emanuel, Munich, Germany. Photomechanical printing.	758,338	Apr. 26	4261	109	111	2311
Spivey, Charles, Sutton, Nebr. Flood-gate for fences crossing streams.	751,023	Feb. 2	444	105	108	1155
Spivey, Russell E., Oneida, Ill. Calculating-machine.	764,387	July 5	987	199	111	219
Spittdorf, Charles F. (See Hart, William J., assignor.)						
Spittdorf, Charles F., New York, N. Y. Induction-coil.	752,008	Feb. 9	2313	517	108	1571
Spittdorf, Charles F., New York, N. Y. Coil-casing.	759,927	May 17	2693	566	110	640
Spittdorf, Charles F., New York, N. Y. Tensional lock for adjusting-screws.	770,194	Sept. 13	2001	422	112	466
Spittdorf, Charles F., New York, N. Y. Vibrator.	772,438	Oct. 18	2184	544	112	1534
Spittdorf, Charles F., New York, N. Y., assignor to Electric Vehicle Company, Jersey City, N. J. Sparking plug.	773,168	Oct. 25	4108	867	112	1912
Spittdorf, John, New York, N. Y. Induction-coil.	771,332	Oct. 4	218	49	112	1007
Spittdorf, John, New York, N. Y. Condenser.	774,115	Nov. 1	1150	245	113	260
Spoerl, Johann H., Düsseldorf, assignor to Moriz & Kummer, Berlin, Germany. Apparatus or folding, piling, and cutting paper, &c.	771,504	Oct. 4	553	125	112	1076
Spoehn, Henry, Millersburg, Ohio. Haler.	778,511	Dec. 27	4074	888	113	2354
Spoehn, Hermann H., assignor to Carter's Ink Company, Boston, Mass. Ink.	769,774	Sept. 13	1212		112	392
Spoehn, William W., Dale township, McLean county, Ill. Clamp for fastening snaps to leather lines.	764,358	Mar. 8	2917	495	109	501
Sponenberg, Hiram H. (See Lane and Sponenberg.)						
Sponsel, Charles W., Hartford, Conn. Hydrocarbon-burner.	762,664	June 14	2070	448	110	1907
Sponsel, Charles W., assignor of one-half to C. F. Taylor, Hartford, Conn. Machine for inspecting nails.	766,200	Aug. 2	90	17	111	1061
Sponsel, Charles W., assignor of one-half to C. F. Taylor, Hartford, Conn. Magnetic chuck.	766,201	Aug. 2	104	19	111	1064
Sponseller, John E., Hoisington, Kans. Band-cutter and feeder for threshing-machines.	759,322	May 10	1520	306	110	366
Sponseller, John H. (See Weckman, Henry W., assignor.)						
Spoon, William L., Coble township, Alamance county, N. C. Baling fibrous material.	776,956	Dec. 6	990	213	113	1645
Spooner, Allen N., New York, N. Y. Support for incandescent mantles.	760,814	May 24	4460	949	110	1048
Spoore, George. (See Massey and Spooner.)						
Spoore, Ransom R., Kent, Ohio. Railway-tie.	765,050	July 12	2337	485	111	525
Spoore, Ransom R., Kent, Ohio. Railway-tie.	768,449	Aug. 23	4512	949	111	2094
Sporborg, Henry N., Rugby, England, assignor to General Electric Company. Electric railway.	764,388	July 5	990	200	111	219
Spore, William M., Argenta, Ill. Explosive compound.	762,446	June 14	1620		110	1810
Spragins, James E., McCreek, Ala. Cultivator.	776,367	Nov. 29	5095	1205	113	1355
Spragins, George W., Grand Island, Nebr. Valve-gear.	767,505	Aug. 16	2790	353	111	1696

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Sprague Canning Machinery Company. (See Utery, Frank S., assignor.)						
Sprague Electric Company. (See Carichoff, Eugene R., assignor.)						
Sprague Electric Company. (See Hill, George H., assignor.)						
Sprague Electric Company. (See Sprague, Frank J., assignor.)						
Sprague, Frank J., Oswego, N. Y. Electrically-controlled damper for heaters.	765,686	July 26	3582	760	111	824
Sprague, Frank J., New York, N. Y., assignor to Sprague Electric Company, Bloomfield, N. J. Electrical coupling.	774,611	Nov. 8	2053	448	113	472
Sprague, Henry A., Birnamwood, Wis. Milking-stool.	751,557	Feb. 2	1085	245	108	1238
Sprague, James H., Norwalk, Ohio. Canopy-support.	778,381	Dec. 27	3814	335	113	2292
Sprague, James H., Norwalk, Ohio. Umbrella-joint.	778,765	Dec. 27	4541	994	113	2457
Sprague, John H., Seattle, Wash. Vacuum-lifter.	762,499	June 14	1731	372	110	1834
Sprague, Joseph W., Poncho Springs, Colo. Wolf-trap.	754,511	Mar. 15	2625	569	109	610
Sprague, Lawrence W., Greenville, Mich. Voting-table and ballot-box.	753,526	Mar. 1	592	134 135	109	129
Spratley, Thomas L. (See Wade, William M., assignor.)						
Spratt, Albert, Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Pipe joint or coupling.	748,807	Jan. 5	473	106	108	106
Spratt, Albert, Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Pipe joint or coupling.	748,808	Jan. 5	474	106	108	106
Spray, James H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Inflation-valve.	760,910	Aug. 9	1617	340	111	1420
Sprenger, Louis A. (See Hoffman, Sprenger, and Weber.)						
Sprich, Emil, St. Louis, Mo. Car-fender.	750,719	Jan. 26	4309	931 932	108	1002
Springall, Walter A., San Antonio, Tex. Incandescent lamp.	750,720	Jan. 26	4310	932	108	1002
Springborn, Albert J., Cleveland, Ohio. Selective party-line telephone system.	761,616	May 31	6013	1291	110	1407
Springer, Calvin J., Somerville, Mass. Electric apparatus for measuring and recording intervals of time.	754,020	Mar. 8	1603	357	109	370
Springer, Calvin J., Somerville, Mass. Speed and distance measurer and indicator.	764,017	July 5	198	36	111	48
Springer, Delbert P., Waverly, N. Y. Rail-joint.	778,716	Dec. 27	4447	972	113	2437
Springer, Richard, Philadelphia, Pa. Rail-joint.	761,423	May 31	5674	1208	110	1330
Springer, Thomas H., Washington, D. C. Centrifugal liquid-separator.	754,909	Mar. 15	3572	737	109	771
Springer, Thomas H., Philadelphia, Pa. Centrifugal liquid-separator.	759,136	May 3	1078	219	110	245
Springfield Metallic Casket Company. (See Hiser, Charles H., assignor.)						
Springmeyer, Gustav A., assignor of one-half to D. M. Sarkisian, New York, N. Y. Curtain-rain.	771,944	Oct. 11	1463	332	112	1284
Sprong, Severn D., assignor of one-half to J. H. Harnden, New York, N. Y. Clutch mechanism.	760,577	May 24	3955	839	110	941
Sprotte, Edward, St. Louis, Mo. Tuning attachment for stringed instruments.	753,327	Mar. 1	206	46	109	47
Spruance, Daniel C. (See Cross, Charles F., assignor.)						
Spry, Daniel T., Plymouth township, Cass county, Iowa. Wheel for traction-engines.	771,945	Oct. 11	1464	332	112	1284
Surgin, Robert, Chicago, Ill. Letter-copying bath.	758,711	May 3	261	52	110	68
Surplin, Ivory, Marietta, Ind. Extension ironing table or board.	775,070	Nov. 15	3023	642	113	715
Surpuck, John W., Tyty, Ga. Apparatus for wood distillation.	751,098	Feb. 9	1085	382	108	1435
Spurr, James, Lima, Ohio. Car-axle box.	758,483	Apr. 26	4527	973	109	2371
Squire, George E., Bellingham, Wash. Bracket.	776,764	Dec. 6	599	130	113	1558
Squires, Arthur C., Akron, Ohio. Machine for making dress-shields.	771,677	Oct. 4	902	203 204	112	1132
Squires, Charles E., assignor to C. E. Squires Company, Cleveland, Ohio. Steam-trap.	775,943	Nov. 29	4890	1033	113	1167
Squires, Charles W. and J. B., Springfield, Mass. Electric track-switch-operating mechanism.	760,656	May 24	4121	875 876	110	976
Squires Company, C. E. (See Squires, Charles E., assignor.)						
Squires, James B. (See Squires, Charles W. and J. B.)						
St. Clair, George W., Lexington, Ky. Sulky.	757,575	Apr. 19	2749	600	109	1961
St. Clair, Oscar C., Chicago, Ill. Commercial instrument and book.	764,262	July 5	707	142	111	157
St. Clair, William F. (See Smith and St. Clair.)						
St. Clair, William F., Owatonna, Minn. Cash-register.	775,198	Nov. 15	3257	702	113	775
St. George-Moore, Richard S., Westminster, London, England. Railway-switch or the like.	770,614	Sept. 20	2805	596 597	112	666
St. Hilaire, Napoleon J., Gardner, Mass. Self-locking hinge.	753,443	Mar. 1	421	99	109	91
St. John, Frank W., Coshocton, Ohio. Means for supporting telephone-receivers.	771,946	Oct. 11	1465	333	112	1284
St. John, Gamaliel C., executor. (See Andrews, Wallace C.)						
St. John, Gamaliel C., et al. (See Sauvage, William H., assignor.)						
St. John, John C., Boston, Mass. Type-writing machine.	767,607	Aug. 16	2994	625	111	1742
St. Ledger, Joseph J., Philadelphia, Pa. Geographical clock.	773,238	Oct. 25	4241	897	112	1942
St. Louis Car Company. (See Kohout, Ferdinand, assignor.)						
St. Louis Car Company. (See Robinson, Edward T., assignor.)						
St. Louis Car Company. (See Smith, George J., assignor.)						
St. Louis Car Company. (See Vogel, Henry F., assignor.)						
St. Louis Car Company. (See Witte, Hubert, assignor.)						
St. Louis Computing Company. (See Stahlberg, Charles, assignor.)						
St. Louis, Francis X., and A. M. Jackson, Colusa, Cal. Voting-machine.	752,307	Feb. 16	2867	638 639	108	1715
St. Louis Plate Glass Company. (See Murnane, Daniel J., assignor.)						
St. Louis Plate Glass Company. (See Murnane and Davies, assignors.)						
St. Louis Street Flushing Machine Company. (See Wilson, James C., assignor.)						
St. Pierre, Auguste, Rivieres Trois Pistoles, Canada. Tie-plate.	754,025	Mar. 8	1613	359	109	372
Staab, Harry J., Snodsbury, Pa. Steam-engine.	768,548	Aug. 23	4996	1033 1034	111	2193
Stacey, James E. (See Kaiser, Oliver B., assignor.)						
Stacey, John W., Dallas, Tex. Convertible mixing and cleaning machine.	764,157	July 5	488	96, 97	111	106
Stack, Thomas L. F., Drumquin, Ireland. Lifting mechanism.	750,469	Jan. 26	3692	801	108	872
Stack, Thomas L. F., Drumquin, Ireland. Apparatus for treating milk.	778,717	Dec. 27	4448	972 973 974	113	2437
Stacy, James N., Portland, Oreg. Machine for sealing envelops and mailable matter and affixing stamps thereto.	757,574	Apr. 19	2744	600 135 136 137	109	1960
Stadel, John M., assignor of one-half to W. A. McCowen, Wilmington, Del. Gas-engine.	753,527	Mar. 1	596	137	109	130
Stadelmann, Hermann, Jr., Apolda, assignor of one-half to L. Dreyfus, Frankfurt-on-the-Main, Prussia, Germany. Apparatus for signaling on locomotives.	749,111	Jan. 5	1129	239 240 241	108	261
Stadler, Michael, Chicago, Ill. Machine for grooving wire mandrels.	775,613	Nov. 22	4229	891 892	113	1011
Stadtmueller, Max F., Pomeroy, Iowa. Journal-bearing.	760,033	May 17	2912	609	110	699
Stadtmueller, Max F., Pomeroy, Iowa. Compensating journal-bearing.	763,077	June 21	2900	626	110	2108

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Stafford, Frank R., Providence, R. I. Finger-ring	764,504	July 5	1224	251	111	268
Stafford, Frank R., Providence, R. I. Finger-ring	769,668	Sept. 6	999	216	112	227
Stafford, Frank R., Providence, R. I., assignor to Stafford Ring Company, Saco, Me. Tube-cutting machine	771,752	Oct. 4	1038	231	112	1181
Stafford, James M. (See Atkinson, Norman E., assignor.)						
Stafford, James M., Petersburg, Ind. Fire-escape	753,930	Mar. 8	1440	323	109	332
Stafford Ring Company. (See Stafford, Frank R., assignor.)						
Stafford, Samuel E., Philadelphia, Pa., assignor to National Umbrella Frame Company. Connection for umbrella-stretchers	777,980	Dec. 30	3031	667	113	2112
Stafford, Terry. (See Smith and Stafford.)						
Stafford, Thomas J., Audubon, Iowa. Ventilator attachment for stovepipes	770,329	Sept. 20	2291	481	112	553
Stafford, W. C. (See Sims, John R., assignor.)						
Stafford, Walter, and R. C. Holt, Littlefalls, N. Y. Circular-knitting machine	759,928	Mar. 17	2605	566	110	640
Stagg, Thomas D., Selby, England. Wheel	755,069	May 22	3668	805	109	854
Staggs, Emmy. (See Staggs, Sylvester E., assignor.)						
Staggs, Sylvester E., assignor of one-half to E. Staggs, New York, N. Y. Artificial limb.	772,753	Oct. 18	3119	679 680	112	1669
Stahl, Erasmus. (See Eggers and Stahl.)						
Stahl, Frank, Wyndmoor, Pa., assignor to Nelson Valve Company. Valve	763,123	June 21	2981	643	110	2125
Stahl, George. (See Hill and Stahl.)						
Stahl, Hugo, Stuttgart, Germany. Controlling device for electrical lifts or hoisting mechanisms	770,873	Sept. 27	3321	700 701	112	798
Stahl, Marion M., Tarrytown, N. Y. Mirror attachment for pianos	759,040	May 3	904	184	110	207
Stahl, William F. (See Outhout and Stahl.)						
Stahlberg, Charles, St. Louis, Mo., assignor to St. Louis Computing Company. Adding-machine	771,505	Oct. 4	557	125 126 127	112	1076
Stalcup, Oscar D., Unionville, Mo. Hay-stacker	760,268	May 17	3360	707	110	790
Staley, Albert P. (See Staley, David F., assignor.)						
Staley, David F., assignor of one-half to A. P. Staley, Highpoint, N. C. Pallet-jewel-setting device	755,070	Mar. 22	2670	806	109	854
Staley, James M., Reading, Pa. Pin	773,512	Dec. 27	4075	888	113	2335
Staley, Ora, Charlottesville, Ind. Cement-brick-making machine	772,635	Oct. 18	2965	629 630	112	1615
Staley, Ora, Charlottesville, and J. A. Johnson, Greenfield, Ind. Cement-brick-making machine	762,007	June 7	767	156 157	110	1605
Staley, Paul A. (See Krotz, Alvaro S., assignor.)						
Stall & Dean Mfg. Co. (See Stall, Walter T., assignor.)						
Stall, Walter T., assignor to Stall & Dean Mfg. Co., Brockton, Mass. Foot-ball trousers	759,765	May 10	2379	497	110	554
Stall, Walter T., assignor to Stall & Dean Mfg. Co., Brockton, Mass. Foot-ball trousers	759,833	May 10	2526	528	110	586
Stallings, Willie W., Milburn, Nebr. Operating mechanism for stringed instruments	760,932	May 24	4682	597 598	110	1095
Stambaugh, Charles W., assignor of one-half to J. P. Brown, Demorest, Ga. Reel	764,389	July 5	991	201	111	220
Stamer, Carl H., Hamburg, Germany. Shoe	767,016	Aug. 9	1814	331	111	1464
Stamm, August, New York, N. Y. Sad-iron support	767,506	Aug. 16	2792	583	111	1696
Stamm, Levi L., Almond, assignor to Bartz, Wygant and Brown, Incorporated, Horellsville, N. Y. Electric railway-brake	768,634	Aug. 30	5138	1079 1080	111	2255
Stamm, Louis B., San Francisco, Cal. Lasting-machine	762,209	June 7	1129	241 242	110	1684
Stamp, John G. (See Stamp, Thomas H., assignor.)						
Stamp, Thomas H., assignor to J. G. Stamp, Buffalo, N. Y. Air-injector	772,236	Oct. 25	4239	896	112	1942
Stamp, William, Salem, Ohio. Door-securing device	760,383	May 24	4687	926	110	1096
Stancliff, George W., Elcamo, Tex. Well-screen	772,843	Oct. 18	3272	714	112	1703
Standard Automatic Lubricator Company. (See Baird, Edgar W., assignor.)						
Standard Bottle-Cap Corporation. (See Heath, William E., assignor.)						
Standard Bottle Closure Company. (See Chapman, Earle E., assignor.)						
Standard Coupler Company. (See Gallagher, Richard D., Jr., assignor.)						
Standard Coupler Company. (See O'Neill, Charles J., assignor.)						
Standard Dry Kiln Company. (See Hussey, William P., assignor.)						
Standard Elevator Interlock Company. (See Mucklé, John S., assignor.)						
Standard Harrow Company. (See Burdick, Hiram M., assignor.)						
Standard Horse Nail Company. (See Pierce and Newton, assignors.)						
Standard Machine Company. (See Houseman, Harry A., assignor.)						
Standard Metal Furniture Company. (See Gillett, Vernon J., assignor.)						
Standard Oil Company. (See Burton, William M., assignor.)						
Standard Optical Company. (See Howland, Chauncey W., assignor.)						
Standard Paint Company. (See Rugen and Abraham, assignors.)						
Standard Piano Hammer and Felt Company. (See Wolf, Edmund T., assignor.)						
Standard Pressed Steel Company. (See Hallowell, Howard T., assignor.)						
Standard Railroad Signal Company. (See Renshaw and Lavarack, assignors.)						
Standard Rivet Company. (See Sherman, Thomas L., assignor.)						
Standard Sanitary Manufacturing Company. (See Dawes, Edward L., assignor.)						
Standard Sanitary Manufacturing Company. (See Gregg, Edgar F., assignor.)						
Standard Sanitary Manufacturing Company. (See Reed, John C., assignor.)						
Standard Sewing Machine Company. (See Diehl, Jacob, assignor.)						
Standard Sewing Machine Company. (See Mack, William A., assignor.)						
Standard Sewing Machine Company. (See Mills, Daniel, assignor.)						
Standard Stamping & Die Co. (See Hughes, Henry F., assignor.)						
Standard Steel Car Company. (See Anderson, Harry T., assignor.)						
Standard Steel Car Company. (See Caughey, Edward G., assignor.)						
Standard Steel Car Company. (See Christianson, Andrew, assignor.)						
Standard Steel Car Company. (See Stucki, Arnold, assignor.)						
Standard Tool Company. (See Farpart, Otto, assignor.)						
Stanford, Arthur L., Chicago, Ill. Rail-joint	775,386	Nov. 22	3728	791	113	898
Stang, Hans G. J., Oscarsborg, near Dröbak, Norway. Orograph instrument	770,988	Sept. 27	3545	747	112	850
Stange, Alfred, Dresden, Germany. Musical alarm-clock	767,605	Aug. 16	2990	624 625	111	1741
Stange, Cleora C., Yates Center, Kans. Marking and cutting device	748,997	Jan. 5	871	157	108	201
Stange, William C., Yates Center, Kans. Fastener device	753,175	Feb. 23	4564	1017	108	2108
Stanger, David, Glassboro, N. J. Game-board	757,976	Apr. 19	3513	762	109	2129
Stanger, Gustav A., East Brimfield, Mass. Auger	770,480	Sept. 20	2553	544	112	609
Stanhope, Philip W. (See Hutchings, Charles H., assignor.)						
Stanley, Charley H., Roror, Va., assignor of four-fifths to S. P. Brautigam, Seattle, and J. M. Comer, Spokane, Wash. Automatic switch	772,066	Oct. 11	1717	383	112	1942

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Stanley, Daniel, Elk City, Okla. Ter. Automatically-acting support for doors	771,733	Oct. 4	1043	232	112	1182
Stanley Electric Manufacturing Company. (See Adams, Charles F., assignor.)						
Stanley Electric Manufacturing Company. (See Anderson, John R., Jr., assignor.)						
Stanley Electric Manufacturing Company. (See Andrews, Leonard, assignor.)						
Stanley Electric Manufacturing Company. (See Canfield, Milton C., assignor.)						
Stanley Electric Manufacturing Company. (See Chesney, Cummings C., assignor.)						
Stanley Electric Manufacturing Company. (See Davison, George R., assignor.)						
Stanley Electric Manufacturing Company. (See Déri, Max, assignor.)						
Stanley Electric Manufacturing Company. (See Dodd, Samuel T., assignor.)						
Stanley Electric Manufacturing Company. (See Kilbourn, Washington H., assignor.)						
Stanley Electric Manufacturing Company. (See Lloyd, William J., assignor.)						
Stanley Electric Manufacturing Company. (See Lloyd and White, assignors.)						
Stanley Electric Manufacturing Company. (See Lloyd and Wright, assignors.)						
Stanley Electric Manufacturing Company. (See Lombard, Charles E., assignor.)						
Stanley Electric Manufacturing Company. (See Middleton, James F., assignor.)						
Stanley Electric Manufacturing Company. (See Nicholls, Francis V., assignor.)						
Stanley Electric Manufacturing Company. (See Rushmore, David B., assignor.)						
Stanley Electric Manufacturing Company. (See White, Harold C., assignor.)						
Stanley Electric Manufacturing Company. (See Wilson, Leonard, assignor.)						
Stanley Electric Manufacturing Company. (See Wright, Gilbert, assignor.)						
Stanley Electric Manufacturing Company. (See Wright and White, assignors.)						
Stanley, Francis E., Newton, Mass. Brake device for motor-vehicles	761,329	May 31	5496	1169	110	1288
Stanley, Francis E. and F. O., Newton, Mass. Vapor-burner	750,410	Jan. 26	3692	801	108	873
Stanley, Frederick W., McComb, Miss. Seed-planter	751,879	Feb. 9	2039	461	108	1512
Stanley, Freeman O. (See Stanley, Francis E. and F. O.)						
Stanley Instrument Company. (See De Lancy and Smith, assignors.)						
Stanley Instrument Company. (See Stanley, William, assignor.)						
Stanley, James, Newcastle, Ind. Windmill	748,998	Jan. 5	873	187	108	202
Stanley, James, Newark, N. J. Spreader for the legs of horses	751,115	Feb. 2	607	141	108	1190
Stanley, Merritt P., assignor to James A. Dubnar Manufacturing Co., Northville, Mich. Spring air-gun	767,968	Aug. 16	3684	777	111	1890
Stanley, Reginald, Nuneaton, England. Apparatus for use in connection with the manufacture of sanitary or other like pipes	759,402	May 10	1695	343	110	404
Stanley, Reginald, Nuneaton, England. Machine for molding sinks, lavatory-basins, &c., in earthenware	770,874	Sept. 27	3324	701	112	799
Stanley, Richard B., Boston, Mass., assignor to New System Ticket Company. Sales-checking apparatus	767,719	Aug. 16	3184	667	111	1783
Stanley Rule & Level Company. (See Bartholomew, Joseph P., assignor.)						
Stanley Rule & Level Company. (See Campbell, Arthur D., assignor.)						
Stanley Rule & Level Company. (See Richards, Francis H., assignor.)						
Stanley Rule & Level Company. (See Schade, Edmund A., assignor.)						
Stanley Rule & Level Company. (See Traut, Justus A., assignor.)						
Stanley, William, Great Barrington, Mass. Power transmission	767,773	Aug. 16	3279	692	111	1304
Stanley, William, assignor to Stanley Instrument Company, Great Barrington, Mass. Electric meter	762,358	June 14	1439	312	110	1770
Stanley, William B., Tiffin, Ohio. Post-selector	761,721	June 7	199	38	110	1482
Stanley Works. (See Burns, Edward, assignor.)						
Stanley Works. (See Hart, Walter H., assignor.)						
Stanley Works. (See Moore, Ethelbert A., assignor.)						
Stanley Works. (See Stark, George A., assignor.)						
Stannard, Bruce M., Bainbridge, N. Y. Clip	772,261	Oct. 11	2126	464	112	1434
Stannard, John E., Springfield, Mass. Electric signaling apparatus	753,760	Feb. 9	1803	411	108	1458
Stansbury, Garrett O., and E. Z. Cummins, Cherryvale, Kans. Fruit-picker	771,842	Oct. 11	1229	273	112	1236
Stansell, Donovan, and X. Gee, Stroud, Okla. Ter. Apparatus for cleaning cotton-seed	752,872	Feb. 23	3965	888	108	1974
Stansfield, Frank, Los Angeles, Cal. Facet-cutting machine	765,800	July 26	3834	817	111	873
Stant, George H., Connorsville, Ind. Axle-setter	759,766	May 10	2390	497	110	555
Stanton, Albert R. (See Groves and Stanton.)						
Stanton, Charles W., Mobile, Ala. Furnace for burning materials	767,180	Aug. 9	2159	449	111	1537
Stanton, Frank. (See Zumwalt and Stanton.)						
Stanton, John H., St. Catharines, Canada. Movable incandescent lamp or gas-light holder	775,504	Nov. 22	3975	839	113	954
Stanton, John P., San Francisco, Cal. Bass drum and cymbal attachment	774,530	Nov. 8	1918	416	113	444
Stanton, Orville B., Kansas City, Mo. Coupon-ticket	758,712	May 3	263	52	110	68
Stanwood, James B., Cincinnati, Ohio. Valve-gearing for steam-engines	754,620	Mar. 15	2818	615	109	649
Stapf, Frank F. (See Clark, Edward, assignor.)						
Staples, David H., Skowhegan, Me. Fluid-pressure coupling for air-brake valves	754,021	Mar. 8	1605	358	109	370
Staples & Hanford Company. (See Staples, John A., assignor.)						
Staples, John A., Newburgh, N. Y. Valve and regulating means therefor	774,972	Nov. 15	2810	603	113	663
Staples, John A., assignor to Staples & Hanford Company, Newburgh, N. Y. Spring-work	773,041	Oct. 25	3688	794	112	1813
Staples, John M., Philadelphia, Pa. Rail-joint	753,441	Mar. 1	419	98	109	91
Staples, Le Grand, Rondout, N. Y. Furniture-pad	777,700	Dec. 20	2427	533	113	1992
Staples, Sydney F., et al. (See Bishop and Down, assignors.)						
Staples, Waller R., Sistersville, W. Va. Adding-machine	770,875	Sept. 27	3325	702	112	799
Stapleton, Benjamin, and J. Ahern, Perry, Iowa. Automatic air-brake	751,024	Feb. 2	445	105	108	1156
Stapley, William S. (See Lyhne and Stapley.)						
Stapley, William S., assignor to Bridgeport Brass Company, Bridgeport, Conn. Sheet-metal faucet-spout	753,749	Mar. 1	1023	232	109	220
Star Brass Manufacturing Company. (See Bosworth, Charles B., assignor.)						
Star Brass Manufacturing Company. (See Sanderson, Richard P. C., assignor.)						
Starbuck, George F., Waltham, Mass. Car-buffer	751,212	Feb. 2	810	136	108	1230
Starbuck, John H., Pittsfield, Mass. Optician's pliers	764,212	July 5	625	127	111	139
Starch, Benjamin. (See Starch, Emil and B.)						
Starch, Emil and B., La Crosse, Wis. Cream-separator	752,334	Feb. 23	4119	917	108	2009
Stark, Ferdinand, New York, N. Y. Photographic lens for cameras	751,116	Feb. 2	609	141	108	1190
Stark, George A., assignor to Stanley Works, New Britain, Conn. Pintle-retainer for hinges	765,132	July 12	2537	530	111	566
Stark, Herbert S., Johannesburg, Transvaal. Extracting gold from ores, &c.	769,280	Sept. 6	286	112	112	62
Stark, James H., New York, N. Y. Men's neckwear	769,506	Sept. 6	726	157	112	164
Stark, Joseph H., and C. G. Barcus, Philadelphia, Pa. Photographic-printing apparatus	776,436	Nov. 29	5835	1233	113	1286

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Starkey, John. (See Grove, Richard, assignor.)						
Starkey, Warren L., Flatbush, N. Y., assignor, by mesne assignments, to American School Furniture Company. Adjustable school desk and seat. (Reissue.)	12,190	Feb. 23	4664	1098	108	2190
Starkie, Ridley, Buryley, England. Self-replenishing mechanism for looms for weaving.	755,720	Mar. 29	4887	1089	109	1138
Starkwather, Oakley B., Grand Rapids, Mich. Pillow	774,996	Nov. 15	2871	613	113	679
Starr, Felix, Fossil, Oreg. Castrating-tool	768,826	Aug. 30	5530	1163	111	2340
Starr, Ferdinand W., Springfield, Ohio. Machine for cutting curves	766,158	July 26	4524	968	111	1023
Starr, Ferdinand W., Springfield, Ohio. Joint-fastener	770,398	Sept. 20	2403	508	112	578
Starr, Frank J., deceased, Toledo, Ohio. (R. Starr, administrator,) and H. W. Garrett, Rochester, Pa. Work-holder for glass-grinding machines.	763,439	June 28	3645	785	110	2293
Starr, George L., Otego, N. Y. Culinary lifter	779,028	Aug. 30	5942	1245	111	2436
Starr, James M. (See Tomlinson and Starr.)						
Starr, Newton T., Winterset, Iowa. Mail or parcel carrier	761,722	June 7	199	38	110	1482
Starr Piano Company. (See Bosenburg, William C., assignor.)						
Starr, Rowland, administrator. (See Starr and Garrett.)						
Starrett Cotton Gin Company. (See McGonagle, Arthur, assignor.)						
Starrett Cotton Gin Company. (See Starrett, Ralph, assignor.)						
Starrett, Danvill W., Oakland, Cal., assignor of three-fourths to F. D. Nowell, Juneau, Alaska. Water-wheel governor	763,572	June 28	3876	840	110	2342
Starrett, Laro S., assignor to L. S. Starrett Company, Athol, Mass. Nail set and holder	762,258	June 7	1224	264	110	1705
Starrett, Laro S., assignor to L. S. Starrett Co., Athol, Mass. Combined square and bevel-protractor	778,808	Dec. 27	4626	1010	113	2476
Starrett, Ralph, East Orange, N. J., assignor to Starrett Cotton Gin Company, New York, N. Y. Cotton-gin	759,484	May 10	1843	371	110	499
Starring, Sarah A., et al. (See Broadwell, Edward C., assignor.)						
Stastka, Karl, Irwin, Pa. Cuspidor	766,002	July 26	4207	898	111	955
Stath, Joseph E., East St. Louis, Ill. Can	766,542	Aug. 2	815	172	111	1219
Statham, Myron E., Memphis, Tenn. Automatic mail-bag catcher and deliverer	772,153	Oct. 11	1959	433	112	1393
Static Carbonating Company. (See Carmichael, Henry, assignor.)						
Stauden, John W., Rockwood, Tex. Portable water-heater and steam-cooker	757,358	Apr. 12	2289	499	109	1847
Stauden, Edwin G., Minneapolis, Minn., assignor to Veeder Manufacturing Company, Hartford, Conn. Counter	764,778	July 12	4920	370	111	411
Staudinger, Emil C., New Orleans, La. Stopper for receptacles	753,750	Mar. 1	1024	232	109	230
Staudinger, Emil C., New Orleans, La. Stopper for receptacles	753,750	Sept. 13	1213	261	112	292
Stawartz, John, assignor of one-fourth to F. Gallant, Pittsburg, Pa. Overshoe-holder	763,384	June 28	4578	1001	110	2491
Stayman, David F., Baltimore, Md. Piston	767,017	Aug. 9	1815	381	111	1464
Sté. Ame des Anciens Etablissements Panhard et Levassor. (See Krebs, Arthur C., assignor.)						
Sté. Ame des Matières Colorantes et Produits Chimiques de St. Denis. (See Poirrier, Alcide F., assignor.)						
Stead, Ernest, Binghamton, N. Y. Grinding-machine	774,612	Nov. 8	2055	448	113	472
Stead, George W., Philadelphia, Pa. Leaching apparatus	758,713	May 3	264	52	110	68
Stead, James C., Brooklyn, N. Y. Steam-boiler	750,721	Jan. 26	4312	933	108	1002
Stearns & Co., E. C. (See Potter, William M., assignor.)						
Stearns, Fred M., Starlake, Wis. Hand fish-dressing implement	752,118	Feb. 16	2505	357	108	1633
Stearns, Frederick K., assignor to Frederick Stearns & Company, Detroit, Mich. Holder for serums	766,121	July 26	4440	951	111	1005
Stearns, Frederick L., New York, N. Y. Incinerating-furnace	772,681	Oct. 15	2959	650	112	1636
Stearns, Henry D., New Orleans, La. Apparatus for coaling boats	760,384	May 24	4689	998	110	1096
Stearns, Jesse. (See Pullman, Herbert S., assignor.)						
Stearns, Robert B., Chicago, Ill. Stop-lock for sliding doors	752,476	Feb. 16	3184	710	108	1784
Stearns, Sarah R., Redlands, Cal. Bread-making machine	752,119	Feb. 16	2507	557	108	1633
Stebbins, Albert H., Little Rock, Ark. Ore-concentrator	775,944	Nov. 29	4881	1033	113	1167
Stebbins, Albert H., Little Rock, Ark. Ore-concentrator	775,945	Nov. 29	4883	1034	113	1169
Stebbins, Albert H., Little Rock, Ark. Concentrating-machine	775,946	Nov. 29	4889	1034	113	1169
Stebbins, Albert H., Little Rock, Ark. Concentrating-machine	775,947	Nov. 29	4893	1035	113	1170
Stebbins, Albert H., Little Rock, Ark. Ore-washer	775,948	Nov. 29	4896	1035	113	1170
Stebbins, Arthur C., Lansing, Mich. Caster	775,949	Nov. 29	4896	1035	113	1170
Stebbins, Charles H. (See Davis, Wilbur M., assignor.) (Reissue.)	775,954	Nov. 22	4175	880	113	998
Stebbins, Frank E. (See Wright and Stebbins.)						
Stebbins, Timothy, assignor to Red Jacket Manufacturing Company, Davenport, Iowa. Pump	763,935	June 28	4579	1001	110	2491
Steber, Bernard T., Utica, N. Y. Knitting-machine	751,213	Feb. 2	812	187	108	1230
Steber, Bernard T., Utica, N. Y. Knitting-machine	753,645	Mar. 1	810	181	109	177
Stebler, Fred. (See Fay, Irving H., assignor.)						
Stebler, Fred. (See Strain, Robert, assignor.) (Reissue.)						
Steck, E. L. (See Lloyd, William D., assignor.)						
Steck, Thomas H., Allegheny, Pa. Non-refillable bottle	764,904	July 12	2077	429	111	470
Steck, William. (See Isbell, Harry J., assignor.)						
Stedman, William H., assignor to Mero Machine Company, Hartford, Conn. Thread and tape stand	765,153	July 12	2538	530	111	566
Stedman, John L., Butler, assignor of two-thirds to W. M. Carnahan and F. M. Megogney, Pittsburg, Pa. Electric switch	764,505	July 5	1296	252	111	268
Steeb, Rudolph A., Roselle, N. J. Twine-holder	751,214	Feb. 2	815	188	108	1231
Steedman, Edwin H., St. Louis, Mo. Valve for air-compressors	770,783	Sept. 27	3137	605	112	757
Steedman, Edwin H., St. Louis, Mo. Pressure control for air-compressors	770,784	Sept. 27	3139	606	112	757
Steedman, Edwin H., St. Louis, Mo. Pressure control for air-compressors	770,785	Sept. 27	3141	606	112	757
Steedman, George F., St. Louis, Mo. Differential air-pressure elevator	752,720	Feb. 23	3681	820	108	1911
Steedman, George F., St. Louis, Mo. Overhead-track system	754,890	Mar. 8	2356	515	109	531
Steedman, George F., St. Louis, Mo. Automatic elevator	761,790	June 7	355	72, 73	110	1518
Steel Cable Engineering Company. (See Decker, Edwin S., assignor.)						
Steel-Concrete Construction Co. (See Weber, Carl, assignor.)						
Steel Heddle Manufacturing Company. (See Fehr and Kaufmann, assignors.)						
Steele, A. C., et al. (See Connell, William J., assignor.)						
Steele, Alexander W., Salt Lake City, Utah. Mechanical calculating device	767,181	Aug. 9	2160	449	111	1538

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Steele, Benjamin M., Peoria, Ill. Means for uniting sheet-metal parts.	759,834	May 10	2527	539	110	586
Steele, Elbert L., Worcester, Mass. Educational game apparatus.	750,306	Feb. 2	840	53, 54	108	1111
Steele, Everard, Mill Valley, Cal. Explosive and making same.	762,447	June 14	1621	1278	110	1510
Steele, Frederick A., and M. Kalaba, New Rochelle, N. Y. Book-finishing machine.	775,257	Nov. 15	3452	729	113	819
Steele, John A., Minneapolis, Minn. Thill-coupling.	756,736	Apr. 5	1023	227	109	1561
Steele, Nora V., Missouri Valley, Iowa. Carpet-cleaner.	771,333	Oct. 4	219	49	112	1007
Steensmith, Luther M., Troy, Idaho. Animal-trap.	778,429	Dec. 27	3911	852	113	2319
Steen, John. (See Way, Frank E., assignor.)						
Steen, Theodore J., St. Paul, Nebr. Washing-machine.	767,969	Aug. 16	3686	778	111	1891
Steenberge, Leslie T., deceased; M. F. Steenberge, North Bangor, N. Y., administratrix. Wrench.	778,718	Dec. 27	4451	974	113	2437
Steenberge, Matilda F., administratrix. (See Steenberge, Leslie T.)						
Steenbock, Paul, Deutsch Wilmersdorf, Germany. Manufacturing material designed for the production of cement.	771,183	Sept. 27	3945	112	985	
Steenbock, Paul, Deutsch Wilmersdorf, Germany. Manufacturing vitreous cement.	771,184	Sept. 27	3946	112	985	
Steere, Merrill O. (See Brindle and Steere.)						
Steere, Merrill O., Pawtucket, R. I. Loom stop-motion.	774,285	Nov. 8	1454	312	113	344
Steere, Merrill O., Pawtucket, and S. W. Wardwell, Providence, R. I. Shuttle-motion for looms.	766,776	Aug. 2	1314	279	111	1333
Steere, Merrill O., Pawtucket, and S. W. Wardwell, Providence, R. I., assignors to Brindle-Steere Company, Portland, Me. Loom-shuttle.	769,845	Sept. 13	1360	291	112	327
Steers, William Sr., Chicago, Ill. Carpenter's folding square.	765,308	July 19	2627	548	111	606
Steers, William Sr., assignor to F. Collins and G. Weise, Chicago, Ill. Carpenter's folding square.	749,112	Jan. 5	1132	241	108	262
Steffens, Berthold C., Lagrange, Wis. Clothes-drier.	765,719	July 26	3655	781	111	838
Steger, Virge, Bonham, Tex. Artificial stone.	766,295	Apr. 5	205	109	1388	
Steiger, William, Marietta, Ohio. Twine-holder.	761,723	June 7	304	39	110	1483
Steiger, William, Marietta, Ohio. Weather-strip.	770,380	Sept. 20	2292	481	112	553
Steidl, Raymond, Mattoon, Ill. Bucket or pail fastener.	757,348	Apr. 19	3276	709	109	2075
Steiger, Eugen, Altstetten, Zurich, Switzerland. Weighing-machine with sliding weight.	770,126	Sept. 13	1869	395	112	436
Steiger, Peter, Baltimore, Md. Trunk.	761,424	May 31	5676	1206	110	1330
Steiger, Peter, Baltimore, Md. Trunk.	772,682	Oct. 18	2962	650	112	1636
Steigleder, G. W. (See Kocab, Frank, assignor.)						
Stein, Charles, Akron, Ohio. Vehicle-tire.	767,606	Aug. 16	2992	635	111	1742
Stein, Emil G. H., and J. Mandel, New York, N. Y. Machine for bending sheet metal.	762,500	June 14	1733	372	110	1834
Stein, Frank J. (See Day and Stein.)						
Stein, George, New York, N. Y. Portable electric hand-lamp.	760,657	May 24	4128	876	110	978
Stein, Henry E. (See Donavin, Stein, and Hunt.)						
Stein, Herman, Georgetown, Minn. Wrench.	772,844	Oct. 18	3273	714	112	1708
Stein, Leopold. (See Koller, Wilhelm, assignor.)						
Stein, Paul, Homestead, Pa. Lock.	752,009	Feb. 9	2314	517	108	1572
Stein, Paul H., Bristol, Conn. Socket member.	755,497	Mar. 22	4285	947	109	986
Steinbart, Alfred, Carlstadt, N. J. Gas-scrubber.	774,207	Nov. 8	1314	279	113	314
Steinbart, Alfred, Carlstadt, N. J. Centrifugal gas-purifier.	775,462	Nov. 22	3902	884	113	938
Steinberg, Bernhard J. (See Jagendorf and Steinberg.)						
Steinberg, David S., Chicago, Ill. Garment.	762,359	June 14	1441	313	110	1771
Steinberg, Georges, Paris, France. Pneumatic tire.	762,501	June 14	1736	373	110	1874
Steinberger, Louis, Brooklyn, N. Y. Insulator.	749,335	Jan. 12	1608	341	108	887
Steinberger, Louis, New York, N. Y. Insulated support for wires.	749,336	Jan. 12	1611	341	108	388
Steinberger, Louis, New York, N. Y. Insulator.	750,723	Jan. 26	4314	933	108	1003
Steinberger, Louis, New York, N. Y. Binding post.	750,723	Jan. 26	4316	933	108	1003
Steinberger, Louis, New York, N. Y. Die for producing articles from plastic materials.	753,010	Feb. 23	4264	950	108	2041
Steinberger, Louis, New York, N. Y. Rail.	755,326	Mar. 22	4131	914	109	949
Steinberger, Louis, New York, N. Y. Track structure.	755,327	Mar. 22	4134	914	109	951
Steinberger, Louis, New York, N. Y. Rail-support.	759,767	May 10	2382	498	110	555
Steinberger, Louis, New York, N. Y. Third-rail support.	761,553	May 31	5896	1263	110	1379
Steinberger, Louis, New York, N. Y. Rail.	762,768	June 14	2387	499	110	1951
Steinberger, Louis, New York, N. Y. Support for rails.	762,769	June 14	2389	499	110	1951
Steinberger, Louis, New York, N. Y. Support for sound records or blanks.	766,543	Aug. 2	816	172	111	1219
Steinberger, Louis, New York, N. Y. Base for electrical fixtures.	767,846	Aug. 16	3439	727	111	1838
Steinberger, Louis, New York, N. Y. Track structure.	774,001	Nov. 1	988	195	113	213
Steinbrecher, Walter H. (See Southern, James, assignor.)						
Steinbrenner, Andrew G., assignor of one-third to E. S. Marshall, St. Louis, Mo. Window.	775,866	Nov. 22	4716	908	113	1112
Steiner, Anton, New York, N. Y. Buckle.	775,688	Nov. 22	4385	925	113	1044
Steiner, Barnette T., and J. A. Hall, Canton, Ohio. Book-holder.	749,407	Jan. 12	1757	371	108	418
Steiner, Morris, New York, N. Y. Fan attachment for sewing-machines.	749,638	Jan. 12	1736	467	108	516
Steiner, Rosa, Vienna, Austria-Hungary. Button for garments.	757,576	Apr. 19	2751	601	109	1962
Steinert, Alexander. (See Arno, Oliver H., assignor.)						
Steinert, Gustav, Freiburg, Germany. Flute.	766,544	Aug. 2	819	172	111	1220
Steinert, Morris, New Haven, Conn. Upright-piano action.	772,683	Oct. 18	2963	650	112	1657
Steinhauer, Peter, St. Louis, Mo. Automobile driving-gear.	776,561	Dec. 6	190	42, 43	113	1470
Steinheimer, James A., and G. W. Miller, Lowry City, Mo. Lever hoof-trimmer.	769,776	Sept. 13	1215	261	112	292
Steinhoff, Otto C., assignor of one-half to Bilow-Lupfer Company, Columbus, Ohio. Spring structure.	765,258	July 19	2709	564	111	632
Steinke, Robert M., et al. (See Heep, Louis B., assignor.)						
Steinmann, Herman W., Temple, Tex. Insect collecting and destroying machine.	763,217	June 21	3174	682	110	2170
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Electric lamp.	754,251	Mar. 8	2038	454	109	464
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Braking system.	755,807	Mar. 29	5063	1125	109	1171
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution.	764,213	July 5	626	127	111	139
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Variable-speed direct-current shunt-motor.	766,977	Aug. 9	1748	367	111	1450
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine.	771,284	Oct. 4	126	28	112	989
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine.	771,285	Oct. 4	127	29	112	989

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Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Electric furnace	773,821	Nov. 1	541	118	118	135
Steinmetz, Conrad P., Mitchell, S. D. Toothpick-holder	760,573	Feb. 23	3958	839	110	941
Steinmetz, Willem G. F., Medemblik, Netherlands. Apparatus for heating water by steam	732,721	May. 23	3685	821	108	1912
Steinmitz, Sebastian, Scranton, Pa. Steam-trap	755,251	Mar. 22	3988	885	109	920
Steitz, John L., Chicago, Ill. Cooler for liquids	749,238	Jan. 12	1402	300	108	341
Steltz, Walter S., assignor to Typewriting Telegraph Corporation, Limited, London, England. Pedal driving apparatus	760,260	May 17	3862	707	110	791
Stelle, Charles A., Pasadena, Cal. Antifriction device for railway-cars	760,084	May 17	3005	628	110	712
Stelts, Henry E., Bloomfield, N. J. Oven-door indicator	776,690	Dec. 6	464	103	113	1530
Stemm, Edward A., Chicago, Ill. Finger-measure	766,911	Aug. 9	1618	340	111	1430
Stempel, Carl H., Burlington, Iowa. Coin-mallet	753,010	Feb. 9	2317	517	108	1572
Stempel, Omar A., Clearwater, Fla. Mold	772,845	Oct. 18	3875	715	112	1704
Stenberg, Sven A. A., assignor of forty-nine one-hundredths to W. E. Cumback, San Francisco, Cal. Towel-rack	758,600	Apr. 26	4770	1026	109	2425
Stene, Christopher J., Ashby, Minn. Axle-lubricator	755,957	Mar. 29	5377	1186	109	1243
Stengel, George W., Amelia, Va. Combination stove-ld and cooking-utensil holder	756,727	Apr. 5	1024	227	109	1561
Stenger, Francis J., assignor of one-half to W. V. Ferguson, Detroit, Mich. Musical instrument	769,118	Aug. 30	6117	1278	111	2473
Stenhouse, Katherine L., Chicago, Ill. Form-pad	751,215	Feb. 2	817	188	108	1231
Stenshaug, Arnt E., Ashland, Wis. Sectional case	774,540	Nov. 8	1920	417	113	444
Stevens, August, New York, N. Y. Trolley-stand	767,018	Aug. 9	1816	381	111	1464
Stenwall, Alfred, Kewanee, Ill. Check-valve	764,642	July 12	1537	314	111	332
Stenzy, Frank F. P., assignor of one-half to M. Barabasz, Baltimore, Md. Noodle-machine	775,152	Nov. 15	3195	682	113	753
Stephan, Ferdinand, Hildesheim, Germany. Rotary engine	756,904	Apr. 12	1376	307	109	1652
Stephan, Karl, and F. Kaiser, assignors to Chemische Fabrik auf Actien, (vorm. E. Schering.) Berlin, Germany. Acidyl derivatives of rifugallo-acid ethers and making same	751,216	Feb. 2	819	-----	108	1232
Stephan, Karl, and P. Hunsald, assignors to Chemische Fabrik auf Actien, (vorm. E. Schering.) Berlin, Germany. Making camphor	770,940	Sept. 27	3459	-----	112	830
Stephens, Fred K., et al. (See Metcalf and Holt, assignors.)						
Stephens, Gavit A., Memphis, Tenn. Square	750,725	Jan. 26	4319	934	108	1004
Stephens, James, Stoneham, Mass. Tube for screw-propeller shafts	753,323	May 10	1522	306	110	367
Stephens, Joseph E. (See Corryell and Stephens.)						
Stephens, Joseph W., Denver, Colo. Lock	771,584	Oct. 4	719	159	112	1112
Stephens, Joseph W., Denver, Colo. Coin-receptacle	774,707	Nov. 8	2236	487	113	512
Stephens, Lee A., near Watt, Tex. Cotton-weevil destroyer	773,433	Oct. 25	4650	981	112	2030
Stephens Lithographing & Engraving Company. (See Green, Edwin F., assignor.)						
Stephens, P. B., et al. (See Wing, Perry M., assignor.)						
Stephens, Samuel. (See Drew and Stephens.)						
Stephens, William, Montesano, Wash. Raker saw-gage	756,425	Apr. 5	472	97	109	1443
Stephenson, Charles W., assignor of one-half to T. S. Whitley, Eldorado, Ill. Piano-hammer	777,444	Dec. 13	1918	423	113	1867
Stephenson, Edward M., Brooklyn, N. Y. Hanging-shelf bracket	778,719	Dec. 27	4452	974	113	2138
Stephenson, Frank T. F., Detroit, Mich. Sulfo-iodine compound of hydrocarbon	755,808	Mar. 29	5066	-----	109	1171
Stephenson, John. (See Hatleli, Ole, assignor.)						
Stephenson, John J., Winters, Cal. Cooler	755,408	Mar. 22	4286	947	109	986
Stephenson, John W., Toledo, assignor to National Malleable Castings Company, Cleveland, Ohio. Journal-box	754,170	Mar. 8	1880	419	109	431
Stephenson, John W., Toledo, assignor to National Malleable Castings Company, Cleveland, Ohio. Journal-box	767,182	Aug. 9	2162	450	111	1538
Stephenson, John W., Toledo, Ohio, assignor to National Malleable Castings Company. Car-axle box	767,360	Aug. 9	2482	519	111	1607
Stephenson, Rue F., East St. Louis, Ill. Rotary cake-dresser	774,541	Nov. 8	1921	417	113	444
Stephenson, Thomas B., Bristol, Conn. Compound grinding attachment	751,815	Feb. 9	1921	436	108	1485
Stephenson, Thomas B., Jr., Bristol, assignor to Sessions Clock Company, Forestville, Conn. Ratchet-wheel for clocks	767,361	Aug. 9	2483	520	111	1607
Stephenson, William H., assignor of one-half to E. Edwards, New Vienna, Ohio. Can-opener	766,292	Aug. 2	315	64	111	1110
Steppe, John P. (See Sternau, Steppe, and Strassburger.)						
Sterl, Otto A., Navarre, Ohio. Card-case and counter	766,545	Aug. 2	830	172	111	1221
Sterling, Charles I., South Norwalk, Conn. Hat-holder	755,184	Mar. 22	3867	853	109	896
Sterling, Charles I., South Norwalk, Conn. Hat-paring machine	765,051	July 12	2338	486	111	525
Sterling, Charles O., Washington, D. C. Curling-iron case	750,724	Jan. 26	4317	933	108	1004
Sterling Co. (See Crofut, Frank V., assignor.)						
Sterling Co. (See Sneddon, James P., assignor.)						
Sterling Manufacturing Company. (See Kadel and Rodemeyer, assignors.)						
Sterling Manufacturing Company. (See Lincoln, Ward, assignor.) (Reissue.)						
Sterling, Mark H., Denver, Colo. Gate	773,434	Oct. 25	4651	982	112	2030
Sterling Wheel Barrow Company. (See Baker, Charles A., assignor.)						
Sterling, William T., New York, N. Y. Holder for roll toilet-paper	777,981	Dec. 20	3083	667	113	2113
Stern, Aaron, and J. McLean, New York, N. Y.; said McLean assignor to said Stern. Ice-cream freezer	758,791	May 3	420	84	110	103
Stern, Isaac, et al. (See Pfauher, John M., assignor.)						
Stern, Louis, Eschwege, Germany. Shirt	770,331	Sept. 20	2294	482	112	554
Stern, Morris. (See Matthews, Charles D., assignor.)						
Stern, Philip K., New York, N. Y. Thermodynamic process of applying liquid fuels to motive-power apparatus	769,029	Aug. 30	5944	1245	111	2436
Stern, Philip R., New York, N. Y. Riding-saddle	753,751	Mar. 1	1035	232	109	221
Stern & Polly. (See Meyer, Frank A., assignor.)						
Stern, Refel, Chicago, Ill. Printing-press	750,907	Feb. 2	241	54	108	1111
Sternau & Co., S. (See Sternau, Steppe, and Strassburger, assignors.)						
Sternau, Sigmund, J. P. Steppe, and L. Strassburger, assignors to S. Sternau & Co., New York, N. Y. Coffee-machine	775,431	Nov. 22	3829	809	113	923
Sternberg, Marc, Philadelphia, Pa., assignor to Metallic Specialty Manufacturing Company. Ball-and-socket fastener	749,639	Jan. 12	2216	468	108	516
Sternberg, Wilhelm, assignor to Chemische Fabrik auf Actien, (vorm. E. Schering.) Berlin, Germany. Compound of formaldehyde	761,260	May 31	5361	-----	110	1259
Sternberg, William D., London, England, assignor to A. B. Dick Company, Chicago, Ill. Stencil-printing machine	749,113	Jan. 5	1184	241	108	262

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Sterne Bros. Co. (See Sterne, Charles E., assignor.)						
Sterne, Charles E., assignor to Sterne Bros. Co., San Diego, Cal. Sparking device for internal-combustion engines.	776,700	Dec. 6	465	108	113	1530
Sternfeld, Milton A., and P. Reichenbraker, New York, N. Y. Non-refillable receptacle.	773,237	Oct. 25	4940	897	112	1942
Sterrett, Robert H. (See Knibbs and Sterrett.)						
Sterrett, Robert H., Paterson, N. J. Shuttle.	768,408	Aug. 23	4662	976	111	2135
Stetler, Lewis E., Minneapolis, Minn. Rotary engine.	766,912	Aug. 9	1619	341	111	1420
Stetson, Robert D. (See Mills, Thomas, assignor.)						
Stevens, Albert G., Cape May, N. J. Chemical fire-extinguisher.	774,116	Nov. 1	1151	246	113	290
Stevens, Allan R., Des Moines, Iowa. Clothes-line reel.	777,926	Dec. 20	2924	642	113	2093
Stevens, Benjamin A., Toledo, Ohio. Apparatus for protecting the audience parts of rooms.	774,002	Nov. 1	940	195	113	214
Stevens, Brainard W., Pinole, assignor to California Powder Works, Hercules, Cal. Wad sorter and assembler.	749,459	Jan. 12	1882	391	108	442
Stevens, C. D. (See Perry, Ira D., assignor.)						
Stevens, Charles B., Cumberland, Ohio. Mail-bag fastening.	760,034	May 17	2913	609	110	690
Stevens, Charles F., Worcester, Mass. Safety-catch for elevator-doors.	759,485	May 10	1846	372	110	439
Stevens, Charles W., Harvey, Ill. Building construction.	764,313	July 5	802	164	111	177
Stevens, Evie, Monroe, Wad. Car-brake.	771,585	Oct. 4	722	159	112	1112
Stevens, Frank, Philadelphia, Pa. Electric switch.	760,815	May 24	4461	950	110	1048
Stevens, Frank C. (See Phillips, Darius T., assignor.)						
Stevens, Frank E. (See Lechner, Francis M., assignor.)						
Stevens, Fred P., St. Louis, Mo. Photographic-printing machine.	754,232	Mar. 8	2040	454	109	465
Stevens, Frederick, Syracuse, Cal. Wheel.	751,217	Feb. 1	820	189	108	1232
Stevens, Frederick S., Minneapolis, Minn. Strainer for log-carriage steam-feeds.	769,720	Sept. 13	1112	239	112	270
Stevens, George E., and W. C. Fish, Lynn, Mass., assignors to General Electric Company. Electric arc lamp.	751,025	Feb. 2	447	105	108	1156
Stevens, George F., Northwood, N. H. Hair-clipper.	757,339	Apr. 12	2290	499	109	1847
Stevens, James S., Anzoles, Cal. Wheel.	759,361	Sept. 6	448	100	112	99
Stevens, John, Philadelphia, Pa. Joint for gates, doors, &c.	759,929	May 17	2700	567	110	641
Stevens, John A., Lowell, Mass. Superheater.	760,816	May 24	4463	951	110	1048
Stevens, Josiah P., Atlanta, Ga. Fertilizer-distributor and seed-drill.	750,726	Jan. 26	4321	934	108	1004
Stevens, Josiah P., Atlanta, Ga. Plate-printing machine.	764,158	July 5	490	98	111	106
Stevens, Lawrence L., Los Angeles, Cal. Combined potato slicer and grater.	737,360	Apr. 12	2291	500	109	1847
Stevens, Le Roy W., and B. Timmerman, Chicago, Ill., assignors to Advance Furnace Company of America. Electric furnace.	749,460	Jan. 12	1886	392	108	443
Stevens, Le Roy W., and B. Timmerman, Chicago, Ill., assignors to Advance Furnace Company of America. Electric furnace.	749,461	Jan. 12	1890	393	108	444
Stevens, Le Roy W., and B. Timmerman, Chicago, Ill., assignors to Advance Furnace Company of America. Furnace.	749,462	Jan. 12	1893	394	108	445
Stevens, Maurice T., Harvey, Ill. Pipe-mold.	762,333	June 21	3380	735	110	1214
Stevens, Maurice T., Harvey, Ill. Pipe-mold.	766,739	Aug. 2	1227	260	111	1313
Stevens, Merton P., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Hose-coupling.	759,324	May 10	1523	306	110	367
Stevens, Richard H., Munhall, Pa. Metal railway-tie.	765,603	July 19	3396	716	111	770
Stevens, Richard H., Munhall, Pa. Dumping apparatus.	775,153	Nov. 15	3196	682	113	753
Stevens, Richard H., and S. S. Wales, Munhall, Pa. Electrical quick-return system.	772,927	Dec. 20	2925	642	113	2093
Stevens, Richard H., and S. S. Wales, Munhall, Pa. Electrical quick-return system.	766,071	July 26	4334	929	111	982
Stevens, Richard J. (See Harte and Stevens.)						
Stevens and Son, Walter B. (See Dusenbury, William H., assignor.)						
Stevens, Thomas G., Greenhithe, England. Saddle for cycles or the like.	750,069	Jan. 19	3072	660	108	716
Stevens, William C. (See Seiberling and Stevens.)						
Stevens, William H. (See Sanborn, James G., assignor.)						
Stevenson, Charles W., Puyallup, Wash. Fruit-box.	775,048	Nov. 15	2972	633	113	708
Stevenson, Clayton. (See Hollé and Stevenson.)						
Stevenson, Edward L., Cincinnati, Ohio. Molding-machine.	777,445	Dec. 13	1919	423	113	1867
Stevenson, Edward L., Eldorado, Kans. Musical instrument.	751,880	Feb. 9	2042	461	108	1512
Stevenson, Edward W. (See Ryman and Stevenson.)						
Stevenson, Ezra T., Salt Lake City, Utah. Portable stove.	776,151	Nov. 29	5292	1119	113	1262
Stevenson, Frank P., Piper City, Ill. Wrench.	765,052	Jan. 12	2350	487	111	528
Stevenson, Frederick B. (See Schussler, John H., assignor.)						
Stevenson, George, et al. (See Burdett, Frank, assignor.)						
Stevenson, George, Dunedin, New Zealand. Candle-extinguisher.	763,440	June 28	3646	786	110	2294
Stevenson, George, Dunedin, New Zealand. Adjustable earth-anger.	774,368	Nov. 1	1601	344	113	377
Stevenson, James A., Newcastle, Pa. Hydrosiphon-valve for water-heaters.	773,687	Nov. 1	298	66	113	71
Stevenson, James W., Philadelphia, Pa. Fastener for awnings.	750,070	Jan. 19	3073	660	108	716
Stevenson, John H., assignor of one-half to G. F. Allmendinger, Ann Arbor, Mich. Shred-der for wheat or other grain.	753,931	Mar. 8	1442	323	109	332
Stevenson, Kate D., East Acton, England. Lady's collar-supporter.	759,403	May 10	1698	394	110	404
Stevenson, Robert C., Kilmarnock, Scotland. Repeating rifle.	749,463	Jan. 12	1898	394	108	446
Stevenson and Sons, Hugh. (See Buckton, Albert R., assignor.)						
Stevenson, William M., Indian Orchard, Mass. Woven fabric.	756,150	Mar. 29	5712	1261	109	1315
Stevenson, William M., Springfield, Mass., assignor to Hodges Fiber Carpet Company, Springfield, Mass., Portland, Me., and New York, N. Y. Woven fabric.	761,554	Mar. 31	5900	1264	110	1380
Stevenson, Thomas, Nesquehoning, Pa. Shear-rage.	771,678	Oct. 4	905	204	112	1152
Stever, Arthur E. (See Cooper, Lyman M., assignor.)						
Steward, John, Boone, Iowa. Fence-post.	776,624	Dec. 6	318	68	113	1499
Steward, John F., assignor to International Harvester Company, Chicago, Ill. Head-board for harvesters.	754,718	Mar. 15	3025	661	109	695
Steward, John F., assignor to International Harvester Company, Chicago, Ill. Butt-adjuster for harvesters.	754,719	Mar. 15	3026	661	109	695
Steward, John F., Chicago, Ill., assignor to International Harvester Company. Mowing-machine.	761,330	Mar. 31	5496	1169	110	1289
Stewart, Albert. (See Nelson, Stewart, and Foster.)						
Stewart, Alexander A., Lead, S. D. Valve for leach-tanks.	770,332	Sept. 20	2395	482	112	554
Stewart, Alfred C., Los Angeles, Cal. Controller for automobiles.	767,127	Aug. 9	2048	426	111	1515
Stewart, Andrew B., Brooklyn, N. Y. Means for attaching blankets to cylinders of printing-presses.	754,253	Mar. 8	3044	454	109	465
Stewart, Austin H., Nashville, Tenn. Coherer.	759,835	May 10	2528	539	110	586

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Stewart, Brady W., Pittsburg, Pa. Portable dark room or cabinet.	769,080	Aug. 30	5949	1245	111	2437
Stewart Cement Block Machine Company. (See Stewart, John H., assignor.)						
Stewart, Charles C., assignor of one-half to A. T. James, Philadelphia, Pa. Carpet fabric.	762,210	June 7	1131	242	110	1685
Stewart, Charles E., McHenry, Miss. Railway-car	757,427	Apr. 12	2430	529	109	1876
Stewart, Charles F., Chicago, Ill. Apparatus for treating diseases by light-rays	768,827	Aug. 30	5531	1164	111	2341
Stewart, Clarence F., Vassar, Mich. Machine for making dowel-pins	775,432	Nov. 22	3830	110	113	923
Stewart, David, Govan, Scotland. Nut or pipe wrench.	750,727	Jan. 26	4322	934	108	1004
Stewart, David A. and J. F. Molesworth, Canada. Straw-cutter	758,792	May 3	422	85	110	104
Stewart, David H., Avalon, Pa. Rod-packing.	778,430	Dec. 27	3012	852	113	2320
Stewart, Edgar J., Chicago, Ill. Cutter	763,124	June 21	2982	643	110	2126
Stewart, Edgar J., Chicago, Ill. Pad-forming machine.	763,218	June 21	3177	683	110	2171
Stewart, Elbert S., and C. G. Rice, Pratt, Kans.; said Stewart assignor to said Rice. Pump.	769,281	Sept. 6	288	67	112	62
Stewart, Emmor J., New York, N. Y. Scrubbing-machine	738,714	May 3	266	52, 53	110	69
Stewart, George H., Los Angeles, Cal. Hermetically-sealed multiple-compartment vessel or can.	777,815	Dec. 20	2671	587	113	2042
Stewart, George W. (See Lawrence and Stewart.)						
Stewart Hartshorn Company. (See Hartshorn, Edmund F., assignor.)						
Stewart, Henry S., Chicago, Ill. Door-opening apparatus	762,770	June 14	2298	500	110	1953
Stewart, Hiram B. (See Ash and Stewart.)						
Stewart, Isaac N., St. Louis, Mo. Cotton picker and opener	758,793	May 3	423	85	110	104
Stewart, James. (See Decow and Stewart.)						
Stewart, James G., Pietermaritzburg, Natal. Optical measuring instrument	767,847	Aug. 16	3441	727	111	1838
Stewart, James W., Plain City, Utah. Hose-coupling	761,535	May 31	5901	1264	110	1380
Stewart, John D., Belfast, Ireland. Drain-trap	766,003	July 26	4208	898	111	956
Stewart, John D., Laporte, Ind. Combined dray-seat and truck.	763,442	Mar. 1	420	98	109	91
Stewart, John E., et al. (See White, Walter S., assignor.)						
Stewart, John F. (See Stewart, David A. and J. F.)						
Stewart, John H., Navasota, Tex. Cotton-chopper and weeder	756,186	Mar. 20	5769	1274	109	1326
Stewart, John H., Williamsport, Pa. Treating wood and its product	764,872	July 12	1905	412	111	453
Stewart, John H., assignor to Stewart Cement Block Machine Company, Waterloo, Iowa. Machine for forming concrete building-blocks	777,557	Dec. 13	2145	469	113	1916
Stewart, John W. (See Wickersham, Tabler, and Stewart.)						
Stewart, Letitia E., assignor of one-half to H. Schmidt, Philadelphia, Pa. Apparatus for packing hats for storage and shipment	762,259	June 7	1224	264	110	1706
Stewart, Mary E., et al. (See Allen, Lyman H., assignor.)						
Stewart, Matthew A., New York, N. Y. Grass-hook	752,808	Feb. 23	3837	861	108	1945
Stewart, Matthew A., New York, N. Y. Fire-grate attachment	757,067	Apr. 12	1703	370	109	1720
Stewart, Richard C. Jr., and W. A. Covington, Ky. Base for fence-posts	749,337	Jan. 12	1614	341	108	389
Stewart, Ronald. (See Stewart, Thomas Y., assignor.)						
Stewart, Samuel, Brighton, and H. Hughes, Woodward, Ala. Gas-seal for metallurgical furnaces.	772,846	Oct. 18	3376	715	112	1704
Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Ice-cutter for third-rail electric railways	758,153	Apr. 26	3877	842	109	2228
Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch and signal	768,350	Aug. 23	4513	949	111	2095
Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch	768,549	Aug. 23	4938	1034	111	2193
Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Time-limit device for electric switches	760,572	Sept. 6	539	180	112	190
Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Third-rail insulator	771,334	Oct. 4	221	49	112	1008
Stewart, Scott, Rivesville, W. Va. Check-lock	752,018	Feb. 9	2329	521	108	1575
Stewart, Thomas L. (See Grant and Stewart.)						
Stewart, Thomas Y., assignor of one-half to R. Stewart, St. Paul, Minn. Feed-water heater	758,484	Apr. 26	4528	973	109	2371
Stewart-Wallace, John S., Red Hill, Knock, Ireland. Appliance for cleansing the surfaces of floors or the like.	754,254	Mar. 8	2046	455	109	466
Stewart, Wallace, and W. J. Viles, Buffalo, N. Y. Heater	752,426	Feb. 16	3109	690	108	1767
Stewart, Wallace A. (See Stewart, Richard C., Jr., and W. A.)						
Stewart, Will J., et al. (See Ewing, Thomas H., assignor.)						
Stewart, William A., Detroit, Mich. Wrench	761,110	May 31	5074	1076	110	1198
Stewart, William C. (See Simpson, Richard C., assignor.)						
Stewart, William G., Philadelphia, Pa. Machinery for the production of textile webs.	753,752	Mar. 1	1026	233	109	221
Stewart, William G., Excelsior Springs, assignor of one-half to C. W. Bechtel, Kansas City, Mo. Threshing-machine	756,728	Apr. 5	1025	237	109	1561
Stewart, William H., Malden, Mass. Apparatus for cleansing sewer-pipes	768,867	Aug. 30	5611	1119	111	2359
Stewart, William J., assignor of one-half to A. Henneman, St. Louis, Mo. Horseshoe-creeper	754,023	Mar. 8	1607	358	109	370
Stewart, William M., Springfield, Colo. Dehorning device	778,720	Dec. 27	4453	974	113	2438
Stewart, William P., et al. (See Patton, Matthew E., assignor.)						
Stewart, William T., Adler, Ala. Brake	775,638	Nov. 22	4288	905	113	1023
Steyne, Louis A., New York, N. Y. Hot-air and hot-water furnace	753,011	Feb. 23	4266	950	108	2042
Stickdon, Robert, Bonn, Germany. Gas-burner	767,019	Aug. 9	1817	381	111	1464
Sticker, Francis, New York, N. Y. Sand-blast	758,118	Apr. 26	3816	828	109	2214
Sticker, Francis, assignor of one-half to C. A. Drucklieb, New York, N. Y. Hose-coupling	765,109	July 12	2448	510	111	548
Sticker, Francis, assignor of one-half to C. A. Drucklieb, New York, N. Y. Valve	769,031	Aug. 30	5550	1245	111	2437
Stickler, Andrew J., Winfield, Iowa. Self-oiling loose pulley	775,154	Nov. 15	3199	683	113	754
Stickler, Oliver E., assignor of one-half to G. H. Funk, Olympia, Wash. Saw-set	756,187	Mar. 29	5772	1274	109	1337
Stickley, Albert. (See Danhof, Berend, assignor.)						
Stickley, Joseph, Mansbridge, S. D. Material for fences	758,154	Apr. 26	3879	842	109	2229
Stickney, Allison M., assignor to Wellman Sole Cutting Machine Company, Medford, Mass. Knife-carrier for machines for cutting irregular forms.	753,444	Mar. 1	423	99	109	92
Stickney, Burnham C. (See Smith and Stickney.)						
Stickney, Burnham C., Elizabeth, N. J. Type-writing machine	771,216	Sept. 27	8998	846	112	945
Stickney, Burnham C., Elizabeth, N. J. Type-writing machine	771,217	Sept. 27	4000	846	112	946

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Stickney, Burnham C., Elizabeth, assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	758,794	May 3	425	86	110	105
Stickney, Burnham C., Elizabeth, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	763,699	June 28	4123	899	110	2395
Stickney, Burnham C., Elizabeth, assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine.....	764,077	July 5	332	65,66	111	72
Stickney, Edgar A. (See Ingram and Stickney.)						
Stickney, Edgar A., Sacramento, Cal. Automatic adjustable spacing-rack.....	776,625	Dec. 6	319	69	113	1500
Stickney, George. (See Shepherd, Warren J., assignor.)						
Stiefel, Ralph C., Ellwood City, Pa., assignor, by mesne assignments, to National Tube Company. Rolling-mill.....	774,795	Nov. 15	2458	530 531	113	584
Stiefel, Ralph C., Ellwood City, Pa., assignor, by mesne assignments, to National Tube Company. Rolling-mill.....	774,796	Nov. 15	2461	531 532	113	585
Stiefel, Ralph C., Ellwood City, Pa., and J. H. Nicholson, assignors to National Tube Company, Pittsburgh, Pa. Rolling tubing.....	770,195	Sept. 13	2002	423	112	467
Stiegelmann, Armand J., and K. Reinking, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Discharging halogen indigos.....	760,817	May 24	4465		110	1049
Stiehle, Guido, Seitzmanns, Harbatschhofen, Germany. Fiber-gathering can for spinning-machines.....	750,131	Jan. 19	3178	684	108	738
Stier, Henry, Allegheny, Pa. Hair-pin.....	756,426	Apr. 5	474	98	109	1443
Stier, Herman, Chicago, Ill. Fluid-circulating apparatus.....	749,886	Jan. 19	2710	579	108	641
Stier, Herman, Chicago, Ill. Pipe-joint.....	773,106	Oct. 25	3934	835	112	1874
Stierli, Friedrich, Zurich, Switzerland. Self-lighting gas-burner.....	776,457	Nov. 29	5838	1294	113	1387
Stiff, Henry C., Johnstown, Pa., assignor to Lorain Steel Company. Spring-switch.....	756,729	Apr. 5	1032	228	109	1563
Stifter, Theodor, Cincinnati, Ohio. Elevator.....	777,558	Dec. 13	2147	469 470	113	1916
Stiggleman, James H., Wabash, assignor to Peabody-Stiggleman Company, North Manchester, Ind. Furniture-hinge.....	765,942	July 26	4083	872	111	929
Stiles, Albert C., assignor to A. C. Stiles Metal Company, New Haven, Conn. Journal-bearing.....	771,506	Oct. 4	569	128	112	1080
Stiles, Frank I., Sauk Rapids, Minn. Cloth measuring and cutting machine.....	752,120	Feb. 16	2509	558	108	1634
Stiles, George A., Somerville, Mass. Eyeglasses.....	766,546	Aug. 2	821	173	111	1221
Stiles, John M., et al. (See Waddy, Eli, assignor.)						
Stiles, Joseph T., et al. (See McManus, Charles E., assignor.)						
Stiles, L. H. (See Bachmann, Frederick, assignor.)						
Stiles-Morse Company. (See Morse, George H., assignor.)						
Stiles, Solon S., Middletown, Conn. Buckle.....	771,586	Oct. 4	724	160	112	1113
Still, Ohor S., Annette, Cal. Condenser.....	770,127	Sept. 13	1862	396	112	437
Still, Stanley R., Carlisle, Pa., assignor to Pennsylvania Clay Company. Screening apparatus.....	776,269	Nov. 29	5519	1169	113	1313
Still, William M., London, England. Steam-trap.....	748,888	Jan. 5	634	142	108	142
Still, William M., London, England. Steam-trap.....	773,688	Nov. 1	299	66	113	71
Stillman, Augustus M., Bridgeport, Conn. Screw-making machine.....	765,327	July 19	2852	598	111	653
Stillman, Francis H. (See Wigtel, Carl, assignor.)						
Stillman, Francis H., New York, N. Y. Hydraulic jack.....	757,512	Apr. 19	2607	572	109	1929
Stillman, George E., Providence, R. I. Ball-cock.....	767,848	Aug. 10	3443	728	111	1838
Stillman, George E., Providence, R. I. Faucet.....	767,849	Aug. 16	3445	729	111	1839
Stillman, Herbert L., West Acton, Mass. Wheel-guide.....	768,157	Aug. 23	4147	872	111	2016
Stillwagon, Alexander H., Connellsville, Pa. Composition coating.....	774,500	Nov. 8	1851		113	430
Stillwell & Company, Spencer. (See Eggleston, James W., assignor.)						
Stillwell, Edwin C., Bethany, Mo. Neck-yoke center.....	751,959	Feb. 9	2203	496	108	1549
Stillwell, Joseph W., New York, N. Y. Steam-boiler furnace.....	764,314	July 5	803	165	111	177
Stillwell, Lewis B., Lakewood, N. J., and H. Latay, New York, N. Y. Signaling system for electrically-operated railways.....	771,027	Sept. 27	3632	765	112	867
Stilson, Christopher N., New York, N. Y. Bicycle.....	754,720	Mar. 15	3028	661	109	696
Stilwell-Bierce & Smith-Vaile Co. (See Giesler, Arthur, assignor.)						
Stilwell, Fenton E., Montour Falls, N. Y. Sterilizer.....	763,936	June 28	4582	1001	110	2492
Stilwell, Fenton E., Montour Falls, N. Y. Hot-water heater.....	772,972	Oct. 25	3543	767	112	1782
Stilwell, Henry C., deceased. C. F. Snyder, Dayton, Ohio, administrator. Computing-scale.....	754,395	Mar. 8	2350	513	109	530
Stimebach, John P. (See Lockett, Kenny, Stimebach, and Udell.)						
Stimps, Henry F., Chicago, Ill. Spinner.....	756,542	Apr. 5	686	147 148	109	1187
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom.....	753,012	Feb. 23	4269	951	108	2042
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-fork for looms.....	754,023	Mar. 8	1608	358	109	370
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom.....	754,024	Mar. 8	1608	359	109	371
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-feeder for automatic looms.....	755,252	Mar. 22	3990	885	109	921
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Thread-cutting temple for looms.....	765,687	July 26	3584	760	111	825
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-feeder for filling-replenishing looms.....	769,573	Sept. 6	841	180	112	190
Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Picker-checking means for looms.....	769,669	Sept. 6	1000	317	112	228
Stimpson, Edwin B., New York, N. Y. Creasing-press.....	755,409	Mar. 22	4288	948	109	986
Stimpson, Edwin B., New York, N. Y. Eyelet-setting machine or the like.....	764,962	July 12	2185	453	111	495
Stimpson, Wallace I., Milford, assignor to Draper Company, Hopedale, Mass. Bobbin.....	758,715	May 3	267	53	110	69
Stimpson, Wallace I., Milford, assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom.....	763,441	June 28	3647	786	110	2294
Stimpson, Wallace I., Milford, assignor to Draper Company, Hopedale, Mass. Filling-carrier for loom-shuttles.....	764,214	July 5	629	128	111	140
Stimpson, Walter F. (See Galarneau, Louis B., assignor.)						
Stimpson, Walter F., Detroit, Mich. Scale.....	766,777	Aug. 2	1318	279	111	1334
Stimson, Alfred T., Eureka, Cal. Rotary engine.....	762,448	June 14	1622	352	110	1810
Stimson, Henry D., Philadelphia, Pa. Flacket-fastening.....	777,816	Dec. 20	3673	588	113	2042
Stimson, Oscar M., and P. Parke, Chicago, Ill. Brake-shoe.....	750,728	Jan. 26	4926	934 935	108	1006

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Stimson, Willard H. (See Connell, John F., assignor.)						
Stine, Edward, Plainfield, N. J., assignor to Tracy Manufacturing Company, New York, N. Y. Electrotape or type carrier for printing-forms	762,665	June 14	2072	448	110	1908
Stinson, William J., assignor to J. C. Grosch, London, Canada. Acetylene-gas generator	757,577	Apr. 19	2752	601	109	1962
Stinville, Auguste L., Paris, France. Making sulfuric acid	765,520	July 19	3250	681	111	739
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to Ball & Socket Manufacturing Company, Cheshire, Conn. Fastener	769,777	Sept. 13	1216	262	112	292
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to Ball & Socket Manufacturing Company, Cheshire, Conn. Socket member	769,778	Sept. 13	1217	262	112	293
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to Ball & Socket Manufacturing Company, Cheshire, Conn. Socket member	769,779	Sept. 13	1218	262	112	293
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to Ball & Socket Manufacturing Company, Cheshire, Conn. Fastener	769,780	Sept. 13	1219	262	112	293
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to Ball & Socket Manufacturing Company, Cheshire, Conn. Fastener	769,807	Sept. 13	1266	272	112	303
Stirckler, John D., Boston, Mass., assignor, by mesne assignments, to United States Fastener Company, Portland, Me. Fastener	776,937	Dec. 6	1002	214	113	1649
Stirling Company. (See Sneddon, James P., assignor.)						
Stirling Company. (See Turner, George E., assignor.)						
Sittes, Townsend, Philadelphia, Pa., assignor to Welsbach Light Company, Gloucester City, N. J. Mantle-support	753,328	Mar. 1	207	46	109	48
Sittes, Townsend, assignor to Welsbach Light Company, Gloucester City, N. J. Burner	761,331	May 31	5498	1170	110	1389
Stitt, Elisha S., Newton, Mass. Trolley-finder	752,121	Feb. 16	2511	558	108	1634
Stitt, Samuel, Homer City, Pa. Plate-lifter	752,366	Feb. 16	2977	663	108	1740
Stobie, Robert, et al. (See Stobie, William H., assignor.)						
Stobie, William H., assignor or two-thirds to J. L. Dean and R. Stobie, Waterville, Me. Guide-roller	753,733	Mar. 1	1028	233	109	221
Stock, Nicholas, Kingston, N. Y. Furniture-pad	771,679	Oct. 4	906	204	112	1153
Stock Quotation Telegraph Company. (See Burry, John, assignor.)						
Stockall, James J., Jr., London, England. Workman's time-recorder	755,958	Mar. 29	5378	1187	109	1244
Stockamore, Samuel Y., Gloversville, N. Y. Welt-cutting machine	760,379	May 24	3958	839	110	942
Stocker, Sanford S., Buffalo, N. Y. Jar lock and protector	769,846	Sept. 13	1363	291	112	327
Stockett, John W., Washington, D. C. Breach mechanism for ordnance	760,085	May 17	3007	628	110	712
Stocking, Bert A. (See Stocking, Charles H. and B. A.)						
Stocking, Bert A., and H. Mendenhall, Audubon, Iowa. Washing-machine	762,851	June 14	2466	534	110	1991
Stocking, Charles H. and B. A., Audubon, Iowa. Ventilating attachment for stovepipes	771,680	Oct. 4	907	204	112	1153
Stocking, James F., Montvale, N. J. Clothes-stick	770,333	Sept. 20	2296	482	112	554
Stockman, Henry, New York, N. Y. Bale	748,999	Jan. 5	874	187	108	202
Stockman, Watson B., and J. F. Friel, Chester, Pa. Lamp-burner attachment	748,889	Jan. 5	635	142	108	143
Stockmeyer, Wilhelm, Frankfurt-on-the-Main, Germany. Automatic electric controlling system	768,868	Aug. 30	5613	1179	111	2359
Stockton, George, deceased; J. M. Bailhache, administrator, assignor to said Bailhache and F. Mauzy, San Francisco, Cal. Watchman's time-check	777,392	Dec. 13	1823	404	113	1846
Stockton, William S., Philadelphia, Pa. Trolley	775,867	Nov. 22	4718	968	113	1113
Stockwell, Dalton, South Lawrence, Mass. Automatic safety stop-motion for gill-box	751,570	Feb. 9	1456	330	108	1389
Stockwell, Millard E., assignor to J. A. Hodges and I. J. Cilley, Grand Rapids, Mich. Furniture	749,709	Jan. 12	2358	498	108	546
Stoddard, Charles F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-dispatch apparatus	758,569	Apr. 26	4711	1075	109	2412
Stoddard, Charles F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Circuit-breaker	760,658	May 24	4130	877	110	978
Stoddard, Charles F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-dispatch apparatus	760,659	May 24	4131	878	110	978
Stoddard, Charles F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-dispatch apparatus	772,973	Oct. 25	3545	767	112	1782
Stoddard, Charles F., Boston, Mass., assignor to American Pneumatic Service Company, Dover, Del. Pneumatic-dispatch apparatus	775,949	Nov. 29	4900	1035	113	1171
Stoddard, Edgar R., Detroit, Mich. Valve	763,643	June 28	3997	873	110	2367
Stoddard Manufacturing Company. (See Roby, George L., assignor.)						
Stoebe, Herman. (See Sebastian and Stoebe.)						
Stoehr, George. (See Eisenhardt and Stoehr.)						
Stoelting, Christian H., Chicago, Ill. Barometer	756,905	Apr. 12	1377	307	109	1632
Stoffer, Friedrich, Hanover, Germany. Reeling leather durable and waterproof	757,361	Apr. 12	2293	507	109	1847
Stogsdill, Marion A., Indianapolis, and E. J. Schatz, Greencfield, assignors to Fyle Electric Headlight Company, Indianapolis, Ind. Rotary engine	771,587	Oct. 4	725	160	112	1113
Stohlmann, William H., Gilmore, Neb. Steam-engine	755,410	Mar. 22	4289	948	109	986
Stohn, John. (See Deeley, Samuel, assignor.)						
Stohr, Frank J., et al. (See Baker, Sidney J., assignor.)						
Stoke, Flora E., Reynoldsville, Pa. Lace-fastener	757,977	Apr. 19	3515	762	109	2130
Stoker, Robert, Salt Lake City, Utah. Smoke-consuming furnace	767,020	Aug. 9	1819	382	111	1465
Stokes, Anson P., New York, N. Y. Floating naval battery	771,185	Sept. 27	3947	832	112	935
Stokes, Anson P., New York, N. Y. Arcofaster	773,299	Oct. 25	4356	930	112	1968
Stokes, Claire W., Petrolia, Canada. Sectional cooker	764,078	July 5	342	66	111	75
Stokes, Francis J., Philadelphia, Pa. Suppository-machine	768,244	Aug. 23	4317	908	111	2052
Stokes, J. Stoddell, et al. (See Smith, Harry B., assignor.)						
Stokes, John S., Moorestown, N. J. Stay-strip for boxes	778,800	Dec. 27	4627	1010	113	2477
Stokes, Miles M., Gunnison, Miss. Bettle	770,831	Sept. 27	3352	685	112	783
Stokes & Smith Company. (See Smith, Irving B., assignor.)						
Stokes, Walter C., New York, N. Y. Tire	776,035	Nov. 29	5074	1071	113	1213
Stokes, William E. D., et al. (See Jones, Fred A., assignor.)						
Stoffi, Floriano. (See Sera and Stoffi.)						
Stoller, John G., R. L. Miller, and W. Y. Bean, St. Louis, Mo. Railway freight-car	764,390	July 5	992	201	111	2302
Stolp, Frank H., Chicago, Ill. Machine for making radiator-tubes	777,517	Dec. 20	2674	588	113	2040
Stolte, Clemens A., and H. E. Smith, Indianapolis, Ind.; said Stolte assignor to said Smith	756,806	Apr. 5	1177	261	109	1596
Stoltzenburg, Frederick, assignor of one-fourth to C. Meyer, St. Louis, Mo. Brake	756,188	Mar. 29	5773	1275	109	1327
Stonard, Herbert A. (See Stoddard and Stonard.)						
Stone, Arthur C., Providence, R. I., assignor to George W. Dover Company. Pin-tongue	761,858	June 7	496	100	110	1550
Stone, Arthur C., Providence, R. I., assignor to George W. Dover Company. Pin-tongue	770,334	Sept. 20	2298	482	112	554

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Stone, Charles A., assignor to United Brass Manufacturing Co., Cleveland, Ohio. Stop and waste cock.	762,260	June 7	1227	264	110	1706
Stone, Charles F., Woonsocket, R. I. Flange-wrench.	770,941	Sept. 27	3459	730 731	112	880
Stone, David K., Bloomington, Mich. Badge.	766,913	Aug. 9	1621	341	111	1421
Stone, Edgar W., Kirk, Mich. Traction-engine.	762,360	June 14	1442	313	110	1771
Stone, Edward C., Jeromeville, and J. F. Bear, Mansfield, Ohio. Portable fence.	766,547	Aug. 2	823	173	111	1221
Stone, Edward E., Portland, Me. Electric program-clock.	771,400	Oct. 4	374	82, 83	112	1036
Stone, Frank J., Somerville, Mass. Puzzle or advertising medium.	778,382	Dec. 27	3815	833	113	1298
Stone, Frederick, assignor to Diamond Drill Contracting Company, Spokane, Wash. Core-drill.	761,332	May 31	3500	1171	110	1290
Stone, George C., assignor to New Jersey Zinc Company, New York, N. Y. Apparatus for the filtration of gases.	758,222	Apr. 26	4003	869	109	2254
Stone, George G., Lakeland, Ky. Window-sash holder.	774,613	Nov. 8	3056	449	113	473
Stone, Harry W., Brooklyn, assignor to A. A. Waterman & Co., New York, N. Y. Fountain-pen.	768,779	Aug. 30	5422	1142	111	2318
Stone, Harry W., Brooklyn, N. Y., assignor to A. A. Waterman, Winchester, Mass., W. G. Frazer and H. W. Geyer, New York, N. Y. Pen.	763,517	June 28	3770	815	110	2319
Stone, Henry C., Evanston, Ill. Mechanical movement.	773,822	Nov. 1	543	118	113	125
Stone, Henry C., Sr., Evanston, Ill., and Henry C. Stone, Jr., San Francisco, Cal.; said Stone, Sr., assignor to said Stone, Jr. Lifting-derrick.	772,586	Oct. 18	2779	612	112	1597
Stone, Herbert F. (See Rounds, Horace M., assignor.)						
Stone, John B., Blossington, Tex. Bedstead of electromagnet waves.	755,071	Mar. 22	3671	806	109	855
Stone, John H., assignor to M. L. Stone, Toronto, Canada. Combined heating and cooking oil-stove.	759,404	May 10	1699	344	110	405
Stone, John S., Cambridge, Mass. Wireless-telegraph receiving device.	767,971	Aug. 16	3692	778 779	111	1898
Stone, John S., Cambridge, Mass. Receiving space-telegraph signals.	767,972	Aug. 16	3698	779	111	1895
Stone, John S., Edgerton, Mo. Wagon-body.	773,239	Oct. 25	4243	697	112	1943
Stone, John S., Boston, Mass., assignor, by mesne assignments, to Stone Telegraph and Telephone Company, Portland, Me. Apparatus for simultaneously transmitting and receiving space-telegraph signals.	767,970	Aug. 16	3688	778 779	111	1891
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Increasing the effective radiation of electromagnetic waves.	767,973	Aug. 16	3702	780 781	111	1896
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Apparatus for increasing the effective radiation of electromagnetic waves.	767,974	Aug. 16	3708	781	111	1897
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,975	Aug. 16	3711	781	111	1897
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,976	Aug. 16	3714	782	111	1898
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,977	Aug. 16	3717	782	111	1899
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,978	Aug. 16	3721	782	111	1899
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,979	Aug. 16	3722	782	111	1899
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,980	Aug. 16	3726	783	111	1900
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,981	Aug. 16	3729	783	111	1900
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,982	Aug. 16	3732	783	111	1901
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,983	Aug. 16	3737	783	111	1902
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,984	Aug. 16	3739	784	111	1903
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,985	Aug. 16	3743	784	111	1904
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,986	Aug. 16	3744	784	111	1904
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,987	Aug. 16	3746	785	111	1904
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,988	Aug. 16	3747	785	111	1905
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,989	Aug. 16	3750	785	111	1905
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,990	Aug. 16	3753	785	111	1906
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,991	Aug. 16	3755	786	111	1906
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,992	Aug. 16	3757	786	111	1907
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,993	Aug. 16	3760	786	111	1907
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,994	Aug. 16	3763	786 787 788	111	1908
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,995	Aug. 16	3772	789 790 791	111	1910
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,996	Aug. 16	3778	791	111	1910
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,997	Aug. 16	3782	791	111	1911
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,998	Aug. 16	3785	791	111	1912
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	767,999	Aug. 16	3788	792	111	1913
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	768,000	Aug. 16	3790	792	111	1913
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	768,001	Aug. 16	3792	792	111	1914
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraph.	768,002	Aug. 16	3794	793	111	1914

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Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy	768,003	Aug. 16	3798	798	111	1915
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy	768,004	Aug. 16	3800	793	111	1916
Stone, John S., Cambridge, assignor to W. W. Swan, trustee, Brookline, Mass. Space telegraphy	768,005	Aug. 16	3807	794	111	1918
Stone, John V., assignor of eleven-sixteenths to H. Rasmussen, H. Bacheneimer, and C. A. Nye, Moorhead, Minn. Horse-collar	751,358	Feb. 2	1086	246	108	1289
Stone, Marie L. (See Stone, John H., assignor.)						
Stone, Martyn J. (See Thomas and Stone.)						
Stone, Martyn J., Scranton, Pa. Conduit	764,779	July 12	1806	370	111	412
Stone, Melvin L., Lowell, assignor to Draper Company, Hopedale, Mass. Filling-end-holding means for automatic looms	750,411	Jan. 26	3693	802	108	873
Stone, Melvin L., Lowell, assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom	759,325	May 10	1524	307	110	367
Stone, Melvin L., Lowell, assignor to Draper Company, Hopedale, Mass. Automatic filling-replenishing loom	761,724	June 7	206	39	110	1484
Stone, Melvin L., Lowell, assignor to Draper Company, Hopedale, Mass. Shuttle-locking means for looms	775,868	Nov. 22	4719	999	113	1113
Stone, Melvin L., Lowell, assignor to Draper Company, Hopedale, Mass. Lug-strap holder for looms	778,465	Dec. 27	3994	869	113	2337
Stone, Morris M., New York, N. Y. Garment-hanger	752,122	Feb. 16	2513	559	108	1635
Stone, Nathaniel B., Outlook, Wash. Hair-curler	757,241	Apr. 12	2044	446	109	1795
Stone, Nathaniel B., Outlook, Wash. Locking mechanism	758,941	May 8	725	145	110	170
Stone, Nathaniel B., Outlook, Wash. Beam-compass	760,353	May 17	3514	739	110	824
Stone, Nathaniel B., Outlook, Wash. Convertible game-table	766,072	July 26	4335	929	111	982
Stone, Roy, New York, N. Y. Tunneling apparatus	748,809	Jan. 5	475	107	108	107
Stone, Roy, New York, N. Y. Motor-coach	746,263	July 5	709	144	111	157
Stone, Rudolph, Catayba, Wis. Pump-cylinder	768,028	June 21	2793	606	110	2084
Stone, Stenwall W. J., Hannan, S. C. Floor Company, Hopedale, Mass. Automatic	755,959	Mar. 29	5380	1187	109	1244
Stone Telegraph and Telephone Company. (See Stone, John S., assignor.)						
Stone, William M. (See Reed, Harvey, assignor.)						
Stone-Working Machine Company. (See Thomson, Charles A., assignor.)						
Stonebridge, Charles H., New York, N. Y. Collapsible box	760,680	May 24	4134	879	110	979
Stonehouse, Anthony, Larimore, N. D. Attachment for bank ledgers	755,791	Mar. 29	4891	1089	109	1133
Stoner, Frederick B., and C. Hotaling, Chautau, Kans. Drill-rod clutch	768,915	Aug. 30	5711	1200	111	2384
Stoner, Lewis H., Albany, Ind. Animal-trough	752,427	Feb. 16	3110	690	108	1767
Stoner, Lewis H., Albany, Ind. Cement post	762,008	June 7	770	157	110	1606
Stoner, Lewis H., Albany, Ind. Making cement posts	775,095	Nov. 15	3071	652	113	725
Stoolfire, Charles, Coyle, Okla. Ter. Stack-climber	755,809	Mar. 29	5067	1125	109	1172
Storch, William, Philadelphia, Pa. Bed-rail fastener	765,402	July 19	3002	628	111	686
Storer, Henry E. (See Frank and Storer.)						
Storer, Norman W., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Operating and controlling electric motors	705,209	July 19	2628	548	111	606
Storer, Simon B., Syracuse, N. Y. Magnetic speed-indicator	759,011	May 3	905	148	110	208
Storer, Worley E. (See Drury and Storer.)						
Storey, Daniel M., Weeping Water, Nebr. Concentrator	749,706	Jan. 12	2351	496	108	545
Storey, Imie E., Amsterdam, N. Y. Rheostat	757,687	Apr. 19	2969	646	109	2010
Storey, Imie E., Amsterdam, N. Y. Dynamo-electric machine or motor	760,086	May 17	3010	629	110	713
Stork, Jonas, et al. (See Loewenstein, Maximilian, assignor.)						
Stork, Jonas. (See Loewenstein and Stork.)						
Storle, Ole O., assignor to Burlington Brass Works, Burlington, Wis. Valve	760,580	May 24	3960	840	110	942
Storm, Edwin R., New York, N. Y. Book-support	758,868	May 3	586	115	110	141
Storm, Edwin R., New York, N. Y. Printing-plate holder	778,466	Dec. 27	3996	869	113	2337
Storm, Francis F. (See Sindingchristensen, Frederick, assignor.)						
Storrs, Aaron P., assignor to Storrs Mica Company, Owego, N. Y. Mica lamp globe or shade	758,716	May 3	268	53	110	69
Storrs, Charles P., et al. (See Henderson, Thomas M., assignor.)						
Storrs, Eugene O., Winterset, Iowa. Automatic check-rod corn-planter	750,729	Jan. 26	4328	935	108	1006
Storrs Mica Company. (See Storrs, Aaron P., assignor.)						
Story, Jim T., Greenville, Tex. Liquid measure and filter	776,958	Dec. 6	1003	215	113	1649
Story, Ward B. (See Sheldon and Story.)						
Storz, Carl A. G., Frankfurt-on-the-Main, Germany. Hose-pipe coupling	764,018	July 5	200	36	111	48
Stouffer, Hiram A., assignor of one-half to L. E. Voy, Chatham, Ill. Brick-machine	756,906	Apr. 12	1379	308	109	1653
Stouffer, Hiram C., Mineralridge, assignor of two-thirds to J. N. Cole and H. G. Huff-man, Youngstown, Ohio. Pump	755,072	Mar. 22	3673	806	109	855
Stouffer, Hiram C., Mineralridge, Ohio, assignor of nine-sixteenths to J. J. and I. P. Dean and C. E. Mehrad, Newcastle, Pa. Pump	749,239	Jan. 12	1403	301	108	341
Stouffer, Hiram C., Mineralridge, assignor of five-sixths to A. T. Hunt, E. O. and H. E. Dilley, Warren, J. C. Hunt, Leavittsburg, Ohio, and C. M. Hunt, Newcastle, Pa. Nut-lock	750,412	Jan. 26	3695	802	108	873
Stough, William F., Prattville, Ala. Window-blind lock	750,730	Jan. 26	4330	935	108	1006
Stoughton, William B., Rockton, assignor of one-half to C. M. Kresge, Dubois, Pa. Stone-dressing machine	749,240	Jan. 12	1405	301	108	342
Stout, George H., assignor of one-half to L. A. Turner, Denver, Colo. Compressed-air water-elevator	776,959	Dec. 6	1006	215	113	1650
Stout, George H., and L. A. Turner, Denver, Colo. Window-screen	757,688	Apr. 19	2971	646	109	2010
Stout, George H., and L. A. Turner, Denver, Colo. Window-screen	761,791	June 7	362	74	110	1520
Stout, Hiram C., Mineralridge, Kans. Ice-making apparatus	752,477	Feb. 16	3186	711	108	1784
Stout, Hiram C., Alliance, Ohio. Steel railway tie and brace	770,493	Nov. 15	2973	693	113	703
Stout, Robert P. (See Meigs and Stout.)						
Stout, Robert P., Bethlehem, Pa. Drafting instrument	755,046	May 10	1992	407	110	471
Stover, Daniel C., Freeport, Ill. Governor for gasoline-engines	768,158	Aug. 23	4148	873	111	2016
Stover, Emory E., Big Lake, Minn. Fly-exit for screens	757,932	Mar. 8	1443	324	109	333
Stover, Henry C., Erwinna, Pa. Bottle for the storage and transportation of liquids	758,899	May 3	588	116	110	141
Stow, Audley H., Hunter, N. Y. Pencil-book	766,548	Aug. 2	825	173	111	1222
Stow, Eli H., Binghamton, N. Y. Automatic gas igniting and extinguishing apparatus	757,242	Apr. 12	2045	446	109	1796
Stow, John W., Norman, Okla. Ter. Cotton-picker's truck	769,507	Sept. 6	726	157	112	165
Stow, Nelson, Binghamton, N. Y. Paint-brush	759,890	May 17	2701	567	110	641
Stowe, Floyd D., Wilmington, Del. Finishing-roll	768,916	Aug. 30	5713	1201	111	2384
Stowell, Edward R., Portland, Ind., assignor to A. B. Nettleton, Chicago, Ill. Fireproof paint or coating	774,003	Nov. 1	942	.....	113	214
Stowell, Emory. (See Stowell, Lester, assignor.)						
Stowell, Lester, Waukesha, assignor of one-half to E. Stowell, Duplainville, Wis. Adjustable shingle-gage	769,508	Sept. 6	728	157	112	165

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Stoyer, Clyde H., Pittsburg, Pa. Baby-walker.	767,774	Aug. 16	3281	692	111	1805
Strader, Ernest J., Decatur, Ill. Carpet-stretcher.	755,960	Mar. 29	5381	1187	100	1244
Strader, James. (See Jeffries, Van Oran, assignor.)						
Strahan, Hendricks P., Perry, Okla. Ter. Silvering or resilvering glass	767,608	Aug. 16	2997		111	1742
Strail, Fred A. (See Green and Strail.)						
Strail, Frederick, assignor of three-fourths to A. Green, G. W. and C. L. Hooper, Rochester, N. Y. Trolley-wheel	768,959	Aug. 30	5739	1218	111	2403
Strain, C. M., et al. (See White, Howard, assignor.)						
Strain, Robert, Fullerton, assignor to F. Stebler and A. A. Gamble, Riverside, Cal. Fruit-grader. (Reissue.)	12,297	Dec. 27	4693	1026	113	2492
Strain, Thomas, Placentia, Cal. Fruit-grader.	775,015	Nov. 15	2905	621	113	6-6
Straif, Lacelle J., San Francisco, Cal. Hydrocarbon-oil burner	760,818	May 24	4466	951	110	1049
Straiton, John, Liverpool, England. Hide-working machine.	766,073	July 26	4338	930	111	983
Straker, Sidney, London, England. Steam-generator	756,073	Mar. 29	5571	1230	109	1285
Strand, Charles A., Chicago, Ill. Adjustable support for boring-tools	767,317	Aug. 9	2399	1501	111	1590
Strand, Jacob, New York, N. Y. Pipe collar or ring.	758,870	May 3	538	117	110	141
Strand, Julius H., et al. (See Elgen, Magnus P., assignor.)						
Strang, Oscar. (See Hjorth, Lars, assignor.)						
Strang, Albert E., Canton, Ohio. Combination collar and cuff button.	757,978	Apr. 19	3516	763	109	2180
Strange, Edward H., and E. Graham, London, England. Production of paints and paint-vehicles	766,740	Aug. 2	1229		111	1314
Strange, Travis J. (See Evans and Strange.)						
Stransky & Co. (See Thiele, Albert H., assignor.)						
Strassburg, Harris, assignor of one-half to I. Rude, Denver, Colo. Illuminated clock.	762,261	June 7	1228	265	110	1706
Strasburger, Charles F. (See Nind and Strasburger.)						
Strasburger, Charles F., assignor of one-half to W. Demmler, Chicago, Ill. Registering-runway	760,661	May 24	4137	879	110	979
Strasburger, Frank C. H., Chicago, Ill. Bottle-washing machine.	736,427	Apr. 5	475	98, 99	109	1444
Strasburger, Frank C. H., Chicago, Ill. Bottle-filling machine.	756,428	Apr. 5	473	99	109	1444
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Bottle-filling machine	768,960	Aug. 30	5800	1219	111	2403
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Filling-machine valve	768,961	Aug. 30	5802	1219	111	2404
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Filling-machine	768,962	Aug. 30	5804	1219	111	2405
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Filling-machine	768,963	Aug. 30	5806	1220	111	2405
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Filling-machine	768,964	Aug. 30	5808	1220	111	2405
Strasburger, Frank C. H., assignor to Bottlers Special Machinery Company, Chicago, Ill. Filling-valve	768,965	Aug. 30	5809	1220	111	2406
Strassburger, Lionel. (See Sternau, Steppe, and Strassburger.)						
Strasser, Louis, Columbus, Ohio. Scale-removing device	738,717	May 3	270	54	110	69
Strathmann, William H., Chicago, Ill. Saddle for poultry yards.	756,907	Apr. 12	1381	308	109	1633
Strattner, Frederick, Salisbury, Md. Boiler-tube joint	756,429	Apr. 5	481	100	109	1445
Strattner, Frederick, Salisbury, Md. Motor	776,096	Nov. 29	5189	1096	113	1238
Stratton, Cora M., administratrix. (See Stratton, William H.)						
Stratton, Harrison D., Philadelphia, Pa. Hoisting apparatus	759,201	May 8	1231	248	110	281
Stratton, James M., Brooklyn, N. Y. Fire-box for steam-boiler or other furnaces	752,123	Feb. 16	2513	59	108	1635
Stratton, James M., Brooklyn, N. Y. Artificial horizon for use of mariners	753,445	Mar. 1	423	100	109	92
Stratton, Matthias, Jr., assignor to Alling & Co., Newark, N. J. Cigar-cutter	774,208	Nov. 8	1316	279	113	314
Stratton, Samuel L., assignor of one-half to H. C. Blair, Columbus, Ohio. Mattress.	765,756	July 26	3727	735	111	852
Stratton, William H., deceased, Hartford, Conn.; C. M. Stratton, administratrix. Valve	753,215	Feb. 23	4650	1035	108	2127
Stratton, William H., deceased, Hartford, Conn.; C. M. Stratton, administratrix. Valve	753,755	Mar. 1	1032	235	109	222
Straub, Francis J., Pittsburg, Pa. Apparatus for producing optical illusions	754,100	Mar. 8	1760	391	109	403
Strauch, Albert T., New York, N. Y. Pianissimo device for grand-piano actions	757,689	Apr. 19	2973	647	109	2010
Straughn, Walter W. (See Linville, Logan, assignor.)						
Straus, Max. (See Cunningham, Walter C., assignor.)						
Strauss, Ernest H., Chicago, Ill. Telephone-receiver.	758,795	May 3	436	87	110	107
Strauss, Ernest H., Chicago, Ill. Generator for telephone-calls.	759,836	May 10	2530	529, 530	110	587
Strauss, Harry S., Derby, Conn. Key attachment for pianos	759,736	Mar. 1	1033	235	109	222
Strauss, Harry S., Derby, and E. S. Schwarclitz, Bridgeport, Conn. Bow guide for violins	766,549	Aug. 2	826	174	111	1223
Strauss, Joseph B., Chicago, Ill. Railway-track-supporting device for bridges or the like.	768,702	Aug. 30	5287	1111	111	2286
Strauss, Joseph B., and G. J. S. Collins, Chicago, Ill. Bridge	762,361	June 14	1444	313	110	1771
Strauss, Julius C., St.-Louis, Mo. Combined picture-frame and easel	760,935	May 24	4690	999	110	1097
Strauss, Maurice M., Chicago, Ill. Garment-holder	756,074	Mar. 29	5573	1230	109	1285
Strauss, William, New York, N. Y. Troling device for railroads	778,083	Dec. 20	3221	708	113	2153
Straw, Charles B., and J. N. Jager, assignors of one-third to A. Huhn, Minneapolis, Minn. Forming pipe	777,559	Dec. 13	2150	471, 472, 473	113	1917
Straws, Charles B., and J. N. Jager, assignors of one-third to A. Huhn, Minneapolis, Minn. Apparatus for forming pipe	777,560	Dec. 13	2153	473, 474, 475	113	1917
Straws, Charles B., and J. N. Jager, assignors of one-third to A. Huhn, Minneapolis, Minn. Apparatus for forming pipe or other articles in continuous lengths	777,561	Dec. 13	2164	476	113	1920
Straws, Charles B., and J. N. Jager, assignors of one-third to A. Huhn, Minneapolis, Minn. Forming pipe in continuous lengths	777,562	Dec. 13	2166	476	113	1920
Streator Metal Stamping Company. (See Halladay, Lewis P., assignor.)						
Streed, Emil E., St. Charles, Ill. Lacing-stud	769,329	Sept. 6	388	89	112	84
Street, Charles H., et al. (See Butcher, James M., assignor.)						
Street, Clement F., Cleveland, Ohio. Truck bolster for railway-cars	750,731	Jan. 26	4930	935	108	1007
Street, Clement F., Cleveland, Ohio. Truck-bolster for railway-cars	759,137	May 8	1079	219	110	245
Street, Ernest A. G., Courbevoie, assignor to La Société Anonyme le Carbone, Levallois-Perret, near Paris, France. Electrical connection	764,391	July 5	993	201	111	220
Street, William J., Jr., Madisonville, Ohio. Piano	759,176	Feb. 23	4565	1018	108	2109
Streeter, Alfred L., Chicago, Ill. assignor to American Brake Shoe & Foundry Company, New York, N. Y. Brake-shoe	759,567	Mar. 10	1994	408	110	472
Streeter, Alfred L., Chicago, Ill. assignor to American Brake Shoe & Foundry Company, New York, N. Y. Brake-shoe	773,823	Nov. 1	544	119	113	126
Streeter-Amet Weighing and Recording Company. (See Goetz, George, assignor.)						
Streeter, Hiram C. (See Phillips, Charles O., assignor.)						
Streeter, William B., Providence, R. I. Garment-supporter	777,818	Dec. 20	2676	588	113	2043

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Strehl, Gustave and J., La Crosse, Wis. Bushing	754,512	Mar. 15	2627	570	109	610
Strehl, Gustave and J., La Crosse, Wis. Wrench	777,446	Dec. 13	1922	424	113	1868
Strehl, John. (See Strehl, Gustave and J.)						
Strehlow, Herman F., Casselton, N. D. Stovepipe	776,626	Dec. 6	332	69	113	1500
Streib, John F. (See Lindström and Streib.)						
Streib, John F., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Door mechanism for cars	758,392	Apr. 26	4355	935	109	2331
Streich, Charles G., Oshkosh, Wis. Front gear for vehicles	763,700	June 28	4125	899	110	2395
Streich, Charles G., Oshkosh, Wis. Dumping-wagon	770,335	Sept. 20	2299	483	112	555
Streich, Charles G., Oshkosh, Wis. Roll-off lumber-wagon	775,997	Nov. 29	5002	1055	113	1196
Streich, Charles G., Oshkosh, Wis. Lumber-wagon	775,998	Nov. 29	5005	1056	113	1197
Streich, Frank. (See Burkhardt, Franklin P., assignor.)						
Streich, Frank. (See Burkhardt and Streich.)						
Streich, Frank. (See Ruehs and Streich.)						
Streich, Frank, assignor to S. Karpen & Bros., Chicago, Ill. Automatic carving-machine.	757,151	Apr. 12	1881	410	109	1796
Streich, Frank, assignor to S. Karpen & Bros., Chicago, Ill. Automatic carving-machine.	757,243	Apr. 12	2047	446	109	1790
Streich, Frank, assignor, by mesne assignments, to Universal Automatic Carving Machine Company, Chicago, Ill. Carving-machine	768,917	Aug. 30	5715	1201	111	2335
Streich, Frank and C. L. Ruehs, assignors to S. Karpen & Bros., Chicago, Ill. Automatic carving-machine	757,152	Apr. 12	1884	411	109	1761
Strenitz, Alexander, assignor of one-half to A. Duffek, Vienna, Austria-Hungary. Toy	773,169	Oct. 25	4104	868	112	1913
Streich, Henry P., assignor of one-fourth to S. M. Perrigo, Chicago, Ill. Saw-set	776,562	Dec. 6	194	43	113	1471
Streuber, Gustav A. F., assignor of one-half to G. Sexauer, Seattle, Wash. Burglar-alarm	771,286	Oct. 4	128	29	112	939
Streuli, Louis, Zurich, Switzerland. Cement-plate press	755,253	Mar. 22	3992	885	109	921
Streuli, Louis, Zurich, Switzerland. Transport apparatus	773,901	Nov. 1	736	157	113	169
Stricker, Gertrude, Baker, Kans. Garment-hook	755,411	Mar. 22	4291	949	109	987
Strickland, Clarence M., Lynn, Mass. Frying-kettle	769,119	Aug. 30	6118	1279	111	2474
Strickland, Davitt W., Columbia, Miss. Lumber-wagon	760,354	May 17	3515	739	110	825
Strickland, Davitt W., Columbia, assignor, by mesne assignments, to Hattiesburg Eight Wheel Wagon Co., Hattiesburg, Miss. Lumber-wagon	768,887	Aug. 30	5655	1189	111	2310
Strickland, M. Nichols, Galveston, Tex. Puzzle	765,521	Jan. 19	3252	681	111	739
Strickler, William H., Chicago, Ill. Preserving eggs	762,563	June 14	1883	405	110	1866
Strine, John, Sr., Downey, Cal. Grocery-bin	776,812	Dec. 6	700	155	113	1581
Stringer, Wesley, assignor of one-half to C. F. Hatch, Minneapolis, Minn. Binding-press	753,871	May 3	590	117	110	142
Stripe, Henry, Milan, Kans. Corn-cultivator	773,604	Nov. 1	131	28	113	35
Stripe, Isaac, Aultman, Ohio. Shipping-crate	762,102	June 7	934	193	110	1640
Stripe, Isaac, Aultman, Ohio. Fence-tool	765,328	July 19	2860	598	111	655
Strite, Charles P. (See Davidson and Strite.)						
Stroba, Samuel, Allegheny, Pa. Split pulley	749,756	Jan. 19	2474	527	108	589
Strode, Thomas A., Butler, Mo. Wagon-brake	761,261	May 31	3632	1132	110	1260
Stroh, George, Syracuse, N. Y. Making metal castings	755,722	Mar. 29	4893	1089	109	1134
Stroh, George, Syracuse, N. Y. Casting apparatus	759,598	Nov. 10	1995	408	110	472
Stroh, George, Syracuse, N. Y. Casting apparatus	759,599	May 10	1997	408	110	472
Stroh, George, Detroit, Mich. Hose-coupling	758,155	Apr. 26	3880	842	109	2229
Strohacker, Edward. (See Strohacker, Louis and E.)						
Strohacker, Louis and E., Chicago, Ill. Cork-extractor	776,152	Nov. 29	5202	1119	113	1262
Strom, Axel A., Chicago, Ill., assignor to Pettibone, Mulliken & Company. Foot-guard for railway-tracks	764,830	July 12	1923	394	111	437
Strom, Axel A., assignor to Pettibone, Mulliken & Co., Chicago, Ill. Semaphore switch-stand	767,088	Aug. 9	1974	411	111	1499
Strom, Axel A., Chicago, Ill., assignor to Pettibone, Mulliken & Company. Railway-switch lock	774,004	Nov. 1	943	195	113	214
Strom, Axel A., Chicago, Ill., assignor to Pettibone, Mulliken & Co. Switch-stand	777,447	Dec. 13	1923	425	113	1868
Stromberg, Alfred, Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Switchboard	752,722	Feb. 23	3686	821	108	1912
Stromberg-Carlson Telephone Company. (See Webster, Harry G., assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Babcock, Garrison, assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Davis, William M., assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Goldberg, John S., assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Hansen, Rasmus, assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Kaisling, William, assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Stromberg, Alfred, assignor.)						
Stromberg-Carlson Telephone Manufacturing Company. (See Webster, Harry G., assignor.)						
Stromberg, Charles A., Chelsea, Mass. Drum	754,101	Mar. 8	1761	392	109	408
Stromberg, Charles A., Chelsea, Mass. Tryer-lightening device for drums	756,730	Apr. 5	1033	229	109	1554
Stromberg, Fritz O., Cleveland, Ohio. Safety-keel for vessels	768,085	Apr. 29	3996	840	111	1983
Stromberg, Fritz O., Cleveland, Ohio. Water-seal valve and valve-operating apparatus for regenerative furnaces	771,681	Oct. 4	908	205	112	1153
Stromberg, Oscar, South Chicago, Ill. Hat-fastener	766,741	Aug. 2	1231	261	111	1314
Stronach, Harry S., and D. W. Ricks, Marquette, Wis. Car-roller	751,359	Feb. 2	1087	246	108	1289
Strong, Arthur J., assignor of one-half to J. B. Hayward, Dayton, Ohio. Winding	751,816	Feb. 9	1922	496	108	1485
Strong, Enamel & Stamping Co. (See Strong, Thomas L., assignor.)						
Strong, Frederick F., Boston, Mass. Portable high-frequency apparatus	775,869	Nov. 23	4721	999	113	1114
Strong, Frederick F., Boston, Mass. Portable high-frequency apparatus	775,870	Nov. 23	4724	1000	113	1114
Strong, Frederick F., Boston, Mass. Variable air-gap condenser	775,871	Nov. 23	4725	1000	113	1114
Strong, Frederick F., Boston, Mass. Rotary spark-gap	775,872	Nov. 23	4726	1000	113	1114
Strong, Luman M. (See Miller, William E., Sr., assignor.)						
Strong, Thomas L., assignor to Strong Enamel & Stamping Co., Bellaire, Ohio. Apparatus for drying enameled ware	771,507	Oct. 4	570	128	112	1080
Stroop, George G., Cleburne, Tex. Vending-machine	758,872	May 3	592	116	110	142
Stroud, Harold D., assignor to National Measured Service Company, Chicago, Ill. Toll-register for telephones and electrical system for controlling same	764,963	July 12	2187	453	111	495

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Stroud, Harold D., assignor of one-half to A. M. Belfield, Chicago, Ill. Burglar-alarm system	774,342	Nov. 8	1562	334	113	368
Strouse, Jay S., Baltimore, Md. Sweat-band	773,349	Oct. 25	4468	945	112	1991
Strouse, William H., Oskaloosa, Iowa. Firing locomotive-engines	770,786	Sept. 27	3144	667	112	758
Strouse, Eugene M., et al. (See Pfandler, John M., assignor.)						
Strout, Henry F., et al. trustees. (See Tichon, Joseph E., assignor.)						
Strout, Robert W., Salem, assignor to Vaughn Machine Company, Boston, Mass. Machine for putting out hides or skins	767,451	Aug. 16	2672	561	111	1668
Strout, Robert W., Salem, assignor to Vaughn Machine Company, Boston, Mass. Shaving-machine	767,452	Aug. 16	2676	561	111	1669
Strowger Automatic Telephone Exchange. (See Erickson, John H., assignor.)						
Strowger Automatic Telephone Exchange. (See Guttman, Harry J., assignor.)						
Strowger Company. (See Strowger, Walter S., assignor.)						
Strowger, Walter S., assignor to Strowger Company, Rochester, N. Y. Chemical fire-extinguisher	762,502	June 14	1738	373	110	1835
Struben, Henry, Chicago, Ill. Flasi	758,350	Apr. 26	4202	915	109	2312
Struble, John B., Shepherd, Mich. Beet-harvester	759,138	May 3	1080	219	110	246
Struble, Robert D., assignor of one-half to J. J. Cain, Philadelphia, Pa. Release-hinge	750,908	Feb. 2	245	55	108	1111
Strubler, Charles G., assignor to G. H. Faine, Detroit, Mich. Cheese-cutter	771,843	Oct. 11	1230	273	112	1337
Struck, Wilhelm, Friedenau, near Berlin, assignor to B. Polack, Wallershausen, Thüringen, Germany. Fastening for mass tires	777,314	Dec. 13	1665	369	113	1812
Struhs, Frank, Grand Rapids, Mich. Ventilating-pipe for sewer systems	755,254	Mar. 22	3996	886	109	922
Struller, William F., et al. (See Dollard, Thomas, assignor.)						
Strümpf, Ludwig, Hanover, Germany. Device for the automatic exhibition of series of objects	760,581	May 24	3962	840	110	942
Strunk, Harry E. E., Upland, Cal. Cord-adjuster	780,819	May 24	4499	951	110	1050
Strutz, Charles O., Washington, Mo. Mandrel for pipe-shelacking machines	770,390	Sept. 20	2404	508	112	578
Stryker, Burdett, Washington, D. C., assignor to American Telephone and Telegraph Company. Selective signaling for polystation telephone-circuits	750,396	Apr. 5	926	49	109	1968
Stuart, Albert H., assignor to E. E. Stuart, Boston, Mass. Article-carrier	752,266	Dec. 13	1570	350	113	1790
Stuart, Arthur A., Elgin, Ill. Kneading device	754,026	Mar. 8	1614	359	109	372
Stuart, Emma E. (See Stuart, Albert H., assignor.)						
Stuart, Frank, Ritzville, Wash. Wrench	749,908	Jan. 19	3752	590	108	649
Stuart, Frank H., Toronto, Canada. Fare-box	766,779	Aug. 2	1324	280	111	1335
Stuart, Harve B. and A. B. Reynolds, Wilkesburg, Pa. assignors to Westinghouse Electric & Manufacturing Company. Time-limit relay for electric circuits	751,571	Feb. 9	1459	331	108	1389
Stuart, James L. (See Paul and Stuart.)						
Stuart, Joseph, Wilmington, Del. Calendaring-rolls	762,211	June 7	1132	242	110	1685
Stuart, Luttrell H., assignor of one-half to N. Rousseau, Sr., Chicago, Ill. Incandescent-electric-light socket	778,393	Dec. 27	3816	833	113	2298
Stuart, Orion K., assignor of one-half to W. R. Watson, Indianapolis, Ind. Acetylene-gas generator	749,757	Jan. 19	2474	527	108	589
Stuart, Robert F., Logansport, Ind. Railway signal or alarm	758,485	Apr. 26	4531	973	109	2372
Stuart, Solomon L., Ventura, Cal. Sanitary cabinet	775,410	Nov. 22	3785	800	113	913
Stuart, Ulysses B., assignor of one-half to O. Armbruster, Philadelphia, Pa. Sign	777,645	Dec. 13	2329	511	113	1953
Stuart, William F., Cleveland, Ohio. Whiffletree-plate	772,587	Oct. 18	2781	612	112	1597
Stub, Hans. (See Quiller and Stub.)						
Stubbers, Joseph. (See Gabriel and Stubbers.)						
Stubbers, Joseph. (See Wernsing and Stubbers.)						
Stubbers, Joseph, Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Air-mixing pipe for vapor-burners	764,159	July 5	503	99	111	111
Stubbers, Joseph, Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Air-mixing pipe for vapor-burners	764,160	July 5	505	99	111	112
Stubbers, Joseph, Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Vapor-generator	766,122	July 26	4441	952	111	1005
Stubbers, Joseph, Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Safety appliance for gasoline-tanks	766,778	Aug. 2	1321	279	111	1335
Stubbers, Joseph, Covington, Ky., assignor to Incandescent Light & Stove Company, Cincinnati, Ohio. Manife-holder for gas-burners	777,267	Dec. 13	1571	350	113	1791
Stubbs, Arthur. (See Tillotson and Stubbs.)						
Stubbs, Frank W., Manistee, Mich. Candy-cutter	760,270	May 17	3364	708	110	791
Stubbs, Herman O., Newark, Ohio. Shoestring-fastener	777,563	Dec. 13	2167	476	113	1920
Stubbs, Quincy, Cincinnati, Ohio. Pleasure-wheel	774,209	Nov. 8	1317	280	113	314
Stuber, Joseph, et al. (See Morgan, Alfred W., assignor.)						
Stuber, Joseph, Peoria, Ill. Ear and bail for culinary vessels	778,340	Dec. 27	3730	814	113	2280
Stubner, Friedrich H., East Rutherford, N. J. Elastic heel	751,817	Feb. 9	1926	436	108	1486
Stuckel, Frank C., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Means for shifting the tubes of pneumatic straw-stackers or other purposes	765,403	July 19	3004	629	111	696
Stucki, Arnold. (See Lindström and Stucki.)						
Stucki, Arnold, Allegheny, Pa. Dumping-car	751,497	Feb. 2	1211	376	108	1315
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Metallic brake-beam	750,732	Jan. 26	4331	936	108	1007
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Railway-truck	752,308	Feb. 16	2871	639	108	1716
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Metallic railway-car	752,309	Feb. 16	2874	639	108	1716
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Door-operating device for hopper-cars	752,310	Feb. 16	2876	640	108	1717
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Metallic car	752,311	Feb. 16	2879	641	108	1718
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Metallic underframe for cars	752,478	Feb. 16	3189	711	108	1784
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Co., Pittsburg, Pa. Under-frame for cars	761,262	May 31	5363	1138	110	1260
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Co., Pittsburg, Pa. Metallic car-frame	761,263	May 31	5366	1140	110	1261
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Co., Pittsburg, Pa. Mining-car	761,264	May 31	5369	1141	110	1261
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Co., Pittsburg, Pa. Tank-car	769,924	Sept. 13	1500	320	112	856
Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Cast truck-boiler	776,813	Dec. 6	701	155	113	1581

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Stucki, Arnold, Allegheny, assignor to Standard Steel Car Company, Pittsburg, Pa. Trussed-car-bolster	778,814	Dec. 6	703	156	113	1582
Stucki, Arnold, Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Stock-car	751,436	Feb. 2	1210	276	108	1314
Stucki, Arnold, Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Tank-car	751,438	Feb. 2	1213	277	108	1315
Stucki, Arnold, Allegheny, assignor to Pressed Steel Car Company, Pittsburg, Pa. Stock-car	772,974	Oct. 25	3547	768	112	1783
Sucky, Allan C., San Antonio, Tex. Steam-boiler	778,701	Dec. 6	468	104	113	1530
Suey, Leonard, Thurman, Iowa. Cutting apparatus for mowing-machines.	772,934	Oct. 11	1579	353	112	1310
Stuebner, Gustavus L., Flushing, N. Y. Flexible-wheel-base car	763,807	June 28	4344	943	110	2441
Stuefe, Ludwig, Cincinnati, Ohio. Hose-coupling	772,975	Oct. 25	3549	768	112	1783
Sulliken, Henry P., Edwardsville, Ill. Wheel-block	770,510	Sept. 20	2615	554	112	624
Sultz, Benjamin F., Elkhart, Ind. Composite fence-post.	766,550	Aug. 2	827	174	111	1222
Sump, Ira E., assignor of one-half to H. J. Poppenhagen, Cleveland, Ohio. Wrench.	768,703	Aug. 30	5298	1111	111	2287
Stumpf, Johann, Charlottenburg, Germany. Steam or gas turbine	750,316	Jan. 26	3531	763	108	837
Stumpf, Johann, Charlottenburg, Germany, assignor to General Electric Company. Steam-turbine	760,035	May 17	2916	609	110	690
Stumpf, Johann, Charlottenburg, Germany, assignor to General Electric Company. Steam-turbine	760,036	May 17	2917	610	110	691
Stumpf, Johann, Charlottenburg, Germany, assignor to General Electric Company. Steam-turbine	760,037	May 17	2918	610	110	691
Stumpf, Johann, Charlottenburg, near Berlin, Germany, assignor to General Electric Company. Turbine	766,293	Aug. 2	316	64	111	1110
Stumpf, Johann, Charlottenburg, Germany, assignor to General Electric Company. Steam or gas turbine	777,865	Dec. 20	2786	611	113	2065
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,449	June 14	1626	353	110	1811
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,450	June 14	1620	353	110	1812
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,451	June 14	1631	354	110	1812
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,452	June 14	1635	354	110	1813
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,453	June 14	1638	354	110	1814
Sturgeon, John C., Erie, assignor of one-half to A. F. Dobler, Girard, Pa. Elastic-fluid turbine	762,454	June 14	1640	355	110	1814
Sturgeon, Samuel H. (See Sherbondy and Sturgeon.)	763,808	June 28	4346	943	110	2441
Sturges, Hollister, New York, N. Y. Collapsible megaphone	774,797	Nov. 15	2466	332	113	586
Sturges, Lee, Elmhurst, Ill. Milk-can	770,615	Sept. 20	2808	507	112	967
Sturges, Robert, Watervliet, N. Y. Gas-stove	768,966	Aug. 30	5510	1220	111	2406
Sturgis, Francis M., assignor of two-thirds to F. P. and H. L. Bivins, Shelbyville, Ill. End-gate hanger for wagons	770,876	Sept. 27	3933	704	112	801
Sturgis, Herbert M., Kansas City, Mo. Automatic inkstand	755,328	Mar. 22	4137	915	109	952
Sturgis, Herbert M., assignor of two-thirds to I. H. Shoemaker and F. E. Wear, Kansas City, Mo. Automatic drop-fixture	755,329	Mar. 22	4140	915	109	952
Sturgis, Herbert M., assignor of one-half to A. H. Brown and A. Livingston, Kansas City, Mo. Curtain-fixture	763,219	June 21	3182	685	110	2172
Sturgis, Nelson H., Guthrie, Okla. Ter. Wire-stretcher	769,878	Sept. 13	1411	301	112	337
Sturgis, Nelson H., and M. S. Allen, Guthrie, Okla. Ter. Mail-box	757,513	Apr. 19	2608	572	102	1929
Sturgis, Walter W., Troy, Kans. Street-lamp post	778,283	Dec. 27	4615	789	113	2356
Sturma, William, Philadelphia, Pa. Beater, mixer, and masher for eggs, cream, vegetables, &c.	768,086	Aug. 23	3998	840	111	1983
Sturtevant, Charles A., Plainfield, N. J., assignor to Welvant Manufacturing Company, of New York. Side-register for sheet-folding or other machines	753,993	Mar. 8	1445	394	109	333
Sturtevant, Charles A., Plainfield, N. J., assignor to Welvant Manufacturing Company, of New York. Delivery mechanism for sheet-folding or other machines	759,570	May 10	1968	409	110	473
Sturtevant, Charles A., Plainfield, N. J., assignor to Welvant Manufacturing Company, of New York. Folding-machine	763,644	June 28	3909	872	110	2368
Sturtevant Mill Company. (See Sturtevant, Thomas L. and T. J., assignors.)						
Sturtevant, Orange S., Adrian, Mich. Dies for joining intersecting wires	755,961	Mar. 29	5362	1188	109	1244
Sturtevant, Orange S., Adrian, Mich. Tie for wire fencing	772,186	Oct. 11	1962	434	112	1394
Sturtevant, Orange S., assignor to Adrian Wire Fence Company, Adrian, Mich. Dies for tying intersecting wires	755,185	Mar. 22	3869	854	109	896
Sturtevant, Orange S., assignor to Adrian Wire Fence Company, Adrian, Mich. Tie for wire fences	760,271	May 17	3365	708	110	792
Sturtevant, Thomas E., Dover, N. J. Direct-acting engine	760,165	May 17	3184	667	110	750
Sturtevant, Thomas J. (See Sturtevant, Thomas L. and T. J.)						
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Double carbureter for explosive-engines	755,074	Mar. 22	3678	807	109	857
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Mechanical feeding device	758,119	Apr. 26	3818	888	109	2214
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Pneumatic-tire guard	759,982	May 17	2705	568	110	642
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Multiple oil-pump	762,108	June 7	985	194	110	1640
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Clutch-device power-transmitting mechanism	766,551	Aug. 2	828	174	111	1222
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Clutch device	766,552	Aug. 2	835	175	111	1223
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Roll crushing-mill	777,448	Dec. 13	1923	425	113	1868
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Motor-vehicle	778,810	Dec. 27	4630	1011	113	2477
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. Motor-vehicle	778,811	Dec. 27	4632	1011	113	2478
Sturtevant Mill Company, Portland, Me., and Boston, Mass. Crushing and grinding mill	759,643	May 10	2153	442	110	504
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass. assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Turning apparatus for roll-tires	759,644	May 10	2155	443	110	503
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Portland, Me. Apparatus for dressing crushing-rolls	759,931	May 17	2703	567	110	642

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Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Vertical crushing and grinding mill	761,334	May 31	5505	1173	110	1291
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Newton Center, Mass., assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Shaking-screen	755,330	Mar. 22	4141	916	109	933
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Newton Center, Mass., assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Grinding-mill	761,333	May 31	5502	1172	110	1290
Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Newton Center, Mass., assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Crushing-machine	777,227	Dec. 13	1502	333	113	1775
Sturtevant, Thomas L., Newton, and T. J. Sturtevant, Quincy, Mass., assignors to Sturtevant Mill Company, Portland, Me., and Boston, Mass. Screen	755,073	Mar. 22	3675	807	109	856
Sturtz, John D., Youngwood, Pa. Packing-gland for throttle-stems	756,731	Apr. 5	1035	229	109	1564
Stut, John C. H., Oakland, Cal. Manufacturing gas and coke	766,400	Aug. 2	513	109	111	1153
Stut, John C. H., Oakland, Cal. Apparatus for the manufacture of gas and coke	766,533	Aug. 2	837	175	111	1225
Stut, John C. H., Oakland, Cal. Manufacturing gas	766,554	Aug. 2	842	176	111	1226
Stut, John C. H., Oakland, Cal. Apparatus for making gas and coke	766,555	Aug. 2	846	177	111	1226
Stutchbury, William T., Northfleet, and C. Gorick, Gravesend, England. Perforator mechanism for preparing the composing-strip of type setting and casting machines	751,421	Feb. 2	1185	270	108	909
Stutsman, Martin P., Cumberland, Ind. Dowel-machine	755,255	Mar. 22	3997	837	109	922
Stutsman, Reuben O., Peoria, Ill. Self-locking steering-gear for automobiles	764,161	July 5	507	99	111	112
Stutz, Charles C., assignor to Pittsburgh Plate Glass Company, Pittsburg, Pa. Grinding glass	760,093	May 17	2919	610	110	691
Stutz, Charles C., assignor to Pittsburgh Plate Glass Company, Pittsburg, Pa. Grinding glass	760,765	May 24	4338	998	110	1027
Stutzman, Frank, Williamsport, Pa. Cutter-head	753,528	Mar. 1	601	137	109	151
Stuurman, John H. G. (See Dietmann, Wilhelm, assignor.)						
Style Manufacturing Co. (See Hacker, Emanuel M., assignor.)						
Submarine Signal Company. (See Millet and Mundy, assignors.)						
Submarine Signal Company. (See Muddy, Arthur J., assignor.)						
Submarine Signal Company. (See Mundy and Smith, assignors.)						
Success Non-Refillable Bottle Stopper Company. (See Schindhelm, Franz, assignor.)						
Such, Benjamin J., Washington, D. C. Printing-roller	758,486	Apr. 26	4533	974	109	2373
Such, Benjamin J., Washington, D. C. Multicolor-printing press	760,372	May 17	3367	709	110	792
Suh, Charles H., and T. Heath, Providence, R. I. Roller-die	761,732	June 7	365	74	110	1321
Suckert, Edward C., Detroit, Mich. Loose-leaf ledger or binder	768,153	Aug. 23	4151	873	111	2016
Suckert, Edward C., Detroit, Mich. Loose-leaf ledger or binder	772,847	Oct. 18	3278	715	112	1705
Suddard, William A., Providence, R. I. Motor-bicycle	750,317	Jan. 26	3532	763	108	837
Sudre, François, Paris, France. Musical instrument	759,933	May 17	2706	568	110	643
Sues, George W., Omaha, assignor to F. D. Kees, Beatrice, Nebr. Adjustable-hook corn-husker	749,408	Jan. 12	1759	372	108	418
Suetterle, John W. (See Keding, Louis, assignor.)						
Suhr, Herman G., assignor of one-half to S. A. Sancier, New York, N. Y. Flagpole	756,989	Apr. 12	1545	340	109	1686
Suiter, Albert E., Lockhaven, Pa. Rotary steam-engine	739,571	May 10	2000	409	110	473
Sulfer, Charles, San Antonio, Tex., assignor to International Railway Supply Co., Chicago, Ill. Automatic railway-switch lock	759,934	May 17	2707	568	110	643
Sulixx, Theodor, Duquesne, Pa. Shade-fixture	770,511	Sept. 20	2616	535	112	624
Sulkey, John J., Rosendale, N. Y. Rail-joint	768,087	Aug. 23	4000	841	111	1984
Sulkin, Michael. (See Brennenstuhl and Sulkin.)						
Sullivan, Albert W., and W. Renshaw, Chicago, Ill. Structural beam for railway-cars	733,934	Mar. 8	1448	325	109	334
Sullivan, Albert W., and W. Renshaw, Chicago, Ill. Sliding car-door	764,606	July 12	1636	334	111	374
Sullivan, Albert W., and W. Renshaw, Chicago, Ill. Sliding car-door	777,819	Dec. 20	2677	589	113	2043
Sullivan, Charles A., Windsor, Canada, assignor of one-half to E. J. Woodison, Detroit, Mich. Regulating-valve for lubricators	761,425	May 31	5677	1208	110	1331
Sullivan, Charles A., P. J. Sweeney, Windsor, Canada, and E. J. Woodison, Detroit, Mich. Ventilator attachment for water-closet bowls	766,815	Dec. 6	705	156	113	1582
Sullivan, Charles E., Warrensburg, Mo. Kitchen-cabinet	767,669	Aug. 16	3100	648	111	1764
Sullivan, Daniel, St. Louis, Mo. Coin-controlled dispensing apparatus	757,690	Apr. 19	2973	647	109	2011
Sullivan, Daniel F., assignor to Lawrence Manufacturing Company, Lowell, Mass. Knitting-machine. (Reissue)	12,251	July 26	4543	971	111	1027
Sullivan, Daniel F., assignor to Lawrence Manufacturing Company, Lowell, Mass. Knitting-machine	770,942	Sept. 27	3461	731	112	831
Sullivan, Francis C., McKeesport, and L. S. Harris, Pittsburg, Pa. Trolley-wheel guard for electric wires	763,245	Aug. 23	4318	908	111	2052
Sullivan, George G., Monmouth, Ill. Vending-machine	762,602	June 14	1941	442	110	1878
Sullivan, George L., Kansas City, Mo. Knife-sharpening-machine	772,542	Oct. 15	2688	590	112	1577
Sullivan, Jerry, Buffalo, N. Y. Tire	778,153	Dec. 20	3333	736	113	2182
Sullivan, John F., Chicopee, Mass. Spring-bed	754,235	Mar. 8	2047	475	109	466
Sullivan, John J., Ipswich, Mass., assignor, by mesne assignments, to Singer Manufacturing Company. Sewing-machine for forming groups of stitches	777,564	Dec. 13	3169	477	113	1921
Sullivan, John L., Warren, R. I. Lawn-mower	763,125	June 21	2986	645	110	2126
Sullivan, John L., assignor of one-half to J. Harris, Warren, R. I. Trolley-wheel guard for electric wires	777,049	Dec. 6	1180	257	113	1689
Sullivan Machinery Company. (See Officer, Thomas, assignor.)						
Sullivan, Maurice, New York, N. Y. Pipe-covering	754,256	Mar. 8	2048	455	109	466
Sullivan, Michael E., New Bedford, assignor to Draper Company, Hopedale, Mass. Spooler-guide	761,018	May 24	4881	1032	110	1137
Sullivan, Michael J. (See Sullivan, William, and M. J.)						
Sullivan, Neil A., and W. F. Ryan, assignors of one-third to W. Link, Cincinnati, Ohio. Soldering-iron	765,641	July 19	3470	738	111	786
Sullivan, Peter B., and G. F. Taylor, Randolph, Mass. Car-fender	760,662	May 24	4138	880	110	980
Sullivan Printing Works Company. (See Sullivan, William T., and M. J., assignors.)						
Sullivan, Stephen D., Cartwright, Tex. Apparatus for straightening ax-handles	768,490	Aug. 23	4816	1009	111	2166
Sullivan, Thomas, Belleville, Canada. Reversing-valve for steam-engines	761,426	May 31	5678	1208	110	1331
Sullivan, William, et al. (See Gillaspay, John T., assignor.)						
Sullivan, William B., et al. (See Patton, Matthew E., assignor.)						
Sullivan, William T., and M. J., assignors to Sullivan Printing Works Company, Cincinnati, Ohio. Advertising-card	735,902	Mar. 29	5383	1188	109	1245

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Sullivan, William T. and M. J., assignors to Sullivan Printing Works Company, Cincinnati, Ohio. Advertising-card.....	755,968	Mar. 29	5384	1188	109	1245
Sulman, Henry L. (See Catermole, Sulman, and Kirkpatrick-Picard.)						
Sulzberger, Nathan, New York, N. Y. Preventing fires.....	704,964	July 12	2192	-----	111	496
Sulzen, Herman J., Sacramento, Cal. Malt-making machine.....	751,026	Feb. 2	449	106	108	1157
Sulzer, Gebrüder. (See Reuter, theor., assignor.)						
Suman, Charles A. (See Woltz and Suman.)						
Summa, Victor M., New York, N. Y. Dump-car.....	755,412	Mar. 23	4293	949 950	109	987
Summers, Bertrand S., Chicago, Ill. Apparatus for retting vegetable fibers.....	774,856	Nov. 15	2594	556 557	113	614
Summers, Edgar W., Wilkensburg, Pa. Car.....	778,384	Dec. 27	3817	833 834	113	2299
Summers, Herbert E. (See Summers, Jesse and H. E.)						
Summers, Horace W. (See Hill, Raymond L., assignor.)						
Summers, Jesse and H. E., assignors to Indianapolis Watchman Clock Company, Indianapolis, Ind. Watchman's time-recorder.....	767,433	Aug. 16	2680	562 563	111	1670
Summers, Samuel L., Philadelphia, Pa. Making acetyl-salicyl-phenetidin.....	778,556	Dec. 27	4149	-----	113	2371
Summers, William, Chicago, Ill. Furnace.....	755,186	Mar. 22	3871	854	109	896
Summerscales, Samuel H., Winnipeg, Canada. Cattle-guard.....	772,754	Oct. 18	3122	680	112	1669
Summit Thread Company. (See Bates, Henry A., assignor.)						
Sumner, Hilton S. (See Leighton, James H., assignor.)						
Sumner, John L., Bayard, Iowa. Window-sash support and lock.....	778,385	Dec. 27	3820	834	113	2299
Sumner, Lawson, Colorado Springs, Colo. Coin counting and delivery machine.....	757,362	Apr. 12	2294	500 501	109	1847
Sumner Manufacturing Company. (See Hudson, Feinberg, and Siegel, assignors.)						
Sumner, William A., G. W. Brewer, and J. K. Gibson: said Sumner assignor of one-half to J. M. Jones, Clay Center, Nebr. Rural mail-delivery system.....	757,787	Apr. 19	3167	687 688	109	2053
Sumner, William J., Holyoke, assignor to Coburn Trolley Track Manufacturing Company, Williamansett, Mass. Overhead trolley.....	764,692	July 12	1638	334 370	111	874
Sumner, Wiam J., Holyoke, assignor to Coburn Trolley Track Manufacturing Company, Williamansett, Mass. Trolley for overhead tracks.....	764,780	July 12	1807	371	111	412
Sumner, William J., Holyoke, assignor to Coburn Trolley Track Manufacturing Company, Williamansett, Mass. Switch for overhead-trolley tracks.....	764,781	July 12	1809	371	111	412
Sumpter, Cecil L. (See Williamson and Sumpter.)						
Sunday, Thomas J. (See Hooper and Sunday.)						
Sunderland, Daniel G., Providence, R. I., assignor of one-half to A. T. Parker, North Attleboro, Mass. Lacing.....	767,720	Aug. 16	3186	668	111	1784
Sunderland, John. (See Duckworth and Sunderland.)						
Sunderland, Joseph, et al. (See Tower, William G., assignor.)						
Sunderland, Ralph E., et al. (See Lester, John E., assignor.)						
Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company. Hoisting-gear for elevators.....	757,788	Apr. 19	3169	688 689	109	2053
Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company. Elevator brake mechanism.....	757,789	Apr. 19	3170	688 689	109	2054
Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Electric controller.....	772,067	Oct. 11	1720	383	112	1343
Sundh, August, Yonkers, N. Y., assignor to William E. Quimby, Incorporated. Water-elevating apparatus.....	755,985	Nov. 22	4176	880	113	908
Sundh, August, and D. L. Lindquist, Yonkers, N. Y., assignors to Otis Elevator Company, East Orange, N. J. Hoisting apparatus.....	772,065	Oct. 11	1581	354	112	1311
Sunlight Gas Machine Company. (See Powell, Luther P., assignor.)						
Sunny, Bernard E., Chicago, Ill., assignor to General Electric Company. Trolley.....	764,392	July 5	995	202	111	221
Superior Automatic Telephone Company. (See Jackson, Uriah S., assignor.)						
Superior Mill Company. (See Morrison, Dudley R., assignor.)						
Suppes, Maximilian M., Elyria, Ohio. Leading-spindle and coupling for rolling-mills.....	768,201	Aug. 23	4230	888	111	2033
Suppes, Maximilian M., Elyria, Ohio. Coupling for rolling-mill shafts.....	768,202	Aug. 23	4231	889	111	2033
Suppes, Maximilian M., and O. Phelps, Elyria, Ohio. Drying-oven.....	768,203	Aug. 23	4232	889	111	2034
Suppnick, Gottfried, New Salem, N. D. Bomb.....	760,820	May 24	4471	951 952	110	1050
Surmann, Charles, and R. D. Douglas, Fall River, Mass. Tube or roll forming machine.....	749,114	Jan. 5	1135	241	108	262
Surplus, Charles W., Chicago, Ill. Reicing-platform.....	755,075	Mar. 22	3681	837	109	857
Surprise, Charles, Stockport, N. Y. Carding-machine.....	761,427	May 31	5679	1209	110	1331
Susemihl, Theodor, New York, N. Y. Umbrella.....	752,723	Feb. 23	3689	822	108	1912
Sussfeld, Lorsch & Co. (See Batault, Emile, assignor.) (Reissue.)						
Sussman, Leon, Bayonne, N. J. Pipe-joint.....	771,682	Oct. 4	910	205	112	1154
Sutcliffe, Adam. (See Swift, John P., assignor.)						
Sutcliffe, Arthur G., et al. (See Sutcliffe, George W., assignor.)						
Sutcliffe, Edgar R., assignor to Sutcliffe, Speakman and Company, Limited, Leigh, county of Lancaster, England. Mold for brick-making machines.....	765,907	July 26	4020	858 859	111	915
Sutcliffe, Edgar R., assignor to Sutcliffe, Speakman and Company, Limited, Leigh, county of Lancaster, England. Brick-making machine.....	766,074	July 26	4339	930 932	111	983
Sutcliffe, George W., assignor to R. Sutcliffe, Marple, England, and A. G. Sutcliffe, Chicago, Ill. Compound engine.....	775,318	Nov. 22	3582	757	113	866
Sutcliffe, Rachel, et al. (See Sutcliffe, George W., assignor.)						
Sutcliffe, Spelman and Company. (See Sutcliffe, Edgar R., assignor.)						
Suter, Franz, Berlin, Germany. Cement.....	774,286	Nov. 8	1450	-----	113	344
Sutherland, Emil, assignor to J. T. Pollock, Los Angeles, Cal. Lawn-sprinkler.....	754,172	Mar. 8	1881	419 420	109	431
Sutherland, Jesse H., Dawkins, Colo. Combined school seat and desk.....	749,640	Jan. 12	2219	468	108	516
Sutherland, John. (See Eidler, John A., assignor.)						
Sutherland, John. (See Granger, John, assignor.)						
Sutherland, Murdoch E., Westville, Canada. Rifle-sight.....	752,809	Feb. 23	3838	861 862	108	1945
Sutherland, Thomas, assignor of three-fourths to G. R. Zickrick, Hutchinson, Minn. Wire fabric.....	757,344	Apr. 12	2050	447	109	1796
Sutliff, Henry B., Ravenna, Ohio. Rail.....	774,401	Nov. 8	1658	354	113	389
Sutro, Harry H., assignor of one-half to L. M. Booth, New York, N. Y. Apparatus for purifying water.....	765,259	July 19	2711	564 565	111	623
Sutter, Charles F., Black Diamond, Wash. Harp-holder.....	769,509	Sept. 6	729	157	112	165
Sutter, Frederick C., et al. (See McCurdy, Charles B., assignor.)						
Sutton, Albert E., Thomas, assignor of one-half to J. B. Jenkins, Albert, W. Va. Whiffletree-hook.....	768,635	Aug. 30	5140	1080	111	2255
Sutton, Charles E., et al. (See Finlayson, Alexander W., assignor.)						
Sutton, Edgar O., Detroit, Mich. Machine for forming butter pats.....	768,704	Aug. 30	5389	1111 1112	111	2287

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Sutton, Frank, Mattoon, Ill. Broom-corn harvester.	767,775	Aug. 16	3282	692 693 694	111	1805
Sutton, Henry S., Newark, N. J. Trunk	772,684	Oct. 18	2965	651	112	1637
Sutton, Howard A., et al. (See Du Bois, Charles F., assignor.)						
Sutton, Isaac. (See Du Bois, Charles F., assignor.)						
Sutton, John W., New York, N. Y. Cooling attachment for internal-combustion engines.	752,459	Feb. 16	3191	712	108	1785
Sutton, John W., Brooklyn, N. Y. Cooling attachment for internal-combustion engines.	753,013	Feb. 23	4273	952	108	2043
Sutton, John W., Brooklyn, and J. A. Rennie, New York, N. Y. Revolving door	762,362	June 14	1445	314	110	1771
Sutton, Thomas J., New York, N. Y. Sash-lock for windows.	749,641	Jan. 12	2222	469	108	517
Sutton, Thomas J., New York, N. Y. Sash-lock for windows.	749,642	Jan. 12	2224	469	108	517
Sutton, William, Taberock, Neb. Kilo	763,821	May 24	4472	952	110	1051
Sutton, William S., assignor to America Company, Rockford, Ill. Boring apparatus.	771,186	Sept. 27	3949	833	112	936
Suydam, Frank E., Victoria, Ill. Farm-roller	773,605	Nov. 1	133	28	113	35
Suzuki, Tozaburo, Sunamura, Japan. Piled vacuum evaporating apparatus	764,393	July 5	997	202	111	222
Svenson, Charles W., assignor to Corbin Screw Corporation, New Britain, Conn. Electric ignition device for internal-combustion motors	771,683	Oct. 4	911	205	112	1154
Svensson, John A. (See Hill and Svensson.)						
Swacick, Judson D., assignor of one-half to H. Bentley, New Brighton, Pa. Detachable spring-hinge	776,153	Nov. 29	5294	1120	113	1262
Swadley, Harrison W., Carbondale, Kans. Hay-stacker	778,431	Dec. 27	3914	853	113	2330
Swagerty, Dolphus A., Knoxville, Tenn. Holder for abrading-sheets	751,117	Feb. 2	611	112	108	1187
Swain, Frederick F., Chicago, Ill. Metallic packing	774,402	Nov. 8	1660	356	113	389
Swain, George F. (See Kellogg, Henry E., assignor.)						
Swain, George F. (See Kellogg and Swain.)						
Swain, George F., assignor of one-half to H. E. Kellogg, Harvey, Ill. Carburetor for gas-engines	756,908	Apr. 12	1333	308	109	1653
Swain, George F., assignor of one-half to H. E. Kellogg, Harvey, Ill. Carburetor for explosive-engines	775,614	Nov. 22	4234	892 893	113	1012
Swain, James H., assignor of one-half to Press Publishing Company, Pittsburg, Pa. Printing color display	778,341	Dec. 27	3732	814	113	2280
Swain, Lillian, New York, N. Y. Device for drying the hair	768,967	Aug. 30	5512	1221	111	2407
Swain, Verne L. (See Fisher, Charles, assignor.)						
Swaine, James J., Baltimore, Md. Grain-drier for cars	776,872	Dec. 6	828	178	113	1609
Swales, Frank, New York, N. Y. Bit	760,355	May 17	3516	740	110	825
Swan, Alfred, New York, N. Y., assignor to General Electric Company. Machine for making bases for incandescent electric lamps	774,403	Nov. 8	1663	357	113	390
Swan, Alfred, New York, N. Y., assignor to General Electric Company. Base for incandescent lamps	774,404	Nov. 8	1667	358	113	391
Swan, Alfred, New York, N. Y., assignor to General Electric Company. Working glass. Base for incandescent lamps	774,708	Nov. 8	2239	438	113	513
Swan, Alfred F., Bayonne, N. J., and A. W. Rose, assignors of one-half to Patent Development Company of America, New York, N. Y. Dry battery	775,689	Nov. 22	4386	926	113	1044
Swan, Anna G., Bayonne, N. J. Dress-shed fastener	757,422	Apr. 12	2419	527	109	1873
Swan, Arthur H., E. G. Skillings, and F. J. Finnegan, West Everett, Mass. Peel-blade tip	763,334	June 21	3933	735	110	2214
Swan, Henry C., Cleveland, Ohio. Seat-lock	772,735	Oct. 18	3123	680	112	1070
Swan, Henry C., Cleveland, Ohio. Body-hanger for vehicles	754,173	Mar. 8	1884	450	109	432
Swan, Henry C., Cleveland, Ohio. Body-hanger for vehicles	756,075	Mar. 29	5574	1280	109	1286
Swan, Henry C., Cleveland, Ohio. Seat-iron for carriage-tops	757,363	Apr. 12	2299	501 502	109	1849
Swan, Henry C., Cleveland, Ohio. Combined dash-foot and dash-brace	758,393	Apr. 26	4356	937	109	2331
Swan, Henry C., Cleveland, Ohio. Spring-shackle for vehicles	763,126	June 21	3932	734	110	2216
Swan, John T., Auburn, Neb. Hay-rack for wagons	763,335	June 21	3384	736	110	2214
Swan, John W., assignor to John W. Swan Company, Lima, Ohio. Starting device for explosive-engines	750,318	Jan. 26	3534	763	108	837
Swan, John W., assignor to John W. Swan Company, Lima, Ohio. Gas-engine	771,028	Sept. 27	3635	766	112	868
Swan, Joseph W., See Kendall, James A., assignor.)						
Swan, Thomas, Flint, Mich. Foot-rest for seats	757,245	Apr. 12	2051	447	109	1797
Swan, William B., Seymour, Conn. Bit-extender	759,042	May 3	907	184	110	208
Swan, William B., Seymour, Conn. Tool-handle	769,282	Sept. 6	290	68	112	62
Swan, William W., trustee. (See Stone, John S., assignor.)						
Swan, William W., Frankfort, S. D. Ground-anchor	768,705	Aug. 30	5293	1112	111	2288
Swanberg, Arthur W., assignor of one-half to G. F. Green, Minneapolis, Minn. Non-refillable bottle	767,530	Aug. 16	2539	593	111	1706
Swanitz Company. (See Fatic, Henry, assignor.) (Reissue.)						
Swank, Christian J., Oakland, Kans. Return-ticket-voucher envelop	766,075	July 26	4342	932	111	984
Swann, Will R., assignor to Hallwood Cash Register Company, Columbus, Ohio. Credit account	750,557	Jan. 26	3990	863	108	932
Swannell, Frederick O. (See Lawther, Alfred B., assignor.)						
Swanson, Albert V., Minot, N. D. Vehicle-pole tip	755,964	Mar. 29	5384	1188	109	1245
Swanson, Herman S. (See Bieler, John E., assignor.)						
Swanson, John W., Ballard, Wash. Rotary machine	763,336	June 21	3385	736	110	2214
Swanson, Martin, et al. (See Neubauer, Carl E., assignor.)						
Swanson, Samuel J., Galesburg, Ill. Fastener for shoes	774,957	Nov. 15	2794	596	113	657
Swanson, Swan F., Pueblo, Colo. Railway-car	767,253	Aug. 9	2289	479	111	1566
Swanson, Swan F., Pueblo, Colo. Vehicle-wheel	767,254	Aug. 9	2291	480	111	1567
Swanson, Swan F., Pueblo, Colo. Dumping-car	771,684	Oct. 4	912	206	112	1154
Swanson, Swan F., Pueblo, Colo. Dumping-car	771,685	Oct. 4	914	206	112	1154
Swanson, Swan F., Pueblo, Colo. Dumping-car	774,614	Nov. 8	2057	449	113	473
Swanson, Swan F., Pueblo, Colo. Vehicle-wheel	778,084	Dec. 20	3223	708	113	2153
Swanston, R. W. (See Hawkins, Charles G., assignor.)						
Swanstrom, John E. (See Jones and Swanstrom.)						
Swarens, John F., Oskaloosa, Iowa. Carriage-top	764,394	July 5	1001	203	111	222
Swart, Samuel A., Mount Vernon, assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Tuck-marking attachment	770,481	Sept. 20	2553	544	112	609
Swartwout, Denton K., Cleveland, Ohio. Separating device	767,721	Aug. 16	3187	668	111	1784
Swartwout, Willis B., Milwaukee, Wis. Dry-cup attachment for boilers.	753,446	Mar. 1	425	100	109	92
Swartz, Albert L., assignor of one-half to A. L. Martin, Junction City, Oreg. Enlarging attachment for cameras	772,976	Oct. 25	3550	768	112	1783
Swartz, Albert L., and A. R. Martin, Junction City, Oreg. Multiplying attachment for cameras	767,021	Aug. 9	1820	382	111	1465
Swartz, Herman F., East Cleveland, Ohio. Lamp for photographic dark rooms	798,088	Aug. 23	4001	841	111	1984
Swartz, Hiram B., Wooster, Ohio. Self-heating sad-iron	770,196	Sept. 13	2004	423	112	467
Swartz, Jennie A., Pittsburg, Pa. Toy	771,187	Sept. 27	3951	833	112	936
Swatling, James H. (See Daughtair, Robert, assignor.)						
Swedenborg, Swan, Ashtabula, Ohio. Clam-shell bucket. (Reissue)	12,191	Jan. 12	2369	500	108	549

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Sweder, August M., Marquette, Mich. Gas-engine	778,154	Dec. 20	3355	736 737	113	2183
Sweed, Frederick, and G. L. Farnsworth, Turtlecreek, Pa. Hose-coupling	764,395	July 5	1002	203	111	323
Sweeney, Henry G., Chicago, Ill. Water-cooler	752,810	Feb. 23	3843	862	108	1846
Sweeney, Henry G., Chicago, Ill. Filter	752,873	Feb. 23	3968	889	108	1974
Sweeney, John M., <i>et al.</i> (See Osborn, Francis C., assignor.)						
Sweeney, Peter J. (See Sullivan, Sweeney, and Woodson.)						
Sweeney, Vardiman T., Mount Washington, Ky. Barrel-head	765,688	July 26	3586	761	111	825
Sweeney, Patrick J., Allegheny, Pa. Spoke	769,510	Sept. 6	730	158	112	165
Sweeney, Thomas J., assignor to J. V. Kennedy and A. S. Deutsch, Cleveland, Ohio. In- jector for steam-boilers	757,849	Apr. 19	3277	709	109	2076
Sweet, Albert A., Fall River, Mass. Grid-bar for cotton-pickers	768,409	Aug. 23	4662	977	111	2135
Sweet, Arthur J., assignor of one-third to G. W. Sweet and S. Smith, Ann Arbor, Mich. Feed-water heater	758,718	May 3	271	54	110	70
Sweet, Berton W. (See Wysard, Hermann P., assignor.)						
Sweet, Charles A. (See Morris, John H., assignor.)						
Sweet, Daniel J., Pittsfield, Mass. Cabinet	768,966	Aug. 30	5814	1221	111	2407
Sweet, Frank E., Carbondale, Colo. Locking-snap	761,859	June 7	497	100	110	1550
Sweet, Geo. W., <i>et al.</i> (See Sweet, Arthur J., assignor.)						
Sweet, Hollie, Girard, Pa. Device for feeding solutions to boilers	765,154	July 12	2539	531	111	567
Sweet, Ira N., Aurora, Ill. Interest-computing machine	768,089	Aug. 23	4003	842 843	111	1984
Sweet, Ira N., Aurora, Ill. Sliding-door lock	777,449	Dec. 13	1925	425	113	1869
Sweet, John M., assignor to Sweet Tire and Rubber Company, Batavia, N. Y. Machine for setting rubber tires	772,068	Oct. 11	1723	383 384	112	1344
Sweet, John M., assignor to Sweet Tire & Rubber Company, Batavia, N. Y. Metal se- curing-rim for elastic wheel-tires	772,069	Oct. 11	1736	384	112	1344
Sweet, Lartine C., assignor of one-half to C. Wyckoff, Loami, Ill. Vehicle-thill	765,210	July 19	2631	518	111	606
Sweet, Orr & Company. (See Talcott, Edward C., assignor.)						
Sweet Tire and Rubber Company. (See Sweet, John M., assignor.)						
Sweetland, Frank, <i>et al.</i> (See Sweetland, William W., assignor.)						
Sweetland, James, <i>et al.</i> (See Sweetland, William W., assignor.)						
Sweetland, John B., North Reading, Mass. Hitching device	768,090	Aug. 23	4008	843	111	1985
Sweetland, William W., Edwardsburg, Mich., assignor of two-thirds to F. and J. Sweet- land, Angola, N. Y. Clutch mechanism	751,027	Feb. 2	452	106	108	1158
Sweetser, George, Upper Norwood, assignor to E. C. L. Syndicate, Limited, London, England. Incandescent electric lamp and switch	778,155	Dec. 20	3357	737	113	2183
Swenson, Claus H., Minneapolis, Minn. Detachable heel-calk for shoes	767,183	Aug. 9	2163	451	111	1538
Swenson, Frank A., Kansas City, Mo. Elevator-gate	767,850	Aug. 16	3447	729 730	111	1839
Swenson, Gustaf T., San Pedro, Cal. Electrically-produced-sound intensifier	751,818	Feb. 9	1927	437	108	1496
Swenson, Henry A., St. Paul, Minn. Drafting implement	754,513	Mar. 15	2628	570	109	610
Swenson, Henry A., Lindstrom, Minn. Drafting implement	759,935	May 17	2710	569	110	643
Swenson, John A., <i>et al.</i> (See Spangler, Samuel C., assignor.)						
Swenson, Lorens, Cresco, Iowa. Device for overcoming dead-centers	766,914	Aug. 9	1632	341 342	111	1421
Swenson, Magnus, <i>et al.</i> (See Pope, Frederick B., assignor.)						
Swenson, Olof P., <i>et al.</i> (See Spangler, Samuel C., assignor.)						
Swenson, Werner, Austin, Tex. Machine for pulling cotton-stalks	762,771	June 14	2295	501	110	1953
Swett, Charles E., Providence, R. I., assignor of one-half to R. H. Hutchison, New York, N. Y. Recovering wool-fat	761,285	May 31	5371	.....	110	1262
Swift, Edward A. (See Swift, Francis E. and E. A.)						
Swift, Edwin E. (See Sandmeyer, John H., assignor.)						
Swift, Francis E. and E. A., Washington, Iowa. Brick-pallet and truck	757,068	Apr. 12	1705	370	109	1721
Swift, Frederic J., trustee. (See Cardwell, George A., assignor.)						
Swift, George L., Chicago, Ill. Fuel-feeding apparatus	764,693	July 12	1639	335	111	374
Swift, George W., Jr., Bordentown, N. J. Printing-machine	759,936	May 17	2711	570 569	110	644
Swift, John P., assignor of three-fourths to A. Sutcliffe, Pawtucket, R. I. Braiding- machine	757,423	Apr. 12	2420	527 528 529	109	1874
Swift, Orin P., Quincy, Mass. Appliance for scrubbing	752,124	Feb. 16	2515	559	108	1635
Swift, William R., Philadelphia, Pa. Vibrator for molding apparatus	766,096	Nov. 29	5067	1072	113	1213
Swift, Willis C. (See Mills, Charles, assignor.)						
Swigart, William H., Lucas, Ohio. Road-bed construction for railways	755,810	Mar. 29	5069	1125	109	1172
Swihart, James, New Lebanon, Ohio. Mail-bag catching and delivering device	765,078	June 21	2902	626	110	2108
Swihart, James A. (See Yocum and Swihart.)						
Swihart, Virgil D., Denver, Colo. Razor-stripper	751,422	Feb. 2	1187	270	108	1309
Swilley, Samuel A., Pavo, Ga. Ratchet-wrench	760,766	May 24	4360	927	110	1027
Swinscoe, Charles, Clinton, Mass. Fire-belt or apron	766,742	Aug. 2	1232	261	111	1314
Swindell, James D., assignor to American Furnace and Machine Co., Pittsburg, Pa. Rolling-mill	759,326	May 10	1529	308	110	368
Swindell, James G., Baltimore, Md. Bottle	773,453	Oct. 25	4553	982	112	2030
Swindell, John W., Greenville, Tex. Inhaler and respirator	758,719	May 3	272	54	110	70
Swindell, Walter E., Chicago, Ill. Chain-iron	761,186	May 31	5295	1106	110	1226
Swinehart, James A., Akron, Ohio. Tire for vehicle-wheels	753,646	Mar. 1	817	183	109	177
Swinehart, James A., Akron, Ohio. Vehicle-tire	761,335	May 31	5307	1173	110	1291
Swinehart, James A., Akron, Ohio. Vehicle-tire	771,947	Oct. 11	1466	393	112	1284
Swinehart, James A., Akron, Ohio. Vehicle-tire	772,636	Oct. 18	2867	630	112	1615
Swinton, Robert H., Victoria, Canada. Rolling ruler	758,796	May 3	437	87	110	108
Swink, Clarence J., Lebanon, Ohio. Railway-tie	775,480	Nov. 22	3934	831	113	545
Swink, Edward E., Rockyford, Colo. Molding appliance	771,508	Oct. 4	372	128	112	1080
Swint, Jesse J., Stroud, Ala. Automatic car-coupling	771,105	Sept. 27	3784	798	112	901
Swisher, William, Danville, Ill. Vehicle-brake	768,780	Aug. 30	5424	1142	111	2318
Switzer, George W., New York, N. Y. Pipe-repairer	763,809	June 28	4317	944	110	2442
Switzer, Oscar S., Chicago, Ill. Cover attachment for receptacles	751,881	Feb. 9	2043	463	108	1513
Swoboda, Hans O., East Orange, N. J. Panel-board	763,125	Feb. 16	2516	560	108	1635
Swoboda, Julius, Hamburg, Germany. Petroleum incandescent lamp	768,828	Aug. 30	5534	1164 1165	111	2341
Swonson, John E., Des Moines, Iowa. Railway-switch	764,264	July 5	711	144	111	157
Sword, Edwin C. (See Tiffany and Sword.)						
Swoyer, Harry, Louisville, Ky. Locomotive-grate shaker	759,466	May 10	1847	372	110	439
Sybilla, Frank. (See Barditzky, Herman, assignor.)						
Sykes, Charles A. (See Walker, Robert, assignor.)						
Sykes, Samuel, Dursbury, England. Mechanism for drawing and twisting or spinning worsted or other yarns	775,690	Nov. 22	4389	926	113	1044

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Sykora, Charles, Amo, Minn. Steam generator.....	763,079	June 21	2906	626	110	2109
Sylvester, Cyrus O., Leavenworth, Kans. Windmill.....	752,126	Feb. 16	2517	560	108	1686
Sylvester, Jürgen H., Dundee, Ill. Ditching-machine.....	774,458	Nov. 8	1761	561	113	410
Symington, Thomas H., Baltimore, Md. Railway journal-box.....	764,506	Nov. 5	1229	252	111	208
Symington, Thomas H., Baltimore, Md. Railway journal-box.....	764,507	July 5	1230	252	111	269
Symington, Thomas H., Roland Park, Md. Dust-guard for journal-boxes.....	764,508	July 5	1231	252	111	269
Symington, Thomas H., Baltimore, Md., assignor to T. H. Symington Company. Dust-guard for axle-boxes.....	764,162	July 5	508	100	111	112
Symington, Thomas H., Baltimore, Md., assignor to T. H. Symington Company. Grinding-machine.....	766,978	Aug. 9	1750	367	111	1450
Symington, Thomas H., assignor to T. H. Symington Company, Baltimore, Md. Dust-guard for journal-boxes.....	769,670	Sept. 6	1002	217	112	228
Symmering, Pa. Fluid-pressure-regulating device.....	764,079	July 5	343	66	111	75
Symmonds, Robert, assignor to T. B. Jeffery, Kenosha, Wis. Power transmitting and reversing mechanism.....	775,409	Nov. 22	3781	800	113	912
Symonds, Henry, Longbeach, assignor to L. F. Kistler, Los Angeles, Cal. Acetylene-gas burner.....	755,965	Mar. 29	5385	1189	109	1345
Symonds, Joseph A., Newton, Mass. Collapsible tube.....	766,556	Aug. 2	849	178	111	1237
Symonds, William J., Seattle, Wash. Potato-digger.....	759,387	May 17	2715	370	110	644
Symons, Frederick, Burwood, near Sydney, New South Wales, Australia. Cushion for horseshoes.....	772,685	Oct. 18	2967	651	112	1637
Symons, William J., Oskaloosa, Iowa. Means for operating cellar or trap doors.....	768,869	Aug. 30	5616	1180	111	2360
Symons, Wilson E., et al. (See Parker, James A., assignor.).....						
Symons, Wilson E., Cleburne, Tex. Distillation and information board.....	771,335	Oct. 4	222	50	112	1008
Syndicat pour l'Exploitation des Inventions du Professeur Oettil. (See Oettil, Jacques, assignor.).....						
Synnestvedt, Paul, Pittsburg, Pa. Sleeping-car.....	767,507	Aug. 16	2793	584	111	1696
Synnestvedt, Paul, Glenview, Ill., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-regulating device.....	749,974	Jan. 19	2880	616	108	676
Synnestvedt, Paul, Glenview, Ill., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-regulating device.....	749,975	Jan. 19	2882	616	108	677
Syracuse Chilled Plow Company. (See Baker, Herbert N. and G. N., assignors.).....						
Syracuse Machine Company. (See Austin and Farnam, assignors.).....						
Syracuse Rawhide Manufacturing Company. (See Anderson, James A., assignor.).....						
Syracuse Time Recorder Company. (See Snow, Arthur E., assignor.).....						
Szczepanik, Jan, assignor to Société des Inventions Jan Szczepanik & Co., Vienna, Austria-Hungary. Production of endless cards for weaving purposes.....	760,039	May 17	2920	611	110	691
Székel, Charles S., Sr., New York, N. Y., assignor, by mesne assignments, to Metal Casting Company of America. Mould-coating.....	772,439	Oct. 18	2485	.....	112	1534
Székel, Charles S., Sr., New York, N. Y., assignor, by mesne assignments, to Metal Casting Company of America. Casting metals.....	772,440	Oct. 18	2486	.....	112	1534
Szépe, Joseph, Allegheny, Pa. Hose-coupling.....	778,537	Dec. 27	4150	904	113	2371
Szucs, John, Turtlecreek, Pa. Lock.....	758,294	Apr. 26	4357	937	109	2332
Szult, Geza, and W. Hackl, Budapest, Austria-Hungary. Electric-arc lamp.....	762,503	June 14	1739	372	110	1335
T. Coulthard & Company. (See Norris, William, assignor.).....						
T. A. Gillespie Company. (See Kronauer, Max, assignor.).....						
T. C. Dill Machine Company. (See Dill, Thomas C., assignor.).....						
T. C. Entwistle Company. (See Brooks, Albert F., assignor.).....						
T. H. Symington Company. (See Symington, Thomas H., assignor.).....						
T. W. & C. B. Sheridan Company. (See Hess, Albert, assignor.).....						
Tabak, Leopold, New York, and C. S. Champion, Brooklyn, assignors to J. Mahl, New York, N. Y. Supporting device for coats, hats, umbrellas, &c.....	752,480	Feb. 16	3193	712	108	1785
Tabb, William E., Brooklyn, N. Y. Lock.....	778,284	Dec. 27	3616	790	113	2256
Taber, Edward E., Pratt, Kans. Twyer attachment for blacksmiths' forges.....	759,768	May 10	2385	498	110	556
Taber, Samuel W. (See Heilrich and Taber.).....						
Tabler, Clifford W. (See Wickesham, Tabler, and Stewart.).....						
Tabor, Joseph A., and J. L. Murphy, Scranton, Miss. Extension-casket.....	756,297	Apr. 5	211	43	109	1389
Tabor, Nathaniel M. (See Collom, Martin H., assignor.).....						
Tabulating Machine Company. (See Hollerith, Herman, assignor.).....						
Tache, Simon, Cleveland, Ohio. Hot-water furnace.....	756,909	Apr. 12	1388	308	109	1564
Tack, Frank J., Waupun, Wis. Book-mark.....	761,556	May 31	5903	1265	110	1381
Tackaberry, Robert D., Lewiston, Me. Steam-trap.....	771,686	Oct. 4	915	207	112	1154
Tafel, Edward F., assignor of one-half to J. C. Gormley, Pittsburg, Pa. Hollow pole.....	765,053	July 12	2351	487	111	528
Tafel, Edward F., assignor of one-half to J. C. Gormley, Pittsburg, Pa. Telegraph-pole.....	765,054	July 12	2352	487	111	528
Tafel, Edward F., assignor of one-half to J. C. Gormley, Pittsburg, Pa. Apparatus for forming tapered tubes.....	765,055	July 12	2353	488	111	528
Tafel, Louis O. (See Denk, Simon, assignor.).....						
Tafel, Louis O. (See Elliott, George C., assignor.).....						
Taft, Charles W., Cline, Okla. Ter. Mechanical toy.....	775,950	Nov. 29	4903	1035	113	1172
Taft, Frank, Montclair, N. J., assignor to Aeolian Company, New York, N. Y. Spool for perforated music-sheets.....	767,723	Aug. 16	3188	668	111	1774
Taft, Frank, Montclair, N. J., assignor to Aeolian Company, New York, N. Y. Music-sheet.....	778,205	Dec. 20	3445	758	113	2199
Taft, Jerome C., Providence, R. I. Machine for making tags.....	752,001	Feb. 16	3433	767	108	1840
Tagatz, Henry A. (See Bioly, Charley, assignor.).....						
Tagatz, Henry A. (See Trebert, Louis, assignor.).....						
Taggart, Andrew J., Allegheny, Pa. Boiler-flue.....	759,043	May 3	908	184	110	208
Taggart, George, Olathe, assignor of one-half to M. Cleary, Paola, Kans. Knuckle-pin support. (Reissue.).....	12,265	Aug. 23	5010	1050	111	2309
Tagliabue, Charles J. (See Hohmann, August B., assignor.).....						
Tagliaferri, Joseph, New York, N. Y. Mechanical movement.....	751,218	Feb. 2	822	189	108	1232
Tague, Edgar G., Indianapolis, Ind. Combined bevel and square.....	761,336	May 31	5508	1174	110	1292
Tague, Homer E., Indianapolis, Ind. Rotary tooth-brush.....	770,400	Sept. 20	2406	508	112	578
Tainsh, William A., Portland, Me. Suspensory bandage.....	757,153	Apr. 12	1887	412	109	1762
Tait, Alfred D., Evanston, Ill. Whiffletree-hook.....	771,844	Oct. 11	1232	274	112	1337
Tait, Arthur W., Vancouver, Canada. Saw-carriage for cutting bevel-boards.....	775,787	Nov. 22	4564	968	113	1082
Tait, Felix B. (See Curtis, Edmund A., assignor.).....						
Tait, Florence N. (See Jones, Louis A., assignor.).....						
Tait, James S. (See Jones, Alfred W., assignor.).....						
Takamine, Jokichi, New York, N. Y. Glandular extractive compound.....	753,177	Feb. 23	4566	.....	108	2109
Talbert, Charles R., et al. (See Keller, Louis F., assignor.).....						
Talbert, Daniel H., Indianapolis, Ind. Coffee-pot.....	772,481	Oct. 18	2577	567	112	1533

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Talbert, Jesse, Wagoner, Ind. Ter. Wrench	760,273	May 17	3370	709	110	793
Talbert, Jesse, Wagoner, Ind. Ter. Rail-clamp	767,851	Aug. 16	3451	730	111	1841
Talbot, Benjamin, Leeds, England, and P. Gredit, Luxemburg, Germany, assignors to Continuous Metal Refining Company, Philadelphia, Pa. Manufacture of steel and ingot-iron	749,115	Jan. 5	1138		108	263
Talcott, Edward C., assignor to Sweet, Orr & Company, Newburgh, N. Y. Combination-garment	762,363	June 14	1448	1314	110	1772
Talcott, Frank T., and B. F. Kerr, Ashtabula, Ohio. Self-winding electric clock	753,757	Mar. 1	1035	235	109	222
Talkhophone Syndicate. (See Runge, Walter C., assignor.)	777,890	Dec. 20	2679	589	113	2044
Talley, George W., assignor of one-half to R. D. McKown, Atlanta, Ill. Telephone-transmitter	776,960	Dec. 6	1007	215	113	1650
Tallman, James W., Beamsville, Canada. Boiler	750,909	Feb. 2	247	55	108	1112
Tally, Richard C., Nathan, Tex. Stalk-cutter	766,401	Aug. 2	518	110	111	1154
Talmage, John G., Cleveland, Ohio. Locomotive-boiler cleaner	753,487	May 10	1850	373	110	440
Tamamura, Yusuke, Ashio, Japan. Hoisting and conveying apparatus	770,545	Sept. 20	2685	567	112	639
Tambour, Joseph. (See Neuber and Tambour.)				569		
Tandy, John L., Horton, Kans. Cabinet	759,769	May 10	2387	498	110	556
Tandy, John L., Horton, Kans. Cabinet	759,770	May 10	2388	498	110	556
Tandy, John L., Horton, Kans. Sample-display trunk	768,091	Aug. 23	4009	1843	111	1986
Tandy, John L., Horton, Kans. Display-cabinet	774,117	Nov. 1	1152		113	261
Tangerman, William J., Hammond, Ind. Revolving scrubbing-machine	773,436	Oct. 25	4633	982	112	2030
Tann, Alexander, Brooklyn, N. Y. Life-preserver	763,518	June 28	3771	815	110	2319
Tann, Alexander, Brooklyn, N. Y. Life-preserver	769,847	Sept. 13	1364	292	112	327
Tanner, Charles P., assignor of one-half to E. M. Jones, Macon, Ga. Ventilator	758,730	May 3	274	55	110	70
Tanner, De Witt C., assignor to Western Electric Company, Chicago, Ill. Signal apparatus for telephone-switchboards	750,771	May 10	2390	499	110	557
Tanner, Julius R., Pittsburg, Pa. High-pressure valve	751,572	Feb. 9	1463	331	108	1389
Tapley, John E., assignor of one-half to M. L. Toole, J. E. Johnston, and G. Hanson, Cass Lake, Minn. Wire-fastener for metallic posts	774,501	Nov. 8	1852	401	113	490
Taplin, Alvin, Forestville, Conn. Machine for washing oranges	772,441	Oct. 18	2497	544	112	1533
Taplin Manufacturing Company. (See Angerbover, George J., assignor.)						
Taplin Manufacturing Company. (See Goodrich, Fred, assignor.)						
Taplin, Walter J., Arlington, assignor of one-half to J. B. Gardner, Brookline, Mass. Device for registering printers' forms	764,163	July 5	509	100	111	113
Tapp, James W., Wichita, Kans. Brake	751,337	May 31	5510	1174	110	1292
Tappan, Dewitt, Rochester, N. Y. Tool-handle	756,732	Apr. 5	1037	230	109	1564
Tarbett, William A., Stoneham, assignor to W. B. Cohen, Salem, Mass. Paper-feeding mechanism	750,319	Jan. 26	3536	764	108	898
Tarbox, Alfred B., Chelsea, Mass. Stud and pin coupling	750,501	Jan. 26	3871	840	108	911
Tarleton, George H., Watertown, Mass. Supporting device for damper-chains or the like	778,285	Dec. 27	3618	790	113	2256
Tarleton, R. B. (See Phillips, Edward, assignor.)						
Tarner, Alonzo, Shippensburg, Pa. Match-box	774,615	Nov. 8	2059	449	113	473
Tartsch, Herkuland, Hohenstein, Germany. Suspender attachment	773,902	Nov. 1	738	157	113	169
Tartt, John J., Los Angeles, Cal.rolley-pole	750,733	Jan. 26	4335	936	108	1009
Tasker, Vernon C., assignor to United States Ordnance Company, Washington, D. C. Breach-loading ordinance	751,761	Feb. 9	1806	412	108	1459
Tasker, Vernon C., Bridgeport, Conn., assignor to American Ordnance Company, Norfolk, Va. Auxiliary barrel for breach-loading guns	757,790	Apr. 19	3174	689	109	2035
Tasker, Vernon C., Washington, D. C., assignor to Société Générale des Freins Lipkowski, Paris, France. Air-brake accelerator	766,915	Aug. 9	1624	342	111	1421
Tasker, Vernon C., Washington, D. C., assignor to Société Générale des Freins Lipkowski, Paris, France. Air-brake triple valve	767,318	Aug. 9	2401	502	111	1590
Tate, John B., Altoona, Pa. Flexible stay-bolt	753,329	Mar. 1	208	47	109	48
Tate Jones & Company. (See Dempsey, Ralph H., assignor.)						
Tate, Newton J., Weatherford, assignor to T. H. Coulter, San Antonio, Tex. Wire-working tool	769,879	Sept. 13	1413	301	112	337
Tate, Robert H., Portland, Ore. Support for bicycle handle-bars	757,154	Apr. 12	1888	412	109	1762
Tate, William, Greensboro, N. C. Heating and condensing feed-pump	754,826	Mar. 15	3220	701	109	738
Tatsch, Hubert H., Fredericksburg, Tex. Windmill-lubricator	772,187	Oct. 11	1963	434	112	1394
Tatters, Christopher and J., Eaglelake, Tex. Acetylene-gas generator	753,447	Mar. 1	426	100	109	92
Tatters, John. (See Tatters, Christopher and J.)						
Tattersall, Henry P., Hale, England. Photographic camera	757,691	Apr. 19	2976	647	109	2011
Tatterson, Arthur P., et al. (See Tillinghast, Joseph H., assignor.)						
Tatterson, Arthur P., assignor of one-half to G. W. Tatterson, Stockton, Cal. Forking, elevating and conveying machine	756,910	Apr. 12	1389	309	109	1654
Tatterson, George W. (See Tatterson, Arthur P., assignor.)						
Tatterson, George W., et al. (See Tillinghast, Joseph H., assignor.)						
Tatum, Daniel, Baltimore, Md. Detachable hood for freight-car doors	764,215	July 5	631	128	111	140
Tatum, James W., assignor of one-half to R. B. Boone and J. W. Smith, Durham, N. C. Fan attachment	760,936	May 24	4691	990	110	1097
Tatum, James W., Durham, N. C., and W. H. Parker, Maben, Miss., assignors to R. B. Boone, J. W. Smith, and J. W. Tatum, Durham, N. C. Automatic cut-off for gas-burners	777,565	Dec. 13	2174	478	113	1921
Tatum, James W., Durham, N. C., and W. H. Parker, Maben, Miss., assignors to R. B. Boone, J. W. Smith, and J. W. Tatum, Durham, N. C. Automatic cut-off for gas-burners	777,566	Dec. 13	2176	478	113	1922
Tatum, Rives, Boston, Mass. Attachment for eyeglass-lenses	760,040	May 17	2922	611	110	692
Tauber, Otto, Cairo, Ill. Chain-dog extractor	760,041	May 17	2923	611	110	692
Taussig, Leo. (See Rider, Granville S., assignor.)						
Taylor, Arthur K., Walbrook, Md. Sheet-delivery	775,319	Nov. 22	3585	757	113	866
Taylor, Benjamin F., Chase City, Va. Spring-gear for vehicles	774,405	Nov. 8	1670	358	113	392
Taylor Brothers Company. (See Heimbecker, Roland B., assignor.)						
Taylor, Charles A., Winchester, Ill. Non-refillable bottle	758,395	Apr. 26	4359	937	109	2332
Taylor, Charles C. (See Thomason, Henry A., assignor.)						
Taylor, Charles F. (See Spouse, Charles W., assignor.)						
Taylor, Charles F., Hartford, Conn. Machine for cutting pads or tablets	758,156	Apr. 26	3882	842	109	2230
Taylor, Charles F., Hartford, and G. M. McClelland, East Hartford, Conn.; said McClelland assignor to said Taylor. Paper-ruling machine	764,643	July 12	1538	843	111	352

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Taylor, Charles L., Wichita, Kans. Display-rack	769,848	Sept. 13	1365	292	112	328
Taylor, Charles M., Jr., Philadelphia, Pa. Means for making butter	755,256	Mar. 22	3998	857	109	423
Taylor, Clara B., Geneva, Ill. Safety pin	769,757	July 26	3728	799	111	852
Taylor, Clarence L., assignor to Morgan Engineering Company, Alliance, Ohio. Ingot-crane	754,910	Mar. 15	3374	737	109	771
Taylor, Clarence L., assignor to Morgan Engineering Company, Alliance, Ohio. Tongs for furnace-charging cranes	760,582	May 24	3963	840	110	942
Taylor, Clarence L., assignor to Morgan Engineering Company, Alliance, Ohio. Bloom-shears	774,287	Nov. 8	1457	312	113	344
Taylor, Clarence L., assignor to Morgan Engineering Company, Alliance, Ohio. Furnace-charging crane	777,450	Dec. 13	1928	426	113	1869
Taylor, Cleveland B., Toledo, Ohio. Soft-tread horseshoe	777,315	Dec. 13	1666	369	113	1813
Taylor, D. James. (See Rhodes, Amander, assignor.)						
Taylor, Doctor F., assignor of one-half to G. L. Hadden, Heflin, Ala. Wrench	767,581	Aug. 16	2880	593	111	1707
Taylor, Douglas and W. M., Toronto, Canada. Gas-igniting appliance	760,937	May 24	4692	999	110	1097
Taylor, Edward E., Amesbury, and C. P. Leonard, Chelsea, assignors to Gray & Davis, Amesbury, Mass. Lamp	764,396	July 5	1003	203	111	222
Taylor, Edwin F., Westchester, Pa. Rotary engine	752,602	Feb. 16	3439	768	108	1341
Taylor, Edwin F., New Decatur, Ala. Rotary engine	752,603	Feb. 16	3443	769	108	1842
Taylor, Edwin F., New Decatur, Ala. Rotary engine	732,604	Feb. 16	3447	770	108	1842
Taylor, Elias, Winchester, Ill. Leaf-turner	751,219	Feb. 2	823	180	108	1232
Taylor, Elwood E., Boston, Mass. Steering apparatus	763,701	June 28	4128	900	110	2396
Taylor, Elwood E., Boston, Mass. Underfeed stoker	778,812	Dec. 27	4634	1012	113	2475
Taylor, Emil G., Chicago, Ill. Automatic indicator-connecting snap	777,758	Dec. 20	2530	560	113	2014
Taylor, Ernest J., Needham, Mass. Rowing-machine	773,170	Oct. 25	4105	868	112	1918
Taylor, Eugene H. (See Crowell and Taylor.)						
Taylor, Eugene H., Lynn, Mass. Steam-boiler	775,096	Nov. 15	3072	652	113	725
Taylor, Frank L., Oakland, Cal., assignor to Acme Automatic Advertising Company. Roll-paper-printing attachment	778,813	Dec. 27	4636	1012	113	2473
Taylor, Fred A., and N. E. Flint, San Francisco, Cal. Combined purse and hose-supporter	763,519	June 28	3772	815	110	2319
Taylor, Frederick W. (See Barth, Gantt, and Taylor.)						
Taylor, Frederick W. (See Moon, Dewitt A., assignor.)						
Taylor, Frederick W., assignor to E. & T. Fairbanks & Company, St. Johnsbury, Vt. Relieving-gear for portable weighing-scales	759,044	May 3	909	185	110	208
Taylor, Frederick W., Philadelphia, Pa., and S. C. Newbold, Jobstown, N. J. Metal-boring tool	748,890	Jan. 5	636	143	108	142
Taylor, Geoffrey H., Goldendale, Wash. Buggy-top support	771,948	Oct. 11	1468	393	112	1285
Taylor, George B. (See Voynow and Taylor.)						
Taylor, George F. (See Sullivan and Taylor.)						
Taylor, George H., Norfolk, Va. Copying-press	764,694	July 12	1641	385	111	375
Taylor, George W., et al. (See Harris, William A. and B. S. H., assignors.)						
Taylor, George W., Boston, Mass., and J. W. Scott, Warren, Me. Attachment for card-ing-machines	754,514	Mar. 15	2629	570	109	611
Taylor, Gustavus B. (See Morse, Frederick H., assignor.)						
Taylor, Henry G. (See Paton and Taylor.)						
Taylor, Henry H., Bridgeport, Conn. Fastener for ladies' belts	755,811	Mar. 29	5070	1126	109	1172
Taylor, Herbert B., Newark, N. J. Automatic block-signaling system	762,009	June 7	771	158	110	1606
Taylor, Herbert M., Hamilton, Canada. Incandescent electric lamp	758,935	Mar. 8	1449	325	109	394
Taylor, Horace H., assignor of one-tenth to J. A. Curry, San Jose, Cal. Vehicle-wheel	766,780	Aug. 2	1329	281	111	1337
Taylor, Huston, St. Paul, Minn. Fountain-pen-filling device	756,076	Mar. 29	5575	1231	109	1286
Taylor, Izora. (See Taylor, James H. and I.)						
Taylor, J. Saunders. (See Williams, George S., assignor.)						
Taylor, Jacob, Prairie Depot, Ohio. Rod-coupling	769,080	June 21	2907	627	110	2109
Taylor, James A., Wabash, Ind. Lifting apparatus	750,320	Jan. 26	3542	765	108	839
Taylor, James A., and W. Erskin, Waco, Ky. Door-securer	771,588	Oct. 4	728	161	112	1114
Taylor, James H., assignor to American Spiral Pipe Works, Chicago, Ill. Pipe	749,338	Jan. 12	1616	341	108	389
Taylor, James H. and I., Philadelphia, Pa. Garment supporter and fastener	768,082	Aug. 23	4015	844	111	1987
Taylor, Jeremiah A., Cohoes, N. Y. Machine for stretching collars	778,156	Dec. 20	3538	737	113	2133
Taylor, John, and D. H. Evans, Liverpool, England. Engine or like governor	768,573	June 28	3878	840	110	2342
Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. System of distribution	777,866	Dec. 20	2787	612	113	2065
Taylor, John D., assignor to Taylor Signal Company, Buffalo, N. Y. Railway switching and signaling apparatus	758,127	Feb. 16	2518	561	108	1636
Taylor, John D., assignor to Taylor Signal Company, Buffalo, N. Y. Railway switching and signaling apparatus	759,327	May 10	1530	308	110	369
Taylor, John E., Redbank, N. J. Wrench	767,319	Aug. 9	2403	503	111	2591
Taylor, John E., Nashville, Mich. Crepe-reeling machine	768,246	Aug. 23	4320	904	111	2053
Taylor, John E. S., assignor to Taylor Manufacturing Company, Limited, Detroit, Mich. Reamer	752,724	Feb. 23	3690	822	108	1913
Taylor, John L., Bozeman, Mont. Double lid for syrup-cups, &c.	767,917	Aug. 16	3570	755	111	1867
Taylor, John L., assignor of one-half to G. A. Johnston, Ottawa, Canada. Combined scoop and weighing apparatus	755,966	Mar. 29	5385	1189	109	1245
Taylor, John P., Cicero, Ind. Apparatus for making sheet-glass	770,832	Sept. 27	3254	686	112	783
Taylor, John W., Winchester, Ill. Music-leaf turner	753,758	Mar. 1	1037	236	109	223
Taylor, Joseph, Stockport, England. Hat	760,087	May 17	3011	629	110	713
Taylor, Kenneth R. (See Walker, Frederick G., assignor.)						
Taylor, Lawrence H., Fairview, Okla. Ter. Domestic press	761,890	June 7	500	100	110	1551
Taylor, Lloyd B., Chicago, Ill. Trunk	760,356	May 17	3518	740	110	825
Taylor, Louis C., trustee. (See Hartban, Frank E., assignor.)						
Taylor Manufacturing Company. (See Taylor, John E. S., assignor.)						
Taylor, Robert C., Brooklyn, N. Y. Non-chattering brake-hanger	768,956	June 21	2676	580	110	2058
Taylor Signal Company. (See Taylor, John D., assignor.)						
Taylor Signal Company. (See Taylor, John D., assignor.)						
Taylor, Theodore E. (See Cunliffe and Taylor.)						
Taylor, Thomas B. (See Ward, Charles H., assignor.)						
Taylor, Thomas D. (See Taylor, William F., Jr., assignor.)						
Taylor, Thomas H. (See Smith, Eugene, assignor.)						
Taylor, Thomas L., and E. C. Boeck, Medford, Oreg. said Boeck assignor to said Taylor. Pruning-shears	777,567	Dec. 13	2177	478	113	1922
Taylor, Thomas P., Bridgeport, Conn. Stocking-supporter	755,812	Mar. 29	5071	1126	109	1173

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Taylor, Vernal S., Cambridge, Mass. Liquid-dispensing apparatus.....	755,723	Mar. 29	4694	1089 (1090)	109	1134
Taylor, Virgil P., assignor of one-half to K. Lischkoff, Hattiesburg, Miss. Brake.....	766,916	Aug. 9	1625	842 (843)	111	1421
Taylor, Walter, Los Angeles, Cal. Ore-pulverizing mill.....	761,266	May 31	5372	1142	110	1262
Taylor, Walter F., Brookline, Mass., assignor to Holtzer Cabot Electric Company. Mag- neto.....	761,267	May 31	5373	1142	110	1263
Taylor, Warren H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Pin-tumbler lock.....	758,024	Apr. 19	3618	783	109	2152
Taylor, Warren H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Key for pin-tumbler locks.....	758,025	Apr. 19	3620	783	109	2152
Taylor, Warren H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Pin-lock.....	758,026	Apr. 19	3622	784	109	2152
Taylor, Warren H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Pin-lock.....	758,027	Apr. 19	3623	784	109	2153
Taylor, Warren H., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Check for sliding doors.....	760,583	May 24	3964	841 (843)	110	943
Taylor, Wilford H., Denver, Colo. Weather-strip.....	773,689	Nov. 1	301	66	113	72
Taylor, William, Sandiacre, England. Shunting lever or device for operating railway or tramway points or the like.....	765,604	July 19	3397	716	111	771
Taylor, William, Bonus, Pa. Oil-well pump.....	767,454	Aug. 16	2682	563	111	1670
Taylor, William A., French Camp, Miss. Side-harrow brace.....	761,735	June 7	307	39	110	1484
Taylor, William B. (See Sanford, Lewis H. and G. H., assignors.)						
Taylor, William B., Winterpark, Fla. Composition for preserving wood.....	759,938	May 17	2716		110	645
Taylor, William F. (See Scott and Taylor.)						
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Electric glow.....	748,810	Jan. 5	478	107	108	108
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Switch.....	748,811	Jan. 5	479	108	108	108
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Switch-throwing mechanism.....	748,812	Jan. 5	482	108	108	109
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Contact-shoe.....	748,813	Jan. 5	484	109	108	110
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Semaphore mechanism.....	748,814	Jan. 5	485	109	108	110
Taylor, William F., Jr., Providence, R. I., assignor of one-half to T. D. Taylor, Boston, Mass. Railway block-signal and switch.....	748,815	Jan. 5	848	110 (111)	108	111
Taylor, William H. (See Wallace and Taylor.)						
Taylor, William M., Weston, and W. Holle, St. Clara, W. Va. Door attachment.....	758,942	May 3	729	145	110	171
Taylor, William M., Weston, and W. Holle, St. Clara, W. Va. Wire-stretcher.....	768,160	Aug. 23	4152	874	111	2017
Taylor, William S., et al. (See Durkin, John P., assignor.)						
Taylor, William S. (See Renfrow, Frank N., assignor.)						
Taylor, Wilson & Company. (See Wilson, Howard M., assignor.)						
Tea Tray Company. (See Becroft, Clement, assignor.)						
Tea Tray Company. (See Eichhorn, Charles J., assignor.)						
Tea Tray Company. (See Rapke, Victor H., assignor.)						
Teachout, Royal B., Petoskey, Mich. Hot-water heating system.....	772,848	Oct. 18	3280	716	112	1705
Teague, Frederic, Oakland, Cal. Dental bridge.....	753,589	Mar. 1	603	137	109	131
Teahen, James M., Detroit, Mich. Stop and waste cock.....	754,515	Mar. 15	2633	571	109	612
Teal, Benjamin F., Philadelphia, Pa. Pneumatic vehicle-spring.....	770,128	Sept. 13	1863	896	112	437
Teas, Daniel H., New Haven, Conn., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Lathe-driver.....	770,546	Sept. 20	2690	569	112	641
Teats, David O. (See Folk and Teats.)						
Tecktonius, Emil C., Racine, Wis. Band-fastening.....	759,338	May 10	1535	308	110	369
Teegler, Robert, Heerd, near Düsseldorf, Germany. Engine-lathe.....	767,609	Aug. 16	2998	635	111	1743
Teel, Franklin L., Logan, Iowa. Metallic railway-tie.....	756,738	Apr. 5	1658	280	109	1564
Teepie, William S., Wellsburg, W. Va. Jar.....	763,810	June 28	3498	944	110	2442
Teeter, Ira, and B. E. Sly, Watertown, N. Y. Fifth-wheel.....	751,699	Feb. 9	1686	383	108	1435
Teeter, William M., Cripple Creek, Colo. Ballot-box.....	761,338	May 31	5511	1174	110	1292
Teeters, Jefferson D., W. J., and W. J., Newton, Nebr. Sickle and cutter-bar for harvesters. Teeters, William J. (See Teeters, Jefferson D., W. J., and W. J.)	762,104	June 7	937	194	110	1641
Teich, Ernest L. (See Arens and Teich.)						
Teicher, Max F., Weehawken, N. J. Wage-computing device.....	771,845	Oct. 11	1233	274	112	1237
Teichgraber, George, Marchienne au Pont, Belgium. Apparatus for heating air for sup- plying blast-furnaces.....	749,502	Jan. 12	1972	409 (410)	108	462
Teitlebaum, Henry, et al. (See Bell, Benjamin F., assignor.)						
Telautograph, Gesellschaft mit Beschränkter Haftung. (See Gruhn, Ernst K., assignor.)						
Telephone Appliance Company. (See Porter, Nathan B., assignor.)						
Teller, George L., Chicago, Ill. Baking-powder.....	749,643	Jan. 12	2225		108	517
Teller, Harrison, et al. (See Cope, Joseph H., assignor.)						
Tellman, John D. (See Mowery, Robert, assignor.)						
Temblett, William, and F. McCoy, Cleveland, Ohio. Means for covering and decorating graves.....	771,509	Oct. 4	573	129	112	1081
Temblett, William, and F. McCoy, Cleveland, Ohio. Flower-holder.....	774,288	Nov. 8	1459	313	113	345
Temperature Annunciator Company. (See Olson, John A., assignor.)						
Temple, Fred W., Canova, S. D. Tension device.....	754,516	Mar. 15	2634	572	109	612
Temple, Robert, assignor to American Expansion Pulley Company, Denver, Colo. Ex- pansion-pulley.....	759,139	May 3	1083	220	110	246
Templeman, Thomas, Gough, and R. A. D. Gough, assignors of one-third to G. Nicholls- Pratt, Uxbridge, England. Device for applying fog-signals to the rails of railways, for removing them, and for indicating their position, &c.....	777,451	Dec. 18	1930	426 (427)	113	1870
Templeton, James F., Winnipeg, Canada. Pneumatic straw-stacker.....	751,573	Feb. 9	1464	832	108	1390
Templeton, William G., Colorado Springs, Colo. Irrigating device.....	749,758	Jan. 19	2477	528	108	589
Templin, Olin (See Penfield and Templin.)						
Ten Broeck, Arthur H. (See English and Ten Broeck.)						
Ten Eyck, Edward N., assignor of one-half to J. G. Ludwig, Sprakers, N. Y. Railway- tie spacer.....	766,851	Aug. 9	1501	314	111	1393
Ten Eyck, Frank E., Auburn, N. Y. Pump.....	753,530	Mar. 1	604	138	109	131
Ten Winkel, August, Denver, Colo. Classifying or sizing apparatus.....	770,877	Sept. 27	3836	704 (705)	112	802
Tench, George H., Hazleton, Pa., assignor, by mesne assignments, to Aero Pulverizer Company, Jersey City, N. J. Feeding mechanism for granular material.....	756,298	Apr. 5	213	44	109	1389

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Tengwall File & Ledger Co. (See Wendland, Henry E., assignor.)						
Tengwall File & Ledger Company. (See Eddy, Thomas R., assignor.)						
Tenney, Alva L., Hartland, Wis. Freezing and bricking apparatus.	751,360	Feb. 2 1088	246	108	1289	
Tenney, Frederick, Goole, England. Venetian-window-blind clip.	757,155	Apr. 12 1891	412	109	1762	
Tenney, James F., Chicago, Ill. Time-stamp.	778,386	Dec. 27 3821	835	113	2300	
Tentschert, Henry, St. Louis, Mo. Loose-leaf binder.	767,670	Aug. 16 3102	649	111	1765	
Terjesen, Isaac H., assignor of one-half to C. H. Sanger, Boston, Mass. Bank.	755,257	Mar. 22 3999	887	109	923	
Terletzky, Max, Goble, Oreg. Locking garment-hanger.	759,772	May 10 2393	499	110	558	
Ternes, Joseph, Henderson, Ky. Wardrobe-bracket.	752,128	Feb. 16 3524	562	108	1697	
Ternström, Ernst. (See Nordenfält and Ternström.)						
Terpening, Frank W., St. Louis, Mo. Roofing or siding.	767,723	Aug. 16 3190	669	111	1784	
Terramorse, Frank, San Francisco, Cal. Coat.	762,772	June 14 2297	501	110	1954	
Terrell, Charles E., Bridgeport, Conn. Engine-governor.	766,076	July 26 4343	932	111	984	
Terrell, Clark M. and O. C., Grants Pass, Oreg. Treating pine-needles.	758,874	May 3 594	118	110	142	
Terrell, Emery L., et al. (See Farmer, Julius M., assignor.)						
Terrell, Oliver C. (See Terrell, Clark M. and O. C.)						
Terrell, Wales, Ansonia, Conn. Railway construction.	752,312	Feb. 16 2882	642	108	1719	
Terrell, Wales, Ansonia, Conn. Railway construction.	773,042	Oct. 25 3691	734	112	1819	
Terriff, William W., Portland, Mich. Wa-hing-machine.	770,989	Sept. 27 3517	748	112	851	
Terry, Alfred E., Redditch, England. Physical exerciser and developer.	766,743	Aug. 2 1233	261	111	1315	
Terry, Alfred E., Redditch, England. Spiral spring.	769,362	Sept. 6 448	100	112	99	
Terry, Alfred E., Redditch, England. Spring-grip for exercising purposes.	770,336	Sept. 30 2900	483	112	555	
Terry, Charles H., Bristol, Conn. Safety-hoe.	770,943	Sept. 27 3463	731	112	831	
Terry, Charles H., assignor to A. L. Sessions, Bristol, Conn. Trunk-stay.	766,917	Aug. 9 1630	343	111	1422	
Terry, Edward F., New York, N. Y. Rivet-holder.	748,816	Jan. 5 491	111	108	111	
Terry, Fred B., and P. E. Crothers, Grand Rapids, Mich. Shoe-fastening means.	751,220	Feb. 2 825	189	108	1233	
Terry, Le Grand, Waverly, N. Y. Fruit-picker.	776,961	Dec. 6 1009	216	113	1651	
Terry, Nellie C., Watertown, N. Y. Garment-hanger.	753,448	Mar. 1 427	109	99	99	
Terry, Orange S., Toledo, Ohio. Safety-razor.	766,471	Aug. 2 656	141	111	1189	
Terry, Robert E., Mobile, Ala. Single-track elevated railway for logs, &c.	755,960	Feb. 9 2305	496	108	1549	
Terry, Stephen J., Lawton, Pa. Pole.	751,413	Mar. 22 4238	950	109	988	
Terry, William, Peas City, Ill. Lifting-construction.	773,083	Dec. 20 3321	709	113	2133	
Terry, William E., Aspermont, Tex. Combination measuring instrument.	769,840	Sept. 13 1366	292	112	328	
Terryberry, David G., Kenosha, Wis. Stripping-tool.	777,568	Dec. 13 2178	478	113	1923	
Tersling, Hilmar, Copenhagen, Denmark. Machine for cleansing bottles.	770,387	Sept. 20 2301	484	112	555	
Terwilliger, Bertrand E., Lincoln University, Pa. Rain-coat.	758,487	Apr. 26 4535	974	109	2373	
Terzian, Dickran J., New York, N. Y. Mud-guard for trousers-legs.	768,029	June 21 2794	606	110	2084	
Tesar, Wilhelm. (See Nonnast and Tesar.)						
Tesch, Charles H., Milwaukee, Wis. Cabinet-bedstead.	773,606	Nov. 1 134	28, 29	113	35	
Tesch, Charles H., assignor to Portal Bed Company, Milwaukee, Wis. Wardrobe-bedstead.	772,006	Oct. 11 1583	354	112	1311	
Tesseyman, Henry, assignor to Barney & Smith Car Company, Dayton, Ohio. Car-truck.	754,027	Mar. 8 1616	360	109	372	
Tesseyman, Henry, assignor to Barney & Smith Car Company, Dayton, Ohio. Automatic lifting device for trap-doors.	778,513	Dec. 27 4076	888	113	2355	
Tesseyman, Henry, assignor to Barney & Smith Car Company, Dayton, Ohio. Centing device for draw-bars.	778,514	Dec. 27 4078	889	113	2355	
Tessmer, John A., Providence, R. I. Apparel-belt.	756,734	Apr. 5 1039	230	109	1565	
Test, Frank, Philadelphia, Pa. Marking-stamp.	765,110	July 12 2450	511	111	549	
Tetor, Fredrik, Stockholm, Sweden. Contact device for apparatus for lighting or extinguishing gas.	776,154	Nov. 29 5295	1120	113	1263	
Teter-Heany Developing Company. (See Heany, John A., assignor.)						
Tétrault, Amédée, Coaticook, Canada, assignor to Compagnie des Moulins à Coudre de Coaticook. Treadle.	778,721	Dec. 27 4455	975	113	2438	
Tetzlaff, Max, Pr. Stargard, Germany. Portable ladder.	773,488	Nov. 23 3945	834	113	947	
Tevendale, William, Jr., Paterson, N. J. Gas-cock.	776,816	Dec. 6 706	157	113	1582	
Tew, William A., Bowling Green, Ohio. Pencil sharpener and point protector.	752,935	Feb. 23 4122	918	108	2009	
Tewksbury, William K., Highlands, N. J. Binder.	764,019	July 5 204	37	111	48	
Textile-Finishing Machinery Company. (See Honeyman, Henry W., assignor.)						
Textile Machine Works. (See Janssen, Henry, assignor.)						
Textile Machinery Company. (See Martin, Fay H., assignor.)						
Thacher, William F. (See Larrierson, William H., assignor.)						
Thacker, Anson A., Smithville, assignor of one-half to J. L. Rauch, St. Louis, Mo. Hame-lug plate.	761,268	May 31 5374	1142	110	1263	
Thacher, Heenan, Atlanta, Ga. Plate-support.	785,404	July 19 3607	629	111	687	
Thain, Joseph A., Chicago, Ill. Adjustable window-shade support.	768,706	Aug. 30 5265	1112	111	2288	
Thalen, Gustav, Brooklyn, N. Y. Elevator.	756,735	Apr. 5 1040	231	109	1565	
Thalheimer, Albert, Reading, Pa. Box.	773,824	Nov. 1 545	119	113	126	
Thame, James, assignor to Oliver Mill Company, Limited, London, England. Impact pulverizer.	757,069	Apr. 12 1706	870	109	1721	
Thatcher, Alonzo J., Chillicothe, Ohio. Bolt-puller.	769,082	Aug. 30 5951	1246	111	2437	
Thayer, Adelbert H., assignor to Jackson Cushion Spring Company, Jackson, Mich. Automatic draft-regulator and smoke-preventer for furnaces.	752,011	Feb. 9 2317	517	108	1572	
Thayer, Edward D., et al. (See Crompton, Randolph, assignor.)						
Thayer, Horace N., Erie, Pa. Wheel-bub.	773,908	Nov. 1 739	157	113	169	
Thayer, Linus O., Montreal, Canada. Firearm.	776,270	Nov. 29 5520	1169	113	1313	
Thayer, Russell, Philadelphia, Pa. Electrically-propelled vehicle.	764,020	July 5 506	37, 38	111	49	
Thayer, Russell, assignor to Kitson Hydrocarbon Heating and Incandescent Lighting Company, Philadelphia, Pa. Oil-gas generator and burner.	750,558	Jan. 26 3992	863	108	932	
Thearie, Harry B., et al. (See Powers, James, assignor.)						
Theberath, Frederick W. (See Berghoff and Theberath.)						
Theige, George L., Westby, Wis. Door-opener.	749,339	Jan. 12 1617	342	108	390	
Thein, Eugene, Clara City, Minn. Grain-saving device for pneumatic stackers.	768,751	Aug. 30 5423	1143	111	2319	
Theis, Wilhelm, Düsseldorf, Germany. Stop-cock.	773,047	Oct. 11 1585	355	112	1312	
Teisen, Frederick. (See Henderson, Floyd W., assignor.)						
Theiss, Joseph F., Mendota, Ill. Display-rack.	749,464	Jan. 12 1899	395	108	447	
Therault, Thomas P., St. Francis, Canada, assignor to V. M. Therault, Fort Kent, Me. Potato digger and picker.	772,637	Oct. 18 2868	630	112	1615	

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Therault, Vincent M. (See Therault, Thomas P., assignor.)						
Thermograde Valve Company. (See Barnes, Walter E., assignor.)						
Thesieres, Ernest L., et al. (See Roche, John, assignor.)						
Theurer, W. L., et al. (See Griffin, George P., assignor.)						
Thexton Electric Envelope Sealer Co. (See Harrington and Schermack, assignors.)						
Thibault, Joseph C., et al. (See Bernier, Arthur, assignor.)						
Thibault, Onésime, Fall River, Mass. Car-fender	761,557	May 31	5903	1265 1266	110	1381
Thibault, Onésime, Fall River, Mass. Cover for dairy products	772,756	Oct. 18	3124	681	112	1670
Thibodeau, Charles, Somerville, Mass., assignor to P. Duff & Sons, Pittsburg, Pa. Candy-pulling machine	772,442	Oct. 18	2490	545	112	1535
Thiebeau, Robert A. (See Wilderman, George W., assignor.)						
Thiedemann, Hinry, Hickman, Neb. Sleigh-runner attachment for vehicles	749,887	Jan. 19	2712	579	108	641
Thiedemann, Hinry and J. H. Hickman, Neb. Draft-elever	774,343	Nov. 8	1565	335	113	369
Thiedemann, Jurgen H. (See Thiedemann, Hinry and J. H.)						
Thiel, Charles P. (See Damon and Thiel.)						
Thiele, Albert H., assignor to Stransky & Co., New York, N. Y. Cooking utensil	755,967	Mar. 29	5387	1189	109	1246
Thiele, Edmund, Barmen, Germany. Making artificial silk	750,502	Jan. 26	3873	841	108	911
Thiele, Henry P., Newark, N. J. Safety gas-cock	755,331	Mar. 22	4145	916	109	954
Thiele, Henry P., Newark, N. J. Safety gas-cock	755,332	Mar. 22	4147	917	109	954
Thiele, Henry P., Newark, N. J. Safety gas-cock	759,405	May 10	1701	345	110	405
Thielmann, Ernst, Berlin, Germany. Spring-stud						
Thielenhaus, Ewald. (See Thielenhaus and Vollmann.)						
Thielenhaus, Friedrich W. and E., and C. Vollmann, Elberfeld, Germany. Time gas-lighting mechanism	753,330	Mar. 1	209	47	109	48
Thierfelder, Eduard K., Kenosha, Wis. Embroidering attachment for knitting-machines	768,093	Aug. 23	4016	846	111	1988
Thiersch, Curt, St. Louis, Mo. Heating-lamp	751,118	Feb. 2	612	142	108	1191
Thies, Bernhard F., Portland, Oreg. Tool for roughening sidewalks	774,005	Nov. 1	944	105	113	215
Thiesen, Eugene C. (See Dye, Glen M., assignor.)						
Thines, John P. (See Hess and Thines.)						
Thirsk, Richard, Cordova, Ala. Measuring and cutting-off machine	758,223	Apr. 26	4004	869	109	2254
Thissell, Earl A., Lowell, Mass. Wefit-replenishing loom	774,459	Nov. 8	1763	389 381	113	411
Thode, John, deceased, Milwaukee, Wis.; W. Thode, administrator. Rotary engine	776,438	Nov. 29	5839	1234 1235	113	1387
Thode, Martin H., Riparia, Wash. Spark-arrester	752,481	Feb. 16	3196	1212	108	1786
Thode, William, administrator. (See Thode, John.)						
Tholin, Charles F., Rockford, Ill. Cabinet	756,911	Apr. 12	1391	309	109	1655
Thom, George, Washington, D. C. Mixer	775,710	Nov. 22	4430	936	113	1052
Thom, James C., Helmetta, N. J. Packing-machine for plastic materials	749,644	Jan. 12	2225	469	108	517
Thoma, Charles, Jr., Carlstadt, N. J. Music-leaf turner	757,979	Apr. 19	3518	794	109	2130
Thoma, Christian, Brooklyn, N. Y. Metal-turning device	760,497	May 24	3798	805	110	906
Thoma, Frederick. (See Lotz, Wisnemyer, Hammer, Thoma, and Rentschler.)						
Thoma, William C. (See Truxal, Benjamin S., assignor.)						
Thomas, A. S., et al. (See Kercher, Arthur J., assignor.)						
Thomas, Abner D., Little Rock, Ark. Cotton-press	751,119	Feb. 2	613	142	108	1191
Thomas, Abner D., Little Rock, Ark. Cotton-press	775,481	Nov. 22	3936	831	113	945
Thomas, Adelaide M., Dallas, Tex. Artificial fuel	765,444	Jan. 19	3096	111	106	706
Thomas, Albert D., Keokuk, Iowa, assignor to Union Staple Seam Re-Enforcing Company. Staple-setting machine	751,700	Feb. 9	1688	384	108	1435
Thomas, Albert V., Peoria, Ill. Rate	759,302	May 3	1233	248	110	281
Thomas, Arthur J., assignor to Whiting Foundry Equipment Co., Harvey, Ill. Tumbler or rattle-barrel	759,939	May 17	2717	571	110	645
Thomas & Betts. (See McMurtrie, Adaah, assignor.)						
Thomas, Charles L., assignor to W. S. Shuler and Thomas Spring Company, Amsterdam, N. Y. Seat-spring for vehicles	755,813	Mar. 29	5072	1126	109	1173
Thomas, Charles L., assignor to W. S. Shuler Spring Company, Amsterdam, N. Y. Wagon-spring	757,578	Apr. 19	2755	602	109	1962
Thomas, Charles W., Kent, N. Y. Feeder	777,355	Dec. 13	1753	390	113	1831
Thomas, Clark W., Frazeeburg, Ohio. Wrench	752,811	Feb. 23	3845	862	108	1947
Thomas, Cosello R., Hartford City, Ind. Drive-head	763,864	July 26	3943	842	111	897
Thomas, Daniel S. (See Hanger, George M., assignor.)						
Thomas, David T. (See Thomas, Edwin J. and D. T.)						
Thomas, Edward G., Cambridge, Mass. Electrical connection	753,759	Mar. 1	1038	236	109	223
Thomas, Edward G., Waltham, Mass. Rail-bonding construction	757,070	Apr. 12	1707	371	109	1731
Thomas, Edward G., Waltham, Mass. Rail-bond	768,318	Aug. 23	4453	986	111	2038
Thomas, Edward W., Waltham, Mass. Rail-bond	772,188	Oct. 11	1966	434	112	1395
Thomas, Edward G., Waltham, Mass. Attaching rail-bonds to rails	772,189	Oct. 11	1969	435	112	1395
Thomas, Edward G., Boston, Mass., assignor, by mesne assignments, to Automatic Weighing Machine Company, New York, N. Y. Automatic weighing-machine	766,004	July 26	4210	899	111	956
Thomas, Edwin E., assignor to Puget Sound Dry Dock & Machine Company, Tacoma, Wash. Off-setting mechanism for sawmill-carriages	759,645	May 10	2158	444	110	506
Thomas, Edwin E., Tacoma, Wash., assignor to Willamette Iron & Steel Works, Portland, Oreg. Tension mechanism for band-saw mills	768,707	Aug. 30	5297	1112 1113	111	2289
Thomas, Edwin E., Tacoma, Wash., assignor to Willamette Iron & Steel Works, Portland, Oreg. Log-turner for low mills	773,437	Oct. 25	4655	983	112	2031
Thomas, Edwin E., Tacoma, Wash., assignor to Willamette Iron & Steel Works, Portland, Oreg. Log loader and turner	776,963	Dec. 6	1012	216	113	1651
Thomas, Edwin E., Tacoma, Wash., assignor to Willamette Iron & Steel Works, Portland, Oreg. Upper guide for band-saw mills	776,964	Dec. 6	1014	217	113	1652
Thomas, Edwin E., St. Paul, Minn., assignor to Puget Sound Dry Dock & Machine Company, Tacoma, Wash. Steam-feed cylinder	761,339	May 31	5512	1173	110	1292
Thomas, Edwin J. and D. T. Warren, Ohio. Wrench	776,873	Dec. 6	829	179	113	1609
Thomas, Elza E. (See Thomas, Lemiel and E. E.)						
Thomas, Frank A., and L. F. Thompson, Rockford, Minn. Front-axle coupling	756,430	Apr. 5	482	100	109	1445
Thomas, Fred L., Des Moines, Iowa. Rain-gage	764,315	July 5	805	165	111	177
Thomas, George H., and M. J. Stone, Scranton, Pa. Electric railway	773,438	Oct. 25	4656	983	112	2031
Thomas, George O., and A. T. Shear, Chicago, Ill. Belting and process of manufacture	764,631	July 12	1924	394	111	437
Thomas, George W., Ky. Hoef-trimmer	773,832	Aug. 9	1508	314	111	1394
Thomas, Henry O., Harrisburg, Neb. Mop or wiper	773,463	Nov. 22	3904	824	113	939
Thomas, Howard W., Charleroi, Pa. Plate-glass grinder	774,857	Nov. 15	2001	537	113	613

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Thomas, Hugh S., New York, N. Y. Carousel.	763,311	June 25	4349	944 945	110	2442
Thomas, Hugh S., New York, N. Y. Scene-shifting mechanism.	769,511	Sept. 6	731	158	112	166
Thomas, Imogen L., Troy, N. Y. Embroidery-silk holder.	765,720	July 26	3666	782	111	838
Thomas, Isaac N., Seymour, Tex. Stap-gun.	760,374	May 17	3371	709	110	739
Thomas, James and W. R., Catasauqua, Pa. Milling-chuck.	764,316	July 5	807	165	111	178
Thomas, James and W. R., Catasauqua, Pa. Milling-chuck.	774,616	Nov. 8	2061	450	113	473
Thomas, James A., Los Angeles, Cal. Longitudinally-adjustable crushing-rolls.	771,887	Oct. 11	1335	302	112	1258
Thomas, James A., Los Angeles, Cal. Crushing-rolls.	771,949	Oct. 11	1470	334	112	1285
Thomas, James C., Corsicana, Tex. Motor-vehicle.	772,070	Oct. 11	1729	285	112	1345
Thomas, James N., Burlington, Wis. Holder or lifter for pan lids or covers.	776,965	Dec. 6	1016	217	113	1653
Thomas, Jesse B. (See Knight, Alfred J., assignor.)						
Thomas, Jesse R., Walnutgrove, Mo. Match-safe.	748,891	Jan. 5	639	143	108	143
Thomas, John, Balham, England. Automatic coupling and buffer.	752,605	Feb. 16	3450	771	108	1843
Thomas, John A., Melville, Fla. Hammer.	757,071	Apr. 12	1708	371	109	1721
Thomas, John F., Ilion, N. Y. Universal hose-coupling.	773,825	Nov. 1	547	119	113	126
Thomas, John G., and D. E. Lewis, Scranton, Pa. Safety-coupling for electrical wires connecting trolley-coaches.	771,510	Oct. 4	575	129	112	1081
Thomas, John H., assignor to Thomas Manufacturing Company, Springfield, Ohio. Hay-loader.	757,156	Apr. 12	1892	413	109	1763
Thomas, John R., Cincinnati, and H. S. Spencer, Norwood, assignors to J. A. Fay & Egan Company, Cincinnati, Ohio. Feeding device for woodworking-machines.	752,313	Feb. 16	2884	642 643	108	1719
Thomas, Larkin A., Constitution, assignor of one-half to I. Lieberman and L. Trounstein, Atlanta, Ga. Pulp-beating machine.	773,873	Nov. 22	4727	1001	113	1115
Thomas, Lemiel and E. E., Edgewater, Colo. Picture-hanger.	774,140	Nov. 1	1190	254	113	2610
Thomas Maddock's Sons Company. (See Kelly, John F., assignor.)						
Thomas Maddock's Sons Company. (See Maddock and Kelly, assignors.)						
Thomas Manufacturing Company. (See Pelton, Charles H., assignor.)						
Thomas Manufacturing Company. (See Thomas, John H., assignor.)						
Thomas, Margaret C. (See Thomas, Thomas C., assignor.)						
Thomas, Martin E., Eldon, Iowa, assignor of one-half to H. P. Carter, Memphis, Tenn. Vehicle-axle.	774,280	Nov. 8	1460	313	113	345
Thomas Motor Company, E. R. (See Shultz, Hass, and Thorden, assignors.)						
Thomas, Percy H., Pittsburg, Pa., assignor to Cooper Hewitt Electric Company. Gas or vapor electric device.	770,197	Sept. 13	2007	424	112	467
Thomas, Percy H., Pittsburg, Pa., assignor to Cooper Hewitt Electric Company. Replenishing electrode waste in gas or vapor electric devices.	770,198	Sept. 13	2008	424	112	468
Thomas, Percy H., Pittsburg, Pa., assignor to Cooper Hewitt Electric Company. Current-rectifier.	776,563	Dec. 6	196	43, 44	113	1471
Thomas, Percy H., Pittsburg, Pa., assignor to Cooper Hewitt Electric Company. Current-rectifier.	776,564	Dec. 6	198	44	113	1472
Thomas, Percy H., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester.	772,190	Oct. 11	1970	435	112	1395
Thomas, Percy H., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Current-rectifier.	776,565	Dec. 6	201	44	113	1472
Thomas, Robert N., Shenandoah, Iowa. Corn-husker.	758,196	Apr. 26	3957	858	109	2245
Thomas, Robert N., Shenandoah, Iowa. Corn-husker.	767,918	Aug. 16	3571	735	111	1867
Thomas, Stanton I., Hartford, Mich. Wagon-body.	764,782	July 12	2811	371	111	413
Thomas, Stephen S., Bloomfield, Mo. Hula-tapping device.	746,892	Jan. 5	640	143	108	143
Thomas, Thomas C., assignor of one-half to M. C. Thomas, Peoria, Ill. Combined railway-tie and anti-rail-spreader.	767,080	Aug. 9	1976	412	111	1500
Thomas, Walter V. (See Gray, Frederick H., assignor.)						
Thomas, William, Geraldine, New Zealand. Printing.	754,237	Mar. 8	2050	681	112	1070
Thomas, William, Geraldine, New Zealand. Photographic developing apparatus.	777,701	Dec. 20	2428	534	113	1992
Thomas, William B., Jr., Germantown, Pa. Cleat.	755,258	Mar. 22	4001	887 888	109	923
Thomas, William B., Towns, Ga. Artificial fuel and producing same.	756,189	Mar. 29	5774	610	109	1327
Thomas, William H., Covington, Tenn. Brace for plows.	772,757	Oct. 18	3126	681	112	1070
Thomas, William H., Fulton, Mo. Post sharpener, driver, and puller.	776,566	Dec. 6	202	45	113	1473
Thomas, William R. (See Thomas, James and W. R.)						
Thomason, Elmer. (See Kellar and Thomason.)						
Thomasson, Frederick, Manchester, England. Knotter.	776,271	Nov. 29	5524	1109	113	1314
Thomasson, Henry A., assignor of one-half to C. C. Taylor, Whatcom, Wash. Churn.	770,401	Sept. 20	2407	508	112	578
Thomé, Julien E. (See Balluet, Henri, assignor.)						
Thomen, Arnold, <i>et al.</i> (See Williamson, Henry, assignor.)						
Thomes, Frank E., assignor of one-half to C. F. Mantine, Portland, Me. Core-box cutter.	753,178	Feb. 23	4568	1018	108	2110
Thompson, Allen L., and W. H. Hovenden; said Thompson assignor to J. E. Houts and A. Gardner, Salt Lake City, Utah. Rail-joint.	764,397	July 5	1005	204	111	923
Thompson, Andrew P. <i>et al.</i> (See Schilling, Gustave A. W., assignor.)						
Thompson, Arthur J., Kokomo, Ind. Hydrant.	773,439	Oct. 25	4658	983	112	2032
Thompson, Asa H., Groton, Mass. Fire-extinguisher.	761,726	June 7	208	39	110	1484
Thompson, Calvin L. (See Moore, Cyrus W., assignor.)						
Thompson, Carl B. (See Deavor, Thompson, Kreitzer, and Deaver.)						
Thompson, Carl G., Mexico, Mo. Metal tie.	773,826	Nov. 1	549	120	113	127
Thompson, Charles F., Fulton, N. Y. Temple for looms.	752,606	Feb. 16	3453	772	108	1843
Thompson, Charles H., Los Angeles, Cal. Mining and excavating apparatus.	763,030	June 21	2796	607	110	2084
Thompson, Charles S., Elizabeth, N. J., and H. F. Maynes, Corning, N. Y. Bicycle-gear-ing.	754,621	Mar. 15	2820	615	109	649
Thompson, Charles W., Kalamazoo, Mich. Combination hose-supporter and suspenders.	764,080	July 5	345	67	111	76
Thompson, Charles W., Kalamazoo, Mich. Hose-supporter.	765,865	July 26	3944	842	111	898
Thompson, Crozier T., Cripplecreek, Colo. Fireman's helmet.	752,366	Feb. 16	2790	618 619	108	1699
Thompson, David W., Chicago, Ill. Electric clock.	754,622	Mar. 15	2824	616 617	109	650
Thompson, Davilla S., Livermore Falls, Me. Grinding-machine.	775,258	Nov. 15	3454	729 730	113	820
Thompson, Edward M., Curwensville, Pa. Automatic sprinkler for ash-pans.	759,203	May 3	1234	249	110	282
Thompson, Ellis E., Cedar Rapids, Iowa. Safe.	754,623	Mar. 15	2823	617	109	650
Thompson, Elwin L., Baldwinville, Mass. Convertible chair.	773,387	Nov. 22	3729	791	113	898
Thompson, Elwin L., Baldwinville, Mass. Convertible chair.	773,388	Nov. 22	3732	792	113	899
Thompson, Erick L., assignor of one-half to N. I. Nelson, Elmore, Minn. Combined wrench and pliers.	768,161	Aug. 23	4154	874 813	111	2017
Thompson, Everett E., Kaufman, Tex. Drag-saw.	774,290	Nov. 8	1462	314	113	345

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Thompson, Francis A. (See Mudd, Frances C., assignor.)						
Thompson, Frank, assignor to United Supply & Manufacturing Company, Chicago, Ill. Machine for loading rails	756,736	Apr. 5	1043	282	109	1565
Thompson, Frank, assignor to United Supply & Manufacturing Company, Chicago, Ill. Truck	765,211	July 19	2633	549	111	607
Thompson, Frank H. (See Thompson, Samuel R., assignor.)						
Thompson, Frank H., Milford, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for rotatable spindles	770,402	Sept. 20	2408	509	112	579
Thompson, Frank M. (See Clark, James H., assignor.)						
Thompson, Frank M., assignor of two-thirds to G. A. Moon and E. R. Smith, East Liverpool, Ohio. Line-chalking device	754,837	Mar. 15	3221	701	109	738
Thompson, Frank M., assignor of two-thirds to G. A. Moon and E. R. Smith, East Liverpool, Ohio. Ventilator	759,940	May 17	2719	571	110	645
Thompson, Fred W., Denver, Colo. Assay-balance	768,839	Aug. 30	5536	1165	111	2342
Thompson, Frederick M., Danbury, Conn. Lock	766,472	Aug. 2	657	141	111	1183
Thompson, Frederick V. (See Waters and Thompson.)						
Thompson, Frederick V., assignor of one-half to F. Baker, Philadelphia, Pa. Block-system emergency apparatus	757,692	Apr. 19	2978	648	109	2011
Thompson, Fredrick F., Lawton, Okla. Ter. Double-tube tire	752,758	Oct. 8	3127	681	112	1671
Thompson, George, Vincennes, Ind. Shovel	750,413	Jan. 26	3696	802	108	873
Thompson, George K. (See Rorty and Thompson.)						
Thompson, George W., Woodville, Ind. Ter. Flying-machine	769,721	Sept. 13	1113	292	112	270
Thompson, George W., Union, Ill. Gate	774,898	Nov. 15	2676	574	113	633
Thompson, Grattan W., St. Louis, Mo., assignor to P. H. Murphy, East St. Louis, Ill. Draft-gear	759,572	May 10	2010	411	110	474
Thompson, Guion, Duluth, Minn., assignor to Thompson Safety Appliance Company. Partial circuit for electric currents	762,957	June 21	2679	580	110	2059
Thompson, Guion, Duluth, Minn., assignor to Thompson Safety Appliance Company. Electromagnetic block system of control	765,212	July 19	2635	549	111	607
Thompson, Gustavus S., Baltic, S. D. Automatic belt-guide	709,850	Sept. 13	1368	292	112	328
Thompson, Harry, Cheyenne, Wyo. Metallic packing	774,709	Nov. 8	2242	499	113	514
Thompson, Harry, Cheyenne, Wyo. Metallic packing	774,710	Nov. 8	2244	499	113	514
Thompson, Henry W., Washington, D. C. Ticket-rack	759,140	May 3	1085	221	110	247
Thompson, Hiram P., Springfield, Cal. Beet-plow	757,919	Aug. 16	3572	736	111	1867
Thompson, Hugh L., Waterbury, Conn. Sanitary attachment for telephones	756,543	Apr. 5	688	148	109	1488
Thompson, Hugh L., Waterbury, Conn. Antiseptic attachment for telephones	757,850	Apr. 19	3279	710	109	2076
Thompson, Hugh P., Chicago, Ill. Adjustable retarding device for reciprocating valves	772,115	Oct. 1	1814	402	112	1363
Thompson, James, Boston, Mass. Lug-strap connecting for looms	751,819	Feb. 9	1928	457	108	1496
Thompson, James W., Deer River, Minn. Self-feeding hammer	764,216	July 5	632	128	111	140
Thompson, Jesse C., Belknap, Iowa. Carbureter	774,738	Nov. 15	2467	532	113	586
Thompson, John, et al. (See Gomer, Alva, assignor.)						
Thompson, John G. (See Duck, Joseph G., assignor.)						
Thompson, John H. (See Deaver, Thompson, Kreitzer, and Deaver.)						
Thompson, La Marcus A., assignor to L. A. Thompson Scenic Railway Company, New York, N. Y. Amusement apparatus	753,449	Mar. 1	428	101	109	93
Thompson, Lee F., assignor of two-thirds to E. J. Hicks, Indianapolis, Ind. Polishing-wheel	770,199	Sept. 13	2010	424	112	468
Thompson, Letitia W., New York, N. Y. Baby-carriage	754,102	Mar. 8	1762	392	109	404
Thompson, Levi F. (See Thomas and Thompson.)						
Thompson, M. A. (See Nicholls, Moses, assignor.)						
Thompson, Nelson W., Erskineville, Oreg. Harrow-jack	754,174	Mar. 8	1885	420	109	433
Thompson, Oliver E., Ypsilanti, Mich. Kraut-cutter	773,769	Nov. 1	446	99	113	105
Thompson, Orrin, Neenah, Wis. Sanitary closet-seat protector	768,708	Aug. 30	5599	1113	111	2939
Thompson, Orrin B., Jersey, Ohio. Invalid lifter and conveyer	771,846	Oct. 11	1294	374	112	1237
Thompson, Philip H., St. Louis, Mo. Adding-machine	750,734	Jan. 26	4396	936	108	1009
Thompson, Ralph P., Springfield, Ohio, assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register	777,982	Dec. 20	3035	168	113	2113
Thompson, Ralph P., and E. Koebe, Springfield, Ohio. Balanced valveless two-cycle gas-engine	758,943	May 3	730	145	110	171
Thompson, Reinert, Mount Morris, Wis. Corn-planter	774,711	Nov. 8	2246	499	113	514
Thompson, Robert. (See Thompson, William H. and R.)						
Thompson, Robert J., Alpena, Mich. Shingle-machine	762,563	June 14	1884	405	110	1866
Thompson, Robert J., assignor of one-half to A. H. Revell, Chicago, Ill. Savings-bank	758,340	Apr. 26	4263	1916	109	2312
Thompson, Robert J., Grandin, assignor of one-half to J. B. White, Kansas City, Mo. Chain-release for logging-cars	760,275	May 17	3372	710	110	798
Thompson, Robert J., Grandin, Minn. Memorandum attachment for telephones	765,213	July 19	2637	549	111	608
Thompson, Roy, Lodge, Ill. Railway-crossing	773,300	Oct. 25	4858	920	112	1968
Thompson, Roy, assignor to Thompson, Guion, assignor.)						
Thompson, Samuel R., East Lexington, assignor of one-half to F. H. Thompson, Arlington, Mass. Boiler-furnace	755,076	Mar. 22	3682	808	109	857
Thompson, Samuel R., East Lexington, assignor of one-half to F. H. Thompson, Arlington, Mass. Boiler-furnace	755,077	Mar. 22	3683	809	109	858
Thompson, Thomas C., Haley, Tenn. Extension-table	751,231	Feb. 2	826	190	108	1233
Thompson, Thomas E., Ethel, Miss. Cultivator	756,077	Mar. 29	5576	1231	109	1286
Thompson, Thomas E., Leominster, Mass. Educational appliance	777,268	Dec. 13	1572	351	113	1791
Thompson, Thomas S., assignor to Armstrong Cork Company, Pittsburg, Pa. Cork-finishing machine	752,482	Feb. 16	3198	713	108	1786
Thompson, Torger G., Cambridge, Wis. Propeller	775,155	Nov. 15	3199	683	113	754
Thompson, Walter M. (See Nuhring and Thompson.)						
Thompson, William, New York, N. Y. Telescopic couch-bed	751,232	Feb. 2	828	190	108	1233
Thompson, William, Bellevue, Canada. Draw-section for casket-cabinets	766,294	Aug. 2	317	64, 65	111	1111
Thompson, William A. (See Madden and Thompson.)						
Thompson, William C. (See Kellogg, Edwin M., assignor.)						
Thompson, William H., London, England. Valve	750,331	Jan. 26	3543	765	108	840
Thompson, William H. and R., London, England. Interchangeably-locked gearing	752,129	Feb. 16	2526	563	108	1637
Thompson, William R., assignor to G. N. McKibbin, South Norwalk, Conn. Automatic vending-machine	777,156	Dec. 13	1374	303	113	1747
Thoms, Charles F., assignor of one-half to D. Wright, Highlandtown, Md. Clutch mechanism	754,898	Mar. 15	3223	702	109	739
Thoms, Hermann F. M., Steglitz, assignor to H. O. Wendt, Bremen, Germany. Providing cigars with smoke-improving portions at the pointed ends	757,514	Apr. 19	2610		109	1929

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Thomson, Beatrice E. R., Burlington, Vt. Shoe-lace or shoestring holder	754,517	Mar. 15	2636	572	109	612
Thomson, Charles A., Belleville, N. J. Machine for sawing stone	770,403	Sept. 20	2410	505	112	579
Thomson, Charles A., Belleville, N. J., assignor to Stone-Working Machine Company, New York, N. Y. Stone-sawing machine	749,707	Jan. 12	2354	496 497	108	545
Thomson, Charles D., deceased, Grand Rapids, Mich.; H. Thomson, executrix. Photographic plate and making same	751,882	Feb. 9	2045	462 (1135)	108	1513
Thomson, David P., Rugby, England, assignor to General Electric Company. Coupling electric motors	755,814	Mar. 29	5074	497 (1137)	109	1173
Thomson Electric Welding Company. (See Rietzel, Adolph F., assignor.)						
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Means for extinguishing electric arcs	751,028	Feb. 2	454	107	108	1158
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric arc lamp	755,815	Mar. 29	5077	1127	109	1174
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Means for preventing arcing between commutator-brushes	758,157	Apr. 26	3884	843	109	2320
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Production of tubes from refractory material	761,111	May 31	5075	1077	110	1198
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Roentgen-ray tube	773,827	Nov. 1	550	120	113	127
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Roentgen-ray tube	774,118	Nov. 1	1154	246	113	261
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Photometric apparatus	777,867	Dec. 20	2789	612	113	2066
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Manipulation of refractory material	778,280	Dec. 27	3619	790	113	2256
Thomson, Elihu, Swampscott, and A. A. Ball, Jr., Lynn, Mass.; said Thomson assignor to General Electric Company. Valve mechanism	775,586	Nov. 22	4180	880 881	113	999
Thomson, Elihu, Swampscott, and H. Lemp, Lynn, Mass., assignors to General Electric Company. Driving mechanism for self-propelled vehicles	768,636	Aug. 30	5141	1080 1081	111	2255
Thomson, G. A., et al. (See Oscanayan, Paul C., assignor.)						
Thomson, George, Elizabeth, N. J. Heat-catcher	770,787	Sept. 27	3146	667	112	759
Thomson, Helen, executrix. (See Thomson, Charles D.)						
Thomson, Henry C., assignor to Electric Gas Lighting Company, Boston, Mass. Igniting device for acetylene-gas burners	749,409	Jan. 12	1760	372	108	419
Thomson, Henry C., assignor to Electric Gas Lighting Company, Boston, Mass. Igniting device for incandescent-mantle burners	766,005	July 26	4218	899	111	957
Thomson, James. (See Schwamberger and Thomson.)						
Thomson, John, Brooklyn, N. Y. Water-meter	756,481	Apr. 5	483	100 101 435 436 437	109	1445
Thomson, John, Chicago, Ill. Brick-laying machine	772,191	Oct. 11	1972	436 437	112	1396
Thomson, John, Brooklyn, assignor to John Thomson Press Company, New York, N. Y. Device for imparting combined rotary and reciprocating motion	762,958	June 21	2681	580	110	2059
Thomson, John, assignor to Neptune Meter Company, New York, N. Y. Screw or bolt	771,336	Oct. 4	226	50	112	1009
Thomson, John, assignor to Neptune Meter Company, New York, N. Y. Disk water-meter	771,337	Oct. 4	227	50, 51	112	1009
Thomson, John, assignor to Neptune Meter Company, New York, N. Y. Water-meter	778,086	Dec. 20	3226	709	113	2133
Thomson, Luther M., St. Louis Park, Minn. Threshing-machine	767,184	Aug. 9	2164	451 452	111	1539
Thomson, Samuel G. (See Thomson, William P. and S. G.)						
Thomson, Samuel G., Altoona, Pa. Auxiliary coupling device	777,928	Dec. 20	2996	642 643	113	2093
Thomson, Thomas, Seaham Harbor, England. Apparatus for transferring boats from one body of water to another	772,482	Oct. 18	2580	567 568	112	1554
Thomson, William I., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Pole-changer	771,188	Sept. 27	3952	833	112	936
Thomson, William P., Lansdowne, and S. G. Thomson, Altoona, Pa. Suspended rail-joint	770,026	Sept. 13	1690	359	112	399
Thomson, William P., Lansdowne, and S. G. Thomson, Altoona, Pa. Rail-joint	770,248	Sept. 13	2095	411	112	487
Thon, Frederick J., and H. G. Wolf, assignors of one-third to G. M. Gross, Philadelphia, Pa. Stitch separating and indenting machine	758,601	Apr. 26	4773	1027	109	2426
Thordarson, Chester H., Chicago, Ill. Electric-spark-producing apparatus	751,574	Feb. 9	1466	332 333	108	1390
Thorden, Carl. (See Shultz, Hass, and Thorden.)						
Thordon, Eric, Pittsburg, Pa., assignor to Westinghouse Machine Company. Electro-magnetic gearing	750,009	Jan. 19	2950	631 632	108	692
Thoren, Johan J., Bygdø, Norway. Apparatus for automatically starting electro-motors and for regulating purposes	777,759	Dec. 20	2532	560	113	2014
Thoret, Gaston, Paris, France. Locomotive	778,722	Dec. 27	4456	975 976	113	2439
Thorn, George R. H., Swampscott, Mass. Watch-holder	750,503	Jan. 26	3874	841	108	911
Thorn, George W., Chicago, Ill. Railway-gate	777,157	Dec. 13	1375	303	113	1748
Thorn, Henry A., London, England. Single-trigger double-barrel gun	770,404	Sept. 20	2412	502	112	579
Thornburg, Lincoln, Gas City, Ind., assignor to Window Glass Machine Company. Cooling-retarder for drawing glass	749,680	Jan. 12	2295	484	108	533
Thornburg, Lincoln, Gas City, Ind., assignor to Window Glass Machine Company, Pittsburg, Pa. Glass-drawing apparatus	759,329	May 10	1536	309	110	370
Thornburg, Lincoln, Gas City, Ind., assignor to Window Glass Machine Company, Pittsburg, Pa. Drawing glass	769,642	Sept. 6	957	207	112	218
Thornburgh, John J., Toledo, Ohio. Side-delivery buncher for mowing-machines	764,081	July 5	346	67	111	76
Thornburgh, William, Vermillion, Ohio, assignor to T. H. Simpson, Detroit, Mich. Railway-car-coupling attachment	754,942	Mar. 15	3449	755	109	789
Thornburgh, William, assignor, by mesne assignments, to T. H. Simpson, Detroit, Mich. Draft-rigging	754,958	Mar. 15	3477	761	109	795
Thornhill, William J. (See Pennock, Ambrose M., assignor.)						
Thorneycroft, James B., Mauchline, and M. G. Farquhar, Aboyn, Scotland. Wind-gage for back-sights of rifles	777,929	Dec. 20	2928	643	113	2093
Thornley, Albert J., assignor to Narragansett Machine Company, Incorporated, Pawtucket, R. I. Spool-machine	765,906	July 26	4021	888 889	111	915
Thornley, Peter, Burton-upon-Trent, England. Steam-engine	765,680	July 26	3587	761 762	111	825
Thornley, William H., Reading, Pa. Hydrocarbon-burner	754,103	Mar. 8	1764	392	109	404
Thornley, William H., Reading, Pa. Fire-box for steam-boilers	769,417	Sept. 6	552	120	112	125
Thornton, James M. (See Van Tassel and Thornton.)						
Thornton, John E., Manchester, England. Photographic camera	760,584	May 24	3966	843	110	943

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Thornton, John E., and C. F. S. Rothwell, Manchester, England. Positive stripping-film for photographs.	760,585	May 24	3968	843	110	944
Thornton, Julia H., Plainfield, N. J. Corset.	755,968	Mar. 29	5389	1190	109	1245
Thornton, William, Chatsanooga, Tenn. Gearing.	756,737	Apr. 5	1045	232	109	1566
Thorp, Samuel, et al. (See McNeil and Holt, assignors.)						
Thorp, William, Rat Portage, Canada. Shingle-mill.	766,295	Aug. 2	319	65, 66	111	1111
Thorpe, Frank M., Lamar, Mo. Twine-holder.	767,022	Aug. 9	1822	383	111	1465
Thorpe, Frank M., Lamar, Mo. Carton-cabinet.	774,291	Nov. 8	1463	314	113	346
Thorpe, Willard G., St. Paul, Minn. Apparatus for treating negatives and printing-plates.	760,276	May 17	3374	712	110	793
Thorpe, Willard G., Los Angeles, Cal. Etching printing-plates.	764,082	July 5	348	67	111	76
Thorpe, Willard G., and W. C. Fischer, St. Paul, Minn. Etching-machine.	764,164	July 5	510	101	111	113
Thorpe, William, Chelsea, London, assignor to F. Hines, Limited, London, England. Pipe and jointing same.	749,465	Jan. 12	1900	395	108	447
Thorschmidt, Ernest C., New York, assignor to himself, and E. H. Barnes, Brooklyn, N. Y. Machine for applying bilge-booms to casks or barrels.	753,014	Feb. 23	4274	952	108	2043
Thorsen, John, Chicago, Ill. Combined lighting and alarm device.	757,364	Apr. 12	2301	502	109	1849
Thorsen, Olaus B., near Thor, Iowa. Steam or gas engine.	758,647	Mar. 1	818	188	109	178
Thos. H. Dallett Co. (See Soley, William H., assignor.)						
Thos. H. Dallett Co. (See Van Sickle, Wilber H., assignor.)						
Thoss, Julius O. F., St. Louis, Mo. Air-current motor for clocks or light machinery.	760,277	May 17	3378	712	110	794
Thowless, Arthur J., Newark, N. J. Doll.	752,607	Feb. 16	3454	772	108	1843
Thowless, Arthur J., Newark, N. J. Device for cleaning fluid-pens.	768,637	Aug. 30	5146	1081	111	2257
Thrasher, John S. (See Fairchild, Frank H., assignor.)						
Thrasher, Samuel P., New Haven, Conn. Clock-dial.	755,969	Mar. 29	5390	1190	109	1246
Three-Speed Gear Syndicate. (See Archer, James, assignor.)						
Threewits, Alvin M., Centerville, Ind. Mowing-machine.	751,223	Feb. 2	829	190, 191	108	1233
Threlkeld, John. (See Newman, Albert T., assignor.)						
Throop, Charles G., River Forest, assignor to himself, and S. Rosenthal, Chicago, Ill. Envelop.	751,423	Feb. 2	1189	270	108	1310
Thrupp, Edgar C. (See McCurd, Wallace A., assignor.)						
Thuemling, Julius, Chicago, Ill. Device for protecting coils for beer-coolers.	753,450	Mar. 1	430	101	109	93
Thullier, Adolph, Hazelwood, Pa. Shaft-coupling.	767,185	Aug. 9	2167	452	111	1539
Thul, Frederick F., Chicago, Ill. Welding-tool.	756,797	May 8	438	87	110	138
Thullen, Louis H., Edgewood, assignor to Union Switch and Signal Company, Swissvale, Pa. Apparatus for moving or shifting railway-switches.	768,204	Aug. 23	4234	890	111	2034
Thullen, Louis H., Edgewood, assignor to Union Switch & Signal Co., Swissvale, Pa. Switch-and-lock movement.	768,205	Aug. 23	4236	892, 893, 894	111	2035
Thullen, Louis H., Edgewood, assignor to Union Switch & Signal Co., Swissvale, Pa. Automatic train-stop.	768,206	Aug. 23	4238	891	111	2035
Thullen, Louis H., Edgewood, assignor to Union Switch & Signal Co., Swissvale, Pa. Automatic train-stop. (Reissue.)	12,276	Oct. 18	3419	742	112	1737
Thummel, Charles B., Esch, Kans. Cover for haystacks.	775,505	Nov. 22	3976	839	113	954
Thurlow, Harry W., San Francisco, Cal. Can-opener.	765,155	July 12	2541	831	111	567
Thurman, Elisha J., Fenton, Mo. Pharmaceutical dispensing-case.	760,278	May 17	3381	713	110	795
Thurman, John S., St. Louis, Mo. Pneumatic renovator.	759,141	May 8	1087	221	110	247
Thurston, Charles H., Boston, assignor to himself, W. H. Gardiner, Jr., Canton, C. N. Whitting, W. B. Nichols, Boston, and W. S. Griffith, Worcester, Mass., trustees. Pipe-vent.	767,532	Aug. 16	2841	594	111	1707
Thurston, E. L., et al. (See Kimball, Robert E., assignor.)						
Thurston, Richard H. (See Green, Jerome M., assignor.)						
Thurston, William R., Jacksonville, Fla. Switch-operating device.	776,966	Dec. 6	1017	217	113	1653
Thurston, William R., Jacksonville, Fla. Track and switch system.	777,050	Dec. 6	1182	253	113	1690
Tibbetts, Charles H., Newcastle, Colo. Track-fastener.	768,410	Aug. 23	4663	977	111	2136
Tibbetts, Zeph H., Highland, Ill. Dental matrix.	767,852	Aug. 16	3452	730	111	1241
Tibbitts, Joseph R., Delmar, N. Y. Steam-sleigh.	756,078	Mar. 29	5578	1231, 1232	109	1286
Tice, Walter W., Rahway, N. J. Electrical controller and brake-operating device.	751,120	Feb. 2	616	143	108	1191
Tice, William E. (See Doyle and Tice.)						
Tichon, Joseph E., assignor to T. E. Parker, New Bedford, H. F. Strout and J. C. Bassett, Boston, Mass., trustees. Brazing cast-iron.	756,079	Mar. 29	5579		109	1287
Tichon, Joseph E., assignor to T. E. Parker, New Bedford, H. F. Strout and J. C. Bassett, Boston, Mass., trustees. Brazing compound.	756,080	Mar. 29	5580		109	1287
Ticknor, Frank E. (See Baldwin and Ticknor.)						
Ticknor, Frank E., and C. K. Baldwin, assignors to Robins Conveying Belt Company, New York, N. Y. Tripper or deliverer for conveying apparatus.	758,575	May 3	598	118	110	143
Tickometer Company. (See Kimball, Robert E., assignor.)						
Tideman, Carl G., Worcester, Mass. Relief mechanism for gearing of machinery.	752,267	Feb. 16	2792	619	108	1700
Tideman, Knudt, Atlanta, Mont. Sight for firearms.	773,301	Oct. 23	4359	920	112	1968
Tidemann, Henry G., St. Louis, Mo. Removable closure for hollow stay-bolts.	773,301	Oct. 23	4359	920	112	1968
Tidey, Charles H., Newark, N. J. Automatic gate.	751,121	Feb. 2	617	143	108	1192
Tidmarsh, Albert L. (See Zilker, Tidmarsh, and Armstrong.)						
Tiefel, Charles G., Rochester, N. Y. Extension-ladder.	750,304	Jan. 26	3875	841	108	911
Tieken, John D., Piper City, Ill. Curtain-holder.	758,570	Apr. 26	4713	1016	109	2413
Tieman, George G., Chicago, Ill. Wheelbarrow.	752,190	Feb. 16	2827	583	108	1661
Tieman, George G., Chicago, Ill. Wheelbarrow construction.	752,725	Feb. 23	3692	823	108	1913
Tierney, John H., Lewiston, Me. Thread-cutting appliance.	770,944	Sept. 27	3405	732	112	832
Tierney, Thomas J. (See Ward, George, assignor.)						
Tiffany, Albert R., Dayton, Ohio. Tool-support for lathes.	751,701	Feb. 9	1690	384	108	1436
Tiffany, George S., Tecumseh, Mich. Concrete-block mold.	761,727	June 7	209	40	110	1485
Tiffany, George S., Hutchinson, Kans. Handle-bar support for bicycles.	772,759	Oct. 18	3127	681	112	1671
Tiffany, George S., Brooklyn, N. Y., assignor of one-half to J. Van Inwagen, Chicago, Ill. Electric clock.	751,397	Mar. 8	2359	515	109	532
Tiffany, George S., Brooklyn, N. Y., assignor of one-half to J. Van Inwagen, Chicago, Ill. Torsional pendulum for clocks.	754,398	Mar. 8	2365	516	109	533
Tiffany, George S., Tecumseh, assignor, by mesne assignments, to Adrian Wire Fence Company, Adrian, Mich. Dies.	755,187	Mar. 22	3872	855	109	896
Tiffany, George S., Tecumseh, assignor to Adrian Wire Fence Co., Adrian, Mich. Knot or tie for wire fences.	774,210	Nov. 8	1319	280	113	315
Tiffany, George S., Tecumseh, and E. C. Sward, Adrian, Mich. Frictional clutch-pulley.	777,158	Dec. 13	1376	303	113	1748
Tiffin, Nelson M., Syracuse, N. Y. Air-brake system for railway-trains.	764,217	July 5	634	129	111	140
Tiffin, Walter E. (See Schultz, Charles W., assignor.)						
Tilden, Bert O., New York, N. Y. Pulpion-closet.	770,027	Sept. 13	1691	359	112	369
Tilden, Bert O., New York, N. Y. Trap.	770,129	Sept. 13	1865	396	112	437

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Tilden, George M., assignor of one-half to W. E. Tilden, Cleveland, Ohio. Saw	766,077	July 26	4344	933	111	984
Tilden, James A., Hydepark, assignor to Hersey Manufacturing Company, South Boston, Mass. Meter	756,299	Apr. 5	214	44	109	1390
Tilden, James A., Hydepark, assignor to Hersey Manufacturing Company, South Boston, Mass. Meter	763,127	June 21	2968	645	110	2126
Tilden, William E. (See Tilden, George M., assignor.)						
Tilley, E. C. (See Campbell, Solon O., assignor.)						
Tilly, Louis R., Colorado, Tex. Corn or grain knife	774,006	Nov. 1	945	196	113	215
Tilla, Henry J., Buda, Ill. Husking implement	769,964	Sept. 13	1572	385	112	371
Tillinghast, Benjamin C., Philadelphia, Pa. Bill or invoice	776,962	Dec. 6	1011	216	113	1651
Tillinghast, Elizabeth S., New Haven, Conn. Parasol for children's carriages	761,258	May 31	5375	1143	110	1263
Tillinghast, Joseph H., assignor to G. W. and A. P. Tatterson, Stockton, Cal. Wool-forking, elevating, and conveying machine	768,638	Aug. 30	5148	1081 1082	111	2257
Tillman, John B. (See Bartlett, Downs, and Tillman.)						
Tillotson, John W. and S. S., and A. Stubbs, Halifax, England. Loom for weaving carpets	776,208	Nov. 22	5398	1144 1145	113	1285
Tillotson, Samuel S. (See Tillotson and Stubbs.)						
Tilson, Stephen, Chatham, Canada, assignor of one-half to H. B. Fry, Bridgeport, Mich. Clothes-reel	753,179	Feb. 23	4569	1018 1019	108	2110
Tilson, William H., Quincy, Ill. Attachment for overshoes	757,365	Apr. 12	2302	903	109	1849
Tilmon, Walter N., et al. (See Tower, William G., assignor.)						
Timby, Theodore K., Brooklyn, N. Y. Coffee-treating machine	749,340	Jan. 12	1618	342	108	390
Timby, Theodore K., Brooklyn, N. Y. Roasting coffee	754,943	Mar. 15	3451	756	109	789
Timby, Theodore K., Brooklyn, N. Y. Machine for aging liquors	769,330	Sept. 6	388	90	112	84
Timby, Theodore K., Brooklyn, N. Y. Car-wheel axle	757,569	Dec. 12	2179	475	113	1922
Timmerman, Bernard. (See Stevens and Timmerman.)						
Timmis, Edgar W. (See Timmis, Ilius A. and E. W.)						
Timmis, Ilius A., London, England. Promoting combustion of fuel	772,760	Oct. 18	3129	681	112	1671
Timmis, Ilius A. and E. W., London, England. Electromagnet	750,132	Jan. 19	3179	684	108	739
Timmis, Walter S., Cranford, N. J. Device for holding printing-plates	760,279	May 17	3382	713	110	795
Timmis, Walter S., Brooklyn, N. Y. Clutch	760,822	May 24	4475	953	110	1051
Timmis, James and J. O., Columbus, Ohio. Coupling	775,615	Nov. 22	4240	893	113	1012
Tinck, James O. (See Timmis, James and J. O.)						
Tindall, Joseph S., Evans, Mich. Automatic indicator for scales	772,588	Oct. 18	2781	613	112	1597
Tingley, Egbert M., Wilkinsburg, assignor to Westinghouse Electric and Manufacturing Company, Pittsburg, Pa. Phase regulation	757,515	Apr. 19	2612	572	109	1980
Tingley, Egbert M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-angle adjusting means	757,516	Apr. 19	2615	573	109	1980
Tingley, Egbert M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-angle adjustment	757,517	Apr. 19	2616	573	109	1981
Tingley, Egbert M., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-angle adjustment	757,518	Apr. 19	2619	573	109	1981
Tinlin, Julien E., assignor of one-half to P. B. Broughton, Bradford, Pa. Pipe-coupling	754,258	Mar. 8	2031	455	109	487
Tinkham, Francis M., Springfield, Mass. Couch-bed construction	733,760	Mar. 1	1040	236	109	223
Tinsley, Albert C., Fay, Tex. Baling-press	749,759	Jan. 19	2478	528	108	590
Tinsley, James, Ebbw Vale, England. Condensing exhaust-steam	773,350	Oct. 25	4469	946	112	1991
Tinsman, Samuel H., Morris, Ill. Cultivator	776,155	Nov. 20	5396	1120 1121	113	1262
Tinsman, Samuel H., Morris, assignor to Peru Plow & Wheel Company, Peru, Ill. Planting-machine	764,509	July 5	1233	293	111	269
Tinsman, John W., Butler, Ind. Machine for molding concrete or cement building-blocks	774,007	Nov. 1	946	196	113	215
Tippett, George, assignor of one-half to J. Baker, Whatcheer, Iowa. Pick	765,642	July 19	3473	733	111	786
Tippett, Harold P., assignor to N. L. Hayden Manufacturing Co., Columbus, Ohio. Pop safety-valve	769,512	Sept. 6	733	159	112	166
Tippett, Harold P., assignor to N. L. Hayden Company, Columbus, Ohio. Metallic packing	770,482	Sept. 20	2555	544	112	609
Tippett, Harold P., assignor to N. L. Hayden Company, Columbus, Ohio. Metallic packing	770,483	Sept. 20	2556	545	112	609
Tippitt, William H., Bluffs, Ill. Hot-air furnace	765,866	July 26	3946	842	111	898
Tipton, Albert H., et al. (See Lewis, Albert H., assignor.)						
Tipton, Franklin P., Cunningham, Kans. Harvesting-machine	774,344	Feb. 2	619	143	108	1192
Tipton, Joseph S., et al. (See Smith, John N., assignor.)						
Tipton, Joshua F., Baltimore, Md. Air-brake	768,639	Aug. 30	5151	1082	111	2258
Tirrell, Jacob P. (See Gilman and Tirrell.)						
Tirrell, Jacob P., assignor, by mesne assignments, to J. B. Crawford, Boston, Mass. Electric-circuit-controlling apparatus	764,218	July 5	636	129	111	141
Tirrell, Jacob P., deceased, Boston, Mass.; W. G. Rowe, administrator. Oil-gas generator and burner	757,980	Apr. 19	3521	763 764	109	2130
Tirrell, James A., trustee. (See Reed, William S., assignor.)						
Tirrill, Leonard A., Lynn, Mass., assignor to General Electric Company. Brake for electric motors	770,028	Sept. 13	1693	359	112	400
Tisch, Emil, Grand Rapids, Mich. Building-block	769,120	Aug. 30	6119	1279	111	2474
Tisch, William, and H. T. Waters, La Crosse, Wis. Cigar-box	772,386	Oct. 18	2378	523	112	1510
Tischer, George J., et al. (See Euphrat, Theophile, assignor.)						
Tisdell, Abner G., Brooklyn, N. Y. Machine for reproducing sound	765,522	July 19	3253	681	111	739
Tishler, Adolf, Savannah, Ga. Wearing-apparel	773,465	Nov. 8	1566	335	113	369
Tissier, Albert, Paris, France. Producing gas-condensing bodies	759,406	May 10	1702	345	110	405
Titamore, Herbert E., Agenda, Cal. Grain-lifter	732,367	Feb. 16	2978	663	108	1740
Titcomb, George E., assignor to Dodge Coal Storage Company, Philadelphia, Pa. Rope system for coal-bridge hoists	752,463	Feb. 16	3199	714	108	1787
Titsworth, Richard, El Paso, assignor of one-third to R. J. Loughlan, Fort Bliss, Tex. Foot-valve extractor for wells	759,407	May 10	1703	345	110	406
Tittel, Clemens, Josefthal, near Laibach, Austria-Hungary. Paper-stock filter	777,316	Dec. 13	1668	370	113	1813
Tittel, Moritz, Chicago, Ill. Non-refillable bottle	774,617	Nov. 8	2062	450	113	473
Tittle, Reuben D., assignor to Printers Stick Company, Springfield, Ohio. Compositing-stick	772,116	Oct. 11	1817	403	112	1364
Titus, John, Oyster Bay, and W. Titus, Old Westbury, N. Y. Curative couch	771,847	Oct. 11	1336	275	112	1238
Titus, John, Oyster Bay, and W. Titus, Old Westbury, N. Y. Apparatus for tempering air	772,387	Oct. 18	2879	523	112	1510
Titus, Richard, assignor of one-third to W. Keller, Bowling Green, Ohio. Cultivator attachment	773,828	Nov. 1	552	130	113	127
Titus, William. (See Titus, John and W.)	761,793	June 7	366	74	110	1521
Tobey, Fred W., Norwood, assignor to Cincinnati Manufacturing Company, Cincinnati, Ohio. Lock for elevator-doors	762,455	June 14	1643	355	110	1815

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Tobey Furniture Company. (See Clingman, George F., assignor.)						
Tobie, Walter S., Augusta, Ill. Electric switch.	763,520	June 28	8773	815	110	2319
Tobin, James F. (See Elker and Tobin.)						
Tobin, Nicholas, Pittsburg, Pa. Range-finder.	770,833	Sept. 27	3256	686	112	783
Tobisch, Franz, Budapest, Austria-Hungary. Gun or firearm.	749,341	Jan. 12	1620	343 344	108	390
Toch, Maximilian, New York, N. Y. Coating or lining material for metal objects.	766,781	Aug. 2	1331	111	113	1337
Todd, Andrew B., Meriden, Conn. Folding baby-carriage.	761,112	May 31	5076	1077	110	1198
Todd and Company, G. W. (See Todd, Libanus M., assignor.)						
Todd, Dana, et al. (See Ruddy, Harriet E., assignor.)						
Todd, George W., Platteville, Wis. Fence-post.	748,817	Jan. 5	493	111	108	112
Todd, John W., Dunkirk, Ind. Wrench.	762,456	June 14	1643	355	110	1815
Todd, John W., and M. L. Sansberry, Dunkirk, Ind. Nut-lock.	778,157	Dec. 20	3360	738	113	2184
Todd, Libanus M., assignor to G. W. Todd and Company, Rochester, N. Y. Printing-stamp.	766,853	Aug. 9	1504	314	111	1894
Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Vehicle-brake.	766,744	Aug. 2	1234	262	111	1315
Todd, Martha F., et al. (See Ruddy, Harriet E., assignor.)						
Todd, Philip, Homestead, Pa. Car-fender.	764,317	July 5	808	165	111	178
Todd, William F., Pontiac, Mich. Lock-nut for eyeglasses.	770,029	Sept. 13	1694	359	112	400
Todd, William O., Crab Orchard, assignor of one-half to B. Cole, Lincoln, Nebr. Printing-press.	756,432	Apr. 5	485	101	109	1446
Toennes, Richard, Boonville, Mo. Electric water-heater.	760,280	May 17	3386	714	110	736
Toepfer, Peter G., Milwaukee, Wis. Malt-kiln.	765,214	July 19	2638	549	111	608
Tojetti, Katherine, New York, N. Y. Comb.	764,165	July 5	513	101	111	113
Tojetti, Katherine, New York, N. Y. Comb.	778,467	Dec. 27	3998	869	113	2338
Tojetti, Katherine, New York, N. Y. Spring fastening device.	778,468	Dec. 27	3999	870	113	2338
Tokheim, John J., Cedar Rapids, Iowa. Non-siphoning liquid-trap.	749,543	Jan. 15	1973	410	108	462
Tokheim, John J., Cedar Rapids, Iowa. Faucet attachment.	757,073	Apr. 12	1709	371	109	1721
Toledo Glass Company. (See Bock, William E., assignor.)						
Toledo Glass Company. (See Owens, Michael J., assignor.)						
Toledo Metal Wheel Company. (See Weber, John, Jr., assignor.)						
Toledo Pipe Threading Machine Co. (See Vosper, William, assignor.)						
Tolen, James H., assignor of one-half to D. B. Hostetter, Roachdale, Ind. Meat-tenderer.	761,728	June 7	211	40	110	1485
Tolhurst, Edward T., London, and W. Wilson, London township, Canada. Incubator and brooder.	756,990	Apr. 12	1546	340	109	1686
Tolhurst, Frederick. (See Dietz, August S., assignor.)						
Tolin, Martin A., Poplar Grove, Ill. Sad-iron holder.	777,570	Dec. 13	2180	479	113	1922
Toliver, Albert C., assignor of one-half to J. F. Patterson, Glenrock, Wyo. Draft-producer and spark-arrester.	768,782	Aug. 30	5427	1143	111	2319
Toliver, Lorenzo D., assignor of one-half to W. H. Eicholtz, Abilene, Kans. Rotary gas-engine.	769,363	Sept. 6	449	101	112	99
Tolke, Hugh, assignor of one-half to C. L. E. Wolf, New York, N. Y. Non-refillable bottle.	767,186	Aug. 9	2169	452	111	1539
Tollack, Theodore O., Curran, Wis. Plow.	749,504	Jan. 12	1975	410	108	462
Tollner, Jacob, assignor to F. G. Dokkenwadel and H. M. Grant, New York, N. Y. Blasting compound.	757,693	Apr. 19	2981	109	2012	
Tollner, Karl F., Bremen, Germany. Making a substitute for cod-liver oil.	765,943	July 26	4085	111	930	
Toltz, Max, et al. (See Lipschutz, Arthur, assignor.)						
Toltz, Max, St. Paul, Minn. Brake for passenger-cars.	754,829	Mar. 15	3224	702	109	739
Tomblin, Marion N., Aurora, Ill. Coin-actuated mechanism.	769,781	Sept. 13	1220	263	112	293
Tomcal, John. (See Kosansvich, Stef, assignor.)						
Tomer, William H., et al. (See Mackey, Charles F., assignor.)						
Tomlinson, George E., Pekin, Ill. Car-coupling.	755,414	Mar. 22	4299	950 951	109	988
Tomlinson, George H. (See Ewen and Tomlinson.)						
Tomlinson, John H., and J. M. Starr, Terre Haute, Ind. Lubricator.	778,087	Dec. 20	3228	709	113	2154
Tomlinson, Joseph, Cedar Rapids, Iowa. Bridge.	755,724	Mar. 29	4896	1099	111	1134
Tomlinson, Richard, Brooklyn, N. Y. Block-signal system for railways.	765,329	July 19	2861	586	111	635
Tomlinson, Thomas, Charleroi, Pa. Smoking-pipe.	753,180	Feb. 23	4571	1019	108	2110
Tompkins Brothers Company. (See Bailey, Albert A., assignor.)						
Tompkins Brothers Company. (See Tompkins, Ernest, assignor.)						
Tompkins, Daniel A., Charlotte, N. C. Cotton-seed huller.	774,369	Nov. 8	1602	344	113	378
Tompkins, Ernest, assignor to Tompkins Brothers Company, Troy, N. Y. Push-down holder.	774,406	Nov. 8	1671	358	113	392
Tompkins, Harry S., Newark, N. J. Automobile headlight cover.	775,999	Nov. 29	5010	1056	113	1198
Tompkins, Harry S., Newark, N. J. Automobile-lamp cover.	777,983	Dec. 20	3041	669	113	2114
Tompkins, Stonewall. (See Anderson and Tompkins.)						
Tompsett, William C., Warren, Pa. Speed-regulator for explosion-engines.	771,511	Oct. 4	576	129	112	1081
Tompson, Edward W. E., deceased, Brookline, Mass.; R. H. Tompson, administratrix. Telephone-call instrument.	762,364	June 14	1450	315	110	1773
Tompson, Ruth H., administratrix. (See Tompson, Edward W. E.)						
Tone, Frank J., Niagara Falls, N. Y. Self-bonded carbonum article.	772,262	Oct. 11	2127	112	1434	
Tonge, Alfred J., Chequerbent, near Bolton, J. Tonge, Jr., Westhoughton, near Bolton, and E. Eaves, Stockport, England. Hydraulic press for mining purposes.	756,738	Apr. 5	1046	232 233	109	1567
Tonge, James, Jr. (See Tonge and Eaves.)						
Tonge, Richard, and J. Butterworth, Pendleton, near Manchester, England. Steam-trap.	772,589	Oct. 18	2785	613	112	1598
Tonhal, William A., Newview, Ind. Caster.	759,408	May 10	1705	345	110	406
Tonjes, Henry, Mount Vernon, N. Y., assignor, by mesne assignments, to American Vibrator Company. Pneumatic vibrator.	760,088	May 17	3012	639	110	713
Tonkin, James E., Camperdown, W. Ames, North Sydney, and W. E. H. Nicolle, Beecroft, near Sydney, New South Wales, Australia. Means for securing the fastenings of railway or tramway rails at the joints.	760,586	May 24	3969	844	110	944
Tonkin, John J. (See Perkins, Pardon T., assignor.)						
Tonkin, John J., Oswego, N. Y. Steam-boiler.	772,071	Oct. 11	1731	385 386	112	1345
Tonkin, William J., assignor to Ansonia Electrical Company, Ansonia, Conn. Floor-tread.	769,198	Sept. 6	111	28	112	25
Tonnofski, George L., Raleigh, N. C. Target.	756,433	Apr. 5	487	102	109	1446
Tons, George, Jr., and R. E. Sheridan, St. Louis, Mo. Surface smoothing and sandpapering machine.	751,820	Feb. 9	1299	437	108	1486
Toobe, Heinrich L. B., Hornsea, England. Preparing lithographic plates for the reception of designs.	773,904	Nov. 1	740	113	170	
Toof, Edwin J. (See Ammerman, William M., assignor.)						
Toof, Edwin J., assignor to Edwin J. Toof Company, New Haven, Conn. Sewing-machine.	761,558	Mar. 31	5907	1266	110	1382
Toother, Jane, assignor to C. J. O'Hern and P. H. Crowley, Hyde Park, Mass. Bathing-cap.	770,338	Sept. 20	2306	485	112	556

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Toohy, Patrick, Darragh, Pa. Wrench	751,821	Feb. 9	1890	438	108	1487
Tooker, Edmund C., Larchmont, N. Y. Hose-supporter	755,188	Mar. 22	3873	855	109	897
Tooker, Edmund C., Larchmont, and V. Price, assignors to C. J. Higley, New York, N. Y. Hose-supporter	775,587	Nov. 22	4182	881	113	999
Tooker, Harry B., New York, N. Y. Eraser	762,852	June 14	2467	535	110	1991
Toole, John H., Chicago, Ill. Cushion-tire	755,259	Mar. 22	4001	888	109	923
Toole, M. L., et al. (See Tapley, John E., assignor.)						
Toomey, Jeremiah D. (See Smith, Harris B., assignor.)						
Toomey, John A., Toledo, Ohio. Fuel-oil burner	771,189	Sept. 27	3954	834	112	937
Toomey, Thomas, Scranton, Pa. Tie-plate	773,351	Oct. 25	4471	946	112	1991
Tope, Ezra E., Scio, Ohio. Applicator	768,081	June 21	2909	627	110	2110
Topp, George C. J., Ryde, Isle of Wight, England. Naval or military artillery	770,200	Sept. 13	2011	424	112	468
Topping, William V. B., et al. (See Burkholder, John H., assignor.)						
Tordiff, Isaac, Philadelphia, Pa. Bottle-filling device	766,918	Aug. 30	5718	1202	111	2386
Torney, James H., Buffalo, N. Y. Foldable conveyer	755,333	Mar. 22	4148	917 918	109	954
Torrance, Charles E., Northampton, Mass. Calendering-machine	753,761	Mar. 1	1041	236 237 238 239	109	224
Torrance, Charles E., Florence, Mass. Paper-finishing machine	767,380	Aug. 9	2405	503 504	111	1591
Torrance, Miriam J., Indianapolis, Ind. Uterine supporter	760,823	May 24	4481	953	110	1052
Torrance, William W., Montrose, assignor of one-half to E. S. Kassler, Denver, Colo. Type-writing machine	770,665	Sept. 20	2911	619	112	691
Torrans, Clifford H., assignor of one-half to H. L. Mitchell, Bangor, Me. Stove attachment	754,028	Mar. 8	1618	360	109	373
Torrans, Frank J., Philadelphia, Pa. Wave-motor	771,754	Oct. 4	1044	232	113	1182
Torrans, John A., Somerset, Coleraine, Ireland. Elastic-fluid-pressure rotary engine	768,919	Aug. 30	5720	1202	111	2386
Torrey, Lewis H., Worcester, Mass. Suspension-hook	754,518	Mar. 15	2636	573	109	612
Torrey, William F., Boston, Mass. Independent valve-gear	773,302	Oct. 25	4361	921	112	1969
Torry, Henry M., and H. T. Barnes, Montreal, Canada. Pyrometer	769,364	Sept. 6	451	101	112	100
Toscan, James E., Jamestown, N. Y. Detachable ice-creeper	773,574	Dec. 6	831	179	113	1610
Toscan, James E., and C. J. Cady, Jamestown, N. Y. Ice-creeper	749,342	Jan. 12	1622	344	108	391
Tothill, William S., Chicago, Ill. Amusement apparatus	762,959	June 21	2682	581	110	2059
Totten, Edythe, and H. A. Kimball, New York, N. Y. Portable tea-steeper	761,559	May 31	5909	1266	110	1382
Totten, Eugene C., Albany, N. Y. Brake-beam clamp	774,271	Nov. 8	1820	280	113	515
Totten, Francis E., Newark, N. J. Universal frictional hinge	765,222	June 21	3183	665	110	2172
Totten, Harry L. (See Cooney and Totten.)						
Tottle, Morton P., and G. B. Fairman, Baltimore, Md.; said Fairman assignor to said Tottle. Machine for freeing brushes of loose bristles	760,938	May 24	4694	1000	110	1098
Totzke, Robert C., St. Joseph, Mich. Basket-handle	774,542	Nov. 8	1923	417	113	445
Tournier, Julius C., Schenectady, N. Y., assignor to General Electric Company. Lamp-socket	751,029	Feb. 2	456	107	108	1158
Tournier, Julius C., Schenectady, N. Y., assignor to General Electric Company. Electric cut-out	768,351	Aug. 23	4515	950	111	2095
Tourtrel, John M., and G. L. Hogan, London, England. Phonograph, &c	761,729	June 7	212	40	110	1485
Tousey, Howard W., Niles, Mich., assignor of one-half to R. A. Eastman, Chicago, Ill. Sled	763,521	June 28	3775	816	110	2320
Tousey, William G., Somerville, Mass. Filter-tablet	750,235	Jan. 19	3374	728	108	782
Tousey, William G., Somerville, Mass. Filter	766,918	Aug. 9	1631	343	111	1423
Tousley, Edgar A., assignor to W. Langtry, Fort Wayne, Ind. Hothouse-ventilator	764,965	July 12	2194	454	111	496
Tower, Clinton A., Cleveland, Ohio, assignor to National Malleable Castings Company. Car-coupling	757,366	Jan. 12	2304	503	109	1850
Tower, Daniel W., Grand Rapids, Mich. Drawer-pull	749,410	Apr. 13	1761	372	108	419
Tower, Daniel W., Grand Rapids, Mich. Hinge	749,411	Jan. 12	1762	373	108	419
Tower, Daniel W., Grand Rapids, Mich. Latch	754,721	Mar. 15	3032	663	109	697
Tower, Daniel W., Grand Rapids, Mich. Catch for double doors	761,784	June 7	369	75	110	1521
Tower, Daniel W., Grand Rapids, Mich. Device for fastening furniture-trimmings	768,199	Sept. 6	112	28, 39	112	28
Tower, George A., et al. (See Ball, Augustus W., assignor.)						
Tower, William G., Corona, Cal., assignor of ten-elevenths to W. B. Roberts, W. P. Bryant, D. W. Walkinshaw, W. N. Tilson, P. S. Gruendike, J. Sunderland, D. H. Alden, I. Feldman, and G. W. Gray. Shovel-plow	768,640	Aug. 30	5153	1062	111	2258
Towers and Sullivan Manufacturing Company. (See Word, Arthur M., assignor.)						
Towers, William M. (See Harrington and Towers.)						
Towle, Joshua S., Redwood Falls, Minn. Rein-guard attachment for vehicles	761,270	May 31	5376	1143	110	1263
Towne, Joseph M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Automatic steam-trap	757,694	Apr. 19	2981	646	109	2012
Towne, Lorin W., Keene, N. H. Wheelchair	754,722	Mar. 15	3034	662	109	697
Towner, Harry L., et al. (See Meixell and Holt, assignors.)						
Towner, Jesse L., Vernon county, Mo. Band-tying mechanism for baling-presses	764,318	July 5	810	166 167 168	111	178
Townsend, Abbott E., Centralia, Wash. Saw-handle	774,292	Nov. 8	1464	314	113	346
Townsend, Charles H. (See Townsend, Cort W., assignor.)						
Townsend, Charles H., Berkeley, Cal. Ticket-distributor	767,610	Aug. 16	2999	626	111	1743
Townsend, Charles R. (See Lloyd and Townsend.)						
Townsend, Cort W., New Philadelphia, Ohio. Switch-operating device	769,513	Sept. 6	735	159	112	167
Townsend, Cort W., assignor of one-fourth to C. H. Townsend, New Philadelphia, Ohio. Match-box	775,071	Nov. 15	3025	642	113	715
Townsend, Daniel, Denver, Colo. Tram-car	766,854	Aug. 9	1507	313	111	1365
Townsend, David, Philadelphia, Pa. Unit-record	756,729	Apr. 5	1049	233	109	1567
Townsend, Everett E., Fort Stockton, Tex. Pipe or rod holder	749,700	Jan. 19	2480	528	108	590
Townsend, Pittsburgh. (See Young and Townsend.)						
Townsend, Frank B., Penn Yan, N. Y. Check-controlled apparatus	772,977	Oct. 25	3551	769	112	1784
Townsend, Fred E. (See Wight and Townsend.)						
Townsend, Frederick B., assignor to W. H. Miner Company, Chicago, Ill. Combined friction and direct-acting spring draft-rigging for railway-cars	737,579	Apr. 19	2756	602	109	1963
Townsend, Frederick B., assignor to W. H. Miner Company, Chicago, Ill. Friction draft-rigging for railway-cars	760,824	May 24	4482	954	110	1053
Townsend, Frederick B., assignor to W. H. Miner Company, Chicago, Ill. Double-spring friction draft-rigging	761,795	June 7	370	75	110	1522
Townsend, Frederick B., assignor to W. H. Miner Company, Chicago, Ill. Friction draft-rigging	762,505	June 14	1742	374	110	1836
Townsend, Frederick B., assignor to W. H. Miner Company, Chicago, Ill. Rocker side bearing for railway-cars	766,745	Aug. 2	1237	262	111	1316

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Townsend, George. (See Beck and Townsend.)						
Townsend, George E., assignor to Kelley-Springfield Road Roller Company, Springfield, Ohio. Scraper for road-rollers.	776,087	Nov. 29	5078	1072	113	1213
Townsend, George G., Frothingham, Md. Leveling instrument.	754,732	Mar. 15	3083	662	109	897
Townsend, Harry P., New Britain, Conn. Coin-receptacle.	768,522	June 28	3776	816	110	2320
Townsend, Harry P., assignor to Corbin Cabinet Lock Company, New Britain, Conn. Coin-receptacle.	776,702	Dec. 6	470	104	113	1531
Townsend, Owen L., Marshall, Mich. Post-mold.	773,303	Oct. 25	4364	921	112	1969
Townsend, Richard S., Union City, Mich. Split hub and sprocket.	760,910	Feb. 2	248	55	108	1112
Townsend, Stephen, Scotchplains, N. J. Telegraph or other blank.	749,241	Jan. 12	1406	301	108	342
Townsend, William W., Rutland, Vt., assignor of three-fourths to W. N. Knowlton, Melrose, Mass. Surgical or obstetrical sheet.	756,544	Apr. 5	689	148	109	1488
Townslay, Everett W. (See Emery, Charles P., assignor.)						
Towsley, John T., Cincinnati, Ohio. Adjustable stop for the tables of hand-saws.	776,272	Nov. 29	5525	1170	113	1314
Toye, William H. R., Philadelphia, Pa., assignor to Multi-Colour Printing Company, Limited, London, England. Printing-press.	761,560	May 31	5910	1267	110	1383
Tozier, Charles C., assignor to Maine Valve Company, Skowhegan, Me. Ball-cock valve.	752,314	Feb. 16	2837	644	108	1720
Tozier, George W. (See Houser, Winfield S., assignor.)						
Trabue, Luther, Girard, Ill. Division-block setter for baling-presses.	762,773	June 14	2298	501 502	110	1954
Tracey, John, Brooklyn, assignor to E. C. Seaman, New York, N. Y. Watering-pot.	756,190	Mar. 29	5774	1275	109	1327
Tracy, James F., Sheridanville, assignor of one-half to W. H. McFadden, Pittsburg, Pa. Resistance for electrical uses.	763,812	June 28	4350	945	110	2442
Tracy, James F., Sheridanville, assignor of one-half to W. H. McFadden, Pittsburg, Pa. Starting-box for motors.	770,405	Sept. 20	2413	510	112	580
Tracy Manufacturing Company. (See Stine, Edward, assignor.)						
Tracy Manufacturing Company. (See Turck, Frederick M., assignor.)						
Tracy, Stephen J., New York, N. Y. Curtain-ring.	759,045	May 3	910	185	110	209
Trainham, Edgar N., Washington, D. C. Mail-bag delivering apparatus.	771,687	Oct. 4	917	207	112	1155
Trainham, Edgar N., Washington, D. C. Mail-bag crane.	772,761	Oct. 18	3130	682	112	1671
Tramezzani, Achille, London, England. Packet-closure.	762,504	June 14	1741	371	110	1835
Tremmell, Erasmus R., Lakeland, Fla. Safety attachment for car-couplings.	755,816	Mar. 29	5079	1127	109	1174
Transparent Cellulose Products Company. (See Feval, Leon, assignor.)						
Trantom, William, New Brighton, England. Purifying brine.	755,415	Mar. 22	4300		109	989
Trapp, Matilda L. (See Trapp, Samuel M. and M. L.)						
Trapp, Matilda L., Los Angeles, Cal. Smelting-furnace.	749,954	Jan. 19	2345	607 608	108	669
Trapp, Samuel M. and M. L., Seattle, Wash. System of protecting bank-checks.	774,345	Nov. 8	1567	335	113	369
Trapp, Susanna B., New York, N. Y. Safety apparatus for elevators.	755,189	Mar. 22	3874	836	109	897
Trasquier, John. (See Cross and Trasquier.)						
Trash, Frederick W. (See Fenner and Trash.)						
Trask, George E. (See Carleton and Trask.)						
Traugher, Thomas M., et al. (See Parsons, Robert L., assignor.)						
Traut, Frank L. (See Traut, Justus A. and F. L.)						
Traut, George W., New Britain, Conn. Clasp for garment-supporters.	765,721	July 26	3668	732	111	839
Traut & Hine Manufacturing Company. (See Humphrey, Ernest N., assignor.)						
Traut & Hine Manufacturing Company. (See Prentice, George E., assignor.)						
Traut, Justus A., New Britain, Conn. Rule and angle-finder.	775,951	Nov. 29	4904	1036	113	1172
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.	749,242	Jan. 12	1407	302	108	842
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.	754,624	Mar. 15	2829	617	109	651
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.	754,625	Mar. 15	2830	617	109	651
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Level.	760,587	May 24	3970	844	110	944
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Plane.	766,473	Aug. 2	663	142	111	1189
Traut, Justus A., assignor to Stanley Rule & Level Company, New Britain, Conn. Miter-box.	770,834	Sept. 27	3258	698	112	764
Traut, Justus A. and F. L., New Britain, Conn. Measuring-rule.	769,523	June 28	3773	816	110	2321
Traute, Henry C., et al. (See Anthony, Mark O., assignor.)						
Traveling Stairway Company. (See Baltzley and Quay, assignors.)						
Traver Circle Swing Co. (See Traver and Nichols, assignors.)						
Traver, Harry G., New York, N. Y., and C. W. Nichols, Newark, N. J., assignors to Traver Circle Swing Co. Amusement apparatus.	758,341	Apr. 26	4265	916	109	2812
Travers, Charles J. (See Bolens and Travers.)						
Traverse City Iron Works. (See Fulghum, Elisha J., assignor.)						
Traves, Webster F., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Device for unloading cars.	768,006	Aug. 16	3808	734 735	111	1918
Travis, Asher O. (See Lavent, Richard and Travis.)						
Travis, Clarence F. (See Davis, Bethuel M., assignor.)						
Travis, Eli B. and C. I. Palmblad, Paxton, Ill. Coffee-pot.	773,690	Nov. 1	302	67	113	72
Travis, Otis S., Selina, Ga. Railway-ticket.	773,273	Nov. 29	5526	1170	113	1815
Travis, Owen J., Denver, Colo. Derailing device.	768,709	Aug. 30	5300	1113	111	2289
Traviss, Norman W., St. Thomas, N. D. Oliver.	769,591	Jan. 12	2181	444	108	499
Traxler, Cisco R., Winston Salem, N. C. Railway-signal.	775,199	Nov. 15	3236	703	113	775
Traylor, John A. (See Morris, John O., assignor.)						
Traylor, John A., et al. (See Morris, John O., assignor.)						
Traylor, John A., Denver, Colo. Shaking ore-screen.	777,317	Dec. 13	1669	370	113	1813
Traylor, Jophis. (See Gwyn, Traylor, and Robbins.)						
Traylor, Samuel W., New York, N. Y. Screen.	777,702	Dec. 20	2429	534	113	1992
Traylor, Samuel W., New York, N. Y. Screen.	777,703	Dec. 20	2434	535	113	1993
Trayssac, Firmin J., Angels Camp, Cal. Machine for preparing blasting charges.	754,830	Mar. 15	3226	702	109	740
Treadwell, Charles E., Denver, Colo. Door hinge and check.	766,746	Aug. 2	1239	263	111	1216
Trebert, Henry L. F., Rochester, N. Y. Variable-speed-transmission gearing.	764,644	July 12	1544	315	111	854
Trebert, Henry L. F., Rochester, N. Y. Variable-speed mechanism.	765,445	July 19	3097	648	111	706
Tredair Rubber Company. (See Kennedy, Michael A., assignor.)	757,367	Apr. 12	2307	504	109	1850
Tredway, Dwight. (See Brown and Tredway.)						
Tredway, William T. (See Gracely, Charles B., assignor.)						
Tredwell, William B. (See Jucken and Tredwell.)						
Treen, Stephen L., Jersey City, N. J. Cooking utensil.	749,592	Jan. 12	2133	444	108	460
Treffly, Charles W., assignor of one-half to F. M. Roberts, St. Louis, Mo. Dispensing-cabinet.	778,515	Dec. 27	4081	889	113	2255
Tregellas, Thomas H., Iuka, Kans. Weed-puller.	774,293	Nov. 8	1465	314	113	345

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Tregellas, Thomas H., Iuka, Kans. Animal-poke.....	778,342	Dec. 27	3738	814	113	2280
Tregoning, William C., Hartford, Conn. Attachment for water-closet seats.....	765,643	July 19	3474	733	111	796
Tregurtha, George E., Malden, Mass. Variable sparking mechanism.....	749,505	Jan. 12	1976	411	108	462
Tregurtha, George E., Malden, Mass. Variable sparking mechanism.....	761,271	Aug. 31	5377	1143	110	1264
Treichler, Daniel H., Niagara Falls, N. Y. Acetylene-gas generator.....	768,890	May 30	5538	1165	111	2342
Treloar, Thomas, Radersburg, Mont. Vehicle-brake.....	748,818	Jan. 5	494	111	108	112
Trenton Construction Company. (See McLewee, William S., assignor.)						
Trenton Watch Company. (See Dudley, William W., assignor.)						
Trentzsch, Robert. (See Philipp and Trentzsch.)						
Trepanier, Pierre, Burlington, Vt. Bristle-combing machine.....	758,876	May 3	600	118 119 120	110	143
Trescott, Charles B., Portland, Oreg. Plant for curing food products.....	750,133	Jan. 19	3191	684	108	739
Tresidder, Tolmie J., Sheffield, England. Manufacture of steel.....	774,355	Nov. 15	2785		113	657
Tresidder, Tolmie J., Sheffield, England. Manufacture of steel armor-plate, &c., with a hardened face.....	774,959	Nov. 15	2786		113	657
Tretch, William J., assignor to F. A. Riehle, Philadelphia, Pa. Compressometer.....	773,015	Feb. 23	4277	952	108	434
Tretch, William J., assignor to F. A. Riehle, Philadelphia, Pa. Grip for testing-machines.....	759,646	May 10	2160	444	110	506
Tretch, William J., assignor to F. A. Riehle, Philadelphia, Pa. Testing-machine.....	774,212	Nov. 8	1320	281	113	315
Tretthewey, James, assignor of one-half to G. H. Harris, Stockton, Cal. Bean thresher and cleaner.....	762,212	June 7	1134	243	110	1686
Tretthewey, James, assignor to Harris Manufacturing Company, Stockton, Cal. Traveling harvester.....	769,965	Sept. 13	1574	336	112	371
Treude and Metz. (See Fuchs, Paul, assignor.)						
Treves, Marco, Turin, Italy. Means for obtaining liquid at a desired temperature.....	771,512	Oct. 4	578	130	112	1082
Trevor, Francis N. (See Trevor, William W. and F. N.)						
Trevor Manufacturing Company. (See Trevor, William W. and F. N., assignors.)						
Trevor, William W. and F. N., assignors to Trevor Manufacturing Company, Lockport, N. Y. Sawing-machine.....	764,873	July 12	1997	412	111	453
Tribble, Joseph F., Norwich, Conn., assignor of one-half to A. V. Peabody, Worcester, Mass. Buoy for sunken vessels.....	770,323	Jan. 26	3546	766	108	841
Trillat, Jean A., Paris, assignor to La Société des Caves et des Producteurs Reunis de Roquefort, Roquefort, France. Manufacture of Roquefort cheese.....	770,030	Sept. 13	1695		112	400
Trinbly, John E., Albany, Ind. Machine for skinning tomatoes.....	758,773	May 10	2394	499	110	558
Trimyer, Henry L., Portsmouth, Va. Transom-lifter.....	773,834	Oct. 25	4471	946	112	1992
Triner, James M., Chicago, Ill. Weighing-scale.....	752,874	Feb. 23	3907	889	108	1975
Triner, James M., assignor to Fashion Specialty Company, Chicago, Ill. Skirt-hanger.....	751,080	Feb. 2	458	107	108	1159
Trinks, Willibald, assignor to William Tool Company, Youngstown, Ohio. Engine-governor.....	761,019	May 24	4882	1032 1033	110	1137
Tro Patent Production Company. (See Sanguinet, Edward A., assignor.)						
Triplex, Gesellschaft für Soole-Verdampfung im Vacuum M. B. H. (See Sachse, Otto, assignor.)						
Tripp, Bradford H., assignor of one-half to F. S. Barnes and B. Radcliffe, Marcus, Iowa. Rail-joint chair.....	774,999	Nov. 15	2678	575	113	633
Tripp, Charles A., Indianapolis, Ind. Apparatus for applying pigments.....	758,798	May 3	439	88	110	108
Tripp, Charles A., Indianapolis, Ind. Web cutting, printing, and folding press.....	763,337	June 21	3389	737	110	2215
Tripp, Charles A., Indianapolis, Ind. Level-indicator for liquids.....	771,447	Oct. 4	450	102	112	1053
Tripp, Eliphalel A., New Bedford, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Heel-compressing machine.....	776,875	Dec. 6	832	179 180	113	1610
Tripp, Henry C., Auburn, N. Y. Dump-wagon.....	756,912	Apr. 12	1393	310	109	1655
Tripp, Henry C., Auburn, N. Y. Dump-wagon.....	764,319	July 5	821	168	111	182
Tripp, Henry C., assignor to M. C. Ernberger, Auburn, N. Y. Dump-wagon.....	766,123	July 26	4442	932	111	1006
Tripp, James S., deceased; L. J. Tripp and F. M. Enos, Rochester, N. Y., executors. Hook and holder for extension-ladders.....	755,190	Mar. 22	3879	856	109	898
Tripp, Lucy J., et al., executors. (See Tripp, James S.)						
Trisler, Early C., assignor of one-half to T. Lee, Home City, Ohio. Device for drawing and measuring angles.....	774,858	Nov. 15	2602	557	113	615
Trisler, John, Fairmount, Ill. Sliding gate.....	770,201	Sept. 13	2012	425	112	469
Troche, William. (See Goehring and Troche.)						
Tromblee, Andrew, et al. (See Marsden, John A., assignor.)						
Trombley, Charles L., Grayling, Mich. Skidway for sawmills.....	750,911	Feb. 2	249	55	108	1112
Trombly, William C., Lowell, assignor to Draper Company, Hopedale, Mass. Self-threading loom-shuttle.....	751,123	Feb. 2	620	144	108	1192
Troun, William. (See Garton, Henry P., assignor.)						
Trone, George W., Rushville, Ill. Farrowing-house.....	751,961	Feb. 9	8207	497	108	1549
Trood, Samuel, New York, N. Y. Liquid-fuel burner.....	762,262	June 7	1280	265	110	1707
Tropp, Paul, Berlin, Germany. Lock.....	756,434	Apr. 5	489	102	109	1447
Tropp, Paul, Berlin, Germany. Lock.....	756,435	Apr. 5	491	103	109	1447
Trolier, Joseph F. X., Montreal, Canada. Telegraph-transmitter.....	763,083	June 21	2910	627	110	2110
Trott, David C. (See Martin and Trott.)						
Trotz, John O. E., Worcester, Mass. Apparatus for casting bars or rods.....	770,180	Sept. 13	1867	397	112	437
Trounstein, Lewis, et al. (See Thomas, Larkin A., assignor.)						
Troupe, Samuel L., and M. C. Brooks, Philadelphia, Pa.; said Brooks assignor to said Troupe. Hat pin or fastener.....	754,519	Mar. 15	2637	572	109	612
Troussures, Pierre de. (See Philipps and Troussures.)						
Trout, Everett J., Shelbyville, Ill. Club or baton.....	760,880	Sept. 13	1414	201	112	237
Trout, Walter C., Milwaukee, Wis. Piston-rod support.....	774,213	Nov. 8	1332	281	113	315
Troutman, Birdine, Saxton, Pa. Coke-oven door.....	750,323	Jan. 26	3548	766	108	841
Troutman, Fletcher T., and A. Gonzales, assignors of one-half to P. H. Muskat, Los Angeles, Cal. Rail-way-switch.....	764,166	July 5	514	101	111	114
Trowbridge, Frank, Fond du Lac, Wis. Fuel-oil burner.....	772,263	Oct. 11	2128	464	112	1434
Trowbridge, John, Cambridge, Mass. Telephone.....	756,436	Apr. 5	492	103	109	1447
Trowbridge, John, Cambridge, Mass. Telephone.....	756,437	Apr. 5	498	104	109	1441
Trowbridge, Orin A., Columbus, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Testing device.....	758,799	May 3	441	88	110	108
Troy, Daniel W., New York, N. Y. Selecting electrical impulses.....	755,596	Mar. 22	4594	1023	109	1058
Troy, Daniel W., New York, N. Y. Receiving electrical impulses.....	773,171	Oct. 25	4106	828	112	1913
Troy, Daniel W., New York, N. Y. Apparatus for receiving electrical impulses.....	774,322	Nov. 15	2722	585	113	643
Troy, Daniel W., New York, N. Y. Receiver for telephones or the like.....	774,923	Nov. 15	2734	585	113	643

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Troy, Daniel W., New York, N. Y. Selecting electrical impulses	775,030	Nov. 15	2975	634	113	704
Troy, Daniel W., Montgomery, Ala. Apparatus for wirelessly transmitting electrical energy	775,876	Dec. 6	838	180	113	1611
Troy, Matthew O., Lynn, Mass., assignor to General Electric Company. Electric condenser	756,991	Apr. 12	1552	341	109	1688
Troyer, Daniel L., Shanesville, Ohio. Safety hook or ring	738,813	June 28	4351	945	110	2442
Truax, John, Longbranch, N. J. Construction of bulkheads	757,368	Apr. 12	2309	1504 505	109	1851
Trüb, Reinhold, Hombrechtikon, near Zurich, Switzerland. Apparatus for producing gyrotary magnetic lines of force for therapeutic purposes	765,690	July 26	3590	763	111	826
Trucks, John E. (See Brown and Trucks.)						
Trudeau, Levi, Toledo, Ohio. Wrench	754,520	Mar. 15	2638	573	109	612
True, Mark B., deceased; M. L. Dow, administrator, assignor to J. F. Smith and M. L. Dow, Salisbury, Mass. Ditching-machine	749,778	Jan. 19	2519	535	108	598
True, Moses E., East Pembroke, N. Y. Cresscut-saw handle	778,516	Dec. 27	4082	889	113	2357
Truesdale, Harry A., assignor to Conneaut Can Company, Conneaut, Ohio. Tool for locking caps or seals in cans	763,937	June 28	4588	1001	110	2492
Truesdel, Lemuel E., Kershaw, S. C. Turbine	769,514	Sept. 6	736	159	112	167
Truett, George E. (See McFarlane, John, assignor.)						
Trufant, Walter E. (See Brigham and Trufant.)						
Truitt, Harry W., New Bethlehem, Pa. Vulcanizer	756,913	Apr. 12	1395	310	109	1656
Trull, Herbert, Fernie, Canada. Electric alarm	760,281	May 17	3387	714	110	796
Trum, Emanuel J., New York, N. Y. Easel-support	756,740	Apr. 5	1055	234	109	1567
Truman, Charles, Toledo, Ohio. Air-brake safety device	749,810	Jan. 19	2571	546	108	610
Truman, Charles, assignor of one-half to W. G. Smith, Toledo, Ohio. Air-brake safety device	749,809	Jan. 19	2570	546	108	609
Trumbull, Drayton E., Fremont, Nebr. Bit-stock	755,078	Mar. 22	3684	808	109	858
Trumbull Electric Company. (See Trumbull, Henry, assignor.)						
Trumbull Electric Manufacturing Company. (See Trumbull, John H., assignor.)						
Trumbull, Henry, assignor to Trumbull Electric Company, Plainville, Conn. Switch	758,120	Apr. 26	3819	829	109	2215
Trumbull, John H., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Plug-receptacle for electric circuits	759,941	May 17	2721	572	110	646
Trump, Charles E., assignor to Novelty Electric Company, Philadelphia, Pa. Pencil-holder	775,097	Nov. 15	3074	653	113	725
Trump, Edward N., Syracuse, N. Y. Apparatus for drying moist material	748,893	Jan. 5	642	144	108	143
Trump, Edward N., Syracuse, N. Y. Treating material	748,894	Jan. 5	648	144	108	145
Trump, Edward N., Syracuse, N. Y. Hydraulic main	754,104	Mar. 8	1767	393	109	405
Trump, Fuller, Springfield, Ohio. Bearing for water-wheel shafts	766,296	Aug. 2	321	66	111	1112
Trumpp, Roswell H., Springfield, Mo. Holder and protector for labels	763,128	June 21	2989	645	110	2127
Trussell, Emory A., assignor to Sieber & Trussell Mfg. Company, St. Louis, Mo. Perforating-machine	749,593	Jan. 12	2134	444	108	500
Trussell, Emory A., assignor to Sieber & Trussell Manufacturing Company, St. Louis, Mo. Temporary binder	760,042	May 17	2924	612	110	692
Truxal, Benjamin S., Chattanooga, Tenn., assignor to W. C. Thoma, Pittsburg, Pa. Apparatus for treating asphalt	778,558	Dec. 27	4151	904 905	113	2371
Truxal, Paul S., Latrobe, Pa. Curtain-pole	753,181	Feb. 23	4572	1019	108	2110
Truxell, Geary E. (See Kelly and Truxell.)						
Truyter, Edward C. (See Lisenard and Tuyter.)						
Tubman, Hattie R., Baltimore, Md. Hat-holder	770,835	Sept. 27	3260	687	112	784
Tuck, Nelson L. and W. W., Brooklyn, N. Y. Fuel injector for oil-engines	753,079	Mar. 22	3687	899	109	538
Tuck, Nelson L. and W. W., Brooklyn, N. Y. Vaporizer and igniter for oil-engines	762,960	June 21	2684	581	110	2060
Tuck, William W. (See Tuck, Nelson L. and W. W.)						
Tuck, William W., Richmond Hill, and A. Wassmann, Astoria, N. Y. Feed-controlling mechanism for hydrocarbon-motors	750,912	Feb. 2	250	56,57	109	1113
Tuck, William W., Richmond Hill, and A. Wassmann, Astoria, assignors to A. A. Low, Horseshoe, N. Y. Hydrocarbon-vapor engine	753,331	Mar. 1	210	47,48	109	48
Tuck, William W., Richmond Hill, A. Wassmann, Halletts Point, and A. A. Low, Horseshoe, N. Y., assignors to said Low. Starting-vaporizer for explosive-engines	768,641	Aug. 30	5154	1082	111	2258
Tucker, Albert S., Dallas, Tex. Combined penholder and eraser	761,428	May 31	3680	1209	110	1332
Tucker, Alfred H., Whiterock, Mich. Fire-box	761,440	May 31	5515	1175	110	1233
Tucker, Andrew P., assignor to E. H. Huenefeld, Cincinnati, Ohio. Elbow-machine	776,038	Nov. 29	5079	1072	113	1214
Tucker, Benjamin W., Newark, N. J. Cigarette and cigar making machine	768,831	Aug. 30	5546	1166	111	2344
Tucker, Charles F., Hartford, Conn. Oil-cup	777,704	Dec. 20	2436	535	113	1993
Tucker and Dorsey Manufacturing Company <i>et al.</i> (See Dorsey, Robert L., assignor.)						
Tucker, Edwin D., assignor to R. Hoe, New York, N. Y. Machine-clamp	773,172	Oct. 25	4108	868	112	1913
Tucker, Edwin W. (See Grundell and Tucker.)						
Tucker, Edwin W., and C. L. Grundell, San Francisco, Cal. Oil-burning system	758,224	Apr. 26	4006	869 870	109	2255
Tucker, George C. (See Farrington and Tucker.)						
Tucker, George W. (See Mundt, Albert R., assignor.)						
Tucker, Junius E., assignor of one-half to W. S. Brian, Memphis, Tenn. Paper-feeding mechanism for printing-presses	768,247	Aug. 23	4321	909	111	2053
Tucker, Louis W., Seymour, Conn. Folding bucket	754,105	Mar. 8	1773	393	109	407
Tucker, William A. (See Hanus and Tucker.)						
Tucker, William D., Anderson, Ind. Hydrocarbon-burner	756,914	Apr. 12	1396	310	109	1656
Tucker, William F. (See Parks, John R., assignor.)						
Tucker, Zechariah R., Providence, R. I., assignor, by mesne assignments, to Iroquois Machine Company, Bedford, N. Y. Pump and water connection	761,730	June 7	213	41	110	1485
Tuckfield, Charles, East Molesey, England. Mechanism for converting reciprocating into rotary motion, and vice versa	755,416	Mar. 22	4302	951	109	989
Tuckfield, George A. (See Ebert and Tuckfield.)						
Tudor Boiler Manufacturing Company. (See Kaiser, Oliver B., assignor.)						
Tudor, Frederic (See Walden, Frederic E., assignor.)						
Tudor, Frederic, deceased; F. Tudor, Brookline, Mass., administrator. Valve	759,774	May 10	2397	500	110	559
Tudor, John C., Baltimore, Md. Combined guard and stand for electric lamps	763,129	June 21	2990	646	110	2127
Tuerck, Robert, assignor to E. Guhl, Zurich, Switzerland. Clock striking mechanism	755,260	Mar. 22	4004	888 889	109	924
Tuerk, Frederick W., Berlin, Canada. Match-igniting device	750,942	May 17	2723	572	110	646
Tuffley, George E., assignor to International Harvester Company, Chicago, Ill. Making metal wheels	777,452	Dec. 13	1932	427	113	1870
Tufts, James A., Abilene, Kans. Shade-trimming device	770,131	Sept. 13	1868	397	112	437
Tuisku, John, Everett, Wash. Supporting apparatus for drag-saws, &c	767,255	Aug. 9	2291	480	111	1567
Tull, George T. (See Tull, Robert M. and G. T.)						
Tull, Robert M. and G. T., Windsor, Ill. Punch	753,036	Mar. 8	1450	325	109	334

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Tuller, Romane M., assignor of one-half to W. Scheidenberger, Denver, Colo. Nut and bolt lock.....	770,945	Sept. 27	3468	732	112	833
Tullgren, Martin, <i>et al.</i> (See Phillips, Edwood C., assignor.).....						
Tulloch, Louis R., Angels Camp, Cal. Concentrator.....	748,819	Jan. 5	495	112	108	112
Tulloch, Louis R., Angels Camp, Cal. Stamp-mill attachment.....	748,820	Jan. 5	496	113	108	113
Tulloch, Ross W., and P. Barnes, Seattle, Wash. Power set-works for saw-carriages.....	777,318	Dec. 13	1674	371	113	1814
Tuma, Frank, Buffalo, N. Y. Suction oil-plug for overcoming back pressure in lubricator oil-pipes.....	773,353	Oct. 25	4473	947	112	1992
Tuman, George, Honesdale, Pa. Non-refillable bottle.....	764,905	July 12	2078	430	111	471
Tunaley, John, Derby, England, assignor to Mergenthaler Linotype Company, New York, N. Y. Assembling mechanism for linotype-machines.....	764,167	July 5	516	101	111	114
Tunbridge, John, deceased; V. Tunbridge, Newark, N. J., administratrix. Apparatus for recovering precious metals.....	777,159	Dec. 13	1378	304	113	1748
Tunbridge, Virginia, administratrix. (See Tunbridge, John.).....						
Tunelius, Charles E., Chicago, Ill. Bottle-washing machine.....	768,492	Aug. 23	4818	1009	111	2166
Tunsberg, Frederick F., Philadelphia, Pa. Valve.....	755,334	Mar. 22	4153	918	109	955
Tunstall, William, assignor to Ivins, Dietz and Metzger Company, Philadelphia, Pa. File-wire sharpener for looms.....	761,052	May 24	4947	1048	110	1151
Toor, Joseph B., St. Paul, Minn. Glass-protecting attachment for faucets.....	756,915	Apr. 12	1397	310	109	1656
Turbayne, William A., Buffalo, assignor to C. M. Gould, New York, N. Y. Electric lighting and power system.....	757,695	Apr. 19	2983	648	109	2013
Turbayne, William A., Lancaster, assignor to C. M. Gould, New York, N. Y. Automatic regulator for electric generators.....	760,713	May 24	4242	902	110	1008
Turbayne, William A., Lancaster, assignor to C. M. Gould, New York, N. Y. System of electrical distribution.....	760,714	May 24	4245	902	110	1008
Turbine Electric Truck Company. (See Lea, Edward S., assignor.).....						
Turbine Irrigation Company. (See White, Moses H., assignor.).....						
Turbine Motor Tool Company. (See Anderson and Fletcher, assignors.).....						
Turbine Motor Tool Company. (See Fletcher, Nathan W., assignor.).....						
Turck, Fenton B., Chicago, Ill. Implement for mechanical vibratory treatment.....	750,735	Jan. 26	4343	937	108	1010
Turck, Frederick M., New York, N. Y. Loose-leaf binder.....	776,703	Dec. 6	472	104	113	1531
Turck, Frederick M., assignor to Tracy Manufacturing Company, New York, N. Y. Manifold sales-recording book.....	755,080	Mar. 22	3687	809	109	859
Turcotte, Lillie M. (See Hudson, Benjamin F., assignor.).....						
Tures, William, assignor of one-half to A. B. Child, Granville, Ill. Incandescent vapor-lamp.....	750,784	Jan. 26	4450	959	108	1035
Tures, William, Granville, assignor of one-half to S. B. Dexter, Polo, Ill. Lamp.....	768,642	Aug. 30	5156	1083	111	2259
Turk, Albert E., Chicago, Ill. Manifold sales-book manipulator.....	776,439	Nov. 29	5843	1235	113	1389
Turk, Desiderius, Riesa, Germany, assignor of one-half to F. J. Maly, Ausrig, Austria-Hungary. Making gas.....	764,320	July 5	823		111	182
Turk, James W. B., assignor of one-half to W. A. Welch, Jr., Poteau, Ind. Ter. Pneumatic cotton-picker.....	767,611	Aug. 16	3000	626	111	1743
Turkington, Alexander, Lafayette, Ind. Wheel for vehicles.....	766,297	Aug. 2	322	67	111	912
Turley, Clyde K., Ironton, Ohio. Folding extension for car-steps.....	760,663	May 24	4140	880	110	980
Turnbach, Hurley, Shepppton, Pa. Gland for stuffing-boxes.....	765,111	July 12	2452	511	111	549
Turnbull, George A., Chicago, Ill. Shoe-fastening device.....	752,268	Feb. 16	2794	619	108	1700
Turnbull, George A., Chicago, Ill. Fireproof building construction.....	757,519	Apr. 19	2620	573	109	1931
Turnbull, George H., Oklahoma, Okla. Ter. Composition of matter.....	768,870	Aug. 30	5617		111	2360
Turnbull, Luke W., Port Huron, Mich. Pneumatic tool.....	750,236	Jan. 19	3375	728	108	782
Turnbull, Mark, Goderich, Canada. Wire-stretcher.....	765,523	July 19	3254	682	111	740
Turnbull, Thomas O., Kawhia, near Auckland, New Zealand. Device for carrying children.....	755,554	Mar. 22	4539	1010	109	1039
Turnbull, Werd W., Columbus, Ohio. Candy cutting and shaping machine.....	756,741	Apr. 5	1052	234	109	1568
Turnell, Edward and H., Elm Creek, Nebr. Hay-stacker.....	770,399	Sept. 20	2307	485	112	556
Turnell, Henry. (See Turnell, Edward and H.).....						
Turner, Arthur W., London, England. Printer's inking and damping roller.....	776,000	Nov. 29	5012	1057	113	1198
Turner, Charles, Philadelphia, Pa. Powder holding and delivering device.....	772,443	Oct. 18	2491	545	112	1536
Turner, Charles L., Winthrop, assignor to Davidson Rubber Company, Boston, Mass. Valve.....	753,332	Mar. 1	212	48	109	49
Turner, Charles L., Winthrop, Mass., assignor to Davidson Rubber Company. Atomizer.....	757,157	Apr. 12	1894	413	109	1763
Turner, Charles W. S., Mountville, Va. Electric block-signal system.....	753,812	Feb. 23	3846	862	108	1947
Turner, Charles W. S., Mountville, Va. Electrically-operated block-signaling apparatus.....	753,812	Nov. 8	2063	450	113	474
Turner, Charles W. S., Mountville, Va. Safety attachment for locomotives.....	774,619	Nov. 8	2068	451	113	475
Turner, Charles W. S., Mountville, Va. Railway signaling apparatus.....	774,620	Nov. 8	2070	451	113	475
Turner, Charles W. S., Mountville, Va., assignor of one-half to W. Neff, Washington, D. C. Nut-lock.....	769,093	Aug. 30	5953	1246	111	2438
Turner, Claude A. P., Minneapolis, Minn. Grain-tank.....	762,564	June 14	1885	405	110	1866
Turner, Elbert A., Little Rock, Ark. Drilling-tool.....	771,848	Oct. 11	1237	275	112	1268
Turner, Elijah A., Jr., Calais, Ala. Mechanical appliance for cure of headache.....	763,814	June 28	4353	946	110	2443
Turner, Frank S., <i>et al.</i> (See Forde, Thomas J., assignor.).....						
Turner, George E., Bellefontaine, Ohio. Steam-shovel.....	762,961	June 21	2684	581	110	2060
Turner, George E., Bellefontaine, Ohio. Operating mechanism for hoisting devices.....	771,338	Oct. 4	230	51	112	1010
Turner, George E., Bellefontaine, Ohio. Feed-water purifier.....	771,339	Oct. 4	232	52	112	1010
Turner, George E., Bucyrus, Ohio, assignor to Stirling Company, Chicago, Ill. Water-tube boiler.....	752,630	Feb. 16	3508	781	108	1855
Turner, George E., Marion, Ohio, assignor to Stirling Company, Chicago, Ill. Water-tube boiler.....	752,631	Feb. 16	3510	781	108	1855
Turner, George G., Dover, Del., assignor to Rendell Powder Company, New York, N. Y. Torpedo.....	767,776	Aug. 16	3285	694	111	1806
Turner, Harriet B. (See Turner, Norman F., assignor.).....						
Turner, Harry, Koolunga, South Australia, Australia. Thill or draft-pole coupling.....	759,046	May 3	911	185	110	209
Turner, Harry G., assignor of one-half to F. Freund, Chicago, Ill. Embossing-press attachment.....	763,524	June 28	3781	817	110	2321
Turner, Henry B., Washington Court-House, Ohio. Rotary engine.....	761,341	May 31	5515	1175	110	1293
Turner, Hiram O., and A. Bemore, Independence, Colo. Washboiler attachment.....	765,215	July 19	2699	550	111	608
Turner, Horace G., Montreal, Canada. Pulp washer or condenser.....	772,192	Oct. 11	1979	437	112	1397

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Turner, Howard A., Minneapolis, Minn. Air-agitator for refrigerator-cars	737,581	Apr. 19	2761	603	109	1964
Turner, Isaac J., assignor to L. T. Chamberlain, New York, N. Y. Drawer-pull	766,124	July 26	4445	932	111	1006
Turner, James J., Pittsburg, Pa. Air-brake	776,765	Dec. 6	600	130 131	113	1558
Turner, John, assignor to Zephyr Textile Company, Incorporated, Pawtucket, R. I. Quilling-machine	776,274	Nov. 29	5527	1170	113	1315
Turner, John J., <i>et al.</i> (See Mead and Mackie, assignors.)						
Turner, John J. (See Mead, Mackie, and Van Buren, assignors.)						
Turner, John J., and J. A. Dowler, Laharpe, Kans. Molding-machine	752,484	Feb. 16	3201	714	108	1787
Turner, Lillian S., administratrix. (See Turner, Robert B.)						
Turner, Lucius A. (See Stout, George H., assignor.)						
Turner, Norman F., assignor of one-half to H. B. Turner, Washington, D. C. Wrench	774,214	Nov. 8	1325	281	113	316
Turner, Robert B., deceased; L. S. Turner, Virginia City, Mont., administratrix. Filter- ing apparatus	768,094	Aug. 23	4097	847 848	111	1989
Turner, Robert L., Toledo, Ohio. Angle-indicator	749,976	Jan. 19	2683	617	108	677
Turner, Samuel B., Chicago, Ill. Mechanical music-chart	766,979	Aug. 9	1753	368	111	1451
Turner & Seymour Mfg. Co. (See Atkins, George H., assignor.)						
Turner, Thomas F. (See Pfouts, Leroy S., assignor.)						
Turner, Walter V., Topeka, Kans., assignor to Westinghouse Air Brake Company, Pitts- burg, Pa. Triple valve for air-brake systems	773,043	Oct. 25	3693	794	112	1514
Turner, Walter V., Wilkesburg, and E. A. Wright, Edgewood Park, assignors to West- inghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake	760,232	May 17	3389	715	110	797
Turner, Walter V., Wilkesburg, and R. H. Blackall, Edgewood Park, assignors to West- inghouse Air Brake Company, Pittsburg, Pa. Load-brake apparatus	762,962	June 21	2685	524	110	2060
Turner, William. (See Craig, Kelly, and Turner.)						
Turner, William D., Providence, R. I. Micrometer-caliper attachment	754,106	Mar. 8	1774	394	109	408
Turner, William N., Ipswich, England. Apparatus for separating metals from their crushed ores or materials containing same	759,775	May 10	2399	501	110	559
Turner, Wilson P. H. (See Hopkins, William W., assignor.)						
Turney, Edward. (See Borchers, Henry W., assignor.)						
Turney, Edward, assignor of one-fourth to H. L. Turney, Portland, Oreg. Mechanism for operating friction-clutches	760,089	May 17	3014	629 630	110	714
Turney, Eugene T., San Rafael, assignor to Kohler & Chase, San Francisco, Cal. Drum. strainer for drums	775,711	Nov. 22	4432	936	113	1053
Turney, Eugene T., San Rafael, assignor to Kohler & Chase, San Francisco, Cal. Snares- trainer for drums	775,712	Nov. 22	4433	937	113	1053
Turney, Harry L. (See Turney, Edward, assignor.)						
Turney, John E., <i>et al.</i> (See Geiger, Charles E., assignor.)						
Turney, John E., assignor of one-half to Geiger, Koop & Fiske, Louisville, Ky. Drier	774,859	Nov. 15	2604	558	113	616
Turney, John E., assignor of one-half to Geiger, Koop & Fiske, Louisville, Ky. Drier	774,860	Nov. 15	2606	558	113	616
Turnipseed, Arthur L., Memphis, Tenn. Oil-cellar	759,943	May 17	2725	572	110	646
Turrill, William G., Boston, Mass. Toy	757,158	Apr. 12	1395	414	109	1763
Turtaro, Nicola, New York, N. Y. Musical instrument	737,023	Aug. 9	1284	823	111	1466
Turner, Charles H., Jr., Holmesburg, Pa. Traveling crane	765,405	July 19	3007	629	111	687
Tussing, Samuel C., Leipsic, Ohio. Automatic switch	756,081	Mar. 29	5581	1232	109	1287
Tust, Paul. (See Schmidt and Tust.)						
Tustison, Frank A., Parsons, Kans. Marking-gage	766,919	Aug. 9	1693	944	111	1423
Tuteur, Julius, Cleveland, Ohio. Timber seat and support	761,030	May 24	4884	1033	110	1138
Tuttle, Arthur, Chanute, Kans. Automatic releasing device for noosed cables	761,796	June 7	372	75	110	1522
Tuttle, Arthur C., <i>et al.</i> , executors. (See Tuttle, Edward A.)						
Tuttle, Arthur S., Brooklyn, N. Y., assignor to National Meter Company. Fluid-meter	749,645	Jan. 12	2228	470	108	51
Tuttle, Daniel M., W. H. Lindley, and W. H. Tuttle, Canastota, N. Y. Electrical igniting mechanism for explosive-engines	755,817	Mar. 29	5080	1128	109	1174
Tuttle, Edson H., Conneaut, Ohio. Rail-joint	760,357	May 17	3518	740 741	110	825
Tuttle, Edward A., deceased, New York, N. Y.; A. C. and H. B. Tuttle, executors. Hot- air heating-furnace	757,520	Apr. 19	2623	574	109	1982
Tuttle, Edward A., deceased, New York, N. Y.; A. C. and H. B. Tuttle, executors. Hot- air furnace	757,521	Apr. 19	2626	575	109	1983
Tuttle, Herbert B., <i>et al.</i> , executors. (See Tuttle, Edward A.)						
Tuttle, Hosmer, Cedar Rapids, Iowa, assignor to S. C. Walters, Chicago, Ill. Trousers- stretcher	753,182	Feb. 23	4573	1019	108	2110
Tuttle, Josiah S., Kansas City, assignor to Whitman Agricultural Company, St. Louis, Mo. Baling-press	750,324	Jan. 26	3549	767	108	841
Tuttle, Josiah S., assignor to Panama Hay Press Company, Kansas City, Mo. Baling- press	776,704	Dec. 6	474	105	113	1532
Tuttle, Salmon, and A. G. T. Horn, Chicago, Ill. Broom	765,944	July 26	4085	872	111	930
Tuttle, Thomas F. (See Jennings and Tuttle.)						
Tuttle, William H. (See Tuttle, Lindley, and Tuttle.)						
Tuxill, Frank H., Auburn, N. Y. Rotary dump-wagon	769,782	Sept. 13	1221	263	112	294
Tweed, John C., assignor of one-half to S. A. Farrell, Dekalb, Ill. Wire-working ma- chinery	758,721	May 3	275	55	110	71
Tweedie, Charles, <i>et al.</i> (See Weggin, Edward P., assignor.)						
Twentieth Century Amusement Company. (See Porter, Edwin F., assignor.)						
Twentieth Century Co. (See Ackerman, Joel E., assignor.)						
Twentieth Century Shoe Lace Hook Co. (See Bergeron, Jay P., assignor.)						
Twigg, Henry A., Denver, Colo. Collar-shaper	752,269	Feb. 16	2795	519 520	108	1700
Twining, William A., assignor to W. E. Donnelly, Cleveland, Ohio. Fruit-jar wrench	755,081	Mar. 22	3690	810	109	859
Twining, William A., Cleveland, Ohio, assignor to Elliott-Fisher Company, New York, N. Y. Type-writing machine	770,990	Sept. 27	3549	748	112	851
Twining, William A., assignor of one-half to E. A. Albright and C. O. Bartlett, Cleve- land, Ohio. Gear-cutting machine	757,696	Apr. 19	2985	649	109	2013
Twinnock Company. (See Maltby, Charles C., assignor.)						
Twist, Thomas E., Milton, Pa. Adjustable nozzle	768,095	Aug. 23	4029	848	111	1989
Twitchell, Charles R., Dayton Heights, assignor to Brown-Winstanley Manufacturing Company, Los Angeles, Cal. Motor-vehicle	756,992	Apr. 12	1553	341	109	1688
Twitchell, Donna I. (See Daquard and Twitchell.)						
Twitchell, James E., Detroit, Mich. Plate or saucer holder	775,874	Nov. 22	4728	901	113	1115
Twitchell, James E., assignor to C. Patterson, Detroit, Mich. Display-easel	760,403	May 17	3604	759	110	845
Twitty, Chapman R., Camilla, Ga. Stump-extractor	764,321	July 5	825	168 169 188	111	1282
Tyberg, Oluf, Brooklyn, N. Y. Mechanical movement for printing devices	749,000	Jan. 5	875	188	108	202
Tyberg, Oluf, Brooklyn, N. Y. Type-writing machine	749,001	Jan. 5	879	189	108	203

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Tyberg, Oluf, Brooklyn, N. Y. Type-writing machine	749,002	Jan. 5	895	189 190	108	209
Tyberg, Oluf, and S. I. Prescott, assignors to R. L. Patterson and G. Arents, Jr., New York, N. Y. Pasting mechanism	751,224	Feb. 2	833	191	108	1235
Tyden, Emil. (See Burton, Charles S., assignor.)						
Tyden, Emil, Hastings, Mich. Pedestal-table lock	754,399	Mar. 8	2367	516	109	534
Tyden, Emil, Hastings, Mich. Pedestal-table lock	755,644	July 19	3475	734	111	787
Tyden, Emil, Hastings, Mich. Pedestal-table lock	773,691	Nov. 1	303	67	113	72
Tyden, Emil, Hastings, Mich. Self-locking seal	777,868	Dec. 20	2790	613	113	2066
Tyden, Emil, Hastings, Mich. Self-locking seal	777,869	Dec. 20	2793	613	113	2067
Tyler, Edmund D., Glasgow, Scotland. Heel	752,632	Feb. 16	3513	781	108	1856
Tyler Hinged Last Company. (See Beach, Edward S., assignor.)						
Tyler, Hiram, assignor to Ohmer Fare Register Co., Dayton, Ohio. Fare-register	758,488	Apr. 26	4536	974 975 976 977	109	2373
Tyler, John S. (See Muckenheim, Charles H., assignor.)						
Tyler, Samuel C. (See Knapp, Jeremiah R., assignor.)						
Tyler, Walter L. (See See, Alonzo B., assignor.)						
Tyler, Wellington B., Driftwood township, Woods county, Okla. Ter. Pump	760,498	May 24	3800	805	110	906
Tyler, William B., Camden, N. J. Combination garment-suspender	760,325	Jan. 26	3550	767	108	842
Tyler, William B., Camden, N. J. Cleaning, oiling, or polishing compound	758,944	May 3	737		110	171
Tyler, William B., Camden, N. J. Treng pictures	758,945	May 3	737		110	171
Tympalyo Company. (See Berry, Frank A., assignor.)						
Tynan, Joseph E., Paterson, N. J. Belt-driven twisting-machine	755,261	Mar. 22	4007	889	109	924
Tynan, Joseph E., Paterson, N. J. Belt-driven twisting-machine	773,354	Oct. 25	4475	947	112	1932
Tynan, Joseph J., and H. C. Mosteller, assignors to J. Keller, Philadelphia, Pa. Pneumatic calking-tool	754,175	Mar. 8	1887	421	109	438
Tynan, Joseph J., and W. Rhodes, Philadelphia, Pa.; said Rhodes assignor to said Tynan. Pipe-bending machine	760,283	May 17	3392	715	110	798
Typewriter Improvement Company. (See Doederlein, Ludwig, assignor.)						
Typewriting Telegraph Corporation. (See Steljes, Walter S., assignor.)						
Tynell, Charles A. (See Guild, Henry M., assignor.)						
Tyrell, Herbert H., assignor of one-half to M. J. Kelley, Swain, N. Y. Household-tool.	757,981	Apr. 19	3523	764	109	2131
Tyson, James R., Reading, Pa. Means for removably mounting gage-cocks	765,524	July 19	3255	682	111	740
Tyson, James R., Reading, Pa. Gage-cock valve	765,525	July 19	3257	682	111	740
Tyssovskia, Zell N., Chicago, Ill. Tool for pyrographic work	754,944	Mar. 15	3452	756	109	789
U. S. Standard Voting Machine Co. (See Gillespie, Alfred J., assignor.)						
U. S. Standard Voting Machine Co. (See Sjoberg, Albert, assignor.)						
Ubellar, James L., Kankakee, Ill. Suspender attachment	757,073	Apr. 12	1712	371	109	1722
Uckotter, Herman H., Cincinnati, Ohio. Shaft for vehicles. (Reissue)	12,271	Oct. 4	1146	256	112	1203
Udell, Theodore H. (See Lockett, Kenny, Stimebach, and Udell.)						
Udel, Charlotte, Chicago, Ill. Chest-protector	763,815	June 28	4353	946	110	2448
Uebel, Friedrich B., assignor to Gebrüder Uebel, Plauen, Germany. Compound fabric	761,051	May 24	4947	1048	110	1151
Uebel, Gebrüder. (See Uebel, Friedrich B., assignor.)						
Uehling, Edward A., Passaic, N. J. Ore-agglutinating apparatus	752,726	Feb. 23	3659	823	108	1919
Uehling, Edward A., Passaic, N. J. Link chain	752,727	Feb. 23	3664	824	108	1914
Uehling, Edward A., Passaic, N. J. Annealing apparatus	760,825	May 24	4484	954	110	1053
Ueltschi, Robert, Frankfort, Ky. Draft mechanism for vehicles	768,096	Aug. 23	4030	848	111	1990
Uetz, Andrew, Eau Claire, Wis. Joiner-knife guard	764,168	July 5	518	102	111	115
Uhl, John H., Unionville, Mich. Machine for blocking sugar-beets	753,451	Mar. 1	431	101	109	94
Uhl, Joseph F. L., Toledo, Ohio. Cushioned foot for metal furniture	753,762	Mar. 1	1046	289	109	325
Uhlenhart, William L., Portland, Ore. Floating-buoy for fishing purposes	756,438	Apr. 5	503	104	109	1449
Uhlenhuth, Rudolf. (See Hepp and Uhlenhuth.)						
Uhlenkott, Herman J., Kenterville, Idaho. Baling-press	766,557	Aug. 2	851	178	111	1227
Uhlich, August. (See Ballance and Uhlich.)						
Uhlich, George. (See Ballance and Uhlich.)						
Uhlig, Carl. (See Holmes, Howard C., assignor.)						
Uhlig, Richard W., Rutherford, assignor to H. C. Adams, Hackensack, N. J. Type-writing machine	757,982	Apr. 19	3524	764 765	109	2131
Uhri, August, and A. G. Houck, Florence, Colo. Oil-cup	773,829	Nov. 1	554	120	113	128
Uhri, Frank, Melrose, Idaho. Lock	778,469	Dec. 27	4000	870	113	2338
Uhrig, Benjamin F. (See Uhlig, Frederick F. and B. F.)						
Uhrig, Frederick F. and B. F., St. Johns, Oreg. Rotary engine	753,763	Mar. 1	1048	239 240	109	225
Uhrig, Rouett, Alteneisen, Germany. Springing and dancing puppet	773,692	Nov. 1	306	67	113	73
Uhtbrock, Frederick, New York, N. Y. Railway-switch	753,937	Mar. 8	1451	325	109	334
Ulery, Frank S., Hoopston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Corn-silker	777,930	Dec. 20	2950	643 644	113	2094
Ullmann, Albert, Macon, Ga. Gas-check	775,156	Nov. 15	3201	683 684	113	754
Ullner, Edward H., Woodchif, N. J. Sliding and swinging sash-window	772,686	Oct. 18	2968	651 652	112	1637
Ullom, Isaac B., Claysville, Pa. Muffler	763,221	June 21	3185	685	110	2172
Ulmann, Philipp, Zurich, Switzerland. Hydrocarbon-burner	768,352	Aug. 23	4517	905	111	2035
Ulmén, Philip C., Muskegon, Mich. Ventilator	773,440	Oct. 25	4650	963 984	112	2092
Ulrich, George, et al. (See Sharp, Harry E., assignor.)						
Ulrich, Jean, New York, N. Y. Dress-chart	765,691	July 26	3591	763	111	826
Ulrich, John, Columbus, Ohio. Flue or tube cutter	752,728	Feb. 23	3096	824	108	1914
Ulrich, Tomey D. (See Huber and Ulrich.)						
Ulrich, Tomey D., Marion, Ohio. Tank-cart	760,588	May 24	3991	844	110	944
Ulrich, Wilhelm, assignor to F. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cartridge	777,319	Dec. 13	1676	371	113	1814
Ulsamer, Frank. (See Weis, August, assignor.)						
Ulsen, William, Los Angeles, Cal. Scraping-plane	755,587	Mar. 22	4600	1022	109	1053
Umbach, Charles. (See Derries and Umbach.)						
Umbarger, B. L. (See Litaker, Thomas F., assignor.)						
Umbreit, Fredrich W., Clario, Iowa. Railway-crossing	750,913	Feb. 2	252	57	108	1113
Umstadter, Jacob M. (See Wade, James A., assignor.)						
Umsted, Clifton T., Fort Scott, Kans. Tire-tightener	757,697	Apr. 19	2988	649	109	2014
Unbehaun, William H. (See Crocker, David, assignor.)						
Uncapher, Francis B., Saltsburg, Pa. Gage	762,010	June 7	776	158	110	1607
Uncapher, Clarence E., and A. Andrus, Chicago, Ill. Fire-curtain	764,083	July 5	349	67	111	77
Underdown, Americus R., Haddonfield, N. J. Waterproof coat	776,440	Nov. 29	5846	1235	113	1389

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Underhill, Arthur B., et al. (See Caldwell, Henry C., assignor.)						
Underhill, Charles R., Providence, R. I. Receiving telegraph instrument.....	760,474	Aug. 2	664	{ 142 143 144 }	111	1184
Underhill, William M., Oconto, Wis. Animal-stall	777,051	Dec. 6	1184	258	113	1690
Underkuffler, Franklin M. (See Reis, Morris M., assignor.)						
Underwood, Charles M., London, Canada. Automatic train-stopping system.....	778,343	Dec. 27	3734	815	113	2281
Underwood, Flavius J., Springfield, Mo. Coal-chute	767,853	Aug. 16	3453	730	111	1841
Underwood, Herbert G., Stamford, Conn., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Casting apparatus.....	777,571	Dec. 13	2181	479	113	1923
Underwood, Judson B. (See Russell, Edgar A., assignor.)						
Underwood, Oliver P., Central City, Neb. Engine	772,299	Oct. 11	2192	479	112	1448
Underwood, Robert L., Fostoria, Ohio. Ventilating building-block	756,300	Apr. 5	216	44, 45	109	1391
Underwood Typewriter Company. (See Allard, J. Frank, assignor.)						
Underwood Typewriter Company. (See Burridge, Lee S., assignor.)						
Underwood Typewriter Company. (See Dyett, James H., assignor.)						
Underwood Typewriter Company. (See Ford, David L., assignor.)						
Underwood Typewriter Company. (See Helmond, William F., assignor.)						
Underwood Typewriter Company. (See Howell, Charles W., Jr., assignor.)						
Underwood Typewriter Company. (See Joerissen, Carl A., assignor.)						
Underwood Typewriter Company. (See Kavie, Oscar C., assignor.)						
Underwood Typewriter Company. (See Kunath, Edward F., assignor.)						
Underwood Typewriter Company. (See McLaughlin, John C., assignor.)						
Underwood Typewriter Company. (See Myers, Louis, assignor.)						
Underwood Typewriter Company. (See Rice, Charles D., assignor.)						
Underwood Typewriter Company. (See Rice, Kavie, and McAll, assignors.)						
Underwood Typewriter Company. (See Wagner, Franz X., assignor.)						
Underwood & Underwood. (See Richmond, Henry E., assignor.)						
Unger, John A. (See Faust and Unger.)						
Uni Signal Company. (See Hopewell, Charles F., assignor.)						
Uni Signal Company. (See Morse, Charles H., assignor.)						
Union Bag & Paper Company. (See Dulin, Charles E., assignor.)						
Union Bag and Paper Company. (See Kasson, Mahlon O., assignor.)						
Union Button Sewing Machine Company. (See Lyons, Robert L., assignor.)						
Union Carbide Company. (See Horry, William S., assignor.)						
Union Carbide Company. (See Horry and Price, assignors.)						
Union Carbide Company. (See Price, Edgar F., assignor.)						
Union City Body Company. (See Aulepsperger, Charles C., assignor.)						
Union Fabric Company. (See Osborne and Kelly, assignors.)						
Union, Frank L. (See Haines, Charles, assignor.)						
Union Horse Nail Company. (See Abbott, Benjamin J., assignor.)						
Union Manufacturing Company. (See Carleton and Trask, assignors.)						
Union Manufacturing Company. (See Hines, William J., assignor.)						
Union Manufacturing Company. (See Morrow, Henry W., assignor.)						
Union Paper Bag Machine Company. (See Appel, Daniel, assignor.)						
Union Scale and Manufacturing Company. (See Hoepner, George, assignor.)						
Union Special Sewing Machine Company. (See Burke, Edward, assignor.)						
Union Special Sewing Machine Company. (See Onderdonk, Lansing, assignor.)						
Union Special Sewing Machine Company. (See Woodward, Russel G., assignor.)						
Union Specialty Co. (See Linendoll and Houghten, assignors.)						
Union Staple Seam Re-Enforcing Company. (See Thomas, Albert D., assignor.)						
Union Switch & Signal Co. (See Thullen, Louis H., assignor.) (Reissue.)						
Union Switch and Signal Company. (See Coleman, John P., assignor.)						
Union Switch and Signal Company. (See Hanlon, Marquis D., assignor.)						
Union Switch & Signal Company. (See Pateuall, Thomas H., assignor.)						
Union Switch and Signal Company. (See Thullen, Louis H., assignor.)						
Union Typewriter Company. (See Brooks, Byron A., assignor.)						
Union Typewriter Company. (See Farnum, William C., assignor.)						
Union Typewriter Company. (See Felbel, Jacob, assignor.)						
Union Typewriter Company. (See Fitch, Eugene, assignor.)						
Union Typewriter Company. (See Smith, Charles E., assignor.)						
Union Typewriter Company. (See Stickney, Burnham C., assignor.)						
Union Water Meter Company. (See Kelly, John P., assignor.)						
Union Water Meter Company. (See Larrabee, William H., assignor.)						
Union Wire Mattress Company. (See Klipfel, Thomas, assignor.)						
Unique Umbrella Company of Baltimore City. (See Climenson, William W., assignor.)						
United Brass Manufacturing Co. (See Stone, Charles A., assignor.)						
United Brass Mfg. Co. (See Schroeder, Henry F., assignor.)						
United Electric Heating Co. (See Kuhn, Robert, assignor.)						
United Fast Color Eyelet Company. (See Kempshall, Eleazer, assignor.)						
United Gas Improvement Company. (See Earnshaw and Gartley, assignors.)						
United Gas Improvement Company. (See Glasgow, Arthur G., assignor.)						
United Hame Company. (See Letchworth, Ogden F., assignor.)						
United Lead Company. (See Bailey, John W., F. T., and M., assignors.)						
United Shirt & Collar Company. (See De Nike, Joseph H., assignor.)						
United Shirt & Collar Company. (See Dormandy, Garry J., assignor.)						
United Shoe Machinery Company. (See Allen, Charles L., assignor.)						
United Shoe Machinery Company. (See Casgrain, Louis A., assignor.)						
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United Shoe Machinery Company. (See Goldin, George, assignor.)						
United Shoe Machinery Company. (See Hartford, David F., assignor.)						
United Shoe Machinery Company. (See Hurd, Edward P., assignor.)						
United Shoe Machinery Company. (See Leland, Sanford D., assignor.)						
United Shoe Machinery Company. (See Lund, Thomas, assignor.)						
United Shoe Machinery Company. (See Mayo, Benjamin F., assignor.)						
United Shoe Machinery Company. (See Meyer, William C., assignor.)						
United Shoe Machinery Company. (See Scott, Jacob R., assignor.)						
United Shoe Machinery Company. (See Small, Chester C., assignor.)						
United Shoe Machinery Company. (See Tripp, Eliphalet A., assignor.)						
United Shoe Machinery Company. (See Whiting, Comfort L., assignor.)						
United Shoe Machinery Company. (See Winn, Arthur L., assignor.)						
United States Alloy Company. (See Meadows, Charles A., assignor.)						
United States Bunt Manufacturing Company. (See Pentlauge and Vehr, assignors.)						
United States Electric Signal Company. (See Booth, Charles E., assignor.)						
United States Electric Signal Company. (See Ruddick, John J., assignor.)						
United States Fastener Company. (See Humphrey, Ernest N., assignor.)						

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United States Fastener Company. (See Smith, Joseph R., assignor.)						
United States Framer Company. (See Sturckler, John D., assignor.)						
United States Fiber Stopper Company. (See Rivers, Julian H., assignor.)						
United States Fire and Police Telegraph Company. (See Cole, Frederick W., assignor.)						
United States Glass Company. (See Bryce, Edwin W., assignor.)						
United States Glass Company. (See Ripley, Daniel A., assignor.)						
United States Graphotype Company. (See Ackerman, William, assignor.)						
United States Light & Heating Company. (See Moskowitz, Morris, assignor.)						
United States Linen Company. (See Eastwood, David S., assignor.)						
United States Mining & Trading Co. (See Girtanner, Frederick and A., assignors.)						
United States Mining and Trading Co. (See Girtanner and Simpson, assignors.)						
United States Mining & Trading Company. (See Girtanner, Frederick, assignor.)						
United States Music Machine Company. (See Skiff and Grant, assignors.)						
United States Ordnance Company. (See Merriam, Henry P., assignor.)						
United States Ordnance Company. (See Tasker, Vernon C., assignor.)						
United States Ordnance Company. (See Wilson and Chase, assignors.)						
United States Peak Fuel Company. (See Morrison, John C., assignor.)						
United States Sales Book Company. (See Morton, Wilson, assignor.)						
United States Sanitary Manufacturing Company. (See Jobe, John S., assignor.)						
United States School of Languages. (See Huse, Harry P., assignor.)						
United States Steel Lock Company. (See Meyers, Albert, assignor.)						
United States Vending Corporation. (See Horheimer, Maurice, assignor.)						
United States Watch Company. (See Matheson, William M., assignor.)						
United States Wind Engine & Pump Company. (See Guy, George G., assignor.)						
United States Wire Mat Company. (See Wells, Frank P., assignor.)						
United Supply & Manufacturing Company. (See Thompson, Frank, assignor.)						
United Zinc and Chemical Company. (See Hofmann, Ottokar, assignor.)						
Unitype Company. (See Johnson, Frank A., assignor.)						
Unitype Company. (See Watson, James A., assignor.)						
Universal Accountant Machine Company. (See Rinsche, Frank C., assignor.)						
Universal Automatic Carving Machine Company. (See Ruehs and Streich, assignors.)						
Universal Automatic Carving Machine Company. (See Streich, Frank, assignor.)						
Universal Brush Company. (See Morris, Joe, assignor.)						
Universal Compound Company. (See Zaissner, William, assignor.)						
Universal Cutter Co. (See Baumann, Frederick, Jr., assignor.)						
Universal Nut Lock Company. (See Ghiglietti, William, assignor.)						
Universal Pneumatic Transmission Co. (See Jackman, Daniel H., assignor.)						
Universal Safety Tread Company. (See Works, Frank H., assignor.)						
Universal Talking Machine Manufacturing Company. (See Cheney, George K., assignor.)						
Universal Tobacco Hoisting Company. (See Pope, Charles E., assignor.)						
Universal Winding Company. (See Wardwell, Simon W., assignor.)						
Unsicker, Christian, Deercreek, Ill. Combined reel and post-puller	776,627	Dec. 6	323	70	118	1500
Updegraff, Daniel F., Youngwood, assignor of one-half to W. M. R. Myers, Greensburg, Pa. Miter-box	756,998 759,647	Apr. 12 May 10	1554 2161	341 445	109 110	1688 506
Upham, Charles S., Odell, Ill. Grain-elevator	751,762	Feb. 9	1810	412 413	108	1459
Upham, Richard D., New York, N. Y. Sheathing for vessels	749,909	Jan. 19	2753	590	108	650
Upp, John W., and W. O. Wakefield, Shenectady, N. Y., assignors to General Electric Company. Blue-printing frame	776,567	Dec. 6	203	45, 46	113	1473
Upton, Theron A., Brooklyn, N. Y. Blind-fastener	777,160	Dec. 13	1379	304	113	1749
Uptegrove, Jerome P., et al. (See Allen, Chester B., assignor.)						
Uptegrove, William E., et al. (See Allen, Chester B., assignor.)						
Upton, Decatur, near Upton, Ky. Barnyard manure-pulverizer	777,228	Dec. 13	1506	334	113	1775
Upton, George W., Warren, Ohio. Fishing-rod	764,398	July 5	1006	204	111	223
Urban, Frank, Belvidere, N. J. Sanding and polishing machine	759,776	May 10	2399	501	110	560
Urban, Franz, Steglitz, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Photographic objective	777,320	Dec. 13	1677	372	113	1815
Urbanek, John P., Seattle, Wash. Feed-water heater	732,270	Feb. 16	2797	630	108	1701
Urbanitzky, Rudolf, Linz, Austria-Hungary. Chair for railway-rails and rail-joints	750,736	Jan. 26	4345	938 939	108	1011
Urchs, William J. (See Morand, Louis D., assignor.)						
Uren, Andrew, Seattle, Wash. Axle-nut	762,506	June 14	1744	374	110	1836
Uren, Andrew, Seattle, Wash. Saddle-block	772,072	Oct. 11	1732	386	112	1345
Urich, Wesley D. (See Miller and Ulrich.)						
Urich Company. (See Manns, John A., assignor.)						
Uruhart, Edith M. (See Uruhart, Robert L. and E. M.)						
Uruhart, Robert L. and E. M., Dunbar, Scotland. Adjustable head for golf-clubs	776,368	Nov. 29	5696	1205	113	1355
Ursbruck, John H. and J. B., assignors of one-half to J. A. and M. A. Hunter, Philadelphia, Pa. Thread-holding mechanism for sewing-machines	758,121	Apr. 26	3821	829	109	2215
Ursbruck, John H. and J. B., assignors of one-half to J. A. and M. A. Hunter, Philadelphia, Pa. Feed mechanism for sewing-machines	770,447	Sept. 20	2487	538	112	905
Ursbruck, Joseph B. (See Ursbruck, John H. and J. B.)						
Urschold, William J., Buffalo, N. Y. Expansion-bit	769,200	Sept. 6	115	29	112	96
Usher, Thomas S., Brantford, Canada. Table	759,777	May 10	2402	502	110	560
Ussery, Evander M., Little's Mills, N. C. Non-refillable bottle	767,455	Aug. 16	2683	563	111	1670
Utica Drop Forge & Tool Company. (See Kellemen, Henry F., assignor.)						
Utility Cotton Picker Company. (See Price, Theodore H., assignor.)						
Utility Manufacturing Company. (See Nostrand and Corbett, assignors.)						
Utrilla, Jose F., Jersey City, N. J. Condenser for vacuum-pans	769,574	Sept. 6	849	180	112	191
Utrilla, Joseph, New York, N. Y. Valve	732,608	Feb. 16	3455	772	108	1844
Utsler, Adam E., Dalton, Ohio. Drill	771,849	Oct. 11	1239	275	112	1238
Utterback, James, Honeyoe Falls, N. Y. Fruit-picker	777,572	Dec. 13	2153	479	113	1923
Uytendogaart, Johannes W. H., Utrecht, Netherlands. Variable-speed driving mechanism for sewing-machines	759,409	May 10	1707	346	110	406
Vacuum Dyeing Machine Company. (See Willard, James A., assignor.)						
Vacuum Tin Syndicate. (See Cates, William E. W., assignor.)						
Vaden, John H. (See McVey, George E., assignor.)						
Vahjen, Johann C., New York, assignor to J. H. Vahjen, Brooklyn, N. Y. Cash-register	756,082	Mar. 29	5584	1233 1234	109	1288
Vahjen, Johann C., New York, assignor to J. H. Vahjen, Brooklyn, N. Y. Cash-register	756,083	Mar. 29	5593	1235 1236	109	1289
Vahjen, John H. (See Vahjen, Johann C., assignor.)						
Vaile, Percy A., Auckland, New Zealand. Toy golf-player	750,134	Jan. 19	3185	685	108	740

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Vaile, Percy A., Auckland, New Zealand. Boot or shoe for athletic purposes.	757,988	Apr. 19	3535	765	109	2133
Valdivielso y Martinez de Valdivielso, José N. M. de, Matanzas, Cuba. Apparatus for removing the honey or section boxes from hive section-cases or supers.	775,691	Nov. 22	4391	926	113	1044
Vale, Eli C., East Carmel, Ohio. Separable link.	754,521	Mar. 15	2639	573	109	613
Valentine, David, Orange, and T. W. Bentley, Newton, N. J. Woven fabric.	776,275	Nov. 29	5539	1171	113	1315
Valentine, Edward. (See Valentine, Joseph M. and E.)						
Valentine, Ferdinand C., New York, N. Y. Desk.	764,832	July 12	1925	394 395	111	437
Valentine, Harry J., assignor to Columbian Hardware Company, Cleveland, Ohio. Face-plate for registers.	748,668	Jan. 5	218	52	108	47
Valentine, Harry J., assignor to Columbian Hardware Company, Cleveland, Ohio. Face-plate for registers.	748,669	Jan. 5	220	52	108	48
Valentine, Harry J., assignor to Columbian Hardware Company, Cleveland, Ohio. Floor-hinge.	761,731	June 7	214	41	110	1486
Valentine, Harry J., Hempstead, N. Y., assignor to Columbian Hardware Company, Cleveland, Ohio. Top plate for registers.	749,116	Jan. 5	1140	242	108	263
Valentine, Joseph M. and E., assignors of one-half to N. E. Landauer, Lincoln, Ill. Horse-power for baling-presses.	756,084	Mar. 29	5598	1236	109	1290
Valentine, Robert S., Richmond, assignor of one-half to H. M. Hope, Petersburg, Va. Beer-cooler tank.	765,112	July 12	2452	511	111	549
Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Mfg. Co., Chicago, Ill. Continuous pasteurizer.	755,191	Mar. 22	3880	856 857	109	898
Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Rotary heater or cooler.	755,192	Mar. 22	3887	857	109	900
Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Rotary heater or cooler.	755,193	Mar. 22	3889	857 858	109	901
Valiquet, Louis P., New York, N. Y., assignor to Victor Talking Machine Company. Friction-brake.	757,159	Apr. 12	1896	414	109	1763
Valiquet, Louis P., New York, N. Y., assignor to Victor Talking Machine Company. Talking-machine.	759,142	May 3	1069	221	110	247
Valiquet, Louis P., New York, N. Y., assignor to Victor Talking Machine Company. Talking-machine.	759,143	May 3	1090	221	110	248
Valk, James, Larned, Kans. Vegetable-cutter.	775,639	Nov. 22	4299	905	113	1023
Vallandigham, William A., Abia, Iowa. Flour-sifter.	760,589	May 24	3372	844	110	945
Vallen, Rose L., Seattle, Wash. Lamp-chimney.	756,994	Apr. 12	1558	342	109	1689
Vallendar, Otto, Charlottenburg, Germany, assignor to M. G. Cohn, New York, N. Y. Side-comb.	756,545	Apr. 5	690	148	109	1488
Valliant, Edwin D., St. Joseph, Mo. Curtain-displaying device.	772,978	Oct. 25	3555	769	112	1785
Van Aller, Tycho, Schenectady, N. Y., assignor to General Electric Company. Electrically-heated tool.	767,777	Apr. 16	3387	695	111	1806
Van Alstyne, George W. (See Wagniere and Van Alstyne.)						
Van Amberg, William S., Grand Rapids, Mich. Grooving-saw.	771,401	Oct. 4	377	83	112	1037
Van Anken, Melvin G., and J. J. Miller, Battlecreek, Mich. Window-screen.	756,085	Mar. 29	5602	1237	109	1291
Van Benthuysen, Robert, Newark, N. J. Combined hydrometer and syringe.	756,546	Apr. 5	691	149	109	1489
Van Beresteyn, Hugo, Brussels, Belgium. Rotary motor.	750,914	Feb. 2	253	57, 58	108	1113
Van Beresteyn, Hugo, Brussels, Belgium. Rotary motor.	763,525	June 28	3794	817	110	2322
Van Blarcom, Howell, and H. B. Hitz, Milwaukee, Wis. Door-check.	769,201	Sept. 6	118	29	112	27
Van Brunt, William T., et al. (See Vance and Lanahan, assignors.)						
Van Brunt, Willard A., Horicon, Wis. Pressure-regulating mechanism for drills.	753,452	Mar. 1	433	102	109	94
Van Brunt, Willard A., Horicon, Wis. Disk drill.	769,302	Sept. 6	120	30	112	27
Van Brunt, Willard A., Horicon, Wis. Drill-tube.	774,799	Nov. 15	2468	532	113	586
Van Buren, Fred D., Scranton, Pa. Rug-pin.	775,287	Dec. 27	3621	791	113	2357
Van Buren, Jafew S., Albany, N. Y., assignor to Rathbone, Sard & Co. Stove attachment.	754,259	Mar. 8	2052	456	109	467
Van Buren, Martin. (See Mead, Mackie, and Van Buren.)						
Van Camp, Abram E., Highmore, S. D. Arm-rest for books, &c.	766,402	Aug. 2	520	110	111	1154
Van Choate, Silvanus F., assignor to B. Croci, Boston, Mass. Apparatus for the distribution and purification of water or sewage.	764,785	July 12	1812	372	111	413
Van Cise, Frederick J. and W. C. Mayville, N. Y. Mattress-frame.	753,442	June 23	3650	786	110	2395
Van Cise, Frederick J. and W. C. Mayville, N. Y. Mattress-frame.	763,443	June 23	3652	786	110	2395
Van Cise, William C. (See Van Cise, Frederick J. and W. C.)						
Van Cleave, Franklin B., Echo, Oreg. Dumping-elevator.	751,225	Feb. 2	836	191	108	1265
Van Cole, Omer, Cripplecreek, Colo. Tobacco-pouch.	775,259	Nov. 15	2456	730	113	820
Van den Hessel, Albert, Nieuw-Lekkerland, Netherlands, assignor to L. Smit & Zoon. Apparatus for loading section-dredges, &c.	764,784	July 12	1813	373	111	413
Van der Grinten, Alphons, Chicago, Ill. Map.	751,226	Feb. 2	838	192	108	1266
Van der Hegge-Zijnen, Bernardus A. J., Hanover, Germany. Apparatus for stopping railway-trains from the line and for signaling purposes.	754,359	Mar. 8	2218	495	109	511
Van der Valk, Christian C., Voorburg, near The Hague, Netherlands. Gold-washing machine.	760,664	May 24	4141	880	110	980
Van der Valk, Christian C., Voorburg, near The Hague, Netherlands. Safety device for strong-current overhead conductors.	763,223	June 21	3189	687	110	4172
Van der Weit, James. (See Garrison and Van der Weit.)						
Van der Weit, Richard. (See Garrison and Van der Weit.)						
Van der Wielen, Martyn A., Rotterdam, Netherlands. Coin-controlled liquid-vending apparatus.	763,645	June 28	4004	513 514	110	2369
Van Derbilt, James H., Fairville, N. Y. Metal-bender.	778,158	Dec. 20	3361	738	113	2184
Van Derwort, Adrian O., Troy, N. Y. Packing.	759,390	May 10	1538	309	110	370
Van Deussen, Charles H., Verona, Ill. Wagon-box.	760,499	May 24	3802	805	110	907
Van Deussen, Henry M., Westfield, Mass. Drop-top whip.	760,516	Sept. 6	744	161	112	169
Van Deussen, William S., South Sudus, N. Y. Heating-stove.	751,962	Feb. 9	2308	497	108	1550
Van Doorn, Henry D., assignor to American Ship Windlass Co., Providence, R. I. Wharf-drop.	749,595	Jan. 12	2136	445	108	500
Van Doren, Chester J., Iola, Kans. Cement-kiln-cleaning machine.	757,522	Apr. 19	2628	375	109	1933
Van Dorn, Dwight B., Cleveland, Ohio. Running-gear.	750,915	Feb. 2	254	58, 59	108	1114
Van Dorn, William T., Chicago, Ill. Railway draft-rigging.	749,888	Jan. 19	2712	580	108	641
Van Dorn, William T., Chicago, Ill. Draft-rigging for railway-cars.	752,315	Feb. 16	2588	644	108	1720
Van Driessche, Charles, Ghent, Belgium. Crane.	763,222	June 21	3186	686	110	2173
Van Duin, Pieter, Almelo, and L. W. Van Thiel, Helmond, Netherlands. Locking device for nuts, &c.	749,924	Jan. 19	2800	597	108	660
Van Dyck, Edward, Adams, Mass. Guide-loop for checkreins.	776,369	Nov. 29	5697	1206	113	1356
Van Dyke, John W., Philadelphia, Pa. Railway-car.	768,838	Aug. 30	5657	1189	111	2370
Van Eaton, I. H. (See Moore, Samuel E., assignor.)						
Van Eghe, Jan H., et al. (See Ronsdorf, August, assignor.)						
Van Essen, Pieter D., Utrecht, Netherlands. Shrapnel.	775,640	Nov. 22	4290	906	113	1023

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Van Gale, Louis, Newark, N. J. Hand-glass or similar toilet article.....	765,446	July 19	3100	648 649	111	707
Van Gent, Marinus C., New York, N. Y. Fire-escape.....	751,361	Feb. 2	1090	247	108	1290
Van Hoesen, Casper, New York, N. Y. Ore separator and concentrator.....	768,444	June 28	3653	787	110	2295
Van Horn, John H., Syracuse, N. Y. Document file.....	764,645	July 12	1546	315	111	354
Van Horn, John H., Syracuse, N. Y. Card-index file.....	774,215	Nov. 8	1336	281 282	113	316
Van Horn, Vandiver J., assignor to Garton Daniels Company, Keokuk, Iowa. Control- ler-regulator.....	758,732	May 3	276	55	110	71
Van Horn, William, Piqua, Ohio. Wrench.....	778,814	Dec. 27	4637	1013	113	2479
Van Horn, William, Piqua, assignor of one-half to E. A. Jackson, Troy, Ohio. Nut or pipe wrench.....	768,832	Aug. 30	5548	1167	111	2344
Van Horn, William H., assignor to American Fuel Oil Burner Manufacturing Company, St. Louis, Mo. Fuel-oil burner.....	756,742	Apr. 5	1054	234	109	1568
Van Housen, Thomas C., and W. A. Meyers, Chicago, Ill. Etching.....	771,340	Oct. 4	234	52	112	1010
Van Husan, Edward C., et al. (See Vaughn, Wilbur J., assignor.)						
Van Inwagen, James. (See Tiffany, George S., assignor.)						
Van Kannel Revolving Door Company. (See Van Kannel, Theophilus, assignor.)						
Van Kannel, Theophilus, Bedford Park, N. Y. Means for excluding drafts from open doorways.....	774,730	Nov. 8	2326	502 503 504	113	536
Van Kannel, Theophilus, Bedford Park, assignor to Van Kannel Revolving Door Com- pany, New York, N. Y. Revolving door structure.....	770,512	Sept. 20	2618	555	112	624
Van Kirk, Arthur C., Tiffin, Ohio. Cuff-holder.....	769,365	Sept. 6	455	102	112	101
Van Kirk, Arthur C., Tiffin, Ohio. Centrifugal machine.....	773,320	Nov. 22	3588	758	113	867
Van Lohgen, Arnold W., Kalamazoo, Mich. Subduing device for animals.....	761,926	June 7	627	126	110	1578
Van Meter, James M., Cambridge City, assignor of two-thirds to C. E. Daly and J. E. Moffitt, Richmond, Ind. Fence-post.....	759,488	May 10	1851	373	110	440
Van Meter, James W., and M. P. Boss, San Francisco, Cal. Apparatus for the concentra- tion of minerals by means of oil.....	762,774	June 14	2300	502	110	1954
Van Nette, Luther, assignor of one-third to R. S. Van Nette, Bradford, Pa. Machine for sackling flour into barrels or sacks.....	759,204	May 3	1234	249 250	110	282
Van Nette, Ray S. (See Van Nette, Luther, assignor.)						
Van Norman, Charles E. (See Pease and Van Norman.)						
Van Norman, Charles E., Springfield, Mass. Cooling device for explosive-engine cylin- ders.....	761,927	June 7	628	126	110	1578
Van Norman, Charles E., Springfield, Mass. Milling machine.....	765,447	July 19	3101	649	111	707
Van Orden, John M. (See Munro, James H., assignor.)						
Van Ornum, Roger W., Racine, Wis. Driving-bit.....	762,213	June 7	1136	243	110	1687
Van Plew, James W., Chicago, Ill. Necktie-holder.....	750,135	Jan. 19	3187	685	108	741
Van Putten, Leonard, Holland, Mich. Puzzle.....	754,724	Mar. 15	3037	663	109	698
Van Sant, Thomas G., Paragould, Ark. Valve mechanism.....	778,088	Dec. 20	3290	710	113	2154
Van Schaick, Gerard. (See Healy, Edgar O., assignor.)						
Van Settes, Kryn, Paterson, N. J. Billiard-cue bridge.....	774,621	Nov. 8	2074	452	113	476
Van Sickle, Wilber H., New York, N. Y., assignor to Thos. H. Dallett Co., Philadelphia, Pa. Set for pneumatic riveters.....	773,770	Nov. 1	447	99	113	105
Van Tassel, James H., and J. M. Thornton, Elmira, N. Y. Sharpener for shears.....	776,997	Dec. 6	1019	218	113	1655
Van Thiel, Lambertus W. (See Van Duijn and Van Thiel.)						
Van Trump, Charles R., Wilmington, Del. Block-signal and track-switch operating device.....	768,411	Aug. 23	4665	977 978	111	2186
Van Valer, De Witt C., New York, N. Y., assignor to Frazer & Geyer Company, Pen- nsylvania.....	772,193	Oct. 1	1987	438	112	1401
Van Valkenburgh, Herman L., Pittsburg, Pa., assignor to Westinghouse Electric & Manu- facturing Company. Controller for electric motors.....	774,800	Nov. 15	2469	533	113	587
Van Valkenburgh, Paul E., Chicago, Ill. Phonograph.....	773,304	Oct. 25	4365	921 922	112	1969
Van Vechten, Orville R., assignor to Economic Sewing Machine Company, New York, N. Y. Stitch-forming mechanism for sewing-machines.....	775,225	Nov. 15	3359	716	113	790
Van Wagner, Charles W., Englewood, N. J. Souvenir postal card.....	771,591	Oct. 4	735	164	112	1116
Van Wagoner Company. (See Van Wagoner, Cornelius S., assignor.)						
Van Wagoner, Cornelius S., assignor, by mesne assignments, to Van Wagoner Company, Cleveland, Ohio. Sheet-metal hinge.....	764,785	July 12	1820	373	111	414
Van Wagoner, Cornelius S., Cleveland, Ohio, assignor to M. L. Van Wagoner, Brooklyn, N. Y. Hinge.....	764,833	July 12	1927	395	111	438
Van Wagoner, Garrett, and C. A. Lindstrom, assignors of one-third to I. V. Rowzee, Ruth- erford, N. J. Shoe-fastener.....	761,113	May 31	5077	1077	110	1199
Van Westrum, Leonard S., Berlin, Germany. Sprinkling streets, &c.....	732,485	Feb. 16	3304	.....	108	1788
Van Westrum, Leonard S., Berlin, Germany. Making roads or like surfaces.....	732,486	Feb. 16	3205	.....	108	1788
Van Westrum, Leonard S., Berlin, Germany. Sprinkling streets.....	732,487	Feb. 16	3206	.....	108	1788
Van Winkle, Abraham, Newark, N. J. Fumigator.....	756,916	Apr. 12	1398	311	109	1656
Van Winkle, Charles W., Farmington, Cal. Automobile.....	764,646	July 12	1547	316	111	354
Van Winkle, Henry, Paterson, N. J. Beaming mechanism.....	758,499	Apr. 28	4548	978	109	2376
Van Wye, Charles W., Freeport, Kans. Adjustable sieve.....	761,561	May 31	5912	1267	110	1383
Vance, Edward W., et al. (See Woodward, M. J., assignor.)						
Vance, Harry A., Empire, Ohio. Wrench.....	777,964	Dec. 20	3042	670	113	2114
Vance, Herman E., Columbus, Ohio. Fire-resisting door or blind.....	767,024	Aug. 9	1835	384	111	1466
Vance, John M., and T. Lanahan, Louisville, Ky., assignors of two-thirds to W. T. Van Brunt and D. S. Harding, New York, N. Y. Automatic device for setting air-brakes on steam-railway cars.....	752,012	Feb. 9	2320	518	108	1573
Vance, Owen E., P. S. and N. G. Baker, Muscatine, Iowa; said Vance and P. S. Baker assignors to said N. G. Baker. Cook-cooking machine.....	777,321	Dec. 13	1678	372	113	1815
Vance, Sidney F., Salmon, assignor of one-half to L. D. Woodard, Elkhart, Tex. Spring- tooth for cultivators and harrows.....	756,995	Apr. 12	1559	242	109	1689
Vance, Sidney F., Salmon, assignor of one-half to L. D. Woodard, Elkhart, Tex. Cultiva- tor.....	756,996	Apr. 12	1560	242	109	1690
Vance, Stonewall J., Mountaingrove, Mo. Making alcohol.....	760,939	May 24	4697	.....	110	1085
Vance, Walter N., assignor to Miehle Printing Press and Manufacturing Company, Chi- cago, Ill. Electric-motor controller.....	763,031	June 21	2798	608	110	2085
Vandecore, Fred G., Colebrook, N. H. Key-holder.....	768,418	Sept. 6	553	120	112	125
Vandoren, William M., Foyt, Ind. Ter. Muzzle for calves or colts.....	764,594	Jan. 12	2135	445	108	500
Vandenburg, Melvin O. (See King, George W., assignor.)						
Vandegrift, William M., Mineralridge, Ohio. Magazine-firearm.....	769,515	Sept. 6	737	180 181	112	167
Vanden Berg, William C., Milwaukee, Wis. Temporary binder.....	759,410	May 10	1708	345	110	407
Vandenburgh, William E., Chicago, Ill. Amalgamator.....	767,365	Aug. 9	2491	521	111	1610
Vander Veer, Benjamin B., New York, N. Y. Box or receptacle for holding crackers or the like.....	760,043	May 17	2936	612	110	693
Vanderbeck, Alexis, Roseland, Kans. Electric motor.....	758,225	Apr. 26	4009	870	109	2256

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Vanderbilt, Cornelius. (See Shepard, Louis A., assignor.)						
Vanderbilt, Cornelius, New York, N. Y. Railway-car.	748,895	Jan. 5	653	145	108	146
Vanderbilt, Cornelius, New York, N. Y. Railway-car.	753,938	Mar. 8	1452	326	109	335
Vanderbilt, Cornelius, New York, N. Y. Railway-car.				161		
Vanderbilt, Cornelius, New York, N. Y. Metallic car construction.	771,589	Oct. 4	730	162	112	1114
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Vanderbilt, Cornelius, New York, N. Y. Tender for locomotives.	771,590	Oct. 4	733	1086	112	1115
				1087		
Vanderbilt, Cornelius, New York, N. Y. Railway-car.	775,952	Nov. 29	4905	1087	113	1172
Vanderbush, Engelbert, and W. J. Looman, Detroit, Mich. Dust collector and separator.	769,808	Sept. 13	1267	272	112	303
Vandercrook, Frank E., assignor of one-half to C. E. Spencer, Waterbury, Conn. Protractor.	776,817	Dec. 6	707	157	113	1583
Vanderkloot, Mathias R., Chicago, Ill. Filing.	765,526	June 28	8785	817	110	3323
Vanderlinden, William, assignor of one-half to G. Dekker, Lansing, Ill. Bending-machine.	755,588	Mar. 22	4601	1022	109	1053
				1023		
Vanderlip, Louis C., Elkhart, Ind. Envelope.	753,338	Mar. 1	214	48	109	49
Vanderman, William, Willimantic, Conn. Pipe fitting and testing apparatus.	755,063	Mar. 22	3691	810	109	859
Vanderman, William, Willimantic, Conn. Brush.	765,710	Aug. 30	6301	1114	111	2200
Vanderman, William, Willimantic, Conn. Fireproof box.	773,269	Oct. 25	4303	910	112	1956
Vanderperre-Simon, Laurent, Brussels, Belgium. Pneumatic-tire guard.	771,190	Sept. 27	3955	884	112	937
Vanderveen, Henry. (See Wilder and Vanderveen.)						
Vandervoort, Addison, Belleville, Canada. Lawn-sprinkler.	757,160	Apr. 12	1897	414	109	1764
Vandever, John H., assignor of one-half to W. R. Wells, Olalla, Oreg. Gate-hinge.	748,670	Jan. 5	221	32	108	48
Vandewater, Samuel A., assignor to Beekman Novelty Company, New York, N. Y. Fountain-pen-filling device.	766,202	Aug. 2	107	19	111	1065
Vandewerker, Warren R., Clark, S. D. Crank-movement for well-drills.	755,063	Mar. 22	3691	810	109	860
Vanfossen, William H., Eureka, Ill. Mechanical motor.	773,693	Nov. 1	307	68	113	73
Vannais, George L., Hartford, Conn. Electric signal system.	759,047	May 5	914	185	110	209
Vanneman, Franklin M., Sidell, Ill. Refrigerator.	753,764	Mar. 1	1051	240	109	226
Vanneman, William C. (See Randall and Vanneman.)						
Vansant, Richard L., Haverford, Pa. Coffee-pot.	767,778	Aug. 16	3289	695	111	1807
Van't Woud, Victor C., New York, N. Y. Bath-spray.	757,791	Apr. 19	3176	689	109	2055
Vanvactor, David E., Argos, Ind. Device for securing furniture-joints in position.	756,997	Apr. 12	1561	342	109	1690
Vanzant, William S., Eldredge, N. J. Sand-cleaning apparatus.	762,775	June 14	2303	502	110	1955
				503		
Vargas, John D. (See Obiols, Frank, assignor.)						
Varley Duplex Magnet Company. (See Anderson, James C., assignor.)						
Varley Duplex Magnet Company. (See Scott, Archibald D., assignor.)						
Varley Duplex Magnet Company. (See Varley, Richard, assignor.)						
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Ruhmkorff coil.	750,089	Jan. 19	3008	645	108	704
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Vibratory circuit-controller.	750,040	Jan. 19	3011	645	108	704
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Vibratory circuit-controller.	750,041	Jan. 19	3012	645	108	705
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	757,523	Apr. 19	2630	576	109	1933
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	757,524	Apr. 19	2632	577	109	1934
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	757,525	Apr. 19	2634	577	109	1934
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Lock-nut.	757,526	Apr. 19	2637	577	109	1934
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Vibrator for induction-coils.	757,527	Apr. 19	2638	578	109	1935
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Circuit-controller for induction-coils.	757,792	Apr. 19	3177	690	109	2055
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil vibrator.	762,776	June 14	2305	503	110	1956
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	772,590	Oct. 18	2786	614	112	1598
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	772,591	Oct. 18	2787	614	112	1599
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	772,592	Oct. 18	2788	614	112	1599
Varley, Richard, Providence, R. I., assignor to Varley Duplex Magnet Company. Induction-coil.	776,705	Dec. 6	476	105	113	1532
Varner, Clark L., assignor of one-half to W. W. Varner, Santa Paula, Cal. Traction means for street-railways.	773,694	Nov. 1	308	68	113	74
Varner, Walter W. (See Varner, Clark L., assignor.)						
Vars, Washington M., Norwich, Conn. Stocking-supporter.	752,271	Feb. 16	2798	620	108	1701
Vasaly, Spirit J. (See Gillette, Randolph, assignor.)						
Vasquez, Ramon. (See Delaunay and Vasquez.)						
Vater, Frank F., Chicago, Ill. Separator.	773,890	Nov. 1	555	121	113	128
				263		
Vauclain, Andrew C., Philadelphia, Pa. Multiple drilling-machine.	766,747	Aug. 2	1342	264	111	1317
				265		
Vauclain, Andrew C., Philadelphia, Pa. Template for drilling-machines.	766,748	Aug. 2	1345	265	111	1317
Vaughan, Daniel G., Boronia, Victoria, Australia. Brush-handle.	772,849	Oct. 16	3282	717	112	1706
Vaughan, David F., Haddonfield, N. J. Guard-rail.	752,428	Feb. 16	3111	691	108	1767
Vaughan, David F., Haddonfield, N. J. Railway-frog.	765,526	July 19	3261	682	111	741
Vaughan, David F., Haddonfield, N. J. Guard-rail.	767,779	Aug. 16	3291	695	111	1807
Vaughan, David F., Haddonfield, N. J. Guard-rail fastener.	775,738	Nov. 22	4473	947	113	1062
Vaughan, Earl, Boston, Mass. Steam-engine indicator.	761,732	June 7	217	42	110	1486
Vaughan, Edward B., Selma, Ala. Cotton-picker.	752,272	Feb. 16	2799	620	108	1701
Vaughan, James M., Owensboro, Ky. Attachment for vehicle-steps.	753,334	Mar. 1	215	48	109	49
Vaughan, William W., Detroit, Mich. Fruit jar or package and sealing same.	774,119	Nov. 1	1155	247	113	261
Vaughan, William W., Detroit, Mich. Means for sealing jars or packages and method of sealing same.						
Vaughan, Samuel W., J. B. McClure, Lorain, and A. J. Boynton, Elyria, Ohio. Blast-furnace top and charging device.	774,120	Nov. 1	1157	247	113	262
Vaughan, Samuel W., J. B. McClure, Lorain, and A. J. Boynton, Elyria, Ohio. Skip-car or hoist for blast-furnaces.	768,207	Aug. 23	4240	892	111	2035
Vaughan, Samuel W., J. B. McClure, Lorain, and A. J. Boynton, Elyria, Ohio. Stock-collecting car or lorry.	768,208	Aug. 23	4243	892	111	2036
				893		
Vaughn, Charles A., Seitzland, Pa. Air-heating system.	757,074	Apr. 12	1712	372	109	1722

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Vaughn, Charles C., assignor of one-half to G. J. McConnell, San Francisco, Cal. Power-transmitting mechanism	777,229	Dec. 13	1507	334	113	1777
Vaughn, Ella, New Orleans, La. Bule	757,305	Apr. 12	2311	505	109	1832
Vaughn, James L., Pikeville, Tenn. Umbrella	754,029	Mar. 8	1619	360	102	373
Vaughn Machine Company. (See Strout, Robert W., assignor.)						
Vaughn-Rood Machine Company. (See Perkins, Franklin J., assignor.)						
Vaughn, Wilbur J., assignor of two-thirds to F. C. Osborn and E. C. Van Husan, Detroit, Mich. Air-brake	755,335	Mar. 22	4154	918	109	955
Vaurs, Baptiste, Paris, France. Carburetor for hydrocarbon-engines	772,979	Oct. 25	3557	769	112	1785
Vavra, Herman E. (See Hurt, Celestin, assignor.)						
Veach, John W. (See Lindsay and Cunningham, assignors.)						
Veale, William M. (See MacDonald and Veale.)						
Vedder, Harmon P. (See King, Homer C., assignor.)						
Veeder, Curtis H., assignor to Veeder Manufacturing Company, Hartford, Conn. Steering-mechanism for motor-vehicles	751,575	Feb. 9	1468	333	108	1390
Veeder, Curtis H., assignor to Veeder Manufacturing Company, Hartford, Conn. Steering-mechanism for motor-vehicles	751,576	Feb. 9	1469	333	108	1390
Veeder, Curtis H., assignor to Veeder Manufacturing Company, Hartford, Conn. Counter	776,039	Nov. 29	5062	1073	113	1215
Veeder Manufacturing Company. (See Staude, Edwin G., assignor.)						
Veeder Manufacturing Company. (See Veeder, Curtis H., assignor.)						
Veersen, Sipke H. (See Verheul, Henry, assignor.)						
Vehicle Equipment Company. (See Gibbs, Lucius T., assignor.)						
Vehicle Equipment Company. (See Madden, Albert F., assignor.)						
Vehicle Specialty Company. (See Groff, John M., assignor.)						
Vehmeyer, Frederick C., et al. (See Sharpnuck, William S., assignor.)						
Vehr, John H. (See Pentlake and Vehr.)						
Verjosta, Frank, Silverlake, Minn. Corn-husking and fodder-preparing machine	768,249	Aug. 23	4325	910	111	3051
Vellino, Carlos, Barcelona, Spain. Metal-pump	777,870	Dec. 20	2795	613	113	2067
Venable, George L., New Brunswick, N. J. Alarm attachment for linotype-machines	754,030	Mar. 8	1620	361	109	373
Venable, Henry H., Los Angeles, Cal. Universally-adjustable saw-guide	760,090	May 17	3017	630	110	715
Venable, Joseph G., Sr., Petersburg, Ind. Spring bed-bottom	754,200	Mar. 8	2053	456	109	467
Venable, Joseph G., Sr., Petersburg, Ind. Bed-bottom	771,191	Sept. 27	3956	834	112	397
Venables, John H., assignor to W. J. McMurtry, Toronto, Canada. Brick-making machine	755,818	Mar. 29	5081	1128	109	1173
Venderbusch, Engelbert, Detroit, Mich. Metal grinding or polishing machine	776,156	Nov. 29	5300	1121	113	1262
Veneer Barrel Machine Co. (See Gage, Frank E., assignor.)						
Venn, Augustus E., Chicago, Ill. Cutting-tool	763,527	June 28	3787	818	110	2322
Venn, Isaac H., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Traveling stairway	751,702	Feb. 9	1692	385	108	1436
Venn, Isaac H., Yonkers, N. Y., assignor to Otis Elevator Company, East Orange, N. J. Traveling stairway	764,906	July 12	2079	431	111	471
Venners, James H., Brooklyn, N. Y. Water-pressure injector	761,021	May 24	4886	1033	110	1138
Venter, Otto, Chemnitz, Germany. Apparatus for dyeing	764,966	July 12	2195	454	111	496
Venter, Otto, Chemnitz, Germany. Apparatus for dyeing, &c	774,407	Nov. 8	1672	359	113	392
Ver Plancq, William E. (See Hamilton and Ver Plancq.)						
Ver Plancq, William E., New York, and C. E. Lucke, Kingsbridge, N. Y. Vaporizer	767,456	Aug. 16	2685	564	111	1674
Verac, Charles L., New York, N. Y. Monkey-wrench	764,084	July 5	351	68	111	77
Verein Chemischer Fabriken in Mannheim. (See Hasenbach, Wilhelm, assignor.)						
Verein Chemischer Fabriken in Mannheim. (See Lunge and Pollitt, assignors.)						
Vereinigte Chemische Werke Actien-Gesellschaft. (See Connstein, Wilhelm, assignor.)						
Vereinigte Maschinenfabrik Augsburg und Maschinenbaugesellschaft Nürnberg A.-G. (See Enderlen, Albert H., assignor.)						
Vereinigte Maschinenfabrik Augsburg und Maschinenbaugesellschaft Nürnberg A.-G. (See Marx, Georg, Jr., assignor.)						
Vereinigte Uhrenfabriken von Gebrüder Junghans and Thomas Haller A.-G. (See Junghans and Wlost, assignors.)						
Verheul, Henry, assignor of one-half to S. H. Veersen, Pella, Iowa. Carpet-stretcher	772,980	Oct. 25	3558	770	112	1785
Verkier, John E., Chicago, Ill. Combined shade-bracket and curtain-rod holder	758,158	Apr. 26	3885	844	109	2230
Vermehren, Johannes, Hellerup, Denmark. Calculating-machine	755,084	Mar. 22	3695	810	109	860
Vermont Farm Machine Company. (See Andersson, Gustaf M., assignor.)						
Vermont Farm Machine Company. (See Kimball, Perley L., assignor.)						
Vermont Slate Company. (See Schlett, John F., assignor.)						
Verner, William H., Pittsburg, Pa. Electric cut-out	751,227	Feb. 2	840	192	108	1236
Vernet, Marshall J., Cecil, Pa. Railway-crossing gate	763,702	June 28	4129	900	110	2396
Vernon, Samuel N., Sonora, Ohio. Hose or pipe coupling	762,777	June 14	3308	503	110	1956
Vernonee, Edward B., St. Augustine, Fla. Fan attachment	751,963	Feb. 9	2399	498	108	1550
Verschie, Giovanni, New York, N. J. Musical instrument	756,743	Apr. 5	1055	235	109	1568
Verstraelen, William R., and C. Alter, New York, N. Y. Note-sheet	769,517	Sept. 6	745	161	112	169
Verstraelen, William R., and C. Alter, New York, N. Y. Picking device for zithers	769,518	Sept. 6	746	162	112	169
Verstraelen, William R., and C. Alter, New York, N. Y. Picking device	769,519	Sept. 6	748	162	112	170
Verstraelen, William R., and C. Alter, New York, N. Y. Self-playing zither	769,671	Sept. 6	1004	218	112	228
Verstraelen, William R., and C. Alter, New York, N. Y. Coin-controlled apparatus	769,672	Sept. 6	1014	220	112	231
Vesey, James H., Chicago, Ill. Manufacturing check-book	777,705	Dec. 20	2438	535	113	1994
Vesey, Richard H., et al. (See Heep, Louis B., assignor.)						
Vessey, Thomas L. (See Cross, William A., assignor.)						
Vesta, Fabrik Automatisch Gasmesser G. M. B. H. (See Koźminski, Samuel, assignor.)						
Vestal, Warner L., Redlands, Cal. Fence-post	776,968	Dec. 6	1020	218	113	1654
Vetter Desk Company. (See Zimmerli, Charles, assignor.)						
Veyon, Samuel, East Palestine, Ohio. Tile, brick, or the like	776,441	Nov. 29	5846	1236	113	1390
Viano, Felix, West Somerville, assignor to Columbia Jewelry Company, North Cambridge, Mass. Frame for bags, &c	755,085	Mar. 22	3696	811	109	860
Viaud, Rodolphe, Chantenay-sur-Loire, France. Boiler	771,513	Oct. 4	581	130	112	1082
Vibrassage Company. (See Franchmidt, Charles, assignor.)						
Vicars, John, Jr. (See Vicars, Thomas and J., Jr.)						
Vicars, Thomas and J., Jr., Earlestown, England. Traveling oven	755,194	Mar. 22	3892	888	109	901
Vicars, Thomas and J., Jr., Earlestown, England. Biscuit stamping and cutting machine	760,827	May 24	4488	955	110	1054
Vick, Frank H., Jr., New York, N. Y. Combined match-box and cigar-cutter	732,130	Feb. 16	2523	563	108	1638

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Vick, Rollo M. (See Ellett and Vick.)						
Vickers, George M. Jr., Bala, Pa. Adjustable hook for hand-trucks	757,793	Apr. 19	3179	690	109	2056
Vickers, Hayes B., Schenectady, N. Y. Hand-brake	775,713	Nov. 22	4435	937	113	1054
Vickers Sons & Maxim. (See Dawson and Buckham, assignors.)						
Vickers Sons & Maxim. (See Dawson and Silverman, assignors.)						
Vickers Sons & Maxim. (See Ramsay and Riddle, assignors.)						
Vickers Sons & Maxim. (See Williamson and Sumpter, assignors.)						
Vickery, George A., Lexington, Mass. Brush	756,998	Apr. 12	1563	343	109	1690
Vickery, John, New York, N. Y. Device for facilitating the turning of pages	772,194	Oct. 11	1988	438	112	1401
Vickery, William, London, England. Feed mechanism for printing or like machines	752,488	Feb. 16	3207	716	108	1788
Vickroy, Edwin A., Atlanta, Ga. Car-wheel	771,341	Oct. 4	237	52	112	1011
Victor Electric Company. (See Wantz, Julius B., assignor.)						
Victor Manufacturing Company. (See Moody, Henry T., assignor.)						
Victor Safe & Lock Co. (See Peisting, George J. and H. G., assignors.)						
Victor Talking Machine Company. (See Dennison, Wilburn N., assignor.)						
Victor Talking Machine Company. (See English, John C., assignor.)						
Victor Talking Machine Company. (See Jetter, Julius, assignor.)						
Victor Talking Machine Company. (See Johnson, Eldridge R., assignor.)						
Victor Talking Machine Company. (See Johnson and Moore, assignors.)						
Victor Talking Machine Company. (See Morgan, Harry E., assignor.)						
Victor Talking Machine Company. (See Valiquet, Louis P., assignor.)						
Vidal, Raymond, Paris, France. Preparation of salts of iron for use in oil-colors	763,574	June 23	3378		110	2343
Viele, Ransome D. (See Robinson and Viele.)						
Viens, Thelphore, Minneapolis, Minn. Bed-bottom	756,744	Apr. 5	1657	235	109	1569
Vieregg, Henry, assignor of one-fourth to H. A. S. vers, Grand Island, Nebr. Fire-escape	773,355	Oct. 25	4473	947	112	1933
Viert, Albert, Chicago, Ill. Box	749,412	Jan. 12	1764	373	108	419
Viertel, Hermann, assignor to Gebrüder Siemens & Co., Charlottenburg, Germany. Device for producing electric light	750,414	Jan. 26	3698	802	108	874
Vierthaler, John, et al. (See Farmer, Julius M., assignor.)						
Vigars, Charles H., Milton, Mass., assignor to C. Bate, Brockville, Canada. Sound collecting and magnifying device	763,575	June 28	3879	841	110	2343
Vignos, Alfred A., Canton, Ohio. Corkscrew-machine	777,161	Dec. 13	1382	304 (305)	113	1749
Vignos, Augustus. (See Paar, Henry, assignor.)						
Vihon, Louis, Austin, Chicago, Ill. Hat-fastener	749,466	Jan. 12	1902	395	108	448
Vilas, Charlotte C., Milwaukee, Wis. Trunk	776,040	Nov. 29	5086	1073	113	1215
Vilim, Jan, Prague, Austria-Hungary, and F. Hauser, Naefels, Switzerland; said Hauser assignor to said Vilim. Photographic half-tone for book-printing and lithography	755,417	Mar. 22	4303		109	989
Villard, Richard H., New York, N. Y., and H. P. Copeland, Jersey City, N. J. Cable-hanger	751,228	Feb. 2	842	192	108	1236
Villatte, Louis, Watertown, N. Y. Roller-bearing	775,875	Nov. 22	4730	1001	113	1115
Villiers, Edward C., Windsor, assignor of one-half to W. H. Smith, Queen's Acre, England. Steam-generator	750,916	Feb. 2	256	59, 60	108	1114
Villiger, Joseph, Jr., Dixon, Ill. Cutter-head	764,399	July 5	1007	204	111	324
Villmow, John A. H., Milwaukee, Wis. Trunk	757,528	Apr. 19	2639	578	109	1335
Vilmar, Carl, Zellerfeld, Germany. Making monocbenzoyle tarbutin	757,370	Apr. 12	2312		109	1832
Vincent, Frank S., Petoskey, Mich., assignor of one-half to R. J. Lyon, Salt Lake City, Utah. Gas-generator	774,802	Nov. 15	2471	533	113	587
Vincent, Hilaire, Manchester, N. H. Bottle	776,097	Nov. 29	5191	1096	113	1238
Vincent, Homer. (See Mullison, Isaac O., assignor.)						
Vincke, Gerhard H., assignor to Miguel, Vincke & Meyer, San Feliu de Guixols, Catalonia, Spain. Machine for grinding corks simultaneously on both ends and forming them same length	766,403	Aug. 2	521	110	111	1154
Viner, Martha H., Buffalo, N. Y. Strainer	773,939	Mar. 8	1454	327	109	335
Vining, Robert W., London, England. Automatic apparatus for delivering articles in exchange for coin	749,003	Jan. 5	899	190	108	210
Vinson, James, Creal Springs, Ill. Motor	758,226	Apr. 26	4013	870	109	2256
Vinton, John H., Boston, assignor of two-thirds to W. W. Potter, Brookline, and J. T. Minchin, Malden, Mass. Machine for making horseshoe-calks	758,607	Apr. 26	4787	1030 (1031)	109	2429
Vinton, John H., Boston, assignor of two-thirds to W. W. Potter, Brookline, and J. G. Minchin, Malden, Mass. Calk for horseshoes	760,665	May 24	4143	881	110	981
Vinyard, Alfred L., Slidell, La. Wrench	748,671	Jan. 5	222	53	108	48
Vinyard, Alfred L., Slidell, La. Rail-joint	748,672	Jan. 5	222	53	108	48
Viola, Bartholomew, New York, N. Y., assignor of one-half to R. G. G. Moldenke, Watchung, N. J. Wood-distilling apparatus	767,090	Aug. 9	1978	412	111	1500
Viola, Bartholomew, New York, N. Y., assignor of one-half to R. G. G. Moldenke, Watchung, N. J. Wood-distilling apparatus	767,091	Aug. 9	1980	412	111	1500
Viola, Bartholomew, and J. Erdelyi, New York, N. Y. Device for stopping vehicles	776,766	Dec. 6	603	131	113	1559
Visco, Gaetano, Brinton, Pa. Elevator	763,946	June 28	4598	1005	110	2446
Vitagraph Company of America. (See Smith, Albert E., assignor.)						
Vivarttas, William O., Weshawken, assignor to H. B. Smith Machine Company, Smithville, N. J. Planing-machine	750,917	Feb. 2	259	60	108	1114
Vivion, David R., Columbia, Mo. Gage-plate attachment for planters and drills	770,878	Sept. 27	3338	705	112	802
Vladescu, Emilie, Gara Nucet, Roumania. Corn-husker	769,575	Sept. 6	844	180	112	191
Vodra, Edward J., Two Rivers, Wis. Grading-machine	760,590	May 24	3973	845	110	945
Voelker, August, Berlin, Germany, assignor to Société Anonyme Industrie Verrière et ses Dérivés à Bruxelles. Incandescent electric material	770,991	Sept. 27	3551	748	112	852
Voelker, George W., Woonsocket, R. I. Rotary cloth-pressing machine	765,692	July 26	3593	764	111	826
Voellner, George, and P. Devaux, assignors of one-half to M. Eggeman, New York, N. Y. Shears	766,298	Aug. 2	324	67	111	1112
Vogel, Anton, Merrill, Wis. Rail-joint	762,778	June 14	2939	504	110	1956
Vogel & Brothers, William. (See Edwards and Rantsch, assignors.)						
Vogel, Carl, deceased; E. Ebert, Brooklyn, N. Y., administratrix. Steering and propelling device for vessels	765,171	July 19	2564	535 (536)	111	591
Vogel, Christian, Seward, Neb. Tool-sharpening mechanism	768,493	Aug. 23	4823	1011	111	2168
Vogel, Ernest H., New York, N. Y. Lifting apparatus	765,347	July 19	2903	606	111	664
Vogel, Ernest H., New York, N. Y. Electric elevator	765,348	July 19	2904	606	111	665
Vogel, Ernest, assignor to Ortenbach & Vogel, Bitterfeld, Germany. Duplex pumping-machine	767,612	Aug. 16	3002	627	111	1748
Vogel, Eugene W., Chicago, Ill., assignor, by mesne assignments, to Railroad Supply Company. Crossing-gateways	771,029	Sept. 27	3636	766 (767)	112	868
Vogel, Eugene W., Chicago, Ill., assignor to Railroad Supply Company. Railway signal-circuits	771,030	Sept. 27	3639	767	112	868
Vogel, Eugene W., and C. H. Morrison, Chicago, Ill., assignors to Railway Supply Company. Electromagnetic circuit-controller	775,692	Nov. 22	4392	927	113	1045

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Vogel, Frank W., Santa Monica, Cal. Wrench	761,797	June 7	374	76	110	1523
Vogel, George B., Roanoke, Va. Umbrella-frame joint	770,704	Sept. 20	2983	634	112	706
Vogel, George J. (See McCrory and Vogel.)						
Vogel, George L., and A. Finck, Jersey City, N. J. Machine for bending angle-irons	761,429	May 31	5681	1209 1210	110	1332
Vogel, Henry F., assignor to St. Louis Car Company, St. Louis, Mo. Car construction	770,132	Sept. 13	1869	397	112	498
Vogel, Henry F., assignor to St. Louis Car Company, St. Louis, Mo. Car-window	778,517	Dec. 27	4085	889	113	2357
Vogel, Henry F., and W. S. Miller, St. Louis, Mo., assignors, by mesne assignments, to Curtin Supply Company, Chicago, Ill. Curtain-fixture	765,113	July 12	2455	512	111	550
Vogel, Joseph A., Wilmington, Del. Flushing apparatus	762,853	June 14	2469	535	110	1992
Vogel, Leopold H., Boston, Mass. Innersole	774,622	Nov. 8	2075	452	113	476
Vogel, Otto, Berlin, Germany, assignor to E. Goldman, Chicago, Ill. Bottling apparatus	772,195	Oct. 11	1989	439	112	1401
Vogelmann, Reinhard, Stuttgart, Germany, and A. F. Nanz, Brooklyn, N. Y. Watchman's time-detector	776,628	Dec. 6	324	70	113	1500
Vogelsang, August A., Dresden, Germany, assignor to C. Martin, Nottingham, England. Apparatus for electrically bleaching materials	756,745	Apr. 5	1058	236	109	1569
Vogelsang, John H., Covington, Ky. Throatless horse-collar with combination-plate	767,371	Aug. 9	2498	528	111	1611
Vogelzang, Frank, Rock Valley, Iowa. Device or tool for tightening fence-wires	763,445	June 28	3654	787	110	2285
Voges, August, Chicago, Ill. Interchangeable key or button for type-writing machines	771,950	Oct. 11	1472	334	113	1286
Vogt, Peter A., Hanover, Germany. Short-hand type-writing machine	767,508	Aug. 16	2794	584	111	1696
Vogt, Adolf, West Norwood, England. Internal-combustion motor	752,273	Feb. 16	2800	621	108	1701
Vogt, Adolf, West Norwood, England. Internal-combustion motor	752,936	Feb. 23	4123	918	108	2009
Vogt, Frank H., New York, assignor to C. J. Hauck & Son, Brooklyn, N. Y. Strainer	767,780	Aug. 16	3292	919	111	1807
Vogt, Philip F., Dayton, Ohio. Boiler-flue cleaner	767,854	Aug. 16	3454	731	111	1841
Vogt, Sam P., et al. (See Barbee, Thomas M., assignor.)						
Vogther, Max, Berlin, Germany. Testing butter	749,343	Jan. 12	1623	344	108	391
Vohl, Henry. (See Des Noyers and Vohl.)						
Vohl, Louis, St. Louis, Mo. Shoe	757,424	Apr. 12	2424	528	109	1874
Voight, Henry G., New Britain, Conn. Molder's flask and gated pattern	750,559	Jan. 26	3994	864	108	993
Voight, Henry G., New Britain, Conn. Sand-press	750,918	Feb. 2	260	60, 61	108	1115
Voight, Henry G., New Britain, Conn. Molding-machine	762,365	June 14	1453	315	110	1773
Voight, Henry G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock	755,195	Mar. 22	3894	850	109	901
Voight, Henry G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock and latch	757,529	Apr. 19	2641	578 579	109	1935
Voight, Henry G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Compensating hub for locks or latches	765,900	July 26	4024	859	111	916
Voight, Henry G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Door knob and lock	768,883	Aug. 30	5549	1167	111	2344
Voight, Henry G., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Screwless door-knob	776,276	Nov. 29	5530	1171	113	1315
Voigt, Carl H., assignor to L. Voigt, Leipzig-Plagwitz, Germany. Production of binding mediums for colors	770,202	Sept. 13	2013	695	112	469
Voigt, Frederick H., Philadelphia, Pa. Pin-retainer	776,969	Dec. 6	1020	216	113	1654
Voigt, Louise. (See Voigt, Carl H., assignor.)						
Voigt, Max, Charlottenburg, and A. K. Frank, assignors to Cyanid-Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Making metallic cyanids	775,953	Nov. 29	4907	1038	113	1173
Voigtmann, Frank, Chicago, Ill., and S. H. Pomeroy, New York, N. Y. Antineat-radiating window	753,765	Mar. 1	1052	240 241	109	226
Voiles, Oscar M., Poplarbluff, Mo. Cultivator	778,734	Dec. 27	4458	976	113	2439
Vold, Firm of J. M. (See Haeberlein, Max, assignor.)	753,453	Mar. 1	435	102	109	95
Voith Maschinen-Fabrik, J. M. (See Fricom, Paul, assignor.)						
Volberding, Herman F., Dike, Iowa. Carpenter's device	776,277	Nov. 29	5531	1171	113	1316
Vold, Lars H., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Controller or stop-bar for centering mechanisms	749,243	Jan. 12	1408	902	108	343
Vold, Ole G., Dawson, Minn. Safety device for firearms	774,712	Nov. 8	2248	489	113	515
Volker, George, A. W., and A. Gieritz, Buffalo, N. Y. Trolley-base and pole or arm therefor	767,025	Aug. 9	1826	384	111	1466
Volkhardt, William, Stapleton, N. Y. Hydrant	750,415	Jan. 26	3700	803	108	871
Volkmann, John H., New York, N. Y. Candy-pulling machine	772,981	Oct. 25	3560	770	112	1786
Volkmann, John H., New York, N. Y. Candy-pulling machine	777,162	Dec. 13	1384	306	113	1750
Volkmann, John H., New York, N. Y. Machine for working viscous substances	777,163	Dec. 13	1386	306	113	1750
Völler, Karl, Dusseldorf, Germany. Recoil-brake for guns	755,418	Mar. 22	4304	951 952	109	989
Vollmann, Carl. (See Thielenhaus and Vollmann.)						
Vollmann, Carl W., Montreal, Canada. Freezing-rank	754,522	Mar. 15	2640	573	109	618
Vollmer, Felton, Winsted, Minn. Party-line telephone system	774,543	Nov. 8	1924	418	113	445
Vollmer, Henry J. (See Hacker, George, assignor.)						
Volp, John, Grove City, assignor to Kinneair Manufacturing Company, Columbus, Ohio. Fire-resisting shutter or door	764,219	July 5	637	129	111	141
Von Boden, George B., Sacramento, and E. F. Ingles, San Francisco, Cal. Oil-burner	760,826	May 24	4487	955	110	1054
Von Dorn, Theodore F. (See Dickey, Arthur R., assignor.)						
Vonderheyden, Ernest, Paterson, N. J., assignor to Graef Hat-Band Mfg. Co. Cam or eccentric	751,577	Feb. 9	1471	333	108	1391
Voorhees, Walter J., Saginaw, Mich. Musical instrument and covering same	755,086	Mar. 22	3607	811	109	860
Voorhies, Charles L. (See Aranzuez and Voorhies.)						
Voorhies, Benjamin F., assignor of one-third to A. W. Zuber, Nyack, N. Y. Heating-stove	776,568	Dec. 6	206	46	113	1473
Vorbach, John, Renwicktown, Marlborough, New Zealand. Screw-cutting stock and die	765,527	July 19	3262	683	111	741
Vorländer, Daniel, and B. Drescher, Halle-on-the-Saale, and P. Seidel, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Acylated indoxyl and making same	778,725	Dec. 27	4459	.....	113	2439
Vorwerk, Carl, Barmen, Germany. Loom for tufted or pile fabrics	769,851	Sept. 13	1369	293	112	328
Vose and Cliff Manufacturing Company. (See Cliff, Edward, assignor.)	753,729	Feb. 23	3697	824	108	1914
Vose, Clifton, New York, N. Y. Weather-strip	773,173	Oct. 25	4110	869	112	1914
Vose, Henry T., Griffithville, Ark. Ash-box for stoves	752,609	Feb. 16	3456	773	108	1844
Voskamp, Charles W., Pittsburg, Pa. Horseshoe	772,543	Oct. 18	2689	590 591	112	1577
Vosler, Newton G., Fort Collins, Colo. Rail-joint lock						
Vosmaer, Alexander, Nieuwersluis, Amsterdam, and A. Lebrét, Utrecht, assignors to Ozon Maatschappij, System A. Vosmaer, Amsterdam, Netherlands. Ozonizer	754,261	Mar. 8	2054	456	109	468

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Vosper, William, Sandusky, assignor to Toledo Pipe Threading Machine Co., Toledo, Ohio. Die for cutting thread taps	763,816	June 28	4354	946	110	2443
Voss, Albert A., et al. (See Davis, James T., assignor.)						
Voss, Frederick. (See Hegbom, Marselius, assignor.)						
Voss, William H., Davenport, Iowa. Mechanical movement	750,136	Jan. 19	3188	685	108	741
Voss, William H., Davenport, Iowa. Segmental rack	777,706	Dec. 20	2440	536	113	1994
Votey, Edwin S., Summit, N. J. Keyboard playing attachment	765,645	July 19	3478	735	111	787
Votey, Edwin S., Summit, N. J., assignor to Aeolian Company, New York, N. Y. Pneumatically-operated musical apparatus	751,229	Feb. 2	842	192	108	1236
Votey, Edwin S., Summit, N. J., assignor to Aeolian Company, New York, N. Y. Expression mechanism for pneumatically-actuated musical instruments	767,781	Aug. 16	3293	696	111	1807
Votroubek, Louis, Columbus Junction, Iowa. Button	765,758	July 26	3729	796	111	852
Vought, Josiah W. (See Meriman and Vought.)						
Voy, Carl. (See Graham, Alfred B., assignor.)						
Voyer, Joseph, Woonsocket, R. I. Spindle-lubricator	764,786	July 12	1822	374	111	415
Voynow, Constantine B., Philadelphia, Pa. Adjusting and holding the gage of railway-rails	771,402	Oct. 4	378	53	112	1037
Voynow, Constantine B., and G. B. Taylor, Philadelphia, Pa. Car	762,779	June 14	2310	504	110	1957
Voynow, Constantine B., and G. B. Taylor, Philadelphia, Pa. Railway system	768,920	Aug. 30	5722	1203	111	2386
Vrauek, Joseph, Milwaukee, Wis. Dress-suit-case frame	770,340	Sept. 20	2310	486	112	857
Vreeland, Aaron, Singac, N. J. Double-plumb-rule	761,430	May 31	5684	1210	110	1333
Vrooman, Arba E. (See Vrooman, Warren F., A. E., and H. C.)						
Vrooman, Arba E., Painesville, Ohio. Vegetable-topping machine	772,762	Oct. 18	3132	682	112	1671
Vrooman, Harry C. (See Vrooman, Warren F., A. E., and H. C.)						
Vrooman, Robert, Fostoria, Ohio. Wrench	777,573	Dec. 13	2184	480	113	1924
Vrooman, Warren F., North Madison, Ohio. Siphon-gaged liquid-measure	756,439	Apr. 5	505	104	109	1450
Vrooman, Warren F., Madison, A. E. Vrooman, Painesville, and H. C. Vrooman, Madison, Ohio. Siphon-gaged liquid-measurer	764,834	July 12	1929	395	111	438
Vulcan Foundry and Machine Company. (See Paul, John T. H., assignor.)						
Vulcan Iron Works. (See Herrick, Stephen S., assignor.)						
Yuncannon, Eli, Roseville, assignor to one-half to J. Renfrow and T. W. Hillion, Kalamazoo, Ark. Bala-tie	759,778	May 10	2403	502	110	560
Yynne, E. Mann. (See Montague, Robert C., assignor.)						
W. A. Russell & Co. (See Willets, William R., assignor.)						
W. F. & John Barnes Company. (See Barnes, John, assignor.)						
W. F. & John Barnes Company. (See Barnes, Joseph P., assignor.)						
W. F. & John Barnes Company. (See Barnes, William F., assignor.)						
W. G. Armstrong, Whitworth & Company. (See Noble, Saxton W. A., assignor.)						
W. G. Browne Manufacturing Company. (See Parish, Graham C., assignor.)						
W. G. Lloyd Company. (See Nelson, Charles R., assignor.)						
W. H. Miner Company. (See Miner, William H., assignor.)						
W. H. Miner Company. (See Townsend, Frederick B., assignor.)						
W. H. Reinsner Manufacturing Company. (See Reinsner, William H., assignor.)						
W. J. Darling Machine Company. (See Darling, Geyer, and Evers, assignors.)						
W. J. Dyer & Bro. (See Harrison and Brown, assignors.)						
W. N. Best International Caloric Company. (See Best, William N., assignor.)						
W. S. Nott Company. (See Penney, Herbert E., assignor.)						
W. S. Shuler Spring Company. (See Thomas, Charles L., assignor.)						
W. S. Shuler and Thomas Spring Company. (See Thomas, Charles L., assignor.)						
Wachwitz, Heinrich, Hersbruck, near Nuremberg, Germany, assignor to Wachwitz Patents Syndicate, Limited, London, England. Welding steel plates, &c., to sheets of aluminum and aluminum-plated other metals	757,582	Apr. 19	2763	.....	109	1965
Wachwitz, Heinrich, Hersbruck, near Nuremberg, Germany, assignor to Wachwitz Patents Syndicate, Limited, London, England. Metal-welding	776,706	Dec. 6	478	.....	113	1533
Wachwitz Patents Syndicate. (See Wachwitz, Heinrich, assignor.)						
Wack, John, Canton, Ohio. Mine trap-door	763,703	June 23	4130	900	110	2396
Wackenhuth, Frederick, New York, N. Y. Apparatus for forming threads on glass	771,106	Sept. 27	3785	799	112	902
Wacker, Eugen, assignor to P. Landmann, Stockton, A. Ancker, Tehachapi, and M. Davidson, Stockton, Cal. Nut-lock	766,782	Aug. 2	1392	281	111	1337
Wacker, George G., assignor to Automatic Safety Stop Company of America, New York, N. Y. Safety device for railways	778,559	Dec. 27	4153	905	113	2371
Wackerow, George L., assignor to one-half to C. Runge, Milwaukee, Wis. Corn-husking machine	761,562	May 31	5913	1267	110	1383
Wackerow, George L., assignor to one-half to F. G. Stickles, V. M. Miller, C. H. Brunn, and G. M. Randall, Mellette, S. D. Strainer	748,821	Jan. 5	500	113	108	113
Wackur Wire Company. (See De Lamarier and McDonald, assignors.)						
Wadamori, Kikujiro, Orange, N. J. Treating wood	749,004	Jan. 5	900	190	108	210
Waddell, Montgomery, New York, N. Y. Composition for razor-strops	755,589	Mar. 28	4604	.....	109	1054
Waddell, Montgomery, New York, N. Y. Automatic regulator for electric circuits	760,091	May 17	3020	1630	110	715
Waddell, Montgomery, New York, N. Y. Rheostat	774,460	Nov. 8	1765	381	113	411
Waddell, Thomas J., assignor to one-half to C. M. Goodell, Philbrook, Mont. Fertilizer-distributor	775,357	Nov. 22	3676	780	113	883
Wade, Charles A. (See Davis, Jesse R., assignor.)						
Wade, David K. (See Wright and Wade.)						
Wade, Fred M., Brockton, assignor to one-half to George E. Keith Company, Campello, Mass. Cementing-machine	773,607	Nov. 1	136	29	113	36
Wade, James A., assignor to one-half to J. M. Umstadter, Norfolk, Va. Policeman's club	765,605	July 19	3399	717	111	771
Wade, John E., New York, N. Y. Car-coupling	764,323	July 5	831	169	111	183
Wade, Loren E. (See Shryock, James W., assignor.)						
Wade, Martin J., Iowa City, Iowa. File-holder	776,569	Dec. 6	207	46	113	1474
Wade, Sedgwick M., and G. E. Garner, Andover, Ohio. Rotary engine	759,779	May 10	2404	1502	110	500
Wade, William M., assignor to two-thirds to T. L. Spratley, Richmond, Va. Automatic weighing-truck	774,008	Nov. 1	947	196	113	216
Wadewitz, Edward H., Racine, Wis. Shift-key mechanism for type-writing machines	751,578	Feb. 9	1471	334	108	1391
Wadhams, Robert, Stockholm, Sweden. Apparatus for transmission of heat	767,187	Aug. 9	2172	453	111	1540
Wadhams, Darius T., assignor to Oswego Machine Works, Oswego, N. Y. Paper-cutting machine	771,448	Oct. 4	451	103	112	1053
Wadhams, Darius T., assignor to Oswego Machine Works, Oswego, N. Y. Paper-cutting machine	772,544	Oct. 18	2692	591	112	1577
Wadleigh, William M., Milks Grove, Ill. Wire fence	763,446	June 28	3655	787	110	2296

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Wadleigh, William M., Chicago, Ill. Harvester attachment for raising and saving down grain	763,447	June 28	3658	787	110	2296
Wadley, William M. (See Pike, Clinton B., assignor.)						
Wadsworth, Claudius, Jr., Brooklyn, N. Y. Window-screens	750,919	Feb. 2	262	61	108	1115
Wadsworth, Dwight W., Fennville, Mich. Window-screens	778,387	Dec. 27	3823	835	113	2300
Wadsworth, Frank L. O., Williams Bay, Wis., assignor, by mesne assignments, to Pressed Prism Plate Glass Company. Illuminating prism-plate	749,761	Jan. 19	2481	528	108	590
Wadsworth, Frank L. O., Williams Bay, Wis., assignor, by mesne assignments, to Pressed Prism Plate Glass Company. Prismatic illuminating structure	752,429	Feb. 16	3111	691	108	1767
Wadsworth, Frank L. O., Williams Bay, Wis., assignor to Pressed Prism Plate Glass Company. Illuminating structure	755,196	Mar. 22	3896	860	109	901
Wadsworth, Frank L. O., Williams Bay, Wis., assignor, by mesne assignments, to Pressed Prism Plate Glass Company. Illuminating structure	758,577	May 3	606	120	110	144
Wadsworth, Frank L. O., Allegheny, Pa., assignor to Pressed Prism Plate Glass Company. Illuminating structure	755,197	Mar. 22	3898	860	109	902
Wadsworth, Frank L. O., Allegheny, Pa., assignor to Pressed Prism Plate Glass Company. Fireproof illuminating structure	773,174	Oct. 25	4112	869	112	1914
Wadsworth, Frank L. O., Allegheny, Pa., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Wire-glass sheet or tile and making same	773,305	Oct. 25	4368	922	112	1970
Wadsworth, Frank L. O., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Glass plate or slab	773,306	Oct. 25	4371	923	112	1970
Wadsworth, Frank L. O., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Manufacture of glass articles	773,307	Oct. 25	4372	923	112	1970
Wadsworth, Joseph, and C. Schrier, Paterson, N. J. Jacquard mechanism for looms	769,283	Sept. 6	291	68	112	63
Wadsworth, William U., Sutter Cr., Cal. Vehicle-brake	748,896	Jan. 5	654	145	108	147
Waffle, Edson D., Santa Ana, Cal. Thill or tongue support	753,016	Feb. 23	4378	953	108	2045
Wageley, Robert E., St. Louis, Mo. Curtain-stop	769,925	Sept. 13	1502	322	112	357
Wagner, Edward A., Denver, Colo. Car-brake for railways	769,576	Sept. 6	845	181	112	191
Wagner, Louise, Jacksonville, Fla. Combined scrubber, mop, and wringer	749,506	Jan. 12	1978	411	108	463
Wagenhorst, James H., Mansfield, Ohio. Blue-printing apparatus	765,406	July 19	3009	631	111	687
Wagg, Solomon R., Appleton, Wis. Bed-plate for beating-engines	763,817	June 28	4356	947	110	2443
Wagg, Solomon R., Appleton, Wis. Apparatus for returning stock to refining-engines	763,818	June 28	4357	947	110	2443
Wagglen, James. (See White, George W., assignor.)						
Waggoner, Albert E., Grand Rapids, Mich. Car-coupling	750,331	May 10	1541	310	110	371
Waggoner, Charles, Kokomo, Ind. Apparatus for coating nails	773,356	Oct. 25	4470	948	112	1993
Waggoner, Edward P., Syracuse, N. Y., assignor to T. H. Williams, Jersey City, N. J. Separator	761,114	May 31	5078	1078	110	1199
Waggoner, James M., Fayetteville, Tenn. Railway-track gage	762,780	June 14	2312	594	110	1957
Waggoner, William B., Chicago, Ill., assignor to Butler Drawbar Attachment Company, Cleveland, Ohio. Friction draft-gear	771,592	Oct. 4	736	164	112	1116
Wagner, Adam, assignor to Wagner Manufacturing Company, Cedarfalls, Iowa. Combined ice-chisel and ice-chipper	766,558	Aug. 2	852	178	111	1227
Wagner, Bruno O., assignor to Magneto Electric Company, Incorporated, Amsterdam, N. Y. Electric semaphore signaling mechanism	762,105	June 7	942	194	110	1641
Wagner, Bruno O., assignor to Magneto Electric Company, Incorporated, Amsterdam, N. Y. Electric semaphore-signal mechanism	767,256	Aug. 9	2293	481	111	1567
Wagner, Caroline E. G. (See Wagner, Herbert L., assignor.)						
Wagner, Chapin, Indianapolis, Ind. Disk plow	757,371	Apr. 12	2313	1505	109	1852
Wagner, Chapin, Indianapolis, Ind. Trailing furrow-wheel attachment for disk plows	773,608	Nov. 1	138	30	113	36
Wagner, Chapin, Indianapolis, Ind. Disk adjustment for plows	773,609	Nov. 1	140	30, 31	113	37
Wagner, Chapin, Indianapolis, Ind. Leading furrow-wheel and guiding mechanism for disk plows	773,610	Nov. 1	142	31	113	37
Wagner, Charles, New York, N. Y. Tattooing device	768,413	Aug. 23	4670	978	111	2137
Wagner, Charles, assignor to E. F. Caldwell & Company, New York, N. Y. Switch for electric lamps	761,563	May 31	5915	1268	110	1384
Wagner, Charles A., assignor of one-half to O. E. Wagner, Chicago, Ill. Automatic vending-machine	768,412	Aug. 23	4669	978	111	2137
Wagner, Charles W., Washington, D. C. Mortising device	761,861	June 7	502	101	110	1551
Wagner, Edward, et al. (See Enz, William J., assignor.)						
Wagner, Edward, assignor to Model Bottling Machinery Company, St. Louis, Mo. Pasteurizing beer	768,550	Aug. 23	4940	1034	111	2193
Wagner, Edward H. (See Hufnagel, Karl, assignor.)						
Wagner Electric Manufacturing Company. (See Bryson, James H., assignor.)						
Wagner, Emil L., Aberdeen, S. D. Pulley	750,920	Feb. 2	265	61, 62	108	1116
Wagner, Frank P. (See Nickels, Matthew, assignor.)						
Wagner, Franz X., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Typing machine	751,579	Feb. 9	1473	334	108	1391
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter holder	751,580	Feb. 9	1474	334	108	1391
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Paper-guide for type-writing machines	762,131	Feb. 16	2528	563	108	1638
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter construction	758,197	Apr. 26	3058	859	109	2245
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Escapement mechanism for type-writers	759,780	May 10	2406	503	110	561
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing mechanism for type-writers	763,083	June 21	2912	628	110	2110
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon-reverse mechanism for type-writers	763,224	June 21	3191	688	110	2174
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Universal-bar mechanism for type-writers or like machines	763,528	June 28	3788	818	110	2323
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Carriage mechanism for type-writers	763,529	June 28	3790	819	110	2323
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon mechanism for type-writers	763,938	June 28	4584	1002	110	2493
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Shift-key mechanism	766,299	Aug. 2	326	67	111	1112
Wagner, Franz X., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine	774,924	Nov. 15	2727	555	113	644
Wagner, Franz X., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar for type-writers or like machines	774,925	Nov. 15	2733	586	113	146
Wagner, Herbert L., assignor to E. E. Wagner, Toronto, Canada. Band-fastener	766,920	Aug. 9	1633	344	111	1423
Wagner, James O., West Somerville, Mass. Scraper	762,963	June 21	2687	582	110	2061

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Wagner, John, assignor of one-half to G. H. A. Kohler, New York, N. Y. Bottle.....	749,117	Jan. 5	1141	242	108	293
Wagner, Leo J., Sharpsburg, Pa. Rail.....	771,287	Oct. 4	129	29	112	990
Wagner, Leo J., Sharpsburg, Pa. Rail-joint.....	771,288	Oct. 4	130	29	112	990
Wagner Manufacturing Company. (See Wagner, Adam, assignor.)						
Wagner Mfg. Co. (See Fegert, Edward, assignor.)						
Wagner, Oscar E. (See Wagner, Charles A., assignor.)						
Wagner-Palmros Manufacturing Company. (See Damron, Carson W., assignor.)						
Wagner-Palmros Mfg. Co. (See Palmros, Alexander, assignor.)						
Wagner, Paul A., Carlstadt, N. J. Loom-harness.....	771,342	Oct. 4	237	53	112	1011
Wagner, Paul A., Carlstadt, N. J. Screw-driver.....	772,533	Oct. 18	2790	64	112	1599
Wagner, Peter, North Braddock, Pa. Steel car.....	754,735	Mar. 15	3038	663	109	598
Wagner, Peter F., Garfield, Ohio. Ladder.....	769,419	Sept. 6	554	121	112	125
Wagner, Richard J., assignor to Wagner Spring Bed Manufacturing Company, Holyoke, Mass. Couch-bed.....	775,876	Nov. 22	4731	1001	113	1116
Wagner, Robert C., and C. Cotton, assignors of one-third to E. W. Gaver, Pittsburg, Pa. Stereoscope.....	770,705	Sept. 20	2985	634	112	706
Wagner Spring Bed Manufacturing Company. (See Wagner, Richard J., assignor.)						
Wagner, William F., New York, N. Y. Electric hammer.....	778,206	Dec. 20	3446	758	113	2200
Wagner, William T., et al. (See Enz, William J., assignor.)						
Wagniere, August, and G. Van Alstyne, Los Angeles, Cal. Combination-tool.....	761,272	May 31	5379	1144	110	1264
Wagoner, Emmet W. (See Green and Wagoner.)						
Wagoner, William H., and J. Adams, Monesson, Pa. Wrench.....	761,431	May 31	5686	1210	110	1383
Wagor, David, Syracuse, N. Y. Marking-gage.....	751,763	Feb. 9	1812	413	108	1460
Wahl, Frank S., Buffalo, N. Y. Controlling mechanism for electric vehicles.....	751,581	Feb. 9	1475	335	108	1392
Wahl, Frank S., assignor of one-half to A. W. Horn, Buffalo, N. Y. Switch mechanism for electric signs.....	758,342	Apr. 26	4268	917	109	2313
Wahl, Jules R. (See Chavez, Juan B., assignor.)						
Wahle, Adolph, Davenport, Iowa. Mechanical movement.....	759,648	May 10	2163	445	110	507
Wahle, Adolph, Davenport, Iowa. Stirrer-head for washing-machines.....	760,500	May 24	3804	806	110	907
Wahlb, Walter E., Fairview, Utah. Shears.....	778,089	Dec. 20	3222	710	113	2154
Wahlström, August, Hønefoss, Norway. Means for refining wood-pulp or cellulose.....	771,403	Oct. 4	320	83	112	1037
Wahlström, Gustaf, Des Moines, Iowa. Window frame and sash.....	761,733	June 7	219	42	110	1486
Wahlström, Johan E., Sundsvall, Sweden. Wheel for cycles or other vehicles.....	763,576	June 28	3882	841	110	2343
Wahlström, Verner J., Brooklyn, N. Y. Coupling.....	771,951	Oct. 11	1474	334	112	1286
Wald, James M., Unadilla, Ind. Tag or label holder.....	756,301	Apr. 5	218	45	109	1391
Waldenschlager, Quirin M., Seifriedsburg, Germany. Apparatus for warming key-boards of organs.....	757,075	Apr. 12	1713	372	109	1722
Wainwright, Claude B., Vancouver, Canada. Centerboard.....	761,115	May 31	5080	1079	110	1199
Wait, Walter S. (See Cartwright, David J., assignor.)						
Waite, Charles N., Lansdowne, Pa. assignor to General Artificial Silk Company. Manu- facture of filaments or films from viscose.....	759,332	May 10	1543	-----	110	371
Waite, Enoch, Franklin, Mass. Paper-making machine.....	768,353	Aug. 23	4518	950	111	2096
Waite Gas Engine Company. (See Waite, Harry C., assignor.)						
Waite, Gilman. (See Washburn, Theodore W., assignor.)						
Waite, Guy B., New York, N. Y. Fireproof building structure.....	755,336	Mar. 22	4158	919	109	957
Waite, Guy B., New York, N. Y. Wall structure.....	770,616	Sept. 20	2810	597	112	687
Waite, Guy B., New York, N. Y. Extensible centering-support.....	770,617	Sept. 20	2811	597	112	668
Waite, Guy B., New York, N. Y. Extensible centering-support.....	770,618	Sept. 20	2813	598	112	668
Waite, Harry C., assignor to Waite Gas Engine Company, Milwaukee, Wis. Internal- combustion engine.....	768,819	June 28	4359	947	110	2444
Waite, Harry F. (See Waite, Henry E. and H. F.)						
Waite, Henry E., Newton, Mass. Mail-marking apparatus.....	752,132	Feb. 16	2530	563	108	1639
Waite, Henry E. and H. F., New York, N. Y. Plate for static machines.....	770,133	Sept. 13	1870	398	112	438
Waite, Irving O. (See Nichols, Thomas, assignor.)						
Waite, Joseph, et al. (See Copeman, Thora, assignor.)						
Waite, Ralph B. (See Spencer, Samuel E., assignor.)						
Waite, Ralph B., Springfield, N. Y. Combination-lock for umbrellas.....	752,489	Feb. 16	3210	717	108	1789
Watzfelder, Albert S., assignor to Kursesheet Manufacturing Company, New York, N. Y. Ornamental fabric.....	757,851	Apr. 19	3380	710	109	2076
Wakefield, Albert, Bannack, Mont. Projectile.....	772,850	Oct. 18	3284	717	112	1706
Wakefield, Charles L. (See Ball and Wakefield.)						
Wakefield, Edwin A., and G. W. Morse, Mechanic Falls, Me. Trolley-pole.....	756,547	Apr. 5	692	149	109	1459
Wakefield, Ernest, Mount Pleasant, Pa. Tailor's measure.....	765,407	July 19	3014	631	111	688
Wakefield, Harry U., Cornersville, Tenn. Harrow or cultivator.....	770,992	Sept. 27	3554	749	112	852
Wakefield, John P., Winthrop, assignor to G. B. Lombard, Boston, Mass. Fastener for shoe-soles.....	777,453	Dec. 13	1933	427	113	1870
Wakefield, Ralph J., Glenville, Ohio. Nest.....	770,547	Sept. 20	2692	569	112	641
Wakefield, William O. (See Upp and Wakefield.)						
Wakiles, D. D., et al. (See White, Walter S., assignor.)						
Walberg, Gust, Minneapolis, Minn. Railway-tie.....	754,176	Mar. 8	1891	421	109	434
Walbridge, Frank C., assignor to F. J. Nelson, Hornellsville, N. Y. Door or window trimming.....	749,118	Jan. 5	1142	242	108	264
Walbridge, Henry B., Washington, D. C. Railway system.....	751,893	Feb. 9	3040	463	108	1519
Walch, Gustav, Wiesbaden, Germany. Lubricator.....	774,960	Nov. 15	2788	596	113	657
Walcott, Erastus L., Quincy, Ill., assignor to Modern Iron Works. Boiler-stand.....	770,406	Sept. 20	2415	510	112	580
Waldbaur, Adolf, Stuttgart, Germany. Heating liquids.....	775,788	Nov. 22	4568	968	113	1082
Waldeck, Siegfried. (See Manahan and Waldeck.)						
Waldeck, Siegfried, New York, N. Y. Box for holding phonographic records.....	762,214	June 7	1137	244	110	1687
Walden, Frederick E. (See Hammond and Walden.)						
Walden, Frederick E., Worcester, assignor to Bay State Tool Company, Boston, Mass. Wrench or the like.....	761,798	June 7	375	76	110	1533
Walden, Frederick E., Worcester, assignor to Bay State Tool Company, Boston, Mass. Punch or the like.....	763,225	June 21	3193	689	110	2174
Walden, Frederick E., Worcester, assignor of one-half to F. Tudor, Boston, Mass. Vise or the like.....	763,226	June 21	3194	689	110	2174
Walden, Frederick E., Worcester, assignor of one-half to F. Tudor, Boston, Mass. Wrench or the like.....	763,227	June 21	3196	689	110	2175
Walden, Henry A., Boone, Iowa. Smoke-stack for locomotive-engine houses.....	756,440	Apr. 5	506	105	109	1450
Walden, Howard de, and H. Knudsen, London, England. Aerial vessel.....	769,084	Aug. 30	5954	1246	111	2438
Waldmann, Henry C., assignor to Columbia Pottery and Manufacturing Company, Ko- komo, Ind. Water-closet.....	769,520	Sept. 6	750	162	112	170

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Waldo, Charles, <i>et al.</i> (See Couch, Charles A., assignor.)						
Waldon, James C., Sharpsburg, assignor of one-fourth to J. J. Forster, Avalon, Pa. Circuit-changer	776,970	Dec. 6	1022	219	113	1654
Waldo, James C., Sharpsburg, assignor of one-fourth to J. J. Forster, Avalon, Pa. Electric make-and-break mechanism	777,164	Dec. 13	1387	306	113	1751
Waldron, Floyd L., Ceylon, Ohio. Box-fastener	759,649	May 10	2165	445	110	508
Waldron, Franklin C., New York, N. Y. Wrapping-machine	759,606	July 19	3400	717	111	771
Waldron, L. G. (See Hemmenway, Eugene S., assignor.)						
Wales, Charles, Detroit, Mich., assignor to Adder Machine Company. Handle-retarding mechanism for calculating-machines	759,944	May 17	2725	572	110	647
Wales, Charles, Detroit, Mich., assignor to Adder Machine Company. Correcting mechanism for adding-machines	768,097	Aug. 23	4031	848	111	1990
Wales, Robert, Dunedin, New Zealand. Arm adjustment for miter-cutting machines	752,730	Feb. 23	3698	825	108	1915
Wales, Samuel S. (See Stevens and Wales.)						
Wales, Samuel S., Munnhall, Pa. Flexible electric heater	774,623	Nov. 8	2076	452	113	476
Walheinke, Herman, West Hoboken, N. J. Railway signal apparatus	776,629	Dec. 6	325	70, 71	113	1501
Walker, Albert E., A., and G., Norwood Green, near Halifax, England. Shuttle-box for looms	761,617	May 31	6017	1291	110	1407
Walker, Alexander, assignor to What Cheer Drill & Miners Tool Co., Whatcheer, Iowa. Mining-drill for coal or rock	752,490	Feb. 16	3212	717	108	1789
Walker, Arthur. (See Walker, Albert E., A., and G.)						
Walker, Arthur E., London, England. Cabinet or index file	763,704	June 28	4132	900	110	2397
Walker, Benjamin, Jr., Austin, Tex. Flushing-tank	758,396	Apr. 26	4359	937	109	2332
Walker, Benjamin, Jr., Austin, Tex. Flushing-tank	763,228	June 21	3197	689	110	2175
Walker, Charles, Chicago, Ill., assignor to Liberty Association, Washington, D. C. Cream-separator	777,646	Dec. 13	2331	511	113	1954
Walker, Charles G., Roulancy, Vt. Rub-roller for vehicles	769,881	Sept. 13	1415	201	112	338
Walker, Clinton L., Minneapolis, Minn. Timber-estimating device	753,940	Mar. 8	1455	327	109	335
Walker, Charles L., Harrow, England. Thermostat	768,098	Aug. 23	4033	849	111	1990
Walker, Charles W., Bridgeport, Conn., assignor to Yost Writing Machine Company, Hion, N. Y. Type-writing machine	753,017	Feb. 23	4279	953	108	2045
Walker, Chauncey L. S., and E. C., Newark, N. J. Automatic car-register	760,284	May 17	3394	715	110	798
Walker, Edward M. (See Robinson and Viele, assignors.)						
Walker, Edwin, Erie, Pa. Cigar-tip cutter	753,941	Mar. 8	1456	327	109	336
Walker, Edwin, Erie, Pa. Bottle-tap	757,794	Apr. 19	3180	690	109	2056
Walker, Edwin E., J. M. Mottern, and G. M. Gould, Rockford, Wash. Pump	767,092	Aug. 9	1982	413	111	1501
Walker, Elmer W. (See Dyke, Eustace W., assignor.)						
Walker, Enos L., St. Louis, Mo. Detachable basket-handle	763,577	June 28	3885	841	110	2344
Walker, Enos L., St. Louis, Mo. Grape-basket	763,578	June 28	3886	842	110	2344
Walker, Enos L., St. Louis, Mo. Folding crate for berry-boxes, &c	763,579	June 28	3887	843	110	2344
Walker, Enos L., St. Louis, Mo. Basket	763,580	June 28	3889	843	110	2344
Walker, Enos L., St. Louis, Mo. Knockdown fruit-package	767,613	Aug. 16	3005	627	111	1743
Walker, Ezra C. (See Walker, Chauncey L. S., and E. C.)						
Walker, Frederick G., assignor of one-half to K. R. Taylor, Cleveland, Ohio. Means for movably contacting electrical conductors	761,928	June 7	630	127	110	1579
Walker, George. (See Walker, Albert E., A., and G.)						
Walker, George, New Britain, Conn. Nail-puller	760,715	May 24	4246	902	110	1003
Walker, George, Newark, N. J., assignor to Rubber and Celluloid Harness Trimming Co. Draft-eye	778,288	Dec. 27	3622	791	113	2257
Walker, George B., Lemoyne, assignor of three-fourths to J. E. Hertzler, Mechanicsburg, R. L. Myers, Campbell, and W. J. Lesure, Harrisburg, Pa. Welding-machine	769,121	Aug. 30	6120	1279	111	2474
Walker, Harry B., Brockton, Mass. Shoe last or form	759,333	May 10	1544	310	110	371
Walker, Hugh D., Preston, Canada. Seat for agricultural machines	773,693	Nov. 1	310	68	113	74
Walker, Irving H., Leroy, N. Y. Packing or cushion for shipping purposes	768,494	Aug. 23	4826	1011	111	2169
Walker, James F., Lowell, Mass., assignor to Crompton & Knowles Loom Works. Spooler for moquette or other pile-fabric looms	758,028	Apr. 19	3625	784	109	2153
Walker, James G. (See Dalton and Walker.)						
Walker, James M., Bigvalley, Tex. Rail-joint	773,611	Nov. 1	144	31	113	38
Walker, James S., Anderson, Cal. Traction-vehicle	762,781	June 14	2313	505	110	1957
Walker, James W., Willow, Ind. Pipe-puller	767,782	Aug. 16	3294	696	111	1808
Walker, Janet, Brisbane, Queensland, Australia. Garment-form	751,764	Feb. 9	1813	413	108	1460
Walker, Janet, Brisbane, Queensland, Australia. Dress-stand figure	774,370	Nov. 8	1604	345	113	378
Walker, John, <i>et al.</i> (See Osten, James H., assignor.)						
Walker, John H., Lexington, Ky. Trolley	761,564	May 31	5917	1268	110	1384
Walker, John H., Lexington, Ky. Trolley mechanism	761,565	May 31	5919	1269	110	1385
Walker, John H., Lexington, Ky. Trolley	761,566	May 31	5921	1269	110	1386
Walker, John H., Lexington, Ky. Trolley	761,567	May 31	5923	1269	110	1386
Walker, Oakley S., Worcester, Mass. Grinding-machine	756,302	Apr. 5	218	45	109	1391
Walker, Owen M., Willow, Ind. Rail-joint	757,795	Apr. 19	3181	690	109	2056
Walker, Robert, London, England. Strengtheners for vulcanite artificial-teeth bases	751,582	Feb. 9	1477	335	108	1392
Walker, Robert, New York, N. Y. Dental separator	777,821	Dec. 20	2680	589	113	2044
Walker, Robert, assignor to C. A. Sykes, New York, N. Y. Dental mouth-mirror	761,273	May 31	5383	1144	110	1364
Walker, Samuel, Brooklyn, N. Y. Bundle-tie	768,250	Aug. 23	4327	911	111	2054
Walker, Silas S., assignor of one-half to C. C. Cloe, Indianapolis, Ind. Storage and display counter for stores	776,707	Dec. 6	479	106	113	1533
Walker, Willard R., Syracuse, N. Y. Nut and bolt lock	761,274	May 31	5384	1144	110	1365
Walker, William A., Baltimore, Md. Bushing for top heads of air-pumps	758,099	Aug. 23	4033	849	111	1990
Walker, William H., Newton, Mass. Cellulose acetate	774,713	Nov. 8	2351	513	113	515
Walker, William H., Newton, Mass. Cellulose acetate	774,714	Nov. 8	2352	513	113	516
Walker, William J., assignor to Chicago Folding Box Company, Chicago, Ill. Box	770,946	Sept. 27	3469	732	112	833
Walker, William R., Fort Smith, Ark. Apparatus for sawing wood	756,917	Apr. 12	1400	311	109	1657
Walkinshaw, David W., <i>et al.</i> (See Tower, William G., assignor.)						
Walkley, James A., assignor to C. A. Hammel, Los Angeles, Cal. Hydrocarbon-burner	748,897	Jan. 5	656	146	108	147
Wall, Charles F., Philadelphia, Pa. Nose-piece for eyeglasses	751,330	Feb. 2	845	193	108	1237
Wall, Enos A., <i>et al.</i> (See Benis, Frederick H., assignor.)						
Wall, Enos A., Salt Lake City, Utah. Ore-crushing mill	755,725	Mar. 29	4897	1090	109	1135

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Wall, Enos A., Salt Lake City, Utah. Ore washing or concentrating machine.	771,107	Sept. 27	3786	799	112	902
Wall, John C. (See Merritt and Wall.)						
Wall, Patrick. (See Fuscner, Jesse L., assignor.)						
Wall, Robert, Saginaw, Mich. Vehicle-curtain.	765,693	July 26	3594	764	111	827
Wall, William J. (See Bain, Eugene C., assignor.)						
Wallace, Charles, Denver, Colo. Rock-crusher.	773,107	Oct. 25	3985	886	112	1874
Wallace, Charles M. (See Root and Wallace.)						
Wallace, Clarence G., Kiowa, Colo. Trace-carrier.	761,116	May 31	5081	1079	110	1200
Wallace, George K., et al. (See Mohlenhoff, Hermann J., assignor.)						
Wallace, James, and W. H. Taylor, Providence, R. I. assignors, by mesne assignments, to said Wallace. Snap-hook for job-stays.	768,921	Aug. 30	5726	1203	111	2387
Wallace, John W., Brooklyn, N. Y. Tank.	735,971	Mar. 29	5392	1191	109	1247
Wallace, Levi. (See Chapman, George F., assignor.)						
Wallace, Lewis, Crawfordsville, Ind. Apparatus for molding blocks for fence-posts.	761,275	May 31	5385	1145 1146	110	1265
Wallace, Luther, Southport, Ind. Device for holding paint-buckets in permanent position on the roofs of buildings.	753,942	Mar. 8	1458	328	109	336
Wallace, Robert A., Chicago, Ill. Memorandum-book.	776,157	Nov. 29	5301	1113	113	1264
Wallace, Robert V., Alki, Wash. Land-roller.	757,583	Apr. 19	2763	604	109	1965
Wallace, Samuel J., Goshen, assignor of one-half to W. F. Crans, Circleville, N. Y. Well-brake.	756,751	Apr. 5	1069	238	109	1572
Wallace, Samuel T., Los Angeles, Cal. Coffee-mill.	759,781	May 10	2410	504	110	562
Wallace, Samuel T., Los Angeles, Cal. Hoist.	771,108	Sept. 27	3789	800	112	902
Wallace, Thomas. (See Niell, Magnus, assignor.)						
Wallace, Thomas J., Albany, Vt. Stanchion.	770,203	Sept. 13	2014	425	112	469
Wallace, Thomas L., and J. A. Reed, assignors to E. C. Atkins & Company, Indianapolis, Ind. Saw-tooth sharpener.	773,612	Nov. 1	1415	32, 33	113	36
Wallace, Verschoyle A., Guelph, Canada. Hat-brim protector.	762,964	June 21	2658	582	110	2061
Wallace, W. T. (See Daly, Michael J., assignor.)						
Wallace, William H., Whitefield, near Henry, Ill. Coupling.	752,731	Feb. 23	3699	825	108	1915
Wallace, Winfield S., Newhope, Pa. Trousers-stretcher.	770,134	Sept. 13	1872	398	112	438
Wallen, Charles E., Minneapolis, Minn., assignor to N. L. Wallen, Chicago, Ill. Shower-bath apparatus.	776,209	Nov. 29	5401	1145	113	1286
Wallen, Nannie L. (See Wallen, Charles E., assignor.)						
Wallenberg, Gustaf O. (See Ohlsson, Olof, assignor.)						
Waller, Frank E., assignor of one-half to W. H. Neece, Macomb, Ill. Corn-husking device.	770,619	Sept. 20	2815	598	112	668
Waller, Perry J., Los Angeles, Cal. Pump-piston.	770,513	Sept. 20	2621	556	112	625
Waller, William A. C., London, England. Apparatus for the manufacture of cement blocks or slabs.	778,344	Dec. 27	3738	815	113	2281
Walley, Herbert H., North Adams, Mass. Cuff-holder.	768,251	Aug. 23	4390	911	111	2055
Wallin, John E., Tacoma, Wash. Wood-holder.	749,646	Jan. 12	2290	470	108	518
Wallman, Alice A., New York, N. Y. Bulletin-board.	762,666	June 14	2073	449	110	1908
Wallman, Alice A., and A. B. Saliger, New York, N. Y. Bed-vibrator.	761,862	June 7	504	101	110	1552
Wallmann Engine Company. (See Wallmann, Henning F., assignor.)						
Wallmann, Henning F., Chicago, Ill. Combined internal-combustion and air engine.	776,289	Dec. 27	3624	791 792	113	2257
Wallmann, Henning F., Chicago, Ill., assignor to Wallmann Engine Company. Means for superheating steam.	748,822	Jan. 5	502	113 114	108	114
Wallwork, Roughsedge, Manchester, England. Protective cover for tires.	776,570	Dec. 6	209	47	113	1474
Wallwork, Samuel, Brockwayville, Pa. Rail-splice.	776,098	Nov. 29	5192	1096 1097	113	1238
Walrath, Edward, Lafargeville, N. Y. Dumping-rake.	760,666	May 24	4145	881	110	981
Walrath, John H., Milwaukee, Wis. Fire-extinguishing device.	750,416	Jan. 26	3701	803	108	874
Walsburger, John A., Louisville, Ky. Combined chair or sofa and couch.	778,290	Dec. 27	3630	792	113	2259
Walsh, Frank L., Long Lake, Minn. Mail-box.	768,100	Aug. 23	4034	849	111	1991
Walsh, Harry C. H., assignor to Consolidated Press and Tool Company, Chicago, Ill. Die-press.	770,666	Sept. 20	2913	619	112	692
Walsh, James, Holyoke, Mass. Paper-machine.	768,834	Aug. 30	5550	1167	111	2345
Walsh, James A., Helena, Mont. Envelop.	753,943	Mar. 8	1459	325	109	336
Walsh, James A., Indianapolis, Ind. Blotter-holder.	763,646	June 28	4007	874	110	2369
Walsh, James A., and E. Bretney, Indianapolis, Ind. Pneumatic straw-stacker.	758,606	Apr. 26	4784	1029 1030	109	2428
Walsh, James D., St. Louis, Mo. Pleasure-car.	773,613	Nov. 1	148	33	113	38
Walsh, James R., assignor of one-half to R. G. Ross, Jacksonville, Fla. Bowling-alley.	732,133	Feb. 16	2533	564	108	1639
Walsh, John, Northfield, assignor of one-half to J. H. Daunt, Minneapolis, Minn. Cultivator-cleaver.	765,448	July 19	3104	650	111	708
Walsh, John D., assignor to American District Steam Company, Lockport, N. Y. Steam-trap.	759,144	May 3	1092	222	110	248
Walsh, John D., assignor to American District Steam Company, Lockport, N. Y. Pipe-coupling.	776,971	Dec. 6	1023	219	113	1654
Walsh, John H., Mason City, Nebr. Dust-collector.	735,262	Mar. 22	4012	889 890	109	925
Walsh, John J. (See Fuller and Walsh.)						
Walsh, John R., Boston, assignor of one-half to H. T. Gould, Lexington, Mass. Automatic signal system.	777,760	Dec. 20	2533	561	113	2015
Walsh Manufacturing Company. (See Williams, Charles P., assignor.)						
Walsh, Owen, New York, N. Y. Curling-iron heater.	749,647	Jan. 12	2231	470	108	518
Walsh, Patrick H., assignor of one-half to P. J. Sloan, Bayonne, N. J. Measuring instrument.	761,022	May 24	4487	1034	110	1138
Walsh, Patrick H., New York, N. Y. Level.	777,105	Dec. 13	1389	307	113	1751
Walsh, Ralph, Washington, D. C. Hypodermic syringe.	766,203	Aug. 2	108	20	111	1065
Walsh, Ralph, Washington, D. C. Hypodermic syringe.	760,204	Aug. 2	109	20	111	1065
Walsh, Robert A. B., assignor to Mississippi Glass Company, St. Louis, Mo. Machine for forming sheet-glass.	760,667	May 24	4147	881	110	981
Walsh, Robert A. B., assignor to Mississippi Glass Company, St. Louis, Mo. Machine for forming sheet-glass.	760,668	May 24	4148	881	110	981
Walsh, Robert A. B., assignor to Mississippi Glass Company, St. Louis, Mo. Making wired glass.	776,158	Nov. 29	5903	1122	113	1264
Walsh, Thomas J., Brooklyn, assignor to Barberie Locomotive Appliance Company, New York, N. Y. Safety apparatus for locomotives.	772,444	Oct. 18	2493	545 546	112	1536
Walsh, William E., Morris, Ill. Furnace.	767,783	Aug. 16	3295	696	111	1808
Walsh, William E., Morris, Ill. Furnace.	777,454	Dec. 13	1934	428	113	1871

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Walsh, William F., Boone, Iowa. Headlight	758,723	May 3	280	56	110	72
Walter, Charles J. (See Cooke, Daniel S., assignor.)						
Walter, David G. (See Brumbaugh, Freeman G., assignor.)						
Walter, Edward, assignor of three-fourths to W. C. Gaston, H. L. Sneed, and M. F. Courtney, Keytesville, Mo. Buggy-top attachment	757,161	Apr. 12	1901	415	109	1765
Walter, Edwin L., Scranton, Pa. Regular self-closing faucet	749,910	Jan. 19	2735	591	108	650
Walter, Edwin L., Scranton, Pa. Cock or faucet	769,581	Sept. 6	739	163	112	171
Walter, Frank, Cleveland, Ohio. Automobile sled	778,159	Dec. 30	3362	738	113	2184
Walter, Harrison B., Danville, Ill. Lock-hinge	769,035	Aug. 30	5956	1247	111	2438
Walter, John, Detroit, Mich. Imitation wood-carving	777,647	Dec. 13	2332		113	1954
Walter, John J., Philadelphia, Pa. Clothes-line reel	777,822	Dec. 30	2681	590	113	2044
Walter, John P., Baltimore, Md. Music-holder	754,048	May 3	616	186	110	210
Walter, Lee W., assignor of one-half to L. F. Haller, Wheeling, W. Va. Sampling-tube	766,205	Aug. 2	111	20	111	1066
Walter, Otto H. F. C., assignor to Pflüger Accumulatoren-Werke, A. G., Berlin, Germany. Secondary battery	766,078	July 26	4346	933	111	984
Walter, Paul (See Roehm and Walter.)						
Walter, Robert H., assignor of one-half to S. L. Kistler, Los Angeles, Cal. Acetylene-gas burner	772,594	Oct. 18	2791	615	112	1600
Walter, William H., assignor to F. G. Kammerer, Chicago, Ill. Rinsing device	763,647	June 28	4008	874	110	2369
Walter, William W., Aurora, assignor of one-third to J. D. Miller, Geneva, Ill. Vehicle air-brake	761,618	May 31	6019	1292	110	1468
Walters, Calvin H., Springfield, Mo. Cotton-chopper	755,337	Mar. 22	4160	919	109	957
Walters, David T., and H. G. Prichard, Goldbar, Wash. Snatch-block	770,514	Sept. 20	2822	556	112	625
Walters, H. H. (See Nilson and Hagemeister, assignors.)						
Walters, Julius W., New York, N. Y. Motor-wheel for vehicles	751,231	Feb. 2	845	193	108	1237
Walters, Robert H., Los Angeles, Cal. Acetylene-gas machine	766,475	Aug. 2	684	144	111	1189
Walters, S. C. (See Tuttle, Homer, assignor.)						
Walters, Thomas, <i>et al.</i> (See Griffin, George P., assignor.)						
Walters, William J. H., Syracuse, N. Y. Shampooing-hood	772,763	Oct. 18	3135	683	112	1672
Walshall, John, Israel, Tex. Cotton chopper and cultivator	765,056	July 12	2354	488	111	529
Walther, Andrew, <i>et al.</i> (See Walther, Jacob, assignor.)						
Walther, Franz K., Berlin, Germany. Heat-protector for animals	750,505	Jan. 26	3877	841	108	912
Walther, Herman, Washington, Iowa. Valve mechanism	769,036	Aug. 30	5957	1248	111	2439
Walther, Jacob, assignor of three-fourths to A. Walther, T. J. Harper, and J. Willoughby, Winnipeg, Canada. Automatic railway-gate	762,457	June 14	1646	355	110	1816
Walther, Paul, Chicago, Ill. Composition for artificial stone	763,130	June 21	2992		110	2127
Walton, Allyn B., assignor to National Vapor Stove & Mfg. Co., Lorain, Ohio. Electrical regulating mechanism	761,117	May 31	5082	1079	110	1200
Walton, George A. (See Peard, Benjamin S., assignor.)						
Walton, George B. (See Livise, Thomas J., assignor.)						
Walton, George B., <i>et al.</i> (See Entenken, John C., assignor.)						
Walton, Joseph O., Boston, Mass. Block and tackle	756,746	Apr. 5	1063	237	109	1570
Walton, Joseph O., Boston, Mass. Self-locking tackle-block	756,747	Apr. 5	1064	237	109	1571
Walton, Louis W. (See Norris and Walton.)						
Walton, R. M. (See Sanger, Philip H., assignor.)						
Walton, William, Atlantic City, N. J. Animal-trap	764,085	July 5	352	68	111	77
Walworth & Neville Manufacturing Company (See Mills, Oliver S., assignor.)						
Walz, Adolph F., and M. Doherty, Troy, N. Y., assignors to said Walz. Heating apparatus	763,705	June 28	4134	901	110	2397
Walz, John, St. Paul, Minn. Winding indicator for watches	752,937	Feb. 23	4127	919	108	2010
Wambagans, Jacob, assignor of one-half to C. C. Hecht, Peoria, Ill. Fly-net holder	770,204	Sept. 13	2015	425	112	469
Wampler, Luther, Pittsburg, Pa. Street-car stop-register	760,166	May 17	3189	668	110	732
Wampler, Luther, Pittsburg, Pa. Non-refillable bottle	777,455	Dec. 13	1937	428	113	1871
Wandel, Charles, Decatur, Ill. Ladder attachment	774,009	Nov. 1	949	197	113	216
Wanderer Fahrradwerke, vorm. Winkhofer & Jaenicke, A. G. (See Mohns, Carl J., assignor.)						
Wands, John C. (See Scott, William H., assignor.)						
Wands, John C., St. Louis, Mo. Air-brake controller	733,648	Mar. 1	822	183	109	179
Wands, John C., St. Louis, Mo. Air-brake controller	753,649	Mar. 1	824	184	109	179
Wands, John C., St. Louis, Mo. Air-brake controller	733,650	Mar. 1	825	185	109	179
Wands, John C., St. Louis, Mo. Rocker side-bearing truck	733,766	Mar. 1	1055	241	109	227
Wands, John C., St. Louis, Mo. Roller side-bearing truck	733,767	Mar. 1	1056	241	109	227
Wands, John C., St. Louis, Mo. Car-door fastener	777,456	Dec. 13	1937	428	113	1872
Wands, John C., St. Louis, Mo. Car-truck	777,574	Dec. 13	2188	480	113	1924
Wands, John C., St. Louis, Mo. Car-truck	777,575	Dec. 13	2188	481	113	1925
Wang, Edward J., Christiania, Norway. Harvesting-machine	753,768	Mar. 1	1057	242	109	227
Waniger, Julius T. (See Nash and Waniger.)						
Wanous, Ernest Z., Minneapolis, Minn. Envelop	763,944	June 28	4506	1004	110	2495
Wansbrough, William H., South Bend, Ind. Means for connecting running-gears to hicle-bodies	758,878	May 3	607	130	110	144
Wansbrough, William H., South Bend, Ind. Attachment for vehicles	763,530	June 28	3792	820	110	2323
Wantling, Isaac, assignor to Wantlings Favorite Coal Drill Co., Peoria, Ill. Auger-winding machine	777,576	Dec. 13	2190	481	113	1925
Wantlings Favorite Coal Drill Co. (See Wantling, Isaac, assignor.)						
Wantz, Julius B., assignor to Victor Electric Company, Chicago, Ill. Massaging implement	751,031	Feb. 2	460	108	108	1159
Wappler, Frederick H. (See Boehm and Wappler.)						
Wappler, Frederick H. (See Wappler, Reinhold H. and F. H.)						
Wappler, Reinhold H. and F. H., New York, N. Y. Battery-case	777,457	Dec. 13	1938	428	113	1872
Ward, Albert G. (See Schwarz and Ward.)						
Ward, Albert M., assignor to G. Johnston, Detroit, Mich. Screw-lock for eyeglasses	776,571	Dec. 6	210	47	113	1474
Ward, Albert M., assignor to G. Johnston, Detroit, Mich. Screw-lock for eyeglasses	776,818	Dec. 6	708	157	113	1588
Ward, Alexander F., Memphis, Tenn. Machine for pointing and lapping hoops	774,216	Nov. 8	1327	283	113	317
Ward, Ambrose P., Central City, Iowa. Button	748,673	Jan. 5	223	53	108	49
Ward, Arthur, assignor to Electric Thermo-Vibra Co., Philadelphia, Pa. Massage apparatus	756,441	Apr. 5	597	105	109	1450
Ward, Arthur P., New York, N. Y. Toy	753,335	Mar. 1	216	49	109	49
Ward, Charles C., Boston, Mass. Tension-adjuster for piano-keys	774,961	Nov. 15	2789	597	113	658
Ward, Charles H., assignor to T. B. Taylor, Jackson, Mich. Fishing hook and gaff	755,726	Mar. 29	4900	1091	109	1135

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Ward, Daniel O. (See Weber, William, assignor.)						
Ward, Daniel O., Oak Park, Ill. Sole-plate or rail-chair	772,545	Oct. 18	2693	591	112	1578
Ward, Daniel O., Oak Park, Ill., assignor to Weber Railway Joint Manufacturing Company, Rail-point	775,954	Nov. 29	4909	1038	113	1173
Ward, Edward, assignor of one-half to H. Crowther, Shelton, Conn. Envelop-moistener	771,888	Oct. 11	1387	303	112	1259
Ward, Frank D. (See Jones, Harry, assignor.)						
Ward, Frederick H. (See Alexander, Jesse, assignor.)						
Ward, Frederick S., New Haven, Conn. Eyeglasses	772,196	Oct. 11	1994	439	112	1402
Ward, George, Homestead, assignor of one-fourth to T. J. Tierney, Pittsburg, Pa. Portable carrying-table	778,613	Dec. 27	4266	931	113	2395
Ward, George A., New York, N. Y., assignor to Electric Vehicle Company, Jersey City, N. J. Positioning apparatus for vehicles	755,087	Mar. 22	3698	811	109	861
Ward, George H., Brooklyn, N. Y. Feed-water filter	760,300	Aug. 2	328	812	111	1113
Ward, Godfrey, Birmingham, England. Expansion or movable bearings for bridge or other structures	776,572	Dec. 6	212	47	113	1475
Ward, John L., Ord, Nebr. Thermostat	751,362	Feb. 2	1091	247	108	1290
Ward, Joseph, Wellston, Ohio. Display-sign	776,278	Nov. 29	5532	1172	113	1316
Ward, Joseph, assignor of one-half to A. E. Woodrow, Wellston, Ohio. Display-sign	750,137	Jan. 19	3191	686	108	742
Ward, Louis J. and L. U., Olex, Oreg. Weeder and cultivator	759,782	May 10	2411	504	110	562
Ward, Lowell U. (See Ward, Louis J. and L. U.)						
Ward, Perry L., Victoria, Tex. Pump	776,573	Dec. 6	213	47	113	1475
Ward, Willard P., New York, N. Y. Safety appliance for elevators or mining-cages	766,404	Aug. 2	524	111	111	1155
Ward, William G., Bradock, Pa. Hydraulic valve	749,005	Jan. 5	901	191	108	210
Wardall, James (See Beeton and Wardall.)						
Warden, Henry, Fredericksburg, Va. Manufacturing building-blocks from material including hydraulic cement	775,588	Nov. 22	4183	882	113	1000
Warder, Bushnell & Glessner Company. (See Burkhardt, Franklin P., assignor.)						
Wardle, William W. (See Keith and Wardle.)						
Wardwell, Frank A., Methuen, Mass. Loom-picker	776,972	Dec. 6	1024	220	113	1654
Wardwell, Simon W. (See Steere and Wardwell.)						
Wardwell, Simon W., Providence, R. I. Yarn-controller	752,813	Feb. 23	3849	863	108	1848
Wardwell, Simon W., Providence, R. I. Winding machine	760,669	May 24	4150	882	110	981
Wardwell, Simon W., Providence, R. I., assignor to Universal Winding Company, Portland, Me. Slub-detector	753,732	Feb. 23	3700	826	108	1915
Wardwell, Simon W., Providence, R. I., assignor to Universal Winding Company, Portland, Me. Stop-motion device	756,303	Apr. 5	321	46	109	1392
Ware, Richard M., assignor of seven-eighths to J. M. Carroll, Stockdale, Tex. Buggy-wrench	770,407	Sept. 20	2416	510	112	580
Ware, Thomas F., Steamboat Springs, Nev. Window-frame	755,419	Mar. 22	4307	953	109	980
Wareham, George W., Pittsburg, Pa. Mattress-filling machine	766,476	Aug. 2	686	141	111	1190
Waring, Arthur B., New York, N. Y. Machine for pouncing and greasing hats	772,073	Oct. 11	1734	386	112	1346
Waring, Pierre C., Yonkers, N. Y. Making felt cloth	762,204	June 7	1536	266	110	1708
Warlick, Bartow A., Atlanta, Ga. Chimney-cowl	760,092	May 17	3023	631	110	716
Warlick, Bartow A. and A. S. Bucher, Atlanta, Ga. Acetylene-gas generator	777,356	Dec. 13	1755	390	113	1831
Warner, Addison L. (See Warner, Oliver W. and A. L.)						
Warner, Albert R., Philadelphia, Pa. Oil-strainer and journal-preserver	769,966	Sept. 13	1576	336	112	372
Warner, Alonzo A. (See Snow and Warner.)						
Warner, Charles F., assignor to F. B. Many, Cleveland, Ohio. Vapor-torch	756,748	Apr. 5	1066	237	109	1571
Warner, Charles F., assignor to F. B. Many, Cleveland, Ohio. Hydrocarbon brazing-furnace	767,509	Apr. 16	2795	584	111	1697
Warner, Charles W., Melrose, Mass. Hay-tedder	757,372	Apr. 12	2314	506	109	1852
Warner, Charles W., Melrose, Mass. Roller for winding	771,755	Oct. 4	1045	282	112	1183
Warner Chemical Company. (See Riddle, Robert N., assignor.)						
Warner, Clarendon G., Holyoke, Mass. Surfacing-wheel	766,079	July 26	4347	933	111	984
Warner, Daniel, Bronson, Mich. Post	760,167	May 17	3189	668	110	752
Warner, Daniel, Bronson, Mich. Post or pole	767,533	Aug. 16	2843	594	111	1707
Warner, Edward D., Ocean City, N. J. Spirit-level	767,188	Aug. 9	2173	453	111	1540
Warner, Ernest P., assignor to Western Electric Company, Chicago, Ill. Fan-motor support	760,591	May 24	3976	845	110	946
Warner, Frederick, Gnadenbutten, Ohio. Hot-air furnace	767,614	Aug. 16	3007	628	111	1744
Warner, Frederick E., assignor to Waterbury Machine Company, Waterbury, Conn. Oiler	762,565	June 14	1887	406	110	1867
Warner Gear Company. (See Warner, Thomas W. and H. L., assignors.)						
Warner, Haskell F. (See Hoover, Samuel B., assignor.)						
Warner, Henry D., New York, N. Y. Folding seat-or settee	766,080	July 26	4349	933	111	985
Warner, Henry H., Tacoma, Wash. Letter-box	757,698	Apr. 19	2960	650	109	2014
Warner, Hugh L. (See Warner, Thomas W. and H. L.)						
Warner, Isaac M., Union City, Mich., assignor to C. F. Smith, Dekalb, Ill. Wire-stretcher	768,232	Aug. 23	4331	911	111	2055
Warner, Isaac M., Union City, Mich., assignor to C. F. Smith, Dekalb, Ill. Fence-post device	769,967	Sept. 13	1577	336	112	372
Warner, Isaac M., Union City, assignor to J. W. McCausey, L. S. Parsons, A. J. Boyer, and W. O. Hugart, Jr., Grand Rapids, Mich. Wire-stretcher	750,417	Jan. 26	3702	803	108	875
Warner, James F., Essex, assignor to George D. Jarvis and Co., Burlington, Vt. Sap-spout	764,324	July 5	894	169	111	184
Warner, Louis P., Rochester, N. Y. Belting and making same	758,286	Apr. 26	4145	895	109	2285
Warner, Martin, Summit Mines, Pa. Rail-joint	757,984	Apr. 19	3536	766	109	2133
Warner, Oliver W. and A. L., Sykesville, Md. Wagon-brake	750,943	May 17	3237	573	110	647
Warner, Thomas A., Cambridge, Mass. Mechanical movement	772,388	Oct. 18	3380	524	112	1511
Warner, Thomas W. and H. L., assignors to Warner Gear Company, Muncie, Ind. Tilting steering-wheel	764,967	July 12	2197	454	111	496
Warner, William A., Bridgeport, Conn. Section for buildings	749,763	Jan. 19	2484	530	108	591
Warner, William A., Bridgeport, Conn. Hermetic casket	749,763	Jan. 19	2485	529	108	591
Warner, William A., assignor to Holmes and Edwards Silver Company, Bridgeport, Conn. Inlating blanks for flat-metal tableware	753,727	Mar. 29	4091	1091	109	1136
Warneck, Charles S., Americus, Ga., assignor of one-half to J. B. De La Garza, Tampico, Mexico. Motor-controlled fan	769,122	Aug. 30	6121	1280	111	2474
Warren, Albert P., assignor of one-half to G. E. Fort, Adairville, Ky. Furnace for burning dirt	756,191	Mar. 29	5775	1276	109	1327
Warren, Aldred K., New York, N. Y. Collector for third-rail systems	761,432	May 31	5687	1210	110	1333
Warren, Alvin O., Allendale, R. I. Detachable foot-rest	770,305	Sept. 13	3016	425	112	470

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Warren, Benjamin H. (See Cheney, Walter L., assignor.)						
Warren Brothers Company. (See Ash, Horace C. W., assignor.)						
Warren Brothers Company of Charleston, West Virginia. (See Schutté, August E., assignor.)						
Warren, Charles, Guelph, Canada, assignor, by mesne assignments, to Artist Piano Player Company. Piano-player	769,852	Sept. 13	1371	293	112	329
Warren, Charles H., Atlanta, Ga., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms	736,442	Apr. 5	510	105	109	1451
Warren, Clinton J., Boston, Mass. Temporary holder for safety-razor blades	778,388	1-ec. 27	3825	835	113	2300
Warren, Earl R., Holyoke, Mass. Trolley-harp	765,449	July 19	3106	650	111	708
Warren, Eddie M., assignor of one-half to A. E. Bradley, Nashville, Tenn. Heating apparatus	749,244	Jan. 12	1410	302	108	343
Warren, Edward C., Philadelphia, Pa. Rotary engine	761,759	June 7	377	76, 77	110	1523
Warren, Edward K., Threeoaks, Mich. Treating quills and product	770,484	Sept. 20	2557	545	112	609
Warren, Edward K., Threeoaks, Mich. Corset-stiffener	771,404	Oct. 4	381	84	112	1038
Warren, Edward K., Threeoaks, Mich. Stiffening material	778,432	Dec. 27	3916	853	113	2320
Warren, Frank W., San Francisco, Cal. Eraser	775,616	Nov. 22	4242	894	113	1013
Warren, Frederick J., Newton, Mass. Asphalt paving-cement	769,123	Aug. 30	6123		111	2475
Warren, Frederick J., Newton, Mass. Street steel pavement or roadway	771,952	Oct. 11	1475	335	112	1287
Warren, Frederick J., Newton, Mass. Pavement or roadway	771,953	Oct. 11	1477	335	112	1287
Warren, Frederick J., Newton, Mass. Street pavement or roadway	771,954	Oct. 11	1477	335	112	1287
Warren, Henry E., Newton, Mass. Mechanism for operating valves or equivalent means of hydraulic apparatus	752,491	Feb. 16	3214	717	108	1789
Warren, Herman W., Sheridan, Ill. Check-row chain	777,458	Dec. 13	1940	429	113	1872
Warren, Hiram C. (See Lippart and Warren.)						
Warren, John D., assignor of one-half to E. Munsell & Co., New York, N. Y. Mica chimney	765,528	July 19	3264	683	111	741
Warren, Marion, assignor to Rochester Bunting Apparatus Company, Rochester, N. Y. Tap for barrels or casks	773,175	Oct. 25	4118	869	112	1914
Warren, Myles Y., Philadelphia, Pa. Rake	730,737	Jan. 26	4346	999	108	1011
Warren, Newton L., Macon, Ga. Steam-boiler	752,492	Feb. 16	3217	718	108	1790
Warren, Newton L., Macon, Ga. Upright boiler	762,106	June 7	944	195	110	1642
Warren Novelty Company. (See Burlington, Lucious D., assignor.)						
Warren Webster and Company. (See Hale, John F., assignor.)						
Warren Webster and Company. (See Hunter, Ernest H., assignor.)						
Warren Webster and Company. (See Osbourn, Millard F., assignor.)						
Warren, William J., Modesto, Cal. Head-gate for irrigating-ditches	769,968	Sept. 13	1579	337	112	372
Warren, Wilson M. See Winegard, Arsy V., assignor.)						
Warrens, Hermann L., East Croydon, England. Time-table appliance and advertising device	752,274	Feb. 16	2807	622	108	1703
Warriner, Robert, London, England. Steam-trap	731,708	Feb. 9	1694	385	108	1437
Warrington, William H., Chicago, Ill. Pile-driver	777,459	Dec. 13	1941	429	113	1873
Warsop, Thomas, Coniston, England. Means for coupling railway wagons, carriages, &c.	751,583	Feb. 9	1470	335	108	1392
Wartman, Otto, Tottenham, England. Cigar-making machine	752,733	Feb. 23	3702	826	108	1916
Warwick, John F., Chicago, Ill. Kilo	749,413	Jan. 12	1764	373	108	419
Wasek, Carl, Paterson, N. J. Water-bicycle boat	764,086	July 5	353	68	111	78
Washburn-Crosby Co. (See Burghardt, Edward H., assignor.)						
Washburn, Edwin C., Minneapolis, Minn. Car-coupling	749,344	Jan. 12	1624	345	108	391
Washburn, Edwin C., Minneapolis, Minn. Car-coupling	749,345	Jan. 12	1627	346	108	392
Washburn, Edwin C., Minneapolis, Minn. Coupling-support	749,346	Jan. 12	1629	346	108	392
Washburn, Edwin C., Minneapolis, Minn. Draft-rigging for cars	753,454	Mar. 1	436	102	109	95
Washburn, Edwin C., Minneapolis, Minn. Draft-coupling for cars	756,918	Apr. 12	1401	311	109	1657
Washburn, Edwin C., Minneapolis, Minn. Draft-rigging	756,919	Apr. 12	1403	312	109	1657
Washburn, Edwin C., Minneapolis, Minn. Metallic truck-bolster	756,920	Apr. 12	1406	313	109	1658
Washburn, Edwin C., Minneapolis, Minn. Lateral-motion car-truck	757,822	Apr. 19	3281	710	109	2076
Washburn, Edwin C., Minneapolis, Minn. Car-coupling	772,445	Oct. 18	2495	546	112	1536
Washburn, Reginald, assignor to Wire Goods Company, Worcester, Mass. Wire coat and hat hook	769,809	Sept. 13	1268	272	112	304
Washburn, Theodore W., assignor to G. Waite, Baldwinville, Mass. Folding chair	749,764	Jan. 19	2986	529	108	591
Washburn, William C., Cincinnati, Ohio. Trolley-guard	765,216	July 19	2640	550	111	608
Washburn, William E., Kewanee, Ill. Urethrotome	763,366	June 14	1455	317	110	1774
Washburne, James V., and G. J. Richard, Waterbury, Conn. Assignors to said Washburne. Fastening device for garments	759,049	May 3	917	186	110	210
Washburne, Lester F., San Francisco, Cal. Feed mechanism for explosive-engines	763,965	June 21	2689	582	110	2061
Washington Camera Company. (See Washington, George, assignor.)						
Washington, David, assignor of two-thirds to J. Navarrete and A. Mathews, Rusk, Tex.	750,138	Jan. 19	3194	686	108	742
Washington, George, Brooklyn, N. Y. Hydrocarbon incandescent lamp	760,610	May 24	4155	882	110	983
Washington, George, Brooklyn, N. Y. Hydrocarbon incandescent lamp	760,671	May 24	4157	883	110	983
Washington, George, Brookingsville, N. Y. Hydrocarbon incandescent lamp	760,672	May 24	4159	883	110	984
Washington, George, New Brighton, N. Y., assignor, by mesne assignments, to J. N. Patterson, Devon, Pa. Hydrocarbon incandescent lamp	770,135	Sept. 13	1574	398	112	439
Washington, George, New Brighton, N. Y., assignor, by mesne assignments, to J. N. Patterson, Devon, Pa. Lamp	770,836	Sept. 27	3261	687	112	785
Washington, George, New York, N. Y., assignor, by mesne assignments, to J. N. Patterson, Devon, Pa. System for lighting hydrocarbon-lamps	777,871	Dec. 20	2797	614	113	2068
Washington, George, Tompkinsville, N. Y., assignor to Washington Camera Company. Photographic camera	778,518	Dec. 27	4085	890	113	2357
Washington, Madison T. B., Chicago, Ill. Cooking utensil	749,414	Jan. 12	1766	374	108	420
Washington, Matthew W., Dunkirk, N. Y. Device for fitting doors	773,176	Oct. 25	4117	869	112	1916
Washington, William H., Coatesville, Pa. Protective covering for pipes, &c.	749,935	Jan. 19	2947	608	108	670
Wasmuth, Carl, Stettin, Germany. Type-writer	758,571	Apr. 26	4174	1011	109	2418
Wassertheurer, George, Chicago, Ill. Fabric-renovating apparatus	763,032	June 21	2804	609	110	2036
Wassmann, August. (See Tuck and Wassmann.)						
Wassmann, August. (See Tuck, Wassmann, and Low.)						
Wassmann, August, Astoria, assignor to A. A. Low, Horseshoe, N. Y. Vaporizer for hydrocarbon-motors	775,321	Nov. 22	3590	759	113	868
Wasson, Charles B., Blackwell, Okla. Ter. Stove-pipe-holder	770,993	Sept. 27	3556	749	112	852
Wasson, Buren S., Chicago, Ill. Tie-plate	776,442	Nov. 29	5848	1236	113	1390

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Wasson, Henry G. (See Crawshaw, Richard, assignor.)						
Watch, Alfred F., Philadelphia, Pa. Illuminant attachment for head-mirrors and laryngoscopes.	769,420	Sept. 6	555	121	112	125
Waterbury Battery Company. (See Schoenmehl, Charles B., assignor.)						
Waterbury Buckle Co. (See Buchanan, John J., assignor.)						
Waterbury Buckle Co. (See Smith, Dwight L., assignor.)						
Waterbury Clock Company. (See Bannalyne, Archibald, assignor.)						
Waterbury Machine Company. (See Kahl, Louis C., assignor.)						
Waterbury Machine Company. (See Kahl, Louis C., assignor.)						
Waterbury Machine Company. (See Warner, Frederick E., assignor.)						
Waterhouse, Addison G., Rockland county, N. Y., assignor to Waterhouse Steam and Vacuum Pump Company. Steam and vacuum pump.	773,903	Nov. 1	741	158	113	170
Waterhouse, Addison G., Rockland county, N. Y., assignor to Waterhouse Steam and Vacuum Pump Company. Steam and vacuum pump.	773,906	Nov. 1	746	158	113	172
Waterhouse, Addison G., Rockland county, N. Y., assignor to Waterhouse Steam and Vacuum Pump Company. Steam and vacuum pumping apparatus.	773,907	Nov. 1	752	158	113	173
Waterhouse, Addison G., Rockland county, N. Y., assignor to Waterhouse Steam and Vacuum Pump Company. Pumping liquid.	773,908	Nov. 1	756	158	113	174
Waterhouse, John, New York, N. Y. Air-heater.	754,726	Mar. 15	3089	662	109	698
Waterhouse Steam and Vacuum Pump Company. (See Waterhouse, Addison G., assignor.)						
Waterman, Albert R., New York, N. Y. Gage and marker for garments.	765,529	July 19	3265	683	111	742
Waterman, Arthur A., et al. (See Stone, Harry W., assignor.)						
Waterman & Co., A. (See Stone, Harry W., assignor.)						
Waterman, Edwin R., San Francisco, Cal. Electrohester.	758,946	May 3	738	146	110	171
Waterman, Isaac G., Santa Barbara, Cal. Electric switch.	775,016	Nov. 15	2912	621	113	688
Waterman, Isaac G., Santa Barbara, Cal. Electromagnetic-valve-controlling mechanism.	775,017	Nov. 15	2914	622	113	689
Waterman, Isaac G., Santa Barbara, Cal. Electromagnetic-valve-controlling mechanism.	775,018	Nov. 15	2915	622	113	690
Waterman, Isaac G., Santa Barbara, Cal. Electromagnetic-valve-controlling mechanism.	775,019	Nov. 15	2916	623	113	691
Waterman, Isaac G., Santa Barbara, Cal. Electromagnetic-valve-controlling system.	775,020	Nov. 15	2920	623	113	691
Waterman, Isaac G., Santa Barbara, Cal. Electrical-valve-controlling mechanism.	775,021	Nov. 15	2922	623	113	691
Waterman, Isaac G., Santa Barbara, Cal. Electrical-valve-controlling mechanism.	775,051	Nov. 15	2977	634	113	704
Waterman, Isaac G., Santa Barbara, Cal. Electric switch.	775,052	Nov. 15	2980	634	113	705
Waterman, Isaac G., Santa Barbara, Cal. Electric switch.	775,053	Nov. 15	2981	634	113	705
Waterman, Isaac G., Santa Barbara, Cal. Electromagnetic valve.	775,054	Nov. 15	2983	635	113	706
Waterman, Isaac G., Santa Barbara, Cal. Electric switch.	775,055	Nov. 15	2985	635	113	706
Waterman, Isaac G., Santa Barbara, Cal. Electrical-contact-controlling float.	775,056	Nov. 15	2987	636	113	707
Waterman, Lewis E., assignor to Emerson Manufacturing Company, Rockford, Ill. Cultivator.	761,734	June 7	222	43	110	1487
Waterman, Lewis E., assignor to Emerson Manufacturing Company, Rockford, Ill. Seeding-machine.	764,220	July 5	638	129	111	141
Waterman, Lewis E., assignor to Emerson Manufacturing Company, Rockford, Ill. Seeding-machine.	765,114	July 12	2456	512	111	550
Waterman, Marcus M., et al. (See Palmer, Stephen, assignor.)						
Waterman, Marcus M., assignor of one-half to J. K. P. Pine, J. J. Child, G. W. Daw, and H. E. Northrup, Troy, N. Y. Flexible tube.	760,366	Sept. 6	456	102	112	101
Waters, Frederick L., St. Paul, Minn. Traction-engine.	750,021	Feb. 2	507	62, 63	108	1116
Waters, Austin K., Albion, Pa. Draft-equalizer.	750,921	Apr. 12	1407	313	109	1659
Waters, Brent. (See Simpson, Alfred J., Jr., assignor.)						
Waters, Casswell, assignor of one-half to S. A. Byers, Pryor Creek, Ind. Ter. Driving mechanism.	770,879	Sept. 27	3340	705	112	803
Waters, Donald H. (See Fletcher and Waters.)						
Waters, Douglas H., Poquetanuck, Conn., assignor to E. V. Bates, Dracut, Mass. Card-feeding machine.	749,649	Jan. 12	2234	471	108	519
Waters, Edward T., Omaha, Nebr. Tabulating attachment for linotype-machines.	770,341	Sept. 20	2311	486	112	557
Waters, Frank J., Providence, assignor of two-thirds to W. A. Drew, F. E. and A. C. Farnham, A. Harrison, Providence, J. Geo. Cranston, and H. J. Page, Warwick, R. I. Cut-off valve for steam-engines.	774,562	Nov. 8	1852	402	113	430
Waters, Frank J., assignor of two-thirds to W. A. Drew, F. E. and A. C. Farnham, A. Harrison, Providence, J. Geo. Cranston, and H. J. Page, Warwick, R. I. Rotary engine.	751,584	Feb. 9	1480	335	108	1393
Waters, Frank J., assignor of two-thirds to W. A. Drew, F. E. and A. C. Farnham, A. Harrison, Providence, J. Geo. Cranston, and H. J. Page, Warwick, R. I. Cut-off valve for steam-engines.	758,122	Apr. 26	3822	829	109	2215
Waters, Frank J., assignor of two-thirds to W. A. Drew, F. E. and A. C. Farnham, A. Harrison, Providence, J. Geo. Cranston, and H. J. Page, Warwick, R. I. Shifting eccentric valve-gear.	763,131	June 21	2993	646	110	2127
Waters, Henry T. (See Tisch and Waters.)						
Waters, Israel R., Columbus, Ohio. Attachment for shoes.	776,767	Dec. 6	605	132	113	1560
Waters, James, and F. V. Thompson, Philadelphia, Pa. Electric cigar-lighter.	774,624	Nov. 8	2077	452	113	476
Waters, James T., Augusta, Ky. Shoe-cleaning machine.	762,782	June 14	2316	506	110	1958
Waters, Michael B. (See Seatchard and Waters.)						
Waters, Somerset R., et al. (See Githmann, Louis, assignor.)						
Waters, Starling W., et al. (See Kline, James B., assignor.)						
Waters, William L., Milwaukee, Wis. Transformer-case.	753,944	Mar. 8	1460	328	109	337
Waters, William L., assignor to National Electric Company, Milwaukee, Wis. Transformer.	776,001	Nov. 29	5013	1057	113	1199
Waterston, James G., and M. Smith, Scanlon, Minn. Switch-stand.	760,014	May 17	2930	612	110	693
Watkins, Clinton K. (See Pyburn, Thomas L., assignor.)						
Watkins & Company, D. M. (See Greenwood, Thomas F., assignor.)						
Watkins, David M., Providence, R. I. Pin-catch.	776,379	Nov. 29	5534	1172	113	1317
Watkins, Edward G., assignor to Heywood Brothers and Wakefield Company, Gardner, Mass. Machine for inserting diagonal strands in woven cane fabric.	761,800	June 7	381	77, 78	110	1324
Watkins, Frank, assignor of one-half to M. F. Shaw, Wash. Sharpening attachment for cutting-tools.	777,269	Dec. 13	1574	951	113	1791
Watkins, Frank C., Vallejo, Cal. Controller for electric motors.	768,711	Aug. 30	5302	1114	111	2290
Watkins, George F., Chicago, Ill. Antiradiating furnace-gate.	766,301	Aug. 2	330	68	111	1113
Watson, George W., Kearney, N. J. Trolley-guard.	777,052	Dec. 6	1188	259	113	1691
Watkins, George W., and W. C. Bethel, said Watkins assignor to J. T. Bethel, Seattle, Wash. Signaling system for railways.	768,783	Aug. 30	5428	1144	111	2319
Watkins, Harry, and W. A. Menge, Utica, N. Y. Vehicle-wheel.	760,285	May 17	3395	716	110	738

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Watkins, John W., Philadelphia, Pa. Automatic closing device	772,483	Oct. 18	2583	568 569	112	1554
Watkins Laundry Machinery Company. (See Hecker, Hugo A., assignor.)						
Watkins Manufacturing Company. (See Watkins, William D., assignor.)						
Watkins, William D., Monessen, Pa. Rail-joint	754,727	Mar. 15	3041	664	109	690
Watmough, Pendleton G., Jr., assignor to Watkins Manufacturing Company, San Jose, Cal. Telephone selecting device	753,183	Feb. 23	4574	1020	108	2111
Watkinson, Frederick J., Strathroy, assignor of one-half to C. W. Smith, London, Ontario, Canada. Balanced roller-blind	772,300	Oct. 11	2194	480	112	1449
Watmough, Pendleton G., Jr., Schenectady, N. Y., assignor to General Electric Company. Induction-motor	755,819	Mar. 29	5083	1129	109	1175
Watmough, Pendleton G., Jr., Schenectady, N. Y., assignor to General Electric Company. Cut-out for trolley-conductors	764,400	July 5	1098	1294 295	111	221
Watrous, Earl G., Chicago, Ill. Combined fitting for soil-pipes and revent-pipes	759,050	May 3	919	186	110	210
Watson, Anthony E., Kyneton, Victoria, Australia. Mounting for rotary scrapers on agricultural implements	763,783	June 14	2317	596	110	1958
Watson, Charles P., York, Pa. Shell-fuse	763,229	June 21	3200	690	110	2176
Watson, Charles P., York, Pa. Shell-fuse	763,230	June 21	3201	690	110	2176
Watson, Charles P., York, Pa. Buttonhole stitching and cutting device	766,081	July 26	1570	934 935	111	985
Watson, David L., New Orleans, La. Clarifying and filtering apparatus	761,187	May 31	5206	1106 1107	110	1227
Watson, Earle F. (See Bronson and Watson.)						
Watson, Edmund C. (See Damron, Joseph C., assignor.)						
Watson, Ernest, et al. (See Keen, Arthur W. M., assignor.)						
Watson, Frank C., Des Moines, Iowa, assignor to Avery Manufacturing Company, Peoria, Ill. Tractor-engine	757,985	Apr. 19	3538	766	109	2133
Watson, George. (See Newton, Diggie, and Watson.)						
Watson, Harry C., assignor to H. C. Fry Glass Company, Rochester, Pa. Machine for grinding glass	766,783	Aug. 2	1324	1281 282	111	1398
Watson, Hugh G., Coatbridge, Scotland. Means for manufacturing aerated or carbonated liquids	772,484	Oct. 18	2586	569	112	1555
Watson, James A., Washington, D. C., assignor, by mesne assignments, to Unitype Company, Manchester, Conn. Justifying device for composing-machines	753,336	Mar. 1	217	49	109	50
Watson, John B. (See Judson and Watson.)						
Watson, John W., Johnstown, Pa. Adjustable tongs	768,253	Aug. 23	4333	912	111	2656
Watson, Lewis O., assignor of one-half to F. P. Russell, St. Louis, Mo. Gas-stove	771,955	Oct. 11	1478	395	112	1289
Watson, Nelson M. (See White and Watson.)						
Watson, Nelson M., Detroit, Mich. Battery	777,985	Dec. 20	3043	670	113	2115
Watson & Newell Company. (See Person, Axel, assignor.)						
Watson, Richard M., and W. T. McGraw, assignors to Globe Cash Register Company, Limited, Detroit, Mich. Cash-register	767,366	Aug. 9	2493	531 532	111	1610
Watson, Robert L., Memphis, Tenn. Grinding apparatus	776,973	Dec. 6	1025	220	113	1655
Watson, Walter S., et al. (See Frerot, Charles, assignor.)						
Watson, William C. (See Brown and Watson.)						
Watson, William H. (See Brown, Charles, assignor.)						
Watson, William R. (See Stuart, Orion K., assignor.)						
Watson, William T., Newark, N. J. Car-fender	772,851	Oct. 18	3285	717	112	1706
Watt, Andrew P., Baltimore, Md. Adding-machine	751,632	Feb. 2	461	108	108	1159
Watt, George F., Chicago, Ill. Binder for loose-leaf books	750,922	Feb. 2	270	63	108	1117
Watt, George F., Chicago, Ill. Loose-leaf binder	765,507	Nov. 15	2989	636	113	707
Watt, James E., Brooklyn, N. Y. Cutting or perforating machine	772,057	June 14	1748	375	110	1836
Watt, John A., assignor to W. H. Johnson, Halifax, Canada. Fire-escape	773,157	Nov. 15	3303	684	113	735
Watt, Sern P., Morgan Park, assignor to Hine-Watt Manufacturing Company, Chicago, Ill. Combination-tool	766,982	July 26	4361	936	111	936
Watt, William, et al. (See Curtis, Edward K., assignor.)						
Watt, William, et al. (See Spiegel, William G., assignor.)						
Watters, Charles H., Chicago, Ill. Valve device	765,867	July 26	3947	843	111	898
Watters, James E., Glenmore, N. Y. Wire-fastener	767,855	Aug. 16	3456	731	111	1841
Watters, John H., Augusta, Ga. Track-sander	773,909	Nov. 1	759	159	113	175
Wattie, William, Worcester, Mass. Drilling-machine	759,205	May 3	1242	559	110	284
Wattie, William, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shed-forming mechanism for looms	752,316	Feb. 16	2691	644 645	108	1721
Wattie, William, Worcester, Mass. assignor to Crompton & Knowles Loom Works. Wire lift-needle for jacquard mechanism	764,968	July 12	2198	454	111	497
Watts, Alfred M. S., Palmerston North, New Zealand. Means for attaching draw-off taps to drums, &c.	766,083	July 26	4363	936	111	988
Watts, David H., Jr., Philadelphia, Pa. Partition for buildings, &c.	756,749	Apr. 5	1067	237 238	109	1571
Watts, Henry H., Bakersfield, Cal. Oil-burner	772,546	Oct. 18	2694	592	112	1578
Waugh, James C., Moline, Ill. Acetylene-gas generator	763,231	June 21	3203	690	110	2176
Way, Charles H., assignor to Clarkmobile Company, Lansing, Mich. Vehicle-spring	768,162	Aug. 23	4155	874	111	2017
Way, Charles H., assignor to Clarkmobile Company, Lansing, Mich. Valve-gear for explosive-engines	776,708	Dec. 6	482	106	113	1533
Way, Frank. (See Damerell, Henry, assignor.)						
Way, Frank E., assignor of one-half to J. Steen, Wahoo, Nebr. Acetylene-gas generator	758,159	Apr. 26	3889	844	109	2230
Way, Harry A., Burlington, and H. E. Southworth, Colechester, assignors to Porter Screen Manufacturing Company, Burlington, Vt. Window-screen	778,519	Dec. 27	4069	591	113	2358
Way, John G., Jackson, Mich. Harness-terret	754,177	Mar. 8	1892	422	109	434
Way, William H. (See Phillips and Way.)						
Wayne, Alfred, Handsworth, England. Writing-machine	755,420	Mar. 22	4308	953	109	990
Wayne Gear and Machine Company. (See Kehoe, Thomas J., assignor.)						
Wazlavik, Georg, Milwaukee, Wis. Cabinet	772,982	Oct. 25	3562	770 771	112	1786
Weale, Samuel. (See Engeljohn and Weale.)						
Weaning, Lawrence D., Cleveland, Ohio. Spacing-table	748,823	Jan. 5	503	114 115	108	114
Weant, George, Mannington, W. Va. Garment-form	775,260	Nov. 15	3457	731	113	821
Wear, Charles, Danvers, assignor to C. S. Emmerton, Peabody, Mass. Wheel-weeder	757,796	Apr. 19	3182	691	109	2056
Wear, F. E., et al. (See Sturgis, Herbert M., assignor.)						
Weather, John, Ames, Iowa. Apparatus for making concrete cisterns or tanks	775,290	Nov. 15	3520	741	113	833
Weatherby Electric and Manufacturing Company. (See Weatherby, Joseph, Jr., assignor.)						
Weatherby, Joseph, Jr., Wilmington, Del. Block-signal system	748,824	Jan. 5	505	115 116	108	114

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Weaverby, Joseph, Jr., assignor to Weatherby Electric and Manufacturing Company, New Cumberland, Pa. Signaling system	758,724	May 3	283	56, 57	110	72
Weaverby, Joseph, Jr., assignor to Weatherby Electric and Manufacturing Company, New Cumberland, Pa. Trolley-switch for block-signal systems	772,547	Oct. 18	2695	592	112	1578
Weaverby, Joseph, Jr., assignor to Weatherby Electric and Manufacturing Company, New Cumberland, Pa. Signal mechanism for block-signal systems	772,548	Oct. 18	2698	593	112	1579
Weathered, Charles B., Cranford, N. J. Greenhouse or other glazed structure	757,986	Apr. 19	3339	766	109	2134
Weatherill, Henry G. (See Rundquist, William, assignor.)	752,134	Feb. 16	2534	564	108	1639
Weathers, Joseph S., Windsor, Mo. Animal-poke	761,863	June 7	505	101	110	1552
Weathers, Joseph S., Windsor, Mo. Clevis	768,922	Aug. 30	5727	1204	111	2388
Weaver, Adam H., Blueball, Pa. Two-wheel tongue-support	764,021	July 5	212	38	111	50
Weaver, Alexander, assignor of one-half to W. S. Kenage, Mountainview, Mo. Lubricator for car-journals	763,820	June 28	4364	948	110	2446
Weaver, Andrus S., Joy, N. Y. Trolley-pole	755,421	Mar. 22	4311	954	109	990
Weaver, Brenton B., Glace Bay, Canada. Vehicle-wheel	762,667	June 14	2076	449	110	1908
Weaver, Charles H., and L. H. Houghton, Elkhart, Ind., assignors of one-fifth to C. J. Donahue, Cleveland, Ohio, and G. H. Houghton, Chicago, Ill. Flexible pipe-joint	762,667	June 14	2076	449	110	1908
Weaver, Charles R. (See Hains and Weaver.)						
Weaver, Clarence T. (See Andrews, Hiram B., assignor.)						
Weaver, Henry M., Mansfield, Ohio. Package-carrier	771,850	Oct. 11	1240	275	112	1238
Weaver, Henry N. and J. E., Lancaster, Pa. Fifth-wheel	756,750	Apr. 5	1068	238	109	1571
Weaver, Ira A., assignor to Racine-Sattley Company, Springfield, Ill. Spring-trip for cultivators	768,254	Aug. 23	4335	912	111	2056
Weaver, Ira A., assignor of one-half to S. E. Prather and C. A. Sattley, Springfield, Ill. Hood for pneumatic stackers	750,738	Jan. 26	4347	939	108	1012
Weaver, Jacob B., Baltimore, Md. Chair for railway-rails	752,490	Feb. 16	3113	691	108	1768
Weaver, John A., Greeley, Colo. Whip holder and stretcher	755,555	Mar. 22	4314	1011	109	1039
Weaver, Joseph E. (See Weaver, Henry N. and J. E.)						
Weaver, Paul, Rochester, N. Y. Surgical appliance	772,197	Oct. 11	1995	440	112	1402
Weaver, William J. M., Philadelphia, Pa. Packing	751,884	Feb. 9	2048	463	108	1514
Webb, Arthur N., Youngsville, Pa. Device for holding chair-rungs, &c	751,705	Feb. 9	1815	414	108	1460
Webb, Charles H., Dorking, assignor to Rapid Cyanide Treatment, Limited, London, England. Extraction of metal from ores	763,319	Aug. 23	4460	936	111	2083
Webb, Edward B., Rock City, Ill. Currycomb	749,596	Jan. 12	2138	445	108	501
Webb, Edward D., assignor of one-half to F. A. Forwood, Chester, Pa. Implement for truing the ends of tubing	755,198	Mar. 22	3901	861	109	902
Webb Folding Box Company. (See Webb, Zaida B., assignor.)						
Webb Folding Box Company. (See Webb, Zaida B., assignor.) (Reissue.)						
Webb, Francis G., London, England, assignor to Aeolian Company, New York, N. Y. Automatic pianoforte-player	772,983	Oct. 25	3563	771	112	1786
Webb, Francis G., London, England, assignor to Aeolian Company, New York, N. Y. Automatic pianoforte-player	773,044	Oct. 25	3695	795	112	1814
Webb, George F., Geneva, Ohio. Medical battery	765,330	July 19	3267	684	111	742
Webb, Hartwell W., New York, N. Y. Gas-generator	749,006	Jan. 5	903	191	108	211
Webb, Hartwell W., New York, N. Y. Acetylene-gas generator	749,007	Jan. 5	905	191	108	211
Webb, Hartwell W., New York, N. Y. Gas-burner	751,756	Feb. 9	1817	414	108	1461
Webb, Jean F., Denver, Colo. Pulley-covering	748,734	Jan. 5	925	53	108	49
Webb, Jean F., Denver, Colo. Ore drainage and leaching tank	772,399	Oct. 18	3383	594	112	1511
Webb, John W., Greenville, Miss. Cotton picking or harvesting machine	773,357	Oct. 25	4480	949	112	1994
Webb, L. H., et al. (See Kimball, Robert E., assignor.)						
Webb, Samuel C., and I. Weil, Monongahela, Pa. Car traction device	762,668	June 14	2077	449	110	1909
Webb, Samuel F., assignor to C. W. Dunaway, Wichita, Kans. Animal-poke	752,013	Feb. 9	2321	519	108	1573
Webb, Samuel J., Minden, La. Roller-bearing	748,825	Jan. 5	510	116	108	116
Webb, Samuel J., Minden, La. Hydraulic compress	764,647	July 12	1549	316	111	355
Webb, Samuel J., Minden, La. Press	773,441	Oct. 25	4661	984	112	2033
Webb, Samuel J., Minden, La. Turbine	773,442	Oct. 25	4664	985	112	2033
Webb, Walter. (See Michael, Christopher, assignor.)						
Webb, Zaida B., Florham Park, assignor to Webb Folding Box Company, Newark, N. J. Folding box (Reissue)	12,217	May 3	1294	260	110	295
Webb, Zaida B., Florham Park, assignor to Webb Folding Box Company, Newark, N. J. Folding box	762,966	June 21	2692	583	110	2062
Webb, Zaida B., Florham Park, assignor to Webb Folding Box Company, Newark, N. J. Folding box	766,980	Aug. 9	1756	368	111	1451
Webb, Zaida B., Florham Park, assignor to Webb Folding Box Company, Newark, N. J. Fastening device	776,002	Nov. 29	5015	1057	113	1199
Webb, Samuel E., Chicago, Ill. Slide-valve for fluid-pressure engines	772,984	Oct. 25	3565	771	112	1787
Webber, Frank I., Oxford, assignor of one-half to G. P. A. Kirschke, Harlan county, Neb. Pump-rod coupling	773,910	Nov. 1	761	159	113	175
Webber, Milton N., assignor of one-fourth to A. Moritz, Fort Wayne, Ind. Rail-joint connection	775,200	Nov. 15	3292	703	113	776
Webber, Parker G., Stoneham, Mass. Door-sill	759,051	May 3	920	186	110	211
Webber, Parker G., Stoneham, Mass. Ventilator for storm-windows	767,615	Aug. 16	3609	629	111	1744
Webber, Wesley, New York, N. Y. Coin-controlled apparatus	778,160	Dec. 30	3363	738	113	2184
Webber, Wesley, New York, N. Y. Self-closing faucet	757,530	Apr. 19	2644	739	109	1936
Webber, Wesley, New York, N. Y., assignor of one-half to A. S. Anable, Morristown, N. J. Escapement for clock mechanisms	777,872	Dec. 20	2798	614	113	2075
Webber, William P., assignor to Royal Commercial Company, Los Angeles, Cal. Perculator	776,574	Dec. 6	214	48	113	1473
Webber, William O., Boston, Mass. Tide-actuated hydraulic air-compressor	774,010	Nov. 1	950	197	113	216
Webber, William O., Boston, Mass. Search-light	759,334	May 10	1545	310	110	372
Webber, William O., Boston, Mass. Search-light system	762,215	Dec. 7	1138	244	110	1687
Webber, William O., Boston, Mass., assignor to W. C. Carr, New York, N. Y. Hydraulic air-compressor	776,709	June 6	485	106	113	1534
Webber, William O., Boston, Mass., assignor to Bell Pure Air & Cooling Co., New York, N. Y. Fan-blade	748,998	Jan. 5	659	146	108	148
Webber, William O., Boston, Mass., and J. McGee, assignors to Wellman-Seaver-Morgan Corporation, Cleveland, Ohio. Mounting for search-lights	752,275	Feb. 16	2808	622	108	1703
Weber, Benjamin, assignor of one-half to C. Dittmar, Baltimore, Md. Trunk-fastener	766,559	Aug. 2	853	179	111	1218
	759,739	Jan. 26	4349	939	108	1022

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Weber, Carl, Chicago, Ill. Mold for metal-concrete construction	759,573	May 10	2014	411 412	110	475
Weber, Carl, assignor to Steel-Concrete Construction Co., Chicago, Ill. Mold for metal-concrete construction	754,626	Mar. 15	2832	618	109	651
Weber, Charles C. (See Freeman, James D., assignor.)						
Weber, Charles H., Alton, Ohio. Fertilizer-spreader	752,135	Feb. 16	2535	565	108	1640
Weber, Charles S., San Jose, Cal. Bridge and binder for string musical instruments	758,879	May 3	608	121	110	145
Weber, Emil, assignor of one-half to E. F. Weber, Peoria, Ill. Hoe	750,418	Jan. 26	3704	803	108	875
Weber, Emil F. (See Weber, Emil, assignor.)						
Weber, Frederick C., Chicago, Ill. Cleansing and improving the quality of iron or steel	754,262	Mar. 8	3055	340	109	468
Weber, Frederick C., Chicago, Ill. Reducing metallic oxides with metallic aluminium	772,345	Dec. 27	3740	866	113	2281
Weber, Frederick T., Philadelphia, Pa. Painter's palette-box	776,443	Nov. 29	5849	1236	113	1390
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Composite structure	749,507	Jan. 12	1980	411	108	463
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Rail-joint	756,443	Apr. 5	513	107	109	1452
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Rail-chair	760,501	May 24	3805	806	110	907
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	764,169	July 5	519	102	111	115
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	765,370	July 19	2940	615	111	672
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	772,010	Oct. 11	1590	357 358	112	1313
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	772,011	Oct. 11	1592	359	112	1314
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Rail-joint	772,012	Oct. 11	1593	360 361	112	1314
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Step-joint	772,013	Oct. 11	1595	361 362	112	1315
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	772,985	Oct. 25	3566	772 773	112	1787
Weber, George A., assignor to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	775,322	Nov. 22	3551	759 760 761	113	868
Weber, George A., Stamford, Conn., assignor to Weber Railway Joint Mfg. Co., New York, N. Y. Insulated joint for railway-rail sections	772,008	Oct. 11	1586	355 356	112	1312
Weber, George A., Stamford, Conn., assignor to Weber Railway Joint Mfg. Co., New York, N. Y. Insulated joint for railway-rail sections	772,009	Oct. 11	1589	357	112	1313
Weber, George A., and P. Holbrook, assignors to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated rail-joint	762,669	June 14	2078	450 451	110	1909
Weber, George A., and P. Holbrook, assignors to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated joint	770,342	Sept. 30	2314	487	112	558
Weber, George A., and P. Holbrook, assignors to Weber Railway Joint Manufacturing Company, New York, N. Y. Insulated joint	777,707	Dec. 20	2442	536 537	113	1994
Weber, Gustav, Hagen, Germany. Turning cutter	774,802	Nov. 15	2474	534	113	588
Weber, Henry E., Canton, Ohio. Dental cuspidor	764,022	July 5	213	38	111	50
Weber, Herman, Colorado Springs, Colo. Truck	772,014	Oct. 11	1597	362	112	1315
Weber, Jacob J. (See Hoffman, Sprenger, and Weber.)						
Weber, John, Jr., assignor to Toledo Metal Wheel Company, Toledo, Ohio. Go-cart or child's chair	749,119	Jan. 5	1143	242	108	264
Weber, John, assignor to Whitehead & Hoag Company, Newark, N. J. Easel	754,945	Mar. 15	3454	756	109	790
Weber, John, Union Hill, assignor to Whitehead & Hoag Company, Newark, N. J. Easel	759,946	May 17	2729	573	110	648
Weber, Joseph F., Hastings, Mich. Sod-cutting plow	748,675	Jan. 5	227	54	108	50
Weber, Matthew J. (See Wilkins and Weber.)						
Weber, Peter, assignor to New Jersey Patent Company, Orange, N. J. Repeating attachment for phonographs	771,851	Oct. 11	1242	276	112	1339
Weber, Peter, Orange, and C. L. Hibbard, West Orange, assignors to New Jersey Patent Company, Orange, N. J. Phonograph	772,485	Oct. 18	2558	570	112	1556
Weber Railway Joint Manufacturing Company. (See Holbrook, Percy, assignor.)						
Weber Railway Joint Manufacturing Company. (See Ward, Daniel O., assignor.)						
Weber Railway Joint Manufacturing Company. (See Weber, George A., assignor.)						
Weber Railway Joint Manufacturing Company. (See Weber and Holbrook, assignors.)						
Weber, Rudolf, Burgdorf, Germany. Producing paved tracks on macadamized roads or the like	751,704	Feb. 9	1695	385	108	1497
Weber, Theodore T., assignor of two-thirds to G. R. Allyn and F. W. Johnston, Buffalo, N. Y. Carburetor	754,178	Mar. 8	1894	422	109	435
Weber, William, Chicago, assignor to D. O. Ward, Oak Park, Ill. Steering-gear and rider-indicator	774,294	Nov. 8	1466	315 316	113	346
Weber, William J., F. C. and W. M. Deyherle, St. Louis, Mo. Antifriction-bearing	755,088	Mar. 22	3700	812	109	861
Weberg, Peter O., et al. (See Shupe, Eli, assignor.)						
Weber, Albert L., New York, and J. E. H. Hyde, Richmond Hill, N. Y. Amusement device	762,566	June 14	1888	406 407	110	1867
Webster, Alfred J., assignor to J. A. Jeffrey, Columbus, Ohio. Conveyer	751,885	Feb. 9	2050	463 464	108	1514
Webster, Charles B., Fall River, Mass. Loom-shuttle	753,337	Mar. 1	219	49	109	50
Webster, Charles B., Newark, Okla. Ter. Attachment for planters	770,343	Sept. 30	2315	488	112	558
Webster, Elizabeth M., Los Angeles, Cal. Garment-hanger	777,357	Dec. 13	1758	391	113	1832
Webster, Frank L., Wailua, Hawaii. Sling	756,304	Apr. 5	222	46	109	1392
Webster, George W., deceased, Chicago, Ill.; M. L. Webster, executrix. Roll-paper folder	757,373	Apr. 12	2318	507	109	1853
Webster, Harold A., assignor of one-half to C. K. Fox, Haverhill, Mass. Seam for sewed articles	757,374	Apr. 12	2319	507	109	1853
Webster, Harry G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Company, Rochester, N. Y. Telephone-exchange system	775,226	Nov. 15	3362	716	113	791
Webster, Harry G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	775,227	Nov. 15	3371	716	113	794
Webster, Harry G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	775,228	Nov. 15	3382	716	113	800
Webster, Harry G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system	775,229	Nov. 15	3389	717	113	802
Webster, Harry G., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Circuit-changing apparatus	775,230	Nov. 15	3402	717	113	805

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Webster, J. H., <i>et al.</i> (See Fulford, Elijah D., assignor.)						
Webster, John W., Chicago, Ill., assignor to International Harvester Company. Cord-carrying mechanism for corn-shock compressors	767,487	Aug. 16	2687	564	111	1671
Webster, Marie L., executrix. (See Webster, George W.)						
Webster, Thomas, and C. C. Cadwell, New York, N. Y. Display-card for jewelry	777,823	Dec. 20	2682	590	113	2044
Webster, Thomas H., South Haven, Mich., assignor to H. J. Parkhill and J. E. Parke, Chicago, Ill. Machine for saving staves	767,784	Aug. 16	3298	697	111	1809
Webster, William R., Jr., Bridgeport, Conn. Roll-grinder	761,276	May 31	5389	1146	110	1266
Wechsler, Isaac, New York, N. Y. Suspenders	769,037	Aug. 30	5961	1482	111	2439
Weck, Wilhelm, Solingen, Germany. Pocket-knife	777,358	Dec. 13	1759	391	113	1832
Weckman, Henry W., assignor to J. H. Sponseller, Canton, Ohio. Siding or floor clamp	776,575	Dec. 6	215	48	113	1476
Weckman, John S., Carnegie, Pa. Trolley	778,520	Dec. 27	4092	991	113	2359
Weckman, John S., and R. J. Millard, Carnegie, Pa. Trolley	760,828	May 24	4490	956	110	1054
Weddell, Mark, <i>et al.</i> (See Pratt, Cyrus C., assignor.)						
Weddle, Isaac E., <i>et al.</i> (See Hensley, Charles S., assignor.)						
Wedekind, Gustav A. (See Pörsche and Wedekind.)						
Wedelstaedt, George S. von, Chicago, Ill. Receptacle for liquid or powdered soap	761,801	June 7	386	78	110	1523
Wedge, Asahel G., <i>et al.</i> (See Anderson, Alfred, assignor.)						
Wedge, Carrie N. (See Wedge, Frank N., assignor.)						
Wedge, Frank N., assignor to C. N. Wedge, Cleveland, Ohio. Hoisting and conveying apparatus	760,286	May 17	3397	716	110	799
Wedge, Uley, Ardmore, Pa. Preparing iron pyrites for desulfurization	757,531	Apr. 19	2646		109	1937
Wedge, Uley, Ardmore, Pa. Furnace for roasting, smelting, &c	777,577	Dec. 13	2192	1481	113	1926
Wedler, August H. W., Adelaide, South Australia, Australia. Device for fastening, adjusting, and locking window-sashes	761,568	May 31	5025	1270	110	1386
Wedrick, Alexander, Pulaski, Iowa. Wind-motor	775,577	Nov. 22	4732	1102	113	1116
Wedrick, Felix, Pulaski, Iowa. Governor for steam-engines	774,011	Nov. 1	951	197	113	216
Weebur, Leonard F., South Minneapolis, Minn. Automatic brake	760,940	May 24	4698	1001	110	1098
Weed, Arthur J., New York, N. Y. Negative-holder	773,358	Oct. 25	4483	949	112	1994
Weed, Edgar S. (See Clark, Frederick B., assignor.)						
Weed, Harry D., Canastota, N. Y. Grip-tread for pneumatic tires	768,495	Aug. 23	4827	1011	111	2169
Weed, William O., assignor of one-half to J. G. Gobie, Medford, Oreg. Shade-bracket	769,367	Sept. 6	457	102	112	101
Weed, William S., Chicago, Ill. Handkerchief	751,033	Feb. 2	464	108	108	1160
Weeden, Henry C., Boston, Mass. Pipe-joint	766,006	July 26	4219	908	111	958
Weeden, Henry C., Boston, Mass. Pipe-joint	766,855	Aug. 9	1509	315	111	1395
Weeding, John A., Chicago, Ill., assignor to International Harvester Company. Attachment for section-tempering furnaces	770,448	Sept. 30	2489	528	112	955
Week, Edmund R., Spokane, Wash. Centrifugal ore-concentrator	757,699	Apr. 10	2991	650	109	2015
Weeks, Albert H., Pratt, Kans. Collapsible barrel	777,873	Dec. 20	2800	615	113	2068
Weeks, Andrew J. (See Weeks, Reuben W. and A. J.)						
Weeks, Edward M., Washington, P. C. Overflow-alarm	756,996	Apr. 12	1565	343	109	1691
Weeks, John, Brooklyn, N. Y. Fountain-pen	778,291	Dec. 27	3631	792	113	2259
Weeks, Joseph H., Battletcreek, Mich. Carton-sealing machine	751,832	Feb. 9	1931	439	108	1487
Weeks, Joseph H., Battletcreek, Mich. Carton-machine	751,833	Feb. 9	1936	439	108	1488
Weeks, Nicholas, <i>et al.</i> (See Griffin, Thomas J., assignor.)						
Weeks, Reuben W. and A. J., Kearsarge, N. H. Painter's scaffold	760,358	May 17	3520	741	110	826
Weeks, Samuel V., assignor of one-half to C. A. Raht, Chattanooga, Tenn. Disk plow	759,489	May 10	1853	373	110	441
Weems, David G., Bonanza, Colo. Wave-motor	755,728	Mar. 29	4002	1091	109	1138
Weepke, Thomas, Oakland, N. J. Smokeless fuel	759,783	May 10	2413		110	562
Weever, John B., Evansville, Ind., assignor to P. S. Weever, Memphis, Tenn. Combined collar-button and tie-holder	761,118	May 31	5084	1080	110	1200
Weever, Paul S. (See Weever, John B., assignor.)						
Wegener, Arnold H., New York, N. Y. Nut-lock	778,726	Dec. 27	4460	977	113	2439
Weggen, Edward P., assignor of two-thirds to C. Tweedie, Jefferson City, Mo., and W. J. Schott, Topeka, Kans. Electric heater	775,714	Nov. 22	4436	987	113	1054
Weghorst, Herman. (See Eberhardt and Weghorst.)						
Wegman, George M. (See Kent and Wegman.)						
Wegman & Co. (See Fankhauser, Ryser, and Knibiehler, assignors.)						
Wegner, William C., Laporte, Ind. Raking-tool for road construction	764,401	July 5	1009	205	111	224
Wehinger, Johann, Dornbirn, Austria-Hungary, assignor to Fabrik für Mechanische Hirnholzmosaik, Gesellschaft mit Beschränkter Haftung, Munich, Germany. Machine for making wood mosaic flooring of blocks of wood	752,938	Feb. 23	4129	919	108	2010
Wehmiller, Henry, Clarinda, Iowa. Ditching-machine	776,576	Dec. 6	216	48	113	1476
Wehner, George, Jacksonville, Fla. Laundry-register	764,648	July 12	1554	316	111	536
Wehner, William H. E., Germantown, Pa. Game apparatus	771,514	Oct. 4	384	130	112	1083
Wehrenberg, Charles E., Mound City, Ill. Hay-press	762,367	June 14	1457	318	110	1774
Wehrenbrecht, Henry P. (See Grubitz, Louis J., assignor.)						
Wehrle, Joseph, assignor to himself, J. J. Oeffmaus, Wampum, and C. Scheppner, Chenton, Pa. Steam-boiler	754,360	Mar. 8	2220	496	109	501
Wehrlin, Maurice, assignor to Compagnie Internationale de l'Electro-Typographie Mery & Rozar, Paris, France. Apparatus operated by a perforated band for casting spaces	765,057	July 12	2356	489	111	329
Wehrlin, Maurice, assignor to Compagnie Internationale de l'Electro-Typographie Mery & Rozar, Paris, France. Automatic clutch for type casting and composing machines	765,058	July 12	2362	490	111	329
Wehrlin, Maurice, assignor to Compagnie Internationale de l'Electro-Typographie Mery & Rozar, Paris, France. Type casting and composing machine	765,059	July 12	2364	491	111	330
Wehrmann, Frank H., assignor to American Automatic Indicator Manufacturing Company, St. Louis, Mo. Automatic street-car indicator	762,670	June 14	2080	452	110	1909
Weibel, Emil, <i>et al.</i> (See Reeves, Edwin A., assignor.)						
Weibel, John J., <i>et al.</i> (See Reeves, Edwin A., assignor.)						
Weichelt, Carl, Moscow, Russia. Supply-nozzle for turbines	753,769	Mar. 1	1059	242	109	228
Weichelt, Carl, Moscow, Russia. Steam-turbine	767,189	Aug. 9	2174	453	111	1541
Weichelt, Charles L., Philadelphia, Pa. Friction driving and speed-regulating device	765,722	July 26	3669	782	111	839
Weichhart, John, San Francisco, Cal. Belt-shifting device	767,616	Aug. 16	3010	629	111	1745
Weidenbaum, William F. C., Chicago, Ill. Collapsible chair	768,643	Aug. 30	5137	1083	111	2359
Weidenbaum, William F. C., Chicago, Ill. Collapsible chair	773,308	Oct. 25	4373	923	112	1970

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Weidinger, William G. G., Chicago, Ill. Pliers-jaws	753,456	Mar. 1	443	103 104	109	97
Weidknecht, Edward B. (See Smith, Carpenter, and Weidknecht.)						
Weidlein, John P. (See Connolly and Weidlein.)						
Weidler, Edgar O., Oil City, assignor to Oil Well Supply Company, Pittsburg, Pa. Pumping power.	759,574	May 10	2915	412	110	475
Weidlich, Otto E., Cincinnati, Ohio. Fountain-pen	760,829	May 24	4491	956	110	1055
Weidlich, Otto E., Cincinnati, Ohio. Fountain-pen	766,560	Aug. 2	855	179	111	1228
Weidman, Edward. (See Blaker, Charles S., assignor.)						
Weidner, Carl A., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Locking device for card-index rods	760,404	May 17	3605	760	110	845
Weidner, Charles F., New York, N. Y. Merry-go-round	772,549	Oct. 18	2701	593	112	1579
Weigand, August, Pittsburg, Pa. Means for unloading freight-cars	762,011	June 7	777	158 159	110	1607
Weigel, Albert P., assignor to Aurora Tool Works, Aurora, Ind. Drill-press	776,710	Dec. 6	487	107	113	1535
Weigel, Franz, Hopechurch, Pa. Curtain-pole	760,287	May 17	3399	716	110	799
Weigel, George M., Ballard, Wash. Overflow-valve for bath-tubs	760,344	Sept. 20	2316	488	112	558
Weigelt, Curt H., Berlin, Germany. Polishing and finishing limestone, marble, &c.	774,121	Nov. 1	1159	247	113	262
Weierding, Peter, et al. (See Rice, Christopher B., Jr., assignor.)						
Weigle, Henri, Töss, assignor to Schweizerische Locomotiv-und Maschinenfabrik, Winterthur, Switzerland. Gas-generator	775,641	Nov. 22	4291	906	113	1023
Weikly, James N. (See Fraser and Weikly.)						
Weil, Carl P., Baker City, Oreg. Combination-trunk	762,216	June 7	1140	244 245	110	1688
Weil, Isaac. (See Webb and Weil.)						
Weil, Joseph, New York, N. Y. Neckwear-holder	775,955	Nov. 29	4911	1038	113	1174
Weil, Samuel D. (See Davis, Robert G., assignor.)						
Weiler, Johann J., Mörchingen, Germany. Independently-rotating wheel	756,096	Mar. 29	5604	1237	109	1291
Weiler, Johann J., Mörchingen, Germany. Freely-rotatable wheel with backward brake	765,945	July 26	4087	873	111	930
Weiller, Arthur. (See Weiller, Paul and A.)						
Weiller, Ferdinand J. H., Sandvig, near Allinge, assignor to Aktieselskabet Bornholm	751,034	Feb. 2	465	108 109	108	1160
Graintravet, Copenhagen, Denmark. Machine for breaking or splitting stone						
Weiller, Paul, Vienna, and A. Weiller, Trieste, Austria-Hungary. Separating copper or like metals from their ores	775,548	Nov. 22	4099		113	981
Weimar, Otto L., Manayunk, Pa. Pie-marker	771,192	Sept. 27	3958	835	112	938
Weimer, William S., Pleasant Lake, N. D. Spark-arrestor	768,355	Aug. 23	4337	912	111	2057
Weiner, Wilhelm, assignor of one-half to H. Schmitz, Wymore, Nebr. Spring-motor	759,327	Jan. 26	3553	769	108	842
Weingartner, Edward, et al. (See Müller-Jacobs, Armand, assignor.)						
Weinland, Henry F., assignor to Lagoda Manufacturing Company, Springfield, Ohio. Tool for facing boiler-tube caps and their seats	752,734	Feb. 23	3706	827	108	1917
Weinland, Henry F., assignor to Lagoda Manufacturing Company, Springfield, Ohio. Turbine-motor for boiler-tube cleaners	776,877	Dec. 6	889	180 181	113	1611
Weinland, Henry F., assignor to Lagoda Manufacturing Company, Springfield, Ohio. Tube expander and cutter	778,727	Dec. 27	4462	977	113	2440
Weinmann, Gustav, Zurich, Switzerland. Distance-operated gas-igniter	773,696	Nov. 1	311	69	113	74
Weinrich, Moritz, Yonkers, N. Y. Apparatus for drying bone-black	769,421	Sept. 6	557	122	112	126
Weinschenk, Joseph F., and C. H. Blodgett, Durand, Mich. Electrical signaling device for railway-crossings	767,190	Aug. 9	2179	454	111	1542
Weinzaepflen, Charles. (See Klappauf, Weinzaepflen, and Riber.)						
Weir, John B. (See Pfuger, Charles A., assignor.)						
Weir, Roderic, assignor of one-half to E. Richard, Winnipeg, Canada. Clothes-wardrobe	749,120	Jan. 5	1145	243	108	264
Weir, Roy L., Winstboro, Tex. Twine-holder	773,443	Oct. 25	4665	885	113	2033
Weir, Welby D., Winstboro, Tex. Snap-hook	771,956	Oct. 11	1480	336	112	1288
Weir, William J., New York, N. Y., assignor of one-half to G. E. Belcher, Stoughton, Mass. Last	752,317	Feb. 16	2893	645	108	1721
Weir, William N., South River, N. J. Kilm	774,544	Nov. 8	1929	418	113	446
Weirick, John, Bucyrus, Ohio. Fence	771,957	Oct. 11	1481	336	112	1288
Weis, Andrew, assignor of one-half to F. N. and W. C. Weis, Toledo, Ohio. Paper-clip	767,458	Aug. 16	2689	561	111	1672
Weis, August, Karlsruhe, Germany, assignor to F. Ulsamer, Gallipolis, Ohio. Safety-harness for children	758,123	Apr. 26	3886	830	109	2216
Weis, Frank N., et al. (See Weis, Andrew, assignor.)						
Weise, William C., et al. (See Weis, Andrew, assignor.)						
Weise, Gustav, et al. (See Steers, William, Sr., assignor.)						
Weise, Wilhelm, Hohenstein-Ernstthal, Germany. Receptacle	752,735	Feb. 23	3708	827	108	1917
Weisensale, Emory C. (See Bemiller and Weisensale.)						
Weisnek, Ignatz, Federal, Pa. Wrench	762,784	June 14	2318	506	110	1558
Weisnek, Ignatz, Federal, Pa. Firearm	772,764	Oct. 18	3140	683	112	1674
Weisnek, Ignatz, assignor of one-half to J. Evans, Federal, Pa. Lock-cover	760,830	May 24	4494	956	110	1055
Weiss, Franz J., Basle, Switzerland. Condenser	771,515	Oct. 4	585	131	112	1083
Weiss, George F., Springfield, Ill. Coal-drill	762,863	June 14	2497	510	110	1909
Weiss, Louis F., New York, N. Y. Shifting segmental bushing for crank-bearings	758,397	Apr. 26	4361	938	109	2332
Weiss, Max L., St. Louis, Mo. Jewelry	770,880	Sept. 27	3341	706	112	803
Weiss, Stuart A., Richmond, Va. Back and head rest	768,209	Aug. 23	4245	893	111	2036
Weiss, Wilhelm, Godesberg, Germany. Rail-joint for tracks and especially for field-railways	748,826	Jan. 5	511	116 117	108	116
Weiss, William C., Milwaukee, Wis. Autosiegl	763,292	June 21	3309	691	110	2177
Weissbrod, Willis H., Greenfield, Mass. Scoring device for golf-players	753,457	Mar. 1	444	104	109	97
Weissenstein, Julius, New York, N. Y. Smoker's accessory	768,007	Aug. 16	3811	795	111	1919
Weisser, Lawrence A., National City, Cal. Artificial limb	775,506	Nov. 22	3977	839	113	954
Weisser, Theodore, Neustadt, Germany. Metronome	753,945	Mar. 8	1462	323	109	337
Weissinger, Albert F., Okemos, Mich. Fence-post	775,715	Nov. 22	4498	998	113	1054
Weitz, Charles W. (See Schenck, Charles, Jr., assignor.)						
Weken, Richard J., Everett, Wash. Automatic train-pipe coupling for air-brakes	759,784	May 10	2413	505	110	563
Welbourn, Josiah M., Edison, assignor of one-half to M. Cook and M. B. Lefever, Mount Gilead, Ohio. Grain-measure	762,217	June 7	1141	245	110	1688
Welch, Franklin I., Malden, Mass. System of railway-ticket and destination-check or transfer combined	769,969	Sept. 13	1580	337	112	373
Welch, Mason, Alma, Mich. Buckle	751,585	Feb. 9	1484	336	108	1393
Welch, Rosia W., Baltimore, Md., assignor to Royal Milling and Manufacturing Company. Rice-hulling machine	749,650	Jan. 12	2236	471	108	530
Welch, Rosia W., Baltimore, Md., assignor to Royal Milling and Manufacturing Company. Rice-polishing machine	767,459	Aug. 16	2689	565	111	1672
Welch, Rosia W., assignor to L. S. Baburger, trustee, Baltimore, Md. Rice-polishing machine	760,093	May 17	3025	631	110	716
Welch, Rosia W., assignor to W. H. Sadler, Baltimore, Md. Rice-polishing machine	775,098	Nov. 15	3075	653	113	726

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Welch, Rosia W., assignor to W. H. Sadler, Baltimore, Md. Machine for hulling and decorticating rice	777,986	Dec. 20	3045	670	113	2115
Welch, Stephen R., Grand Junction, Colo. Insect-trap	776,210	Nov. 29	5402	1145	113	1286
Welch, Stephen R., Grand Junction, Colo. Insect-trap	776,280	Nov. 29	5535	1172	113	1317
Welch, William A., Jr. (See Turk, James W. B., assignor.)						
Weid, Charles L., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Try-square	761,939	June 7	681	127	110	1579
Weid, Charles W., Southbridge, Mass. Delivery-chute	762,508	June 14	1748	875	110	1857
Weidon, Ara, et al. (See Churchill, Clyde E., assignor.)						
Weidon, James O. (See Bennitt, Joel, assignor.)						
Weidon, Jonathan L., Kopperl, Tex. Plow	760,767	May 24	4361	927	110	1028
Weldy, Eli, assignor of three-fourths to J. M. Stiles, W. J. Freas, and E. H. Smith, Salem, N. J. Horse-blanket	778,815	Dec. 27	4698	1013	113	2479
Welm, John E., Victoria, Ill. Fan attachment for swings	753,832	Mar. 1	1236	278	109	265
Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to Aeolian Company, New York, N. Y. Automatic musical instrument	768,414	Aug. 23	4672	978 979 980	111	2138
Welke, John T., Milwaukee, Wis. Nutmeg-grater	774,217	Nov. 8	1330	283	113	317
Weller, Calvin G., Idaho Springs, Colo. Ore-concentrator	756,305	Apr. 5	223	46	109	1892
Welles, Charles P. (See Loetzer, Christian E., assignor.)						
Welles, Edward B., Asheville, N. C. Whiffletree-hook	755,970	Mar. 29	5391	1190	109	1246
Welles, George S. (See Wilson, Edward F., assignor.)						
Welles, Richard H., Kenosha, Wis. Jack	750,740	Jan. 26	4350	940	108	1012
Welling, Matthew J., Chicago, Ill. Press	772,577	Dec. 6	218	48, 49	113	1477
Wellman, Charles A., Ottumwa, Iowa. Body-ventilating apparatus	776,003	Nov. 29	5016	1058	113	1199
Wellman, Charles H. (See Seaver and Wellman.)						
Wellman, Charles H. (See Wellman and Seaver.)						
Wellman, Charles H. (See Wellman, Seaver, and Morgan.)						
Wellman, Charles H., and J. E. A. Moore, assignors, by mesne assignments, to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Mechanism for gathering bulk cargoes beneath hatches	762,785	June 14	2319	507	110	1959
Wellman, Harlan P., Ashland, Ky. Electrical controller for railway-cars	750,139	Jan. 19	3196	687	108	743
Wellman, Harold R., assignor to General Incandescent Arc Light Company, New York, N. Y. Deflector for fan-motors	755,199	Mar. 22	3002	861	109	902
Wellman, Harold R., assignor of one-third to E. S. Isham, New York, N. Y. Electric elevator	756,444	Apr. 5	514	107	109	1452
Wellman, Harold R., assignor of one-third to E. S. Isham, New York, N. Y. Elevator	772,074	Oct. 11	1736	387	112	1347
Wellman, Samuel T., assignor to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Electrical valve-operating device for blowing-engines	751,586	Feb. 9	1485	336	108	1393
Wellman, Samuel T., and C. H., and J. W. Seaver, assignors to Wellman-Seaver Engineering Company, Cleveland, Ohio. Gas-producer	775,878	Nov. 22	4734	1003	113	1116
Wellman, Samuel T., and C. H., J. W. Seaver, and T. P. Morgan, assignors to Wellman-Seaver-Morgan Company, Cleveland, Ohio. Machine for charging coke-ovens	778,614	Dec. 27	4268	931	113	2396
Wellman-Seaver Engineering Company. (See Wellman and Seaver, assignors.)	754,263	Mar. 8	2058	457	109	468
Wellman-Seaver-Morgan Company. (See Esselius, Eric, assignor.)						
Wellman-Seaver-Morgan Company. (See Seaver and Hulett, assignors.)						
Wellman-Seaver-Morgan Company. (See Seaver and Wellman, assignors.)						
Wellman-Seaver-Morgan Company. (See Wellman, Samuel T., assignor.)						
Wellman-Seaver-Morgan Company. (See Wellman and Moore, assignors.)						
Wellman-Seaver-Morgan Company. (See Wellman, Seaver, and Morgan, assignors.)						
Wellman-Seaver-Morgan Corporation. (See Webber and McGeorge, assignors.)						
Wellman Sole Cutting Machine Company. (See Stickney, Allison M., assignor.)						
Wellman, Walter, Washington, D. C. Passenger-traffic-handling apparatus	761,736	June 7	225	43	110	1488
Wellman, Walter, Washington, D. C. Railway-car	761,737	June 7	228	44	110	1488
Wellman, Willard F., Belmont, Me. Moving-machine	771,516	Oct. 4	588	131 132	112	1083
Wellmann, Louis P., West New York, N. J. Stirrup-strap	778,090	Dec. 30	3233	710	113	2154
Wellner, Julius, Philadelphia, Pa. Sound-reproducing apparatus	766,561	Aug. 2	856	179	111	1228
Wells, Albert H., Springboro, Pa. Combined planter and fertilizer-distributor	751,124	Feb. 2	622	144	108	1193
Wells, Arthur E., New York, N. Y. Spirometer	757,797	Apr. 19	3183	691	109	2057
Wells, Arthur E., New York, N. Y. Coin-controlled apparatus	760,502	May 24	3806	807	110	908
Wells, Charles A., Chicago, Ill. Electromagnetic traction device and brake	766,856	Aug. 9	1509	315	111	1395
Wells, Charles A., Chicago, Ill. Electromagnetic traction device and emergency-brake	771,193	Sept. 27	3959	835	112	938
Wells, Elmer J., assignor of one-half to G. E. Schultz, Nashua, Iowa. Door-check	770,837	Sept. 27	3265	688	112	786
Wells, Frank A., Florence, Kans. See Hulle	751,705	Feb. 9	1696	386	108	1437
Wells, Frank P., Decatur, Ill., assignor to United States Wire Mat Company. Metallic mat	766,857	Aug. 9	1513	316	111	1396
Wells, George K., Philadelphia, Pa. Scraper and cleaner for flues, pipes, &c.	767,785	Aug. 16	3307	698	111	1811
Wells, George W., Southbridge, Mass. Nose-guard	758,947	May 3	740	147	110	172
Wells, James A., Battle Creek, Mich. Hinge	777,290	Dec. 13	1508	334	113	1777
Wells, John C., East Hampton, Conn. Toy	750,506	Jan. 26	3877	842	108	912
Wells, John L., East Bernstadt, Ky. Railway cattle-guard	769,894	June 14	2471	535	110	1992
Wells, John V., Braddock, Pa. Triple valve	753,018	Feb. 23	4282	953	108	2046
Wells, John V., Braddock, Pa. Triple valve	753,019	Feb. 23	4287	953	108	2047
Wells, John V., Braddock, Pa. Brake-valve	753,020	Feb. 23	4292	954	108	2048
Wells, John W. J., Mesa, Ill. Eyeglasses	767,617	Aug. 16	3011	629	111	1745
Wells, Nelson D., Dayton, Ohio. Lock	770,408	Sept. 30	2417	510	112	581
Wells, Sterling, Schaller, Iowa. Time light-extinguishing apparatus	774,926	Nov. 15	2735	586 587	113	647
Wells, Thomas T., Union, Miss. Plow attachment	761,802	June 7	388	79	110	1525
Wells, William C. (See Andersen and Wells.)						
Wells, William R. (See Vandever, John H., assignor.)						
Welsbach Light Company. (See Daggett, Herbert M., Jr., assignor.)						
Welsbach Light Company. (See Stutes, Townsend, assignor.)						
Welsh, Adam A., West Haven, Conn. Wonderland scenic waterway	760,503	May 24	3807	807 808	110	908
Welsh, Elmer E., Lawrence, Kans., assignor to J. T. Blair and R. Wray, trustee. Spike-extractor	757,162	Apr. 12	1902	415	109	1765
Welsh, George G., assignor of one-half to T. C. Rankin, Swissvale, Pa. Rotary engine	771,593	Oct. 4	739	164 165	112	1116
Welsh, Hamilton E., assignor of two-thirds to F. E. Mann and H. S. Elder, Lewistown, Pa. Draw-head support	749,245	Jan. 12	1411	302	108	843

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Welsh, Hamilton E., assignor of two-thirds to F. E. Mann and H. S. Elder, Lewistown, Pa. Car-coupling.	749,246	Jan. 12	1413	303	108	343
Welsh, John F. (See Johnson, Frank A., assignor.)						
Welsh, John H., New York, N. Y. Aerial whirling tower.	750,140	Jan. 19	3198	667	108	743
Welsh, Pierre V. W., New York, N. Y. Photograph-machine.	756,087	Mar. 29	5605	1237	109	1291
Welsh, Thomas I. (See Kindig, Benjamin W., Jr., assignor.)						
Welsh, Thomas W. (See Harlow, Andrew J., assignor.)						
Welsh, William H., Collingswood, N. J. Molding-case for use in electrotyping and manufacturing same.	752,493	Feb. 16	3218	719	108	1790
Welsh, William T., Cincinnati, Ohio. Valve or faucet.	761,433	May 31	5688	1212	110	1334
Weldon, Frank R., assignor to Book-Keeper Publishing Co., Limited, Detroit, Mich. Paper-clip.	776,974	Dec. 6	1026	220	113	1655
Weldon, James E., Woodsville, N. H. Shuttle.	775,589	Nov. 23	4185	882	113	1000
Weldon, Park E., assignor to Acme Glass Machine Company, Akron, Ohio. Glass-bottle-making machine.	766,084	July 26	4364	936 937	111	988
Weltz, Heinrich, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same.	754,264	Mar. 8	2061	-----	109	469
Weltz, Heinrich, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dye and making same.	763,233	June 21	3210	-----	110	2177
Welvant Manufacturing Company. (See Sturtevant, Charles A., assignor.)						
Weman, Kias, New York, N. Y. Telephone.	771,343	Oct. 4	239	53	112	1012
Weman, Kias, New York, N. Y. Escutcheon-plate and lock for telephones.	772,986	Oct. 25	3568	773	112	1738
Wenberg, Alfred, Joliet, Ill. Autotractor-vehicle.	767,460	Aug. 16	3290	565	111	1672
Wendel, A. F. (See Brehm, Daniel, assignor.)						
Wendel, John A., Milwaukee, Wis. Match composition.	754,265	Mar. 8	2063	-----	109	469
Wendland, Henry E., assignor to Tengwall Fie & Ledger Co., Chicago, Ill. Temporary binder.	775,099	Nov. 15	3077	654	113	726
Wendt, Henry H., Jr. (See Kohlmoos, John H., Jr., assignor.)						
Wendt, Hermann O. (See Thoms, Hermann F. M., assignor.)						
Wendt, William F., Altoona, Pa. Car-coupling.	775,789	Nov. 22	4570	968	113	1082
Wenger, Milton, New Holland, Pa. Wrench.	752,136	Feb. 16	2537	565	108	1640
Weng, Ferdinand. (See Berg, Rudolf, assignor.)						
Weng, John, Mount Pleasant, Mich. Fire-escape.	775,158	Nov. 15	3205	684	113	755
Weniger, Johann G., New York, N. Y. Electric-railway switch.	749,597	Jan. 12	2139	446	108	501
Wenk, William H., Jr., Oakgrove, Mich. Cider-press.	761,030	June 7	632	127	110	1579
Wenke, Franz, Fort Wingate, N. Mex. Ter. Lap-rip.	758,800	May 3	442	88	110	109
Wenneborg, Henry, Jr., Springfield, Ill. Artificial limb.	772,318	Oct. 11	2231	489	112	1457
Wennersten, John P., Dunning, assignor to A. Larsen, McHenry, Ill. Machine for shearing blanks from metal rods.	749,415	Jan. 12	1768	374	108	430
Wensauer, Max, assignor of two-thirds to J. and F. P. Maersch, Sheboygan, Wis. Chimney-cleaner.	764,265	July 5	713	144	111	158
Wensel, Theodor, St. Paul, Minn. Plate-holding clamp for printers' use.	778,292	Dec. 27	3632	793	113	2259
Wenz, George A., and J. McKee, Jr., Bridgeburg, Canada. Circular-folding machine.	776,444	Nov. 29	5859	1236 1237	113	1390
Wenzel, Carl E., Newark, N. J. Detonating.	764,023	July 5	214	39	111	50
Wenzelides, Rudolf, New York, N. Y. Speed-regulator for hydraulic presses.	766,007	July 26	4220	900	111	958
Wenzell, George C., Germantown, Pa. Corset-clasp.	761,931	June 7	636	128	110	1580
Wenzell, Samuel S. (See Nelson, Horatio, assignor.)						
Wenzelmann, Gustave, Streator, Ill. Hay-rack clamp.	774,861	Nov. 15	2607	558	113	616
Werckmeister, John C., Baltimore, Md. Permanent way.	771,109	Sept. 27	3790	840	112	903
Werk, Robert F., New Orleans, La. Oil-press mat.	758,572	Apr. 26	4715	1017	109	2413
Werk, Robert F., New Orleans, La. Oil-press mat.	758,573	Apr. 26	4717	1017	109	2414
Werk, Robert F., New Orleans, La. Oil-press mat.	758,574	Apr. 26	4718	1017	109	2414
Werk, Robert F., New Orleans, La. Oil-press mat.	758,575	Apr. 26	4719	1018	109	2414
Werte, John F., assignor to J. W. Irwin, New York, N. Y. Fastening device.	775,433	Nov. 23	3832	810	113	923
Wern, Gustaf P., New York, N. Y., assignor to Rawson & Morrison Manufacturing Co., Cambridgeport, Mass. Hoisting-bucket.	764,907	July 12	2082	431	111	472
Wernau, E. A. (See Pearson, William H., assignor.)						
Werner, Ernest E., St. Louis, Mo., assignor to Electrical Purifying Company. Apparatus for the treatment of gases.	777,987	Dec. 20	3046	670	113	2115
Werner, Ernest E., St. Louis, Mo., assignor to Electrical Purifying Company, Stafford, Kans. Generating gases from air.	777,988	Dec. 20	3048	671	113	2116
Werner, Ernest E., St. Louis, Mo., assignor to Electrical Purifying Company, Stafford, Kans. Apparatus for the treatment of gases.	777,989	Dec. 20	3049	671	113	2116
Werner, Ernest E., St. Louis, Mo., assignor to Electrical Purifying Company, Stafford, Kans. Apparatus for the treatment of gases.	777,990	Dec. 20	3051	671	113	2116
Werner, Ernest E., St. Louis, Mo., assignor to Electrical Purifying Company, Stafford, Kans. Device for protecting air against electric discharges.	777,991	Dec. 20	3053	671	113	2117
Werner, Jacob. (See Gabrielsky, Richard, assignor.)						
Werner, John A., Dayton, Ohio, assignor to National Cash Register Company, Jersey City, N. J. Cash-register.	773,108	Oct. 25	3937	836 837 838 839	112	1875
Werner, John H., and S. Flory, Bangor, Pa. Reversing mechanism.	778,615	Dec. 27	4270	932	113	2396
Werner, Julius, Neumünster, Germany. Suspension device for stable-beams.	755,200	Mar. 22	3903	861	109	902
Werner, Louis C., Broadbrook, Conn. Electric block-signal system.	749,710	Jan. 12	2368	498	108	547
Werner, Louis C., Dryden, N. Y. Electric block-signal system.	762,509	June 14	1749	375 376	110	1837
Werner, Paul H., Newark, N. J. Hot-water heater for kitchen-ranges.	748,899	Jan. 5	660	146 147	108	148
Werner, Richard. (See Alrutz and Werner.)						
Wernet, Urban A. (See Ball and Wernet.)						
Wernicke, Carl G. W., Mankato, Minn. Band-cutter and feeder for corn-huskers.	751,232	Feb. 2	849	193 194	108	1238
Wernsing, Frank A., Bellevue, and J. Stubbers, Covington, Ky., assignors to Incandescent Light & Stove Company, Cincinnati, Ohio. Globe-holder.	777,231	Dec. 13	1509	335	113	1777
Werrick, James Y., St. Paul, Minn. Hat provided with receptacle.	770,031	Sept. 13	1696	390	113	400
Wersel, Frank B., Jr., Mount Lookout, Ohio. Sofa-bed.	755,089	Mar. 22	3701	813	109	861
Wersel, Frank B., Jr., Mount Lookout, Ohio. Sofa-bed.	755,090	Mar. 22	3702	813	109	861
Werthebruch, Franz, Nottingham, England. Drying-machine.	749,828	Jan. 19	2607	557	108	618
Wertheim, Ludwig, assignor to A. Steinhart & Brother, New York, N. Y. Belt.	748,900	Jan. 5	663	147	108	149
Wertheimer, Louis. (See Lichtenberger, Max, assignor.)						
Wertheimer, Bernhard, Karlsruhe, Germany. Machine for manufacturing cigars.	757,584	Apr. 19	2764	604	109	1965

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Wertheimer, Laon, assignor, by mesne assignments, to Appel Manufacturing Company, New York, N. Y. Skirt-supporter	769,970	Sept. 13	1582	337	112	373
Werthner, Christian C., Toronto, Canada. Car-coupling	778,728	Dec. 27	4465	978	113	2440
Werts, George N. (See Farnsworth, Henry T., assignor.)						
Werts, Leroy, Milford, Mo. Reamer	752,494	Feb. 16	3219	719	108	1790
Wertz, Charles V., Portsmouth, Ohio. Vending-machine	750,741	Jan. 26	4352	940 941	108	1013
Wertz, John A. (See Hurst and Wertz.)						
Wertz, Joseph E., Dickerson Run, Pa. Combination-rule	766,562	Aug. 2	859	180	111	1229
Wertz, Merrian N., and J. J. Parnell, Thomasville, Ga. Swinging hammock	751,125	Feb. 2	623	144 145	108	1193
Weschler, Daniel D., Erie, Pa. Apron for malt-turning machines	758,227	Apr. 26	4014	871	109	2257
Wescott, William P., Jr., Jersey City, N. J. Dust-proof lid for car journal-boxes	763,132	June 21	2998	647	110	2129
Wesel, Ferdinand. (See Hopkins, Charles E., assignor.)						
Weseman, Alonzo W. (See Scott and Weseman.)						
Wessebecher, Gustav. (See Dehoff and Wessebecher.)						
Wessels, Charles, New York, N. Y. Cigar-butt former	756,752	Apr. 5	1070	238	109	1572
Wessels, Henry J., Paris, France. Apparatus for sterilizing water	751,886	Feb. 9	2053	464	108	1515
Wessels, Robert P., Chicago, Ill. Combined savings-bank and clock	775,058	Nov. 15	2991	636	113	708
Wesser, Ernst, Leipzig, Germany. Cylinder printing-machine	773,444	Oct. 25	4066	985 986	112	2034
Wessinger, Henry J., Duluth, Minn. Back-pressure valve	756,306	Apr. 5	224	46, 47	109	1392
Wessinger, Henry J., Duluth, Minn. Steam-trap	758,725	May 3	287	57	110	74
Wesson, Daniel B., Springfield, Mass. Revolver	763,581	June 28	3890	844	110	2345
Wesson, John P., Atalla, Ala. Orrery	749,508	Jan. 12	1981	411 412	108	464
Wesson, Washington V., Attalla, Ala. Nut-lock	763,821	June 28	4967	949	110	2447
West, Arnold J., Aberdeen, Wash. Tilting bin and sample-display device	754,523	Mar. 15	2641	573	109	613
West Branch Novelty Company. (See Kerr, Valentine B., assignor.)						
West, Charles E., Philadelphia, Pa. Device for filing keys	749,508	Jan. 12	2141	446	108	501
West, Charles, Wollaston, Mass. Index and advertising device	750,597	Jan. 26	3873	842	108	912
West, Charles F., Wollaston, Mass. Office device	761,864	June 7	506	102	110	1552
West, Crawford P., Springfield, Ohio. Motion feed-lubricator	762,967	June 21	2693	583	110	2622
West, Frank B., Colfax, Iowa. Carbonator	757,375	Apr. 12	2321	507	109	1853
West, John W., assignor of two-thirds to C. B. Barnhard, Toledo, Ohio. Calipers	762,786	June 14	2322	507	110	1960
West, Leonard A., et al. (See Hacker, Matt A., assignor.)						
West, Louis G. M., Baltimore, Md. Steam-boiler furnace	755,972	Mar. 29	5394	1191	109	1247
West, Lynch D., Moline, Kans. Mail-box	776,630	Dec. 6	331	71	113	1502
West, Mansfield M., assignor to National Shoe-Plate Manufacturing Company, Cleveland, Ohio. Heel-protector	752,736	Feb. 23	3709	828	108	1917
West, Robert S., assignor of one-half to E. B. Wren, Talladega, Ala. Ventilator	753,973	Mar. 29	5396	1192	109	1247
West, Sanford E., Providence, R. I. Eyeglass-mounting	775,956	Nov. 29	4912	1038	113	1174
West, William, Camden, N. J. Spice-box	770,478	Sept. 20	2558	545	112	609
West, William P. (See Glor and West.)						
Westaway, James, Liverpool, England. Producing granulated and solidified fatty substances	773,614	Nov. 1	149	34	113	39
Westbrook, James G., Ogdensburg, N. Y. Shoveling device	754,946	Mar. 15	3455	757	109	790
Westbrook, James G., Ogdensburg, N. Y. Valve	762,218	June 7	1144	246	110	1683
Westbrook, William L., Chattanooga, Tenn. Cork-extractor	771,571	Oct. 4	591	132	112	1044
Westcott, Daniel, Salem, N. J. Car-coupling	767,191	Aug. 9	2180	454	111	1582
Westcott, Mark K., Camberwell, Victoria, Australia. Apparatus for treating fodder preparatory to compressing same	751,887	Feb. 9	2054	465	108	1515
Westerbeck, Frederick, St. Louis, Mo. Spouted can	761,342	May 31	5517	1176	110	1293
Westergaard, Helge, assignor of one-half to N. D. Smith, Austin, Tex. Ice-conveying apparatus	762,510	June 14	1759	376	110	1840
Western Electric Company. (See Atwood, George F., assignor.)						
Western Electric Company. (See Boyce, Charles L., assignor.)						
Western Electric Company. (See Carlsen, Charles J., assignor.)						
Western Electric Company. (See Crane, Henry M., assignor.)						
Western Electric Company. (See Crapo, Charles A., assignor.)						
Western Electric Company. (See Dean, William W., assignor.)						
Western Electric Company. (See Ford, James S., assignor.)						
Western Electric Company. (See Hale, William B., assignor.)						
Western Electric Company. (See Holmes, Howard B., assignor.)						
Western Electric Company. (See McBerty, Frank R., assignor.)						
Western Electric Company. (See McBerty and Crane, assignors.)						
Western Electric Company. (See McBerty and Loveridge, assignors.)						
Western Electric Company. (See McBerty and McQuarrie, assignors.)						
Western Electric Company. (See McQuarrie, James L., assignor.)						
Western Electric Company. (See Muschenheim and Hendry, assignors.)						
Western Electric Company. (See Scribner, Charles E., assignor.)						
Western Electric Company. (See Scribner, Charles E., assignor.) (Reissue.)						
Western Electric Company. (See Scribner and McBerty, assignors.)						
Western Electric Company. (See Scribner and McQuarrie, assignors.)						
Western Electric Company. (See Smythe, Edwin H., assignor.)						
Western Electric Company. (See Tanner, De Wit C., assignor.)						
Western Electric Company. (See Warner, Ernest P., assignor.)						
Western Manufacturing Company. (See Rensberg, Elton E., assignor.)						
Western Rubber Company. (See Leigh, Richard A., assignor.)						
Western Telephone Company. (See Rugh, Harry O., assignor.)						
Western Wax and Supply Company. (See McEwing, Thomas, assignor.)						
Western Wheel Scraper Company. (See Bunnell, Morton G., assignor.)						
Western Wheel Scraper Company. (See McKnight, Thomas R., assignor.)						
Western X-ray and Coil Company. (See Christoph, George M., assignor.)						
Westerson, Oscar A., Cannon Falls, and W. A. Westerson, Minneapolis, Minn. Draft-equalizer	764,037	July 5	354	68	111	78
Westerson, William A. (See Westerson, Oscar A. and W. A.)						
Westervelt, Elias W. (See Hill, John B., assignor.)						
Westervelt, Herbert E., South Bend, Ind. Bag-machine	759,786	May 10	2425	507 508 509 505	110	565
Westervelt, Herbert E., South Bend, Ind., and W. G. Holmes, Bucyrus, Ohio; said Holmes assignor to said Westervelt. Bag-machine	759,785	May 10	2415	506 507	110	563

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Westinghouse Air Brake Company. (See Clark, Francis L., assignor.)						
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Westinghouse Air Brake Company. (See Kaiser, George W., assignor.)						
Westinghouse Air Brake Company. (See Kapteyn, Albert, assignor.)						
Westinghouse Air Brake Company. (See Mason, Harry R., assignor.)						
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Westinghouse Air Brake Company. (See Turner and Blackall, assignors.)						
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Westinghouse Air Brake Company. (See Woernley, Harry F., assignor.)						
Westinghouse Automatic Air & Steam Coupler Company. (See Niederlander, Nicholas F., assignor.)						
Westinghouse, Church, Kerr and Company. (See Caldwell, Fred E., assignor.)						
Westinghouse Electric & Manufacturing Co. (See Woods, Granville T. and L., assignors.)						
Westinghouse Electric & Manufacturing Company. (See Baker, Malcolm H., assignor.)						
Westinghouse Electric & Manufacturing Company. (See Baker and Wilbur, assignors.)						
Westinghouse Electric & Manufacturing Company. (See Beech, Jacob, assignor.)						
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Westinghouse Electric & Manufacturing Company. (See Bremer, Hugo, assignor.)						
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)						
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Westinghouse Electric & Manufacturing Company. (See Peck and Zwarnik, assignors.)						
Westinghouse Electric & Manufacturing Company. (See Percival, Isaac W., assignor.)						
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Westinghouse Electric & Manufacturing Company. (See Thomas, Percy H., assignor.)						
Westinghouse Electric and Manufacturing Company. (See Tingley, Egbert M., assignor.)						
Westinghouse Electric & Manufacturing Company. (See Van Valkenburg, Hermion L., assignor.)						
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Westinghouse, George. (See Hien, Phillip, assignor.)						
Westinghouse, George. (See Hutin and Leblanc, assignors.)						
Westinghouse, George. (See Hutin and Leblanc, assignors.) (Reissue.)						
Westinghouse, George. (See Knox, William J., assignor.)						
Westinghouse, George. (See Potter, Henry N., assignor.)						
Westinghouse, George. (See Wurts, Alexander J., assignor.)						
Westinghouse, George. (See Wurts and Bennett, assignors.)						
Westinghouse, George, Pittsburg, Pa. Friction spring mechanism	749,708	Jan. 12	2356	498	108	546
Westinghouse, George, Jr., Pittsburg, Pa. Rotary fluid-motor	751,587	Feb. 9	1486	337	108	1394
				338		
Westinghouse, George, Pittsburg, Pa. Gearing	751,588	Feb. 9	1490	338	108	1394
				339		
Westinghouse, George, Pittsburg, Pa. Controlling system for electric motors	773,832	Nov. 1	560	122	113	129
				123		
Westinghouse, George, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Air-brake	750,010	Jan. 19	2953	632	108	693

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Westinghouse, George, assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Fluid-pressure brake.	772,852	Oct. 18	3288	718	112	1707
Westinghouse, George, Pittsburg, Pa., assignor to Westinghouse Machine Company. Fluid-pressure turbine.	751,589	Feb. 9	1492	339	108	1395
Westinghouse, George, Pittsburg, Pa., assignor to Westinghouse Machine Company. Vertical fluid-pressure turbine.	754,400	Mar. 8	2493	516	109	534
Westinghouse, George, Pittsburg, Pa., assignor to Westinghouse Machine Company. Turbine-blade.	767,367	Aug. 9	2494	522	111	1610
Westinghouse, George, Pittsburg, and L. M. Aspinwall, Wilkensburg, Pa.; said Aspinwall assignor to said Westinghouse. Controlling system for electric motors.	773,833	Nov. 1	567	123 124	113	130
Westinghouse, Henry H. (See Davis, Isaac H., assignor.)						
Westinghouse, Henry H., New York, N. Y., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Triple valve.	759,947	May 17	2731	573	110	648
Westinghouse, Henry H., Edgewood, and E. M. Herr, assignors to Westinghouse Air Brake Company, Pittsburg, Pa. Combined pump and motor.	761,735	June 7	223	43	110	1487
Westinghouse Machine Company. (See Arnold, Edwin E., assignor.)						
Westinghouse Machine Company. (See Boddener, William L., assignor.)						
Westinghouse Machine Company. (See Bole, William A., assignor.)						
Westinghouse Machine Company. (See Flanders, Louis H., assignor.)						
Westinghouse Machine Company. (See Hodgkinson, Francis, assignor.)						
Westinghouse Machine Company. (See Hodgkinson and Frik, assignors.)						
Westinghouse Machine Company. (See McKee, Robert A., assignor.)						
Westinghouse Machine Company. (See Robinson, Cyrus, assignor.)						
Westinghouse Machine Company. (See Thordon, Eric, assignor.)						
Westinghouse Machine Company. (See Westinghouse, George, assignor.)						
Westlake, Charles T., St. Louis, Mo., assignor, by mesne assignments, to American Steel Foundries. Centrifugal truck-holster.	758,228	Apr. 26	4015	871 872	109	2257
Westlake, Charles T., St. Louis, Mo., assignor, by mesne assignments, to American Steel Foundries. Truck-frame for railway-cars.	758,229	Apr. 26	4016	872	109	2257
Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck.	773,309	Oct. 25	4375	924	112	1971
Westlake, Charles T., Grant, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Transom for car-trucks.	776,281	Nov. 29	5387	1173	113	1317
Westlin, Bror E. (See Gurney and Westlin.)						
Westling, Charles R., Jersey City, N. J. Closure for barrels or the like.	766,206	Aug. 2	112	30	111	1066
Westmark, Hans O., Aurora, Ill., assignor of one-half to O. C. Mann, Nora Springs, Iowa. Hydraulic press.	760,592	May 24	3977	845 846	110	946
Weston, Charles W., Jr., New York, N. Y. Card-index.	761,119	May 31	5086	1080	110	1200
Weston, Edward, Newark, and A. O. Benecke, Vailsburg, N. J. Indicating or recording dynamometer.	758,726	May 3	289	57	110	74
Weston, Edward, Newark, and A. O. Benecke, Vailsburg, N. J. Recording electrical measuring instrument. (Reissue.)	12,235	June 21	3413	742 743	110	2321
Weston, Edward B., Dayton, Ohio. Display-rack.	776,282	Nov. 29	5589	1173	113	1317
Weston, Lewis H., Deer Island, Oreg. Type-writer attachment.	753,184	Feb. 23	4578	1020	108	2111
Weston, Lon, Brockton, Mass. Last.	755,820	Mar. 29	5085	1129	109	1176
Weston, Milton T. (See Hutchinson and Weston.)						
Weston, Richard E., Watford, England. Adding-machine.	765,531	July 19	3269	984	111	742
Weston, Thomas A., Arden, N. C. Tool-handle.	739,948	May 17	2733	574	110	648
Weston, William, Denver, Colo. Portable camp-stove.	750,742	Jan. 26	4355	941	108	1014
Weston, William S., Chicago, assignor to Buda Foundry and Manufacturing Company, Harvey, Ill. Railway-switch.	768,969	Aug. 30	6515	1221	111	2407
Westpal, Frederick, New York, N. Y. Safety pin.	757,700	Apr. 19	2992	650	109	2015
Westwood, Amos, Oakland, assignor of one-half to I. Fiel, San Francisco, Cal. Adjustable beel for shoes.	754,947	Mar. 15	3458	757	109	791
Wetherby, Henry, New York, N. Y. Skirt-adjuster.	757,076	Apr. 12	1714	372	109	1723
Wetherhold, Oscar B. (See Robinson, Frank W., assignor.)						
Wethington, John E., Alvarado, Okla. Ter. Fence-building machine.	755,821	Mar. 29	5085	1130	109	1176
Wetmore, Jean A. (See Sachers, Ralph J., assignor.)						
Wetmore, Sylvester J. (See Shadbolt and Wetmore.)						
Wetmore, William H., Greensboro, N. C. Inkstand.	767,856	Aug. 16	3456	731	111	1841
Wetrels, Gerhard, Frazee, Minn. Boiler-tube fastening.	764,088	July 5	356	69	111	78
Wetlin, Charles H., assignor of one-half to A. S. Burton, Asbury Park, N. J. Automatic suction-pump or vacuum-chamber.	749,121	Jan. 5	1146	243	108	265
Wetlin, Dora L. (See Peterson and Hutchins, assignors.)						
Wetton, Thomas F., Newark, Ohio. Contact for trolleys.	772,987	Oct. 25	3569	773	112	1788
Wetton, Thomas F., assignor of one-half to C. E. Krebs, Newark, Ohio. Trolley.	752,737	Feb. 23	3710	828	108	1918
Wetzler, Frank C. (See Fowler and Wetzler.)						
Wetzler, William P. (See Specht and Wetzler.)						
Wey, Frank E., Wheeling, W. Va. Cable-hanger.	759,787	May 10	2438	509	110	587
Weyant, Thomas R., Brooklyn, N. Y. Weighing apparatus.	772,446	Oct. 18	2497	546 547	112	1537
Weyburn, Lewis A. (See Sperry, Charles F., assignor.)						
Weyland, Joseph, Los Angeles, Cal. Self-oiling plane.	770,881	Sept. 27	3342	706	112	803
Weyrs, Frank S., assignor of one-half to J. B. Fleschman and W. J. Duhring, Philadelphia, Pa. Computing-machine.	751,706	Feb. 9	1697	386 387	108	1487
Whalen, James L. (See Patterson, Robert, assignor.)						
Whalen, John W., Cambridge, Mass. Mail-box.	774,218	Nov. 8	1391	284	113	817
Whaley, Abner W., Morocco, Ind. Fence-brace.	758,576	Apr. 26	4729	1018	109	2414
Whaley, Robert H., et al. (See Hinkson, Frank B., assignor.)						
Whamond, Alexander A. (See Grimme, Frederick, assignor.)						
Whipple, George H., Cedar Rapids, Iowa. Sample-sheet rotary display-stand.	768,442	Aug. 30	5158	1083 1205	111	2259
Wharton, Elmer E., assignor to Case Manufacturing Company, Columbus, Ohio. Con-troller.	764,402	July 5	1010	206	111	225
Wharton, Samuel E., Everett, Wash. Game apparatus.	753,946	Mar. 8	1463	329 330	109	337
Wharton, William, Jr., assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Railway-switch.	769,577	Sept. 6	847	181	112	192
Wharton, William, Jr., assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Railway-track structure.	770,620	Sept. 20	2817	598	112	669
Wharton, William, Jr., Philadelphia, and V. Angerer, Ridley Park, assignors to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Railway-switch.	756,088	Mar. 29	5608	1238	109	1292
What Cheer Drill & Miners Tool Co. (See Walker, Alexander, assignor.)						
Wheat, Frank B., Los Angeles, Cal. Device for marking picture-mats.	778,521	Dec. 27	4093	892	113	2359
Wheat, Frederick. (See Peck, Luke R., assignor.)						
Wheat, George G., et al. (See Hackmann, Frederick, assignor.)						
Wheatley, James B., Kansas City, Mo. Combination folding bed.	759,788	May 10	2434	509	110	567

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Wheatley, Richard B., Barnsbury, London, England. Alloy and its manufacture	766,085	July 26	4373	-----	111	991
Wheatley, Thomas, Syracuse, N. Y. Air-valve for radiators.	759,052	May 3	922	187	110	211
Wheatley, Thomas, Syracuse, N. Y. Air-valve	772,765	Oct. 18	3143	683	112	1674
Wheatley, Thomas, Syracuse, N. Y. Air-valve for radiators.	772,766	Oct. 18	3145	684	112	1675
Wheaton, Almeron F., Menlo, Wash. Machine for laying cables on winding-drums.	776,975	Dec. 6	1027	220 221	113	1655
Wheelan, Fairfax H., assignor of one-half to R. W. Jessup, San Francisco, Cal. Drawing instrument	750,923	Feb. 2	272	64	108	1118
Wheeland, Charles G., Arlington, Iowa. Fire-escape.	759,335	May 10	1547	311	110	372
Wheeler, Charles V., Allegheny, and A. G. McKenna, Braddock, Pa., assignors to Firth Sterling Steel Company. Cap for projectiles	748,827	Jan. 5	513	117	108	116
Wheeler, Earl A., Sharon, Pa. Traction-motor	777,824	Dec. 20	2683	590 591	113	2044
Wheeler, Ezekiel, Kingfisher, Okla. Ter. Metal railway-tie	764,089	July 5	357	69	111	78
Wheeler, Ezekiel, Kingfisher, Okla. Ter. Fence-wire-fastening device.	774,295	Nov. 8	1471	316	113	348
Wheeler, George W., Hydepark, assignor of one-half to J. A. Chessman, Waltham, Mass. Bottle-stopper	775,411	Nov. 22	3786	800	113	913
Wheeler, Henry W., Syracuse, N. Y. Oar-lock	772,264	Oct. 11	3145	683	112	1434
Wheeler, James D., Bridgeport, Conn. Motor-engine	765,193	June 21	2999	647	110	2129
Wheeler, James F., Perry township, Marion county, assignor of one-half to A. Boice, Indianapolis, Ind. Shock-former	753,770	Mar. 1	1060	242 243 244	109	228
Wheeler, John, Grand Rapids, Mich. Burglar-alarm.	767,786	Aug. 16	3307	608	111	1812
Wheeler, John K., Oakley township, Macon county, Ill. Operating mechanism for gates.	772,901	Oct. 11	2196	480	112	1449
Wheeler, John M., et al. (See Holmberg, Charles G., assignor.)	753,738	Feb. 23	3711	838	108	1918
Wheeler, Jonathan W., Charleston, S. C. Hand-lever attachment for sewing-machines	753,738	Feb. 23	3711	838	108	1918
Wheeler, Louis A., et al. (See Roadhouse, Norman F., assignor.)	749,889	Jan. 19	2715	580	108	642
Wheeler, Melbourn, Prices Branch, Mo. Plow-clevis	766,858	Aug. 9	1513	316	111	1396
Wheeler, Robert H., Highpoint, N. C. Bedstead	762,787	June 14	2324	508	110	1960
Wheeler, Robert P., assignor to Heinn Specialty Company, Milwaukee, Wis. Mounting photographs, pictures, &c.	762,787	June 14	2324	508	110	1960
Wheeler, Samuel D., assignor of one-half to I. B. Griffin, Fowlstown, Ga. Hoisting-scaffold	761,343	May 31	5517	1176	110	1294
Wheeler, Samuel D., and H. V. Whittle, Fowlstown, Ga. Stump-extractor	754,324	Mar. 15	2643	574	109	613
Wheeler, Samuel H., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Trimmer for sewing-machines	778,389	Dec. 27	3828	836	113	2300
Wheeler, Samuel H., Fairfield, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Cabinet for sewing-machines	778,390	Dec. 27	3828	836	113	2301
Wheeler, Seth, Albany, N. Y. Machine for folding and interfolding single or superposed sheets	777,761	Dec. 20	2637	562	113	2015
Wheeler, Theodore A., New Haven, Conn. Adding-machine	758,198	Apr. 26	3959	859	109	2245
Wheeler, Warren F., Stoneham, Mass. Snow-plow	757,163	Apr. 12	1904	415	109	1766
Wheeler, William G., et al. (See Comer, Alva, assignor.)	769,203	Sept. 6	121	30	112	28
Wheeler & Wilson Manufacturing Co. (See Harrison, James M., assignor.)						
Wheeler & Wilson Manufacturing Company. (See Abercrombie, Charles M., assignor.)						
Wheeler & Wilson Manufacturing Company. (See Dial and Dimond, assignors.)						
Wheeler & Wilson Manufacturing Company. (See Eames, George M., assignor.)						
Wheeler & Wilson Manufacturing Company. (See Griffiths, Dan, assignor.)						
Wheeler & Wilson Manufacturing Company. (See Laubscher, Alexander, assignor.)						
Wheeler & Wilson Manufacturing Company. (See Noble, Donald, assignor.)						
Wheeler & Wilson Manufacturing Company. (See Ostrom, Freeland W., assignor.)						
Wheeler & Wilson Manufacturing Company. (See Wheeler, Samuel H., assignor.)						
Wheelwright, Charles, Cincinnati, Ohio. Collapsible step-ladder	772,447	Oct. 18	2501	547	112	1538
Wheelwright, Charles S., Bristol, R. I. Apparatus for cooking garbage or offal and removing the oil or grease therefrom	774,804	Nov. 15	2475	584	113	588
Wheelwright, Charles S., Bristol, R. I. Cooking garbage, &c., and removing the oil, &c., therefrom	774,805	Nov. 15	2477	584	113	589
Wheelwright, Charles S., Bristol, R. I. Apparatus for cooking garbage or offal and removing the oil therefrom	774,806	Nov. 15	2479	584 585	113	589
Wheelwright, Charles S., Bristol, R. I. Cooking garbage, &c., and removing the oil, &c., therefrom	774,807	Nov. 15	2488	585	113	590
Wheelwright, Charles S., Bristol, R. I. Apparatus for removing oil or grease from garbage or offal	774,808	Nov. 15	2488	585 586	113	591
Wheldon, William M., Boston, Mass., assignor to Aero-Pulverizer Company, Jersey City, N. J. Apparatus for feeding material	756,907	Apr. 5	235	47	109	1393
Whelan, Andrew, assignor of one-half to W. H. Pittenger, Pittsburg, Pa. Elevator safety-clutch	777,166	Dec. 13	1890	307	113	1751
Whelan, Andrew, assignor of one-half to W. H. Pittenger, Pittsburg, Pa. Elevator safety-clutch	778,616	Dec. 27	4273	932 933	113	2397
Whelan, Bert, Roseland, Nebr. Sieve for threshing-machines	751,035	Feb. 2	466	109	108	1161
Wheldon, Frederick W., New York, N. Y. Refrigerator	767,321	Aug. 9	2406	505	111	1591
Whelless, Thomas M., St. Louis, Mo. Garment-supporter	757,701	Apr. 19	2993	650	109	2015
Wherry, William H., Cleveland, Ohio. Mold for casting terminals for rail-bonds	750,508	Jan. 26	3881	842	108	913
Wherry, William H., Cleveland, Ohio. Electrical conductor	750,509	Jan. 26	3883	842 843	108	913
Wherry, William H., Cleveland, Ohio. Forming electrical rail-bonds directly in place on the rails	750,510	Jan. 26	3883	843	108	913
Wherry, William H., Cleveland, Ohio. Uniting two metals	750,511	Jan. 26	3886	843	108	914
Wherry, William H., Cleveland, Ohio. Flux	750,512	Jan. 26	3890	-----	108	915
Wherry, William H., assignor to Forest City Electric Company, Cleveland, Ohio. Former for rail-bonds.	766,207	Aug. 2	114	21	111	1066
Whetham, Charles, Ruskin, Canada. Photographic-printing frame	754,266	Mar. 8	2063	457 458	109	460
Whetstone, Cyrenius W., Alliance, Nebr. Cultivator-fender	762,968	June 21	2694	583	110	2062
Whetstone, William C., Savannah, Ga. Ventilating apparatus	770,947	Sept. 27	3470	733	112	883
Whinery, Samuel, East Orange, N. J. Apparatus for heating asphalt paving material, &c.	776,099	Nov. 29	5193	1097	113	1239
Whinery, Samuel B., et al. (See Clark, Edward B., assignor.)	769,242	Sept. 6	202	48	112	45
Whinery, Samuel B., Pittsburg, Pa. Blue-printing machine	756,753	Apr. 5	1071	239	109	1572
Whiphey, Frederick C., assignor to Whiphey Process & Engraving Co., Cincinnati, Ohio. Making printing-surfaces	756,753	Apr. 5	1071	239	109	1572
Whiphey Process & Engraving Co. (See Whiphey, Frederick C., assignor.)						
Whipple, Allen D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Manufacture of small incandescent lamps	759,650	May 10	2106	445 446	110	508
Whipple, Charles E., North Charleston, N. H. Chair	776,976	Dec. 6	1029	221	113	1656

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Whipple, Frank B., Geneseo, N. Y. Fishing apparatus.	757,077	Apr. 12	1716	372	109	1723
Whipple, James C., Chicago, Ill. Curtain-stretcher structure.	772,687	Oct. 18	2970	652	112	1638
Whisenunt, James S., Epley, Miss. Ash-pan for locomotives.	755,974	Mar. 29	5597	1192	109	1948
Whitaker, Channing, Tyngsboro, assignor to Lowell Machine Shop, Lowell, Mass. Stop-motion for twisting frames.	753,398	Dec. 1	220	50	109	50
Whitaker, Edward, Cumberland, Iowa. Railway-gate.	778,161	Mar. 20	3364	739	113	2185
Whitaker, John. (See Dy Arman, George W., assignor.)						
Whitaker, Richard, assignor of two-thirds to R. W. and J. W. Johnson, New Brunswick, N. J. Condensing-coil.	749,247	Jan. 12	1414	303	108	344
Whitaker, Richard, assignor of two-thirds to R. W. and J. W. Johnson, New Brunswick, N. J. Ground joint.	757,376	Apr. 12	2325	508	109	1854
Whitall, Frank M., assignor of fifty-five one-hundredths to S. R. Whitall and J. R. Edson, Washington, D. C. Treating and dissolving wurtzite.	768,101	Aug. 23	4036		111	1991
Whitall, Samuel R., et al. (See Whitall, Frank M., assignor.)						
Whitcher, Charles H., Ipswich, Mass. Thread-presenting mechanism for knitting-machines.	735,975	Mar. 29	5399	1192 1193	109	1248
Whitcher, Frank W. (See Chandler, Edwin M. S., assignor.)						
Whitcher, Frank W. (See Hall, William W., assignor.)						
Whitcomb, Alonzo W., Worcester, Mass. Driving connection for metal-planing machines.	773,240	Oct. 25	4245	898	112	1943
Whitcomb, Clark A., assignor to Horner Brothers and E. D. Rhodes, Ypsilanti, Mich. Shoe-rack.	752,368	Feb. 16	2979	663	108	1741
Whitcomb, Horace V. (See Frazee and Whitcomb.)						
Whitcomb, Marten H., et al. (See Houghton, Charles L., assignor.)						
Whitcomb, William W., Boston, Mass. Brake-shoe.	773,697	Nov. 1	313	69	113	75
White, Albert L., Chicago, Ill. Folding organ.	776,004	Nov. 29	5018	1058	113	1200
White, Alfred J., assignor to Williams Foundry and Machine Company, Akron, Ohio. Attachment for vulcanizers.	776,819	Dec. 6	710	157	113	1583
White, Arthur, Sheboygan Falls, Wis. Spring-seat for iron.	764,695	July 12	1644	395	111	375
White, Arthur E. and V. Miller, Chicago, Ill.; said Miller assignor of one-half to said White. Reclining cot or lounge.	753,815	Mar. 1	1201	270	109	258
White, Branch A. (See Hamilton, Levi W., assignor.)						
White, Bruce C., Pittsburg, Pa. Apparatus for slaking lime.	773,834	Nov. 1	574	124	113	132
White, Burdette J., Westfield, Mass. Feed-water heater.	774,997	Nov. 15	2872	613	113	673
White, Charles J., New Britain, Conn. Hose-supporter.	777,874	Dec. 20	2801	615	113	2068
White, Cullen D., Union City, Tenn. Thill-support.	758,160	Apr. 26	3889	844	109	2231
White, D. C. (See Rodehaver, Oscar F., assignor.)						
White, Daniel M., Malden, Mass. Tuning device.	769,853	Sept. 13	1372	263	112	339
White, Edgar N., Oakland, Cal. Crude-oil burner.	762,969	June 21	2694	584	110	2062
White, Edward, Stoughton, Mass. Shoe-tree.	765,910	July 26	4025	860	111	916
White, Edward L., Englewood, N. J. Paraffining apparatus.	767,026	Aug. 9	1828	384	111	1467
White, Edward W., Chicago, Ill. Exercising-machine.	770,994	Sept. 27	3557	749	112	852
White, Edward V., San Antonio, Tex. Frame for motor-bicycles.	772,595	Oct. 18	2792	615	112	1600
White, Edwin M., Pittsburg, Pa. Nut-lock.	761,738	June 7	220	44	110	1488
White, Emory C., Montclair, N. J. Printing on infatiable articles.	763,976	Mar. 29	5402		109	1248
White, Frank, and F. Winkler, Newark, N. J.; said Winkler assignor to said White. Can-opener.	765,450	July 19	3108	650 651	111	708
White, Frank C. (See Curry, James, assignor.)						
White, Frank C., Meriden, Conn. Mechanical music-sheet.	759,575	May 10	2017	413	110	475
White, Frank C., Meriden, Conn. Division indicator for mechanical musical instruments.	759,576	May 10	2019	413	110	476
White, Frank C., Meriden, Conn. Mechanical music-playing instrument.	764,221	July 5	641	130	111	142
White, Frank H., Philadelphia, Pa. Fastening for handles of suit-cases, &c.	773,835	Nov. 1	577	125	113	132
White, Frank H., Halloway, Ky., assignor of one-half to W. J. and W. C. Price, Mound City, Ill. Brake.	772,988	Oct. 25	3370	773	112	1788
White, Franklin P., Shalotte, N. C. Wheel.	766,302	Aug. 2	231	69	111	1114
White, Franklin R., assignor to Platt Brothers and Company, Waterbury, Conn. Button.	765,217	July 19	2642	550	111	609
White, Franklin R., assignor to Patent Button Company, Waterbury, Conn. Button.	767,461	Aug. 16	2692	565	111	1673
White, Fred H., Easton, and S. W. Rork, assignors to Chickering & Sons, Boston, Mass. Adjustable frictional support for piano-desks, &c.	760,831	May 24	4494	957	110	1055
White, Frederick C., Chicago, Ill. Apparatus for printing from photographic negatives.	764,090	July 5	358	69	111	79
White, George, Jersey City, N. J. Time-recorder.	754,401	Mar. 8	2371	518 519	109	535
White, George, Jersey City, N. J., assignor, by mesne assignments, to Engraving Machine Company. Producing interchangeable letter or figure dies.	764,170	July 5	521	103	111	115
White, George T., Colfax, Iowa. Mining-pick.	748,901	Jan. 5	664	147	108	149
White, George T., Colfax, Iowa. Mining-pick.	760,958	May 24	3979	846	110	946
White, George W., Huntsville, Ala. Machine for canceling stamps and postmarking mail.	777,270	Dec. 13	1575	382	113	1791
White, George W., Footscray, assignor to J. Wagglein, Burwood Road, Hawthorn, Victoria, Australia. Hose-coupling.	762,788	June 14	2325	508	110	1961
White, Harold C. (See Lloyd and White.)						
White, Harold C. (See Wright and White.)						
White, Harold C., assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Switch for electric circuits.	771,344	Oct. 4	241	53	112	1012
White, Harold E., Schenectady, N. Y., assignor to General Electric Company. Train-control system.	758,230	Apr. 26	4017	872 873	109	2257
White, Harold E., Schenectady, N. Y., assignor to General Electric Company. Controlling-switch.	773,836	Nov. 1	579	125	113	133
White, Harrie C. (See White, Hawley C. and H. C.)						
White, Harry W., Youngstown, Ohio. Boiler.	756,754	Apr. 5	1073	239	109	1572
White, Hawley C., North Bennington, Vt., assignor to H. C. White Co. Lens-setting for stereoscopes.	748,676	Jan. 5	228	54	108	50
White, Hawley C., and A. H. Mallison, North Bennington, Vt., assignors to H. C. White Co. Photographic-printing apparatus.	753,455	Mar. 1	438	103	109	96
White, Hawley C., and A. H. Mallison, North Bennington, Vt., assignors to H. C. White Co. Photographic-printing apparatus.	757,798	Apr. 19	3183	691	109	2057
White, Hawley C., and H. C. White, assignors to H. C. White Co., North Bennington, Vt. Stereographic-mounting frame.	759,949	May 17	2734	574	110	649
White, Henry, Marion, Ohio. Smoke-consumer.	766,749	Aug. 2	1246	265	111	317
White, Henry, Marion, Ohio. Lime and sediment extractor.	766,750	Aug. 2	1247	266	111	318
White, Henry, Marion, Ohio. Portable engine.	774,625	Nov. 8	2079	453	113	477
White, Henry K. Jr., and J. R. Harbeck, assignors to Gem Fibre Package Company, Detroit, Mich. Container-top.	765,360	July 19	2714	565	111	624

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White, Howard, assignor of two-thirds to C. M. Strain and W. P. & E. J. Davidson, Crawfordville, Iowa. Disk-sharpener	751,590	Feb. 9	1494	340	108	1395
White, Hugh, assignor of one-half to W. Scott, Chicago, Ill. Lacing	764,874	July 12	1999	412	111	454
White, Jacob, Marion, Ohio. Hoist	758,737	May 3	3292	57, 58	111	775
White, James, Cleveland, Ohio. Cooling device for explosive-engines	754,728	Mar. 15	3042	664	109	675
White, James D., London, England. Printing-telegraph receiver	751,363	Feb. 2	1092	248	108	1290
White, James D., London, England. Printing-telegraph receiver	757,377	Apr. 12	2335	508	109	1854
White, James D., London, England. Type-writing machine	765,532	July 19	3260	684	111	742
White, James D., London, England. Printing-telegraph	767,322	Aug. 9	2407	505	111	1591
White, James D., London, England. Type-writing machine	775,739	Nov. 22	4474	947	113	1063
White, James H., Sunset, Tex. Wheel	768,889	Aug. 30	5661	1190	111	2371
White, James H., Hendersons Crossroads, Tenn. Insecticide	773,391	Dec. 27	3829	.....	113	2301
White, James H., assignor to A. J. Oettinger, Boston, Mass. Detachable shoulder-rest for violins or other instruments	755,977	Mar. 29	5402	1193	109	1248
White, James K., Mansfield, Ohio. Grain-separator	754,729	Mar. 15	3043	664	109	699
White, James K., and G. W. Pyle, Mansfield, Ohio. Grain-separator	755,978	Mar. 29	5405	1194	109	1249
White, Jeremiah D., Philadelphia, Pa. Support or holder for nursing-bottles	751,233	Feb. 2	852	195	108	1239
White, Joel K. (See Daub and White.)						
White, John, Edinburgh, Scotland. Pulp-beating engine	757,585	Apr. 19	2766	605	109	1965
White, John B. (See Thompson, Robert J., assignor.)						
White, John C., Marysville, Cal. Draper	756,548	Apr. 5	694	149	109	1489
White, John F., Buffalo, assignor to General Chemical Company, New York, N. Y. Manufacturing sodium sulfid	755,201	Mar. 22	3903	.....	109	902
White, John H., Englewood, N. J. Artificial straw	754,948	Mar. 15	3459	757	109	791
White, Joseph, et al. (See Cooke, Daniel J., assignor.)						
White, Joseph, et al. (See Goodman, Henry E., assignor.)						
White, Joseph, New York, N. Y. Printing-machine	770,486	Sept. 20	2560	545	112	610
White, Joseph, New York, N. Y. Printing-machine	770,487	Sept. 20	2564	546	112	611
White, Joseph, New York, N. Y. Printing-machine	770,488	Sept. 20	2576	546	112	616
White, Joseph, New York, N. Y. Printing-machine	774,296	Nov. 8	1472	316	113	348
White, Joseph, assignor to R. Hoe, New York, N. Y. Printing-machine	753,947	Mar. 8	1465	330	109	337
White, Joseph W., Brighton, Iowa. Corn-planter	760,465	May 17	3331	612	110	694
White, Laura C. (See Montell, May, assignor.)						
White, Laura R., Ashland, Ky. Back and head rest for invalids	775,482	Nov. 22	3938	832	113	946
White, Lewis B. (See Mylin and White.)						
White, Morris C. (See Duryea and White.)						
White, Morris C., and O. C. Duryea, assignors to National Fire Piston Engine Company, (Limited), Los Angeles, Cal. Vaporizer for explosive-engines	760,673	May 24	4160	884	110	984
White, Moses H., assignor to Turbine Irrigation Company, Everett, Wash. Water-motor	764,403	July 5	1013	206	111	225
White, Orlando D., Chicago, Ill. Spring	755,723	Mar. 29	4904	1092	109	1137
White, Raleigh P., Kansas City, Mo. Baling-press	766,303	Aug. 2	335	65, 70	111	1114
White, Raleigh P., Kansas City, Mo. assignor to Eagle Manufacturing Company. Baling-press	765,533	July 19	3274	685	111	743
White, Richard B., Winchester, Tenn. Corn-harvester	769,578	Sept. 6	848	182	112	192
White, Roger S., Philadelphia, Pa., assignor to General Electric Company. Demand-meter	757,000	Apr. 12	1567	343	109	1691
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Apparatus for generating kerosene-vapor	752,137	Feb. 16	2539	566	108	1640
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Compound engine	753,021	Feb. 23	4296	955	108	2049
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Driving-rod mechanism	753,022	Feb. 23	4298	955	108	2050
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Heating-burner for steam-generators or the like	753,023	Feb. 23	4301	955	108	2051
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Cross-head	753,024	Feb. 23	4302	956	108	2051
White, Rollin H., assignor to White Sewing Machine Company, Cleveland, Ohio. Steam-automobile	768,320	Aug. 23	4462	937	111	2083
White Sewing Machine Company. (See Grothe, William, assignor.)						
White Sewing Machine Company. (See White, Rollin H., assignor.)						
White, Thomas S., West Frankfort, and M. M. Neal, Benton, Ill. Railway-gate	755,323	Mar. 22	4015	890	109	920
White, Wallace, Lawrence, Mass. Pulp-beater	760,503	Aug. 2	861	180	111	1329
White, Wallace, Lawrence, Mass. Paper-drier	767,618	Aug. 16	3013	629	111	1745
White, Walter S., Jamestown, N. Y. Boot or shoe cleaner	769,098	Aug. 30	5962	1248	111	2440
White, Walter S., Jamestown, N. Y., assignor to I. S. Sherwin, Pittsburg, J. E. Stewart, J. W. Ely, D. D. Wakelee, T. H. Russell, Washington, and A. N. Hepler, Charleston, Pa. Boot or shoe cleaner	766,784	Aug. 2	1335	282	111	1388
White, Warren B., Boston, Mass. Bed-bottom	768,321	Aug. 23	4464	937	111	2094
White, William B. (See Kurz, August W., assignor.)						
White, William B. (See Schwier, Benjamin F., assignor.)						
White, William J., and N. M. Watson, Detroit, Mich.; said Watson assignor to said White. Mounting-machine	772,853	Oct. 18	3290	718	112	1708
White, William N. (See Morris, Jesse T., assignor.)						
Whitecar, David. (See Jack, William, assignor.)						
Whitehead, Aura E., assignor to Farrand Organ Company, Detroit, Mich. Adjustable pedal for mechanical piano-players	756,755	Apr. 5	1074	239	109	1573
Whitehead, Frederick L., Butte, Mont. Rock-drill	766,564	Aug. 2	864	181	111	1230
Whitehead, Gilbert H. (See Hyde, Thomas G., assignor.)						
Whitehead & Hoag Company. (See Conklin, Edward D., assignor.)						
Whitehead & Hoag Company. (See Hoag, Chester R., assignor.)						
Whitehead & Hoag Company. (See McLean, John, assignor.)						
Whitehead & Hoag Company. (See Weber, John, assignor.)						
Whitehead, Joseph, Farmington, Ill. Mine-track system	770,882	Sept. 27	3344	706	112	804
Whitehead, Joseph H. (See Bone and Whitehead.)						
Whitehill, Mary E., administratrix. (See Whitehill, Robert.)						
Whitehill, Neils. (See Planer and Whitehill.)						
Whitehill, Robert, deceased; M. E. Whitehill, Newburgh, N. Y., administratrix. Rocking valve	778,207	Dec. 20	3448	758	113	2200
Whitehorne, William R., Bethlehem, Pa. Telephone system	775,201	Nov. 15	3233	704	113	776
Whitehorne, William R., Bethlehem, Pa. Current-controlling system	776,878	Dec. 6	842	181	113	1612
Whitehouse, George H., Seattle, Wash. Adjustable level	776,483	Nov. 22	3940	832	113	946

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Whitehouse, Harry B., Omaha, Nebr., assignor to National Cash Register Company, Jersey City, N. J. Index-card holder for cash-registers.....	771,389	Oct. 4	132	80	112	990
Whitehouse, Harry B., Omaha, Nebr., assignor, by mesne assignments, to National Cash Register Company, Jersey City, N. J. Cash-register.....	773,109	Oct. 25	3946	837	112	1876
Whitehurst, Walter I., Baltimore, Md. Friction let-off for loom-beams.....	766,086	July 26	4374	938	111	991
Whitehurst, William J. (See Coffee, Basnett M., assignor.).....						
Whitelaw, Frank S., Detroit, Mich., assignor to American Radiator Company. Boiler.....	778,617	Dec. 27	4276	933	113	2397
Whitelaw, James H., Cleveland, Ohio. Card game.....	775,072	Nov. 15	3027	642	113	715
Whitelaw, John, Camberwell, Victoria, Australia. Non-refillable bottle.....	766,008	July 26	4223	901	111	958
Whitley, William N., Springfield, Ohio. Safety appliance for locomotive-engines or motor-vehicles.....	751,234	Feb. 2	854	195	108	1239
Whitley, William N., Springfield, Ohio. Grain-harvesting machine.....	757,001	Apr. 12	1569	343	109	1692
Whitley, William N., Springfield, Ohio. Crop gathering and discharging attachment for mowing-machines.....	759,950	May 17	2736	574	110	649
Whitley, William N., Springfield, Ohio. Crop gathering and discharging attachment for harvesters.....	760,504	May 24	3809	808	110	908
Whitley, William N., Springfield, Ohio. Harvester.....	765,318	July 19	3643	551	111	609
Whitley, William N., Springfield, Ohio. Harvesting-machine.....	772,486	Oct. 18	2593	570	112	1357
Whiteman, George W., Philadelphia, Pa. Fluid-pressure-actuated railway-switch, &c.....	763,832	June 25	4368	949	110	2447
Whitenack, Henry T. Witt, assignor of three-fourths to R. P. Barnard, Nokomis, H. Whitenack and B. B. Kessinger, Witt, Ill. Window-frame.....	768,234	June 21	3210	691	110	2177
Whitenack, Hugh, et al. (See Whitenack, Henry T., assignor.).....						
Whiteside, Donald I., San Francisco, Cal. Stamp-mill.....	776,159	Nov. 29	5304	1122	113	1264
Whiteside, James, New York, N. Y. Apparatus for teaching gun practice.....	751,591	Feb. 9	1495	340	108	1396
Whiteside, Thomas H., Youngstown, Ohio. Artificial tooth-crown mounting.....	751,592	Feb. 9	1498	340	108	1396
Whittett, John. (See Myers, Herbert R., assignor.).....						
Whiteway, William T., Cambridgeport, assignor of one-third to C. F. A. Smith, Boston, Mass. Ash-sifter.....	775,590	Nov. 22	4188	882	113	1001
Whitfield, Mark M., assignor to J. F. Sharp, Loraine, Ohio. Automatic railway-switch.....	754,627	Mar. 15	2334	619	109	652
Whitin Machine Works. (See Aldrich, William O., assignor.).....						
Whitin Machine Works. (See Arnold and Pratt, assignors.).....						
Whitin Machine Works. (See Holmes, Alfred, assignor.).....						
Whitin Machine Works. (See Owen, Henry A., assignor.).....						
Whitin Machine Works. (See Owen, Oscar L., assignor.).....						
Whitin Machine Works. (See Pratt, Albert K., assignor.).....						
Whiting, Allan H., Orange, N. J. Supporting and shifting battery for automobiles.....	778,560	Dec. 27	4155	906	113	2372
Whiting, C. N., et al., trustees. (See Thurston, Charles H., assignor.).....						
Whiting, Comfort L., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Mold or die for heel-compressing machines.....	764,606	July 12	1646	386	111	376
Whiting Foundry Equipment Co., Inc. (See Thomas, Arthur J., assignor.).....						
Whiting, Paul, East Las Vegas, N. Mex. Ten Combined cash-register, ticket-register, and bell ticked-punch.....	762,219	June 7	1147	246	110	1689
Whiting, Richard R., Cincinnati, Ohio. View outfit.....	765,219	July 19	2647	551	111	610
Whiting, William J., Handsworth, near Birmingham, England. Revolving firearm.....	750,743	Jan. 28	4357	941	108	1014
Whitley, Thomas S. (See Stephenson, Charles W., assignor.).....						
Whitlock Coil Pipe Company. (See Brinkman, Louis H., assignor.).....						
Whitlock Coil Pipe Company. (See Lewis, Joseph E., assignor.).....						
Whitlock, John W., Risingsun, Ind. Picker for stringed musical instruments.....	773,698	Nov. 1	314	69	113	75
Whitlock Printing Press Mfg. Co. (See Huison, Winfield S., assignor.).....						
Whitlock, Ralph G., Los Angeles, Cal. Device for holding or binding loose or removable sheets of paper.....	749,122	Jan. 5	1149	243	108	266
Whitlock, Ralph G., Los Angeles, Cal. Device for holding loose or removable sheets of paper bookwise.....	760,359	May 17	3521	741	110	826
Whitman Agricultural Company. (See Tuttle, Josiah S., assignor.).....						
Whitman & Barnes Manufacturing Co. (See Motherwell, David M., assignor.).....						
Whitman, Emerson, Lynn, Mass. Battery-cell.....	757,164	Apr. 12	1905	416	109	1766
Whitman, Ezra B. (See Williams and Whitman.).....						
Whitmarsh, Theodore F., New York, N. Y. Key-can.....	758,287	Apr. 26	4146	896	109	2285
Whitmer, John C., Lordsburg, Cal. Driving mechanism for pumps.....	753,771	Mar. 1	1064	244	109	329
Whitmore, Edward E., Chicago, Ill., assignor to Curtain Supply Company, Newark, N. J. Curtain-fixture.....	777,762	Dec. 30	3541	562	113	2016
Whitmore, Edward H. (See Wilson and Whitmore.).....						
Whitmore, Swanton C., Cambridge, assignor to S. A. Penney, Somerville, Mass. Sock-lining.....	769,810	Sept. 13	1269	272	112	304
Whitmore, Willard, Colon, Mich. Building-wall and blocks for forming same.....	763,945	June 28	4597	1004	110	2495
Whitney, Arthur E. (See McIndoe, George F. and J. W., assignors.).....						
Whitney, Arthur E. (See Whitney, Robert F., assignor.).....						
Whitney, Charles M. (See Erwin and Whitney.).....						
Whitney, Clarence E., Hartford, Conn. Drive-chain.....	769,971	Sept. 13	1583	337	112	373
Whitney, Eddy R., Lynn, Mass., assignor to General Electric Company. Commutating dynamo-electric machine.....	767,757	Aug. 16	3308	698	111	1812
Whitney, Eddy R., Lynn, Mass., assignor to General Electric Company. Electric meter.....	773,837	Nov. 1	580	125	113	133
Whitney, Frank L., assignor of one-half to F. Herman, Lincoln, Nebr. Support for throat-plates of sewing-machines.....	776,370	Nov. 29	5699	1206	113	1356
Whitney, George E., Bridgeport, Conn., assignor to Whitney Motor Wagon Company, Kittery, Me. Flash-boiler.....	754,628	Mar. 15	2856	619	109	652
Whitney, George E., Boston, Mass., assignor to Whitney Motor Wagon Company, Kittery, Me. Hydrocarbon-burner.....	755,202	Mar. 22	3904	861	109	903
Whitney, George L., et al. (See Dunn, Frederick W., assignor.).....	777,578	Dec. 13	2195	482	113	1920
Whitney, George O. (See Mason and Whitney.).....						
Whitney, Isaac. (See Flint and Whitney.).....						
Whitney, James M., Sonora, Cal. Cuspidor-lifter.....	767,619	Aug. 16	3015	630	111	1746
Whitney, John E., Radnor township, Delaware county, Pa. Chill.....	776,578	Dec. 6	224	50	113	1478
Whitney, Joseph B., New York, N. Y. Electrical stop-motion mechanism for textile machinery.....	774,012	Nov. 1	952	198	113	217
Whitney, Linwood G., New York, N. Y. Manifold sales-book.....	754,361	Mar. 8	2233	496	109	502
Whitney, Linwood G., New York, N. Y. Manifold sales-book.....	756,306	Apr. 5	227	47, 48	109	1398
Whitney, Martin G. (See Gale, Charles E., assignor.).....						
Whitney, Monroe G., Wyandot, Ill. Pad-holder.....	762,012	June 7	778	159	110	1608
Whitney Motor Wagon Company. (See Whitney, George E., assignor.).....						
Whitney, Robert F., assignor of one-half to A. E. Whitney, Winchester, Mass. Hide-working and unhairing machine.....	754,525	Mar. 15	2644	574	109	614

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Whitney, Robert F., assignor of one-half to A. E. Whitney, Winchester, Mass. Hide-working and unbarring machine.....	768,712	Aug. 30	5304	{1114 1115}	{111	2290
Whitney, William A. (See Etznye and Whitney.)						
Whitney, Willie D., Holley, N. Y. Washing-machine.....	766,477	Aug. 2	689	145	111	1190
Whitt, Thomas, Lexington, Ky. Curtain-shade adjuster.....	752,318	Feb. 16	2894	645	108	1732
Whittaker, James E. (See Ewins and Whittaker.)						
Whittaker, John. (See McCobb, William P., assignor.)						
Whittaker, Thomas R. (See Nichols and Whittaker.)						
Whittall, M. Percival, <i>et al.</i> (See Caron, Fred M., assignor.)						
Whittall, Matthew J. (See Farmer, Frederick, assignor.)						
Whittall, Matthew J. (See Giles, Joseph S., assignor.)						
Whittall, Matthew J. (See Pearsall, William, assignor.)						
Whitelsey, Henry N., New York, N. Y. Vessel-hull.....	770,838	Sept. 27	3266	688	112	786
Whittlesey, Thomas F. (See Cozzens, Charles E., assignor.)						
Whittemore, Arthur D., Redlands, Cal. Tank-car indicator.....	770,548	Sept. 20	2693	570	112	641
Whittemore, George W., Cambridge, Mass. Vehicle-tire.....	764,091	July 5	361	69	111	79
Whittemore, John Q. A. (See Burke, Charles G., assignor.)						
Whittemore, John Q. A. (See Burke, Charles G. and E. J., assignors.)						
Whittemore, John R. (See Ferrari and Whittemore.)						
Whittemore, Otis R., Arlington, Mass. Carriage for roller-coasters.....	759,053	May 3	924	187	110	211
Whitten, Jav E., Mingo Junction, Ohio. Soldering-pad for jewelers.....	768,496	Aug. 23	4828	1012	111	2169
Whitten, John H. (See Lemery, Joseph E., assignor.)						
Whittier, Arthur, Wollaston, Mass. Conductor for electric railways.....	767,534	Aug. 16	2844	{594 595}	{111	1708
Whittingham, George H., New York, N. Y. Automatic motor-controller.....	764,649	July 12	1555	317	111	356
Whittingham, George H., New York, N. Y., assignor to Automatic Switch Company of Baltimore City. Electric switch.....	757,853	Apr. 19	3283	{711 712}	{109	2077
Whittinghill, John N., Ellsworth, Ind. Track-clearer and divider.....	774,219	Nov. 8	1394	284	113	318
Whittington, George W., Indianapolis, Ind. Machine for weaving diamond-mesh fencing.....	768,102	Aug. 23	4038	{849 850}	{111	1991
Whittington, George W., Indianapolis, Ind. Fence-reel.....	771,405	Oct. 4	382	84	112	1098
Whittle, Doc L., Whittle Springs, Tenn. Bagging-machine.....	769,783	Sept. 13	1224	{263 264}	{112	295
Whittle, Henry V. (See Wheeler and Whittle.)						
Whittlesey, Edith O., <i>et al.</i> (See Whittlesey, Elisha J., assignor.)						
Whittlesey, Elisha J., assignor to H. S. Johnson, St. Paul, R. C. Smith, W. N. Carroll, Minneapolis, and E. O. Whittlesey, St. Paul, Minn. Toaster.....	767,368	Aug. 9	2495	522	111	1610
Whittlesey, George P., Washington, D. C., assignor to General Electric Company. Train-control system.....	755,822	Mar. 29	5087	1130	109	1176
Whittlesey, John J., <i>et al.</i> (See Goldsmith, Elias, assignor.)	750,924	Feb. 2	274	64	108	1118
Whitton, Beaumont S., Louisville, Ky. Chimney-cowl.....	759,789	May 10	2435	510	110	567
Whitworth, George W. (See Semm, Charles H., assignor.)						
Whorton, John R. (See Simmons and Whorton.)						
Whitner, Fred, L. (See Grotovex and Hoh, assignors.)						
Whyland, Frank V., and C. P. Hollister, Pittsfield, Mass. Regulatable power-transmission device.....	777,460	Dec. 13	1942	{429 430}	{113	1873
Whyte, Brice S., Liverpool, England. Metal barrel or cask.....	770,621	Sept. 20	2819	599	112	669
Wichert & Gardiner. (See Gardiner, George H., assignor.)						
Wichman, Henry J., Dubuque, Iowa. Shoe-shining frame.....	751,036	Feb. 2	469	110	108	1161
Wichmann, Georg, assignor to Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany, and Société Chimique des Usines du Rhone, (Ancienement Gilliard, P. Monnet et Cartier,) St. Fons, near Lyons, France. Making ortho-oxy-carbon acids.....	757,702	Apr. 19	2994	.....	109	2015
Wick, Myron C., <i>et al.</i> (See Huber, Ernst, assignor.)						
Wickelberg, Gerda H., Seattle, Wash. Skirt-spreader.....	761,803	June 7	389	79	110	1525
Wickens, Martin C. (See Hickey and Wickens.)						
Wickersham, Charles A., <i>et al.</i> (See Moritz, Adolph, assignor.)						
Wickersham, Joseph P., C. W. Tabler, and J. W. Stewart, Martinsburg, W. Va. Making insecticides.....	764,404	July 5	1015	206	111	236
Wickersham, Nathan E., West Bethlehem, Pa. Eye-shade.....	757,554	Apr. 19	3288	712	109	2078
Wickersham Quoin Company. (See Dwyer and Stephens, assignors.)						
Wicks, Jessie S. (See Morgenthaler and Wicks.)						
Wicks, William J., <i>et al.</i> (See Johnson, Andrew, assignor.)						
Wickey, Edward W., East Chicago, Ind. Automobile.....	751,235	Feb. 2	559	{136 137}	{108	1240
Wickey, Edward W., East Chicago, Ind. Frictional gearing for motors.....	773,615	Nov. 1	150	34	113	39
Wicks, Moses L., Jr., Los Angeles, Cal. Toy.....	777,992	Dec. 20	3054	672	113	2117
Wicksteed, Charles, Kettering, England. Flexible shaft.....	776,977	Dec. 6	1030	{221 222}	{113	1656
Wickstrom, Mats, Northbranch, Minn. Mail-box.....	773,110	Oct. 25	3950	{837 838}	{112	1877
Widdicombe, James H., Hamilton, Canada, assignor of three-fourths to W. H. Coon, Rochester, N. Y., G. A. Graham and C. E. Holland, Toronto, Canada. Fruit-picker.....	769,732	Sept. 13	1115	239	112	270
Widdop, Thomas, Mountainview, Wyo. Washstand.....	753,339	Mar. 1	222	50, 51	109	51
Widdop, Thomas, Burntfort, Wyo. Glazier's point.....	761,569	May 31	5027	1270	110	1387
Widdop, Thomas, Burntfort, Wyo. Glazier's tool.....	761,570	May 31	5028	1271	110	1387
Wide, Ivan, Chicago, Ill. Loose-leaf binder.....	766,304	Aug. 2	337	70	111	1114
Wide, Ivan, Chicago, Ill. Loose-leaf binder.....	768,255	Aug. 23	4399	913	111	2057
Wideman, Gustavus, Aurora, Ill. Lifting-jack.....	767,535	Aug. 16	2846	595	111	1708
Wideman, Gustavus, assignor to Wilcox Manufacturing Company, Aurora, Ill. Self-closing fire-door.....	751,593	Feb. 9	1499	341	108	1396
Widenhofer, Michael J., Perkasio, Pa. Toaster, broiler, &c.....	776,283	Nov. 29	5540	1173	113	1818
Wider, Otilie, Philadelphia, Pa. Belt.....	776,631	Dec. 6	332	71	113	1502
Widman, Frank J., Chicago, Ill. Automatic wood-carving machine.....	770,839	Sept. 27	3267	689	112	786
Widness, Lawrence J., New York, N. Y. Bottle-brush.....	772,302	Oct. 11	2198	480	112	1440
Widney, Ralph L., Lakarpo, Ill. Fowl-watering fountain.....	774,626	Nov. 8	3082	433	113	476
Wiebe, John, Whitewater, Kans. Treadle mechanism for light machinery.....	749,651	Jan. 12	2237	471	108	520
Wieda, Ernst F. W., Paterson, N. J. Kneading and mixing machine.....	764,650	July 12	1559	{317 318}	{111	357
Wieda, Ernst F. W., Paterson, N. J. Machine for packaging candies or the like.....	768,103	Aug. 23	4045	851	111	1992
Wieda, Ernst F. W., Paterson, N. J. Candy-packaging machine.....	768,104	Aug. 23	4049	852	111	1994
Wiedeke, Gustav, Dayton, Ohio. Tube-expander.....	771,889	Oct. 11	1339	303	112	1259

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Wiedeke, Gustav, Dayton, Ohio. Tube-cutter	778,293	Dec. 27	3633	793	113	2259
Wiedemann, Martin F., Burlington, Iowa. Journal-bearing	772,075	Oct. 11	1738	387	112	1347
Wiedenbeck, Siegmund T. (See Neubert and Wiedenbeck.)						
Wiedenfeld, August, Bochum, Germany. Magnetic lock for miners' safety-lamps	749,123	Jan. 5	1151	244	108	266
Wiedenfeld, August, Bochum, Germany. Miner's safety-lamp	768,497	Aug. 23	4830	1012	111	2170
Wiederhold, Oscar. (See Mulch and Wiederhold.)						
Wiedersheim, John A., Philadelphia, Pa. Snow shovel and melter	768,923	Aug. 30	5729	1204	111	2388
Wiegand, Henry J., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Rheostat	756,445	Apr. 5	516	107	109	1452
Wiegand, Wilhelm T., assignor to Elmer & Amend, New York, N. Y. Stop-cock	764,322	July 5	828	169	111	183
Wiekamp, John H., Mishawaka, Ind. Cutting apparatus for mowing-machines	757,586	Apr. 19	2767	605	109	1966
Wienke, Ferdinand, Odin, Ill. Plow	737,855	Apr. 19	3389	712	109	2078
Wiens, John P. (See Gage, John W., assignor.)						
Wieringa, Samuel, Watseka, Ill. Sap-evaporator	756,549	Apr. 5	696	150	109	1490
Wiersching, Edward H., and C. J. Bergstrom, Binghamton, N. Y. Theater-chair	775,879	Nov. 22	4736	1003 1004	113	1117
Wiesbader, Isidor. (See Biber, Wilhelm, assignor.)						
Wiese, Hermann. (See Joehnk and Wiese.)						
Wiesebrook, Frederick W. A., New York, N. Y. Valve	760,594	May 24	3980	846 847	110	946
Wiesebrook, Frederick W. A., New York, N. Y. Cut-off apparatus for gas or liquid supply pipes	760,595	May 24	3982	847	110	947
Wiesen, Franc M., and J. S. Crisp, Cryer Creek, Tex. Insect-destroyer	763,823	June 28	4370	950	110	2447
Wiesefeld, Robert S., Baltimore, Md. Beer or water cooler	760,716	May 24	4248	962	110	1004
Wieser, Joseph, assignor to one-half to K. Fink, New York, N. Y. Pneumatic self-playing attachment for piano	762,013	June 7	779	100	110	1608
Wieser, Karl, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Projectile	750,328	Jan. 26	3555	709	108	843
Wieser, Karl, Rüttenscheid, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Percussion-fuse for exploding shells	750,785	Jan. 26	4451	959	108	1036
Wieser, Karl, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Percussion-fuse for exploding shells	757,105	Apr. 12	1905	416	109	1766
Wieser, Karl, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Essen-on-the-Ruhr, Germany. Protecting-cap for fuses of projectiles	764,405	July 5	1017	207	111	226
Wieser, Karl, Rüttenscheid, near Essen-on-the-Ruhr, assignor to F. Krupp, Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Time-fuse	776,100	Nov. 29	5194	1097	113	1239
Wiesman, Lester A., assignor of two-thirds to E. Kohl and A. Fox, Cleveland, Ohio. Combined level and square	752,014	Feb. 9	2322	519	108	1573
Wiesner, Frederick E., Washington, D. C. Door-securer	754,267	Mar. 8	2067	458	109	1461
Wiesner, Henry, Chicago, Ill. Elastic-fluid turbine	767,671	Aug. 16	3103	649	111	1765
Wiesner, Oscar C. (See Hale, George C., assignor.)						
Wiest, Daniel C., Mohrsville, Pa. Compound rotary engine	778,091	Dec. 20	3234	711	113	2155
Wigder, Moses, et al. (See Selikowitz, Louis, assignor.)						
Wiggins, Charles. (See Highers, Charles, assignor.)						
Wight, James M. (See Hyatt and Wight.)						
Wight, James M., and H. Hyatt, Cleveland, Ohio. Gas-producer	753,340	Mar. 1	923	51	109	51
Wight, James M., and H. Hyatt, Cleveland, Ohio. Valve for regenerative furnaces	757,002	Apr. 12	1573	344	109	1692
Wight, Rolando H., Delta, Colo. Vehicle running-gear	774,122	Nov. 1	1160	247	113	262
Wight, William N., New York, N. Y. Reinforced beams, &c., and grillage therefor	756,309	Apr. 5	230	48	109	1394
Wight, William N., New York, N. Y. Floor or ceiling	758,577	Apr. 26	4721	1018	109	2414
Wight, William N., and F. E. Townsend, New York, N. Y. Reservoir-bottom and expansion-joint	749,765	Jan. 19	2476	530	108	591
Wight, William N., and F. E. Townsend, New York, N. Y. Floor and building same	758,728	May 3	293	58	110	75
Wightman, Charles H. (See Hendricks, Omer S., assignor.)						
Wightman and Hough Company. (See Hough, Herbert D., assignor.)						
Wightman, Merle J., assignor to Pyro Electric Company, New York, N. Y. Thermo-electric generator	773,838	Nov. 1	581	125 126	113	133
Wightman, Merle J., assignor to Pyro Electric Company, New York, N. Y. Thermo-electric generator	773,839	Nov. 1	586	126	113	134
Wigtel, Carl, assignor to F. H. Stillman, Brooklyn, N. Y. Hydraulic rail-bonding tool	763,531	June 28	3794	821	110	2324
Wigzell, Eustace E., London, England. Instrument for taking soundings	753,948	Mar. 8	1472	330 331	109	340
Wikstrom, Malcolm, and A. C. Morse, assignors to Shelby Steel Tube Company, Shelby, Ohio. Apparatus for making tubes	773,816	Dec. 27	4639	1013 1014	113	2480
Wilbur, Burr, Syracuse, N. Y. Anchor for guy-wires	761,277	May 31	5391	1147	110	1266
Wilbur, Samuel P. (See Baker and Wilbur.)						
Wilburn, Hugh H., North Yakima, Wash. Well-drilling machine	763,824	June 28	4371	950	110	2447
Wilcher, Asa, Everett, Mass. Attachment for bedsteads	755,264	Mar. 22	4018	890 891	109	927
Wilcomb, Frank, Norristown, Pa. Circular spring-needle knitting-machine	763,825	June 28	4372	951	110	2448
Wilcomb, Frank, assignor to H. C. Coleman, Norristown, Pa. Stop-motion for knitting-machines	766,305	Aug. 2	339	70	111	1115
Wilcomb, Frank, assignor to H. C. Coleman, Norristown, Pa. Stop-motion for knitting-machines	766,306	Aug. 2	341	71	111	1116
Wilcomb, Frank, assignor to H. C. Coleman, Norristown, Pa. Stop-motion knitting-machine	776,445	Nov. 29	5554	1237	113	1391
Wilcox, Camden L., West Williamsfield, Ohio. Lawn-mower	773,359	Oct. 25	4485	950	112	1994
Wilcox, Edward M., assignor to K. Wilcox, Tiffin, Ohio. Stopper-puller	771,345	Oct. 4	242	54	112	1012
Wilcox, Elijah A., New York, N. Y. Display-cabinet	757,003	Apr. 12	1575	345	109	1693
Wilcox, Frank E., Mechanicsburg, Pa. Vehicle-gear	766,307	Aug. 2	344	72	111	1116
Wilcox, Frank E., Mechanicsburg, Pa., and W. A. Hunter, Terre Haute, Ind. Vehicle-shaft and clip	763,582	June 28	3892	844	110	2345
Wilcox, Henry, Newark, N. J. Display article	778,208	Dec. 20	3450	738	113	2200
Wilcox, Henry, assignor of one-half to W. D. Donovan, Newark, N. J. Razor stropping and honing machine	749,467	Jan. 12	1903	336	108	448
Wilcox, Henry, Newark, N. J., assignor, by mesne assignments, to Schatz Hardware Manufacturing Company of West Virginia, Chappaqua, N. Y. Manicure-tool	766,859	Aug. 9	1514	316	111	1396
Wilcox, Henry, assignor to Wilcox Novelty Company, Newark, N. J. Manicure nail-clipper	770,032	Sept. 13	1697	360	112	400
Wilcox, John L., Seattle, Wash. Level	764,062	July 5	862	70	111	80
Wilcox, John M., Cleveland, Ohio. Car-axle	760,505	May 24	3813	808	110	909
Wilcox, John T., Carlstadt, N. J. Hair-dressing device	754,919	Mar. 15	3461	788	109	791
Wilcox, Kittie. (See Wilcox, Edward M., assignor.)						
Wilcox, Lewis C., Trenton, N. J. Tool-holder	777,359	Dec. 13	1760	391	113	1832

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Wilcox Manufacturing Company. (See Richards, Marcus C., assignor.)						
Wilcox Manufacturing Company. (See Spiller, William H., assignor.)						
Wilcox Manufacturing Company. (See Wideman, Gustavus, assignor.)						
Wilcox, Norris. (See Low and Wilcox.)						
Wilcox Novelty Company. (See Wilcox, Henry, assignor.)						
Wilcox & White Company. (See Davis, Charles L., assignor.)						
Wilcox, William P., assignor of one-half to J. E. Hubbell, Syracuse, N. Y. Axle	753,816	Mar. 1	1204	270	109	258
Wilcoxson, Samuel N., Collinwood, Ohio. Signal operated by car-brake beams	753,398	Apr. 26	4932	938	109	2332
Wilcoxson, Samuel N., Collinwood, Ohio. Brake-operated signal or tail light.	773,729	Dec. 27	4468	978	113	2441
Wild, Irving L., Brooklyn, N. Y. Dress-shield	759,577	May 10	2021	413	110	477
Wild, Joseph G., assignor to Winchester Repeating Arms Co., New Haven, Conn. Alkaline lubricant for oiling guns	768,835	Aug. 30	5552		111	2346
Wild, William E. (See Bailey and Wild.)						
Wild, William E., Denver, Colo. Ore-mill.	752,138	Feb. 16	2540	566	108	1641
Wild, William E., Denver, Colo. Rock-breaker	757,004	Apr. 12	1577	345	109	1693
Wilde, Daniel, Washington, Iowa. Sash-lock	757,856	Apr. 19	3290	712	109	2079
Wilde, Daniel, Washington, Iowa. Door-fastener	774,627	Nov. 8	2083	454	113	478
Wilde, Karl A., Hamburg, Germany. Electromagnetic rail-brake	755,203	Mar. 22	3905	862	109	908
Wilder, Orlin J., and H. Vanderveer, Grand Rapids, Mich. Roof for buildings	756,736	Apr. 5	1076	280	109	1573
Wilder, William H., Gardner, Mass. Igniter for oil-stoves	757,703	Apr. 19	2995	651	109	2015
Wilderman, George W., assignor of one-half to R. A. Thiebaud, Portland, Oreg. Hydraulic flume for mining fine material.	771,792	Oct. 4	1129	251	112	1200
Wilderman, Joseph M., St. Louis, assignor of one-half to L. J. Ringe, St. Charles, Mo.						
Wilderson, Clinton G. (See Harrold and Wilderson.)	775,358	Nov. 22	3678	781	113	899
Wilderspin, Edward D., Detroit, Mich. Vehicle-wheel.	761,804	June 7	390	79	110	1526
Wildey, Edward M., Sydney, New South Wales, Australia. Manifold sales-book.	765,408	July 19	3015	631	111	688
Wilding, Edwin. (See Davies and Wilding.)						
Wildman, Leonard D., U. S. Army. Wireless telegraphy	764,093	July 5	264	70	111	80
Wildman, Leonard D., U. S. Army. Wireless telegraphy	764,094	July 5	268	70	111	80
Wildmann, Adolph, assignor of one-half to H. Lampel, New York, N. Y. Placket-closing device	770,667	Sept. 20	2916	620	112	692
Wildsmith, Edward T., Birmingham, Ala. Eaves-trough clamp	766,087	July 26	4575	938	111	991
Wile, Herbert, et al. (See Wile, John H., assignor.)						
Wilehart, Frank, Oregon City, Oreg. Shoe-lace fastener.	772,854	Oct. 18	3294	719	112	1708
Wilehart, Frank J. (See Wilehart, George R., assignor.)						
Wilehart, George R., assignor of one-half to F. J. Wilehart, The Dalles, Oreg. Valve.	751,364	Feb. 2	1099	248	108	1291
Wilensky, Barnett, et al. (See Selikowitz, Louis, assignor.)						
Wiles, Edwin B., Chicago, Ill. Tool-hanger	757,987	Apr. 19	3541	766	109	2134
Wiles, J. J. (See Massey and Spooner, assignors.)						
Wiles, Robert H., Chicago, Ill. Apparatus for purifying water.	767,093	Aug. 9	1984	413	111	1501
Wiles, Robert H., assignor to Kennicott Water Softener Company, Chicago, Ill. Apparatus for purifying water.	769,972	Sept. 13	1584	398	112	373
Wiles, William J. (See Stewart and Wiles.)						
Wiley, George E., and W. J. Coley, Saltville, Va. Means for propelling bicycles.	751,236	Feb. 2	861	197	108	1240
Wiley, George P., Brooklyn, N. Y. Calculator.	760,360	May 17	3523	742	110	826
Wiley, John I., Denver, Colo. assignor to A. A. Phipps, New York, N. Y. Advertising display apparatus.	764,510	July 5	1285	253	111	270
Wiley & Russell Manufacturing Company. (See Smart, Albert J., assignor.)						
Wiley, William, Sioux City, Iowa. Smoke-consumer	774,297	Nov. 8	1475	316	113	349
Wiley, William T., San Francisco, Cal. Fruit-jar-cover holder	759,336	May 10	1549	317	110	373
Willey, Arthur R. (See Cammett and Shepard, assignors.)						
Willey, Arthur R. (See Smith, Jacob J., assignor.)						
Wilfong, Isaac N., Jr., Philadelphia, Pa. Combined air-compressor and storage-tank	755,556	Mar. 22	4542	1011	109	1040
Wilhelm, Bartholomew, Menasha, Wis. Washing-machine	770,706	Sept. 20	2987	635	112	707
Wilhelm, Emma E., Milwaukee, Wis. Noiseless pencil-case	766,308	Aug. 2	345	72	111	1116
Wilhelm, Louis, Worcester, Mass. Lens-grinding machine.	768,713	Aug. 30	5307	1115	111	2291
Wilhelm Telephone Manufacturing Company. (See Wilhelm, Walter L., assignor.)						
Wilhelm, Walter L., assignor to Wilhelm Telephone Manufacturing Company, Buffalo, N. Y. Telephone-transmitter	757,799	Apr. 19	3185	692	109	2057
Wilhelmi, Johannes, Hamburg, Germany. Condensing air-pump	758,801	May 3	443	88	110	109
Wilhelmi, Otto, Berlin-Zehlendorf, assignor to Gesellschaft für Kabelschutz-Anlagen, G. M. B. H., Berlin, Germany. Making conduits.	771,594	Oct. 4	740	165	112	1117
Wilhelmsen, Christian P., Yazoo City, Miss. Sprocket-wheel	770,206	Sept. 13	2017	426	112	470
Wilhitte, Lemuel M., Benchley, Tex. Plow	765,115	July 12	2457	513	111	550
Wilke, Ferdinand, assignor of one-half to W. C. Lilly, Akron, Ohio. Automatic gas-valve	755,265	Mar. 22	4091	891	109	927
Wilke, Richard, Brunswick, Germany. Device for the propulsion of cranes	752,939	Feb. 23	4134	921	108	2011
Wilke, Richard, Brunswick, Germany. Track or the like for cranes.	758,399	Apr. 26	4363	939	109	2333
Wilken, Robert A., Hammond, Ind. Apparatus for raising water	776,711	Dec. 6	488	107	113	1535
Wilkins, John D., Chicago, Ill. Third-rail electric-railway system.	756,737	Apr. 5	1078	240	109	1573
Wilkes, Frederick H., Medford, Mass. Lap-robe	777,825	Dec. 20	2687	591	113	2046
Wilkie, R. S. (See McDermott, Michael J., assignor.)						
Wilkin, Theodore S., Milwaukee, Wis. Sawmill set-works	764,095	July 5	269	70	111	81
Wilkin, Theodore S., Milwaukee, Wis. Sawmill set-works	777,232	Dec. 13	1510	335	113	1777
Wilkin, William B., Mobile, Ala. Gang-saw mill	761,344	May 31	5519	1176	110	1294
Wilkin, William M., Mobile, Ala. Press-roll mechanism	752,638	Feb. 16	3514	781	108	1856
Wilkin, William M., Mobile, Ala. Band-saw mill	770,136	Sept. 13	1877	399	112	439
Wilkin, William M., Mobile, Ala. Log-turning mechanism	778,522	Dec. 27	4094	892	113	2359
Wilkins, Charles B., Cincinnati, Ohio. Curtain-pole fixture	772,448	Oct. 18	2503	547	112	1538
Wilkins, Charles L., and M. J. Weber, assignors to Ohio Pump & Brass Co., Columbus, Ohio. Water-motor	766,978	Dec. 6	1031	222	113	1656
Wilkins, David J., Muncie, Ind. Non-refillable bottle	752,495	Feb. 16	3221	719	108	1790
Wilkins, E. Ward. (See Clark, Ernest D., assignor.)						
Wilkins, Earle, Dawson, N. Mex. Tex. Map study.	752,739	Feb. 23	3712	828	108	1918
Wilkins, Elizabeth P., Baltimore, Md. Amalgamator	777,233	Dec. 13	1513	335	113	1778
Wilkins, Julia F., Simpsonville, Tex. Combined cane and umbrella.	752,740	Feb. 23	3714	829	108	1918
Wilkins, Roy A., Portland, Oreg. Musical instrument	760,288	May 17	3400	717	110	799

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Wilkins, Theodore, New York, N. Y. Knife-sharpening device	769,723	Sept. 13	1116	240	112	270
Wilkins, Thomas M., assignor to Automatic Boiler Feed Company, Seattle, Wash. Water-feed for steam-boilers	769,368	Sept. 6	458	102	112	102
Wilkins, Thomas M., assignor to Automatic Boiler Feed Company, Seattle, Wash. Feed-water regulator	772,303	Oct. 11	2199	480	112	1450
Wilkins, William A., Marietta, Ind. Ter. Buggy-top	749,008	Jan. 5	907	191	108	212
Wilkinson, Charles H., Huddersfield, England. Machine for setting staples, nails, &c.	749,956	Jan. 19	2849	606	108	670
Wilkinson, Fred, Petone, New Zealand. Fiber-pulling machine	765,723	July 26	3671	783	111	839
Wilkinson, George C., Plattsburg, N. Y. Motor-cycle	752,741	Feb. 23	3716	889	108	1919
Wilkinson, Henry, New Bedford, assignor to Draper Company, Hopedale, Mass. Shuttle-checking means for looms	766,478	Aug. 2	691	145	111	1191
Wilkinson, James, Birmingham, Ala. Elastic-fluid turbine	752,610	Feb. 16	3457	773	108	1844
Wilkinson, James, Philadelphia, Pa. Oil-can	755,338	Mar. 22	4162	920	109	958
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Regulating turbines	749,468	Jan. 12	1906	396	108	449
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Governing mechanism for turbines	751,888	Feb. 9	2055	465	108	1515
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Elastic-fluid turbine	751,889	Feb. 9	2059	466	108	1516
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Two-speed and reversing turbine	752,496	Feb. 16	3322	719	108	1791
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Turbine-wheel	753,111	Feb. 23	4452	990	108	2083
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Governing mechanism for turbines	753,772	Mar. 1	1065	244	109	229
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Governing mechanism for turbines	753,773	Mar. 1	1076	246	109	232
Wilkinson, James, Birmingham, Ala., assignor to Wilkinson Steam Turbine Company. Governing means for elastic-fluid turbines	753,774	Mar. 1	1082	246	109	233
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Governing mechanism for turbines	753,400	Apr. 26	4366	940	109	2333
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Packing device for turbine-shafts	760,168	May 17	3190	669	110	752
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Governing mechanism for turbines	761,865	June 7	508	102	110	1553
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. High-torque reversing turbine	761,866	June 7	514	102	110	1554
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Governing mechanism for batteries of turbines	765,390	July 19	2863	599	111	656
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Governing mechanism for turbines	766,921	Aug. 9	1635	344	111	1423
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Marine turbine	766,922	Aug. 9	1641	345	111	1425
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Turbine-driven locomotive or vehicle	768,714	Aug. 30	5309	1116	111	2291
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. High-speed inertia-governor	769,284	Sept. 6	293	68, 69	112	63
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Elastic-fluid turbine-wheel	770,207	Sept. 13	2018	426	112	470
Wilkinson, James, assignor to Wilkinson Steam Turbine Company, Birmingham, Ala. Governing mechanism for turbines	770,995	Sept. 27	3558	730	112	658
Wilkinson, John F., Gloucester, Mass. Starting-clutch	773,933	Dec. 20	3055	672	113	2117
Wilkinson, John F., Kaufman, Tex. Animal-trap	774,628	Nov. 8	2085	454	113	478
Wilkinson, Melville C., Los Angeles, Cal. Air compression and utilizing device	767,027	Aug. 9	1830	385	111	1467
Wilkinson Steam Turbine Company. (See Wilkinson, James, assignor.)						
Wilkinson, Thomas B., et al. (See Blount, Lewis, assignor.)						
Wilkinson, William H., Boston, Mass. Means for supporting electric lamps and energizing and lighting same	778,618	Dec. 27	4277	933	113	2398
Wilkinson, William T., Medford, Mass. Trolley-wheel	769,854	Sept. 13	1373	293	112	329
Wilkinson, Fred E., Horton, Kans. Disk-grinding device	749,766	Jan. 19	2489	530	108	592
Will & Baumer Company. (See LaRise, Henry, assignor.)						
Will, Hugh, Ava, Ill. Winding-indicator for clocks	756,446	Apr. 5	519	108	109	1453
Willamette Iron & Steel Works. (See Thomas, Edwin E., assignor.)						
Willans and Robinson. (See McMullen and Robinson, assignors.)						
Willard, Alfred L., Paris, France. Collar	768,498	Aug. 23	4832	1012	111	2170
Willard, Arthur, Los Angeles, Cal. Underreamer	762,458	June 14	1651	356	110	1816
Willard, Arthur G. (See O'Donnell and Willard.)						
Willard, Charles A., St. Louis, Mo. Safety-guard on electrical cars	753,341	Mar. 1	225	51, 52	109	51
Willard, Frederick G., assignor to I. N. Willard, Utica, N. Y. Roll-paper cutter and printer	778,433	Dec. 27	3917	853	113	2321
Willard, I. N. (See Willard, Frederick G., assignor.)						
Willard, James A., assignor to Vacuum Dyeing Machine Company, Chattanooga, Tenn. Apparatus for dyeing	755,422	Mar. 22	4312	954	109	990
Willard, James A., assignor of three-fourths to W. M. and T. H. Lasley and C. L. Hall, Chattanooga, Tenn. Smoke-consuming furnace	750,786	Jan. 26	4453	959	108	1096
Willard, James A., assignor of three-fourths to W. M. and T. H. Lasley and C. L. Hall, Chattanooga, Tenn. Hollow blast grate-bar	764,511	July 3	1237	254	111	270
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)						
Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery	761,345	May 31	5521	1177	110	1295
Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery	765,060	July 12	2371	492	111	531
Willcox, George B. (See Johnson and Willcox.)						
Willcox & Gibbs Sewing Machine Company. (See Borton, Stockton, assignor.)						
Willcox and Gibbs Sewing Machine Company. (See Goodyear, William E., assignor.)						
Willcox & Gibbs Sewing Machine Company. (See Spielmann, Adolph, assignor.)						
Willcox & Gibbs Sewing Machine Company. (See Swart, Samuel A., assignor.)						
Willcox, Irvin J., assignor of one-half to E. F. Kinard, Lenox, Ga. Cotton-planter	753,185	Feb. 23	4579	1020	108	2112
Willcox, Percy F. C., Sunderland, England. Valve-gear for engines	751,037	Feb. 2	471	110	108	1161
Willcox, Thomas L., Clarion, Iowa. Hand-plow	778,294	Dec. 27	3635	794	113	2259
Willebrands, George W., Detroit, Mich. Railway-crossing	735,730	Mar. 29	4905	1092	109	1137
Willeblicher, Wilhelm, Manchester, England. Trolley-head for electric tram-cars	772,638	Oct. 18	2869	631	112	1616
Willets, William C., Minneapolis, Minn. Folding leg for furniture	756,922	Apr. 12	1409	314	109	1659

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Willett, George, assignor of one-half to R. W. Harris, Chicago, Ill. Smoke-consumer and spark-arrester	771,406	Oct. 4	384	84	112	1638
Wilt, James W., Stanton, Mich. Means for skating	762,367	Oct. 14	1891	407	110	1897
Willets, William R., Waterbury, Conn., assignor to W. A. Russell & Co., Detroit, Mich. Wall, floor, or ceiling plate	773,445	Oct. 25	4667	996	112	2034
Wiley, Charles E., Louisville, Ky. Drilling machinery	774,623	Nov. 8	2086	451	113	478
Wiley, James F., Jeffersonville, Ind. Portable drill	750,744	Jan. 26	4359	942	108	1015
Wiley, William J., Clayton, Del. Hitching device	750,141	Jan. 19	3201	688	108	744
William A. Miller Manufacturing Company. (See Moscovy, Emil, assignor.)						
William Beardmore and Company. (See Attha, Charles G., assignor.)						
William Cramp & Sons Ship and Engine Building Company. (See Metten, John F., assignor.)						
William E. Quimby, Incorporated. (See Sundh, August, assignor.)						
William L. Gilbert Clock Company. (See Woodruff and McCabe, assignors.)						
William Mann Company. (See Deckert, Joseph O., assignor.)						
William Mann Company. (See Leslie, Leon M., assignor.)						
William N. Matthews & Brother. (See Quasebarth, Gustav C., assignor.)						
William Powell Co. (See Desmond, John, assignor.)						
William Schollhorn Company. (See Bernard, William A., assignor.)						
William Schollhorn Company. (See Norton, William M., assignor.)						
William Sellers & Company. (See Kneas, Strickland L. J., assignor.)						
William Sellers and Company. (See Outerbridge, Alexander E., Jr., assignor.)						
William Tol Company. (See Trinks, Willibald, assignor.)						
William Wharton, Jr., & Company, Incorporated. (See Angerer, Victor, assignor.)						
William Wharton, Jr., & Company, Incorporated. (See Cortis, August, assignor.)						
William Wharton, Jr., & Company, Incorporated. (See Wharton, William, Jr., assignor.)						
William Wharton, Jr., & Company, Incorporated. (See Wharton and Angerer, assignors.)						
Williams-Abbott Electric Company. (See Bowen, William, assignor.)						
Williams-Abbott Electric Company. (See Cadden, Charles C., assignor.)						
Williams-Abbott Electric Company. (See Sands and Cadden, assignors.)						
Williams, Albert L., assignor to J. S. Bushnell and A. P. Joslin, Brooklyn, N. Y. Steam-engine cylinder	768,105	Aug. 23	4051	832	111	1994
Williams, Andrew S. (See Hess and Williams.)						
Williams, Anthony. (See Mills and Williams.)						
Williams, Arra H., Cleveland, Ohio. Jelly-strainer	775,716	Nov. 22	4439	938	113	1654
Williams, Asa C. (See Campbell and Williams.)						
Williams, Burt C., and F. C. Heine, Fort Wayne, Ind. Garment-supporter	762,789	June 14	2335	508	110	1961
Williams, Burt C., and F. C. Heine, Fort Wayne, Ind. Ladder	774,123	Nov. 1	1161	248	113	263
Williams, Charles D. (See Pusey, Joshua, assignor.)						
Williams, Charles D., Dillard, Oreg. Paper-roll-holder attachment for type-writers	759,337	May 10	1550	211	110	373
Williams, Charles E., assignor of one-half to W. B. List, Leroy, Ill. Music-rack	777,580	Dec. 13	3203	483	112	1928
Williams, Charles F., Marion, Mich., assignor of one-half to Walsh Manufacturing Company, Pittsburg, Pa. Kiln for drying lumber	778,767	Oct. 18	3147	1684	112	1675
Williams, Charles H., Fowler, Cal. Ironing-board	766,208	Aug. 2	115	579	111	1967
Williams, Charles J., East Greenwich, England. Multicylinder expansion-engine	757,532	Apr. 19	2648	580	109	1937
Williams, Charles R., North Chicago, Ill. Mechanic's combination measuring implement	765,990	July 19	2787	582	111	639
Williams, Crittinden, Arlington, Tenn. Journal-box	774,220	Nov. 8	1236	284	113	318
Williams, David C., Cambridge, Mass. Device for teaching reading and sending telegraph messages	769,422	Sept. 6	559	123	112	127
Williams, David J., Provo City, Utah. Inventor and makers book	762,855	June 14	2473	536	110	1962
Williams, David S., Glenside, assignor to J. C. Hutchison, Philadelphia, Pa. Machine for making pies	778,295	Dec. 27	2637	794	113	2399
Williams, Douglas D., assignor of two-thirds to F. Dougherty, Philadelphia, Pa. Smoke-consumer	765,534	July 19	3278	656	111	744
Williams, E. G., et al. (See Estes, William B., assignor.)						
Williams, Eben P., Hyannis, Mass. Adjustable screen-door	771,698	Oct. 4	919	207	112	1155
Williams, Edmond L., West Mansfield, Ohio. Ear	770,208	Sept. 13	2021	426	112	471
Williams, Edward T., Boston, Mass. Article of food and preparing same	774,221	Nov. 8	1337	.....	113	319
Williams, Elmer B., and H. H. Hinson, San Francisco, Cal. Car-seal	774,404	Nov. 8	1674	359	113	322
Williams, Eugene, Chicago, Ill. Sheet-coating machine	773,840	Nov. 1	388	127	113	134
Williams, Evan, Newcastle, Pa. Car-brake	768,134	June 21	3004	647	110	2139
Williams, Ezra T., Duluth, Minn. Rotary cutter for hydraulic dredges	768,106	Aug. 23	4052	833	111	1994
Williams, Fitzalan B., Chicago, Ill. Latch	766,785	Aug. 2	1336	282	111	1338
Williams Foundry and Machine Company. (See White, Alfred J., assignor.)						
Williams Foundry & Machine Company. (See Williams, John K., assignor.)						
Williams, Francis A. (See Powell and Williams.)						
Williams, Frank, Troy, Pa. Valve-gear	754,950	Mar. 15	3462	758	109	791
Williams, Frank L., Florence, Colo. Dental articulator	772,304	Oct. 11	2291	481	112	1450
Williams, Frank L., Lafayette, Ill. Fence-post	774,013	Nov. 1	954	198	113	217
Williams, Frederic S., St. Louis, Mo. Combined cotton-planter and fertilizer-distributor	770,515	Sept. 20	2625	555	112	626
Williams, Gavin P., Milwaukee, Wis. Loose-leaf binder	765,583	June 28	3593	844	110	2345
Williams, George S., assignor of one-half to J. S. Taylor, Norfolk, Va. Action for mechanical playing attachments for pianos	748,828	Jan. 5	515	117	106	117
Williams, Gordon H., Brooklyn township, Cuyahoga county, Ohio. Excavator	767,536	Aug. 16	2947	595	111	1705
Williams, Harry B., New York, N. Y., assignor to American Can Company, Jersey City, N. J. Box	759,578	May 10	2622	414	110	477
Williams, Harry B., Brooklyn, assignor to American Can Company, New York, N. Y. Tongueless tearing-strip for key-opening paint-cans	777,167	Dec. 13	1392	296	113	1751
Williams, Harry B., and F. M. Leavitt, New York, N. Y., assignors to American Can Company, Jersey City, N. J. Combined can-body-forming and side-seam-soldering machine	775,880	Nov. 22	4739	1095	113	1117
Williams, Harry S., assignor to Ridgely Trimmer Company, Springfield, Ohio. Paper trimming or cutting tool	775,424	Nov. 22	3983	811	113	923
Williams, Harvey A. (See Burkart and Williams.)						
Williams, Henry F., San Francisco, Cal. Manufacture of paving or roofing composition	770,137	Sept. 13	1879	.....	112	449
Williams, Henry M. (See Burger, Franz, assignor.)						
Williams, Henry M. (See Burger and Williams.)						
Williams, Henry M., assignor of one-fourth to F. Burger, Fort Wayne, Ind. Urinal	761,278	May 31	5393	1147	110	1266
Williams, Hiram C., assignor of one-half to R. B. Hayes, Jersey Shore, Pa. Automatic loading device	767,192	Aug. 9	2181	455	111	1542

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Williams, Hobart M. (See Williams, Warren and H. M.)						
Williams, Irvin C., assignor of one-half to J. A. Craig, Johnsonburg, Pa. Centrifugal pump	772,989	Oct. 25	3572	774	112	1788
Williams, J. Pearson, <i>et al.</i> (See Goldsmith, Elias, assignor.)						
Williams, J. Savage. (See Falkenwalde, Oscar, assignor.)						
Williams, James H. (See Evans and Williams.)						
Williams, James H. and G. B. Evans, Dodgeville, Wis. Attachment for grain-binders	758,161	Apr. 26	3891	845	109	2231
Williams, John, Oakland, assignor to Security Coin Box Company, San Francisco, Cal. Coin-box	776,768 757,704	Dec. 6 Apr. 19	606 2996	132 651	109	1560 2015
Williams, John C., Kansas City, Mo. Air-compressor	776,979	Dec. 6	1094	222	113	1657
Williams, John K., assignor of one-half to Williams Foundry & Machine Company, Akron, Ohio. Vulcanizer	769,522	Sept. 6	755	163	112	171
Williams, John M., Guthrie, Okla. Ter. Treating flour	767,620	Aug. 16	3016	630 631	111	1746
Williams, John R., East Orange, N. J., assignor to John R. Williams Company, New York, N. Y. Combined cigar-wrapper cutter and rolling-table	762,220	June 7	1151	247	110	1690
Williams, Jordan, Eckerty, Ind. Metallic roofing	772,198	Oct. 11	1996	440	112	1403
Williams, Joseph A., Cleveland, Ohio. Vehicle	772,199	Oct. 11	1998	441	112	1403
Williams, Joseph A., assignor to Williams Telephone & Supply Company, Cleveland, Ohio. Telephone-transmitter	755,091	Mar. 22	3703	813	109	862
Williams, Joseph J., Oklahoma, Okla. Ter. Wind-motor	757,900	Apr. 19	3187	692 693	109	2058
Williams, Joseph W., Galt, Canada. Lace-fastener	759,759	May 10	2024	414	110	477
Williams, King R., Richmond, Ind. Copy-holder	754,526	Mar. 15	2648	575	109	615
Williams, Lacey Y. (See Harrison and Williams.)						
Williams, Louis N. D. (See Scott, Robert W., assignor.)						
Williams, Louis N. D. (See Scott, Robert W., assignor.) (Reissue.)						
Williams, Louis N. D., Ogontz, assignor of one-half to R. W. Scott, Philadelphia, Pa. Annulus	766,125	July 26	4446	953	111	1006
Williams, Louis N. D., Ashbourne, assignor of one-half to R. W. Scott, Philadelphia, Pa. Needle-picking device for knitting-machines	774,124	Nov. 1	1162	248	113	263
Williams Manufacturing Co. (See Schleicher, Oscar, assignor.)						
Williams Manufacturing Company. (See Pentlage, Theodore, assignor.)						
Williams Manufacturing Company. (See Schleicher, Oscar, assignor.) (Reissue.)						
Williams, Maxwell, London, England. Burning cement	775,093	Nov. 22	4395	927 928	113	1045
Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Shredding-machine or the like	757,705	Apr. 19	2998	651	109	2016
Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Crusher and pulverizer	758,288	Apr. 26	4148	896 897	109	2285
Williams, Orin, Des Moines, Iowa. Rotary engine	754,081	Mar. 8	1621	361 362	109	373
Williams, Parker M., assignor to J. W. Reedy Elevator Manufacturing Company, Chicago, Ill. Drum for elevator-cables	761,120	May 31	5087	1080	110	1201
Williams Patent Crusher & Pulverizer Company. (See Williams, Milton F., assignor.)						
Williams Pivot Sash Company. (See Essig, Harry E., assignor.)						
Williams, Raymond R., Marsfield, Wis. Platen printing-press	764,096	July 5	372	71	111	81
Williams, Rees K., assignor of two-thirds to J. H. and E. L. Miller, Washington, D. C. Oil-filter	775,323	Nov. 22	3594	761	113	869
Williams, Robert R., Nelsonville, Ohio. Car-stopper	769,926	Sept. 13	1504	322	112	357
Williams, Roger B., Jr., and E. B. Whitman, New York, N. Y. Liquid-distributing system	754,730	Mar. 15	3045	665	109	699
Williams, Roger B., Jr., and E. B. Whitman, New York, N. Y. Liquid-distributing system	754,953	Mar. 15	3467	759	109	793
Williams, Russell B., Scranton, Pa. Railway safety appliance	766,479	Aug. 2	698	146	111	1191
Williams, Sidney G., Sharon, Pa. Folding box or crate	760,138	Sept. 13	1880	399	112	440
Williams Telephone & Supply Company. (See Williams, Joseph A., assignor.)						
Williams, Thomas B., assignor to Leavitt Machine Company, Orange, Mass. Valve-re-seating device	771,194	Sept. 27	3960	836	112	938
Williams, Thomas H. (See Waggoner, Edward P., assignor.)						
Williams, Thomas M., Martins Ferry, Ohio. Combined branning and polishing machine	771,890	Oct. 11	1340	303 304	112	1260
Williams, Timothy A., assignor to A. G. and J. H. Sorge, Winigan, Mo. Hay stacker and loader	769,673	Sept. 6	1016	220 221	112	231
Williams, Warren, Antioch, Ill. Press	765,116	July 12	2459	513	111	551
Williams, Warren and H. M., Lordsburg, Cal. Pump-head	760,506	May 24	3983	847	110	947
Williams, White & Co. (See Yeakley, Melvin A., assignor.)						
Williams, White & Company. (See Norquist, John H., assignor.)						
Williams, William, Oakland, Cal. Means for working ships	762,790	June 14	2327	508 509	110	1961
Williams, William, Huntington, Pa. Air-brake system	766,088	July 26	4377	938 939	111	992
Williams, William D., Salt Lake City, Utah. Vehicle-wheel	759,790	May 10	2457	510	110	567
Williams, William H., Chicago, Ill. Spirally-wound tube	758,802	May 3	444	89	110	109
Williams, William H., Astoria, N. Y. Sharpening knives of veneer or other machines	772,305	Oct. 11	2204	481	112	1451
Williams, William K., Grand Rapids, Mich. Knockdown all-glass show-case	767,462	Aug. 16	2693	566	111	1673
Williams, William L., Winona, Minn. Plier-type tool	751,594	Feb. 9	1501	341	108	1397
Williams, William S., East Orange, N. J. Gaining, routing, or mortising machine	772,596	Oct. 18	2794	615 616	112	1600
Williams, Willie L., assignor of one-half to T. S. Jones, Jeffersonville, Ga. Railway-switch	750,925	Feb. 2	275	64, 65	108	1118
Williams, Willis D., Kirkland, Ariz. Ter. Trolley	749,509	Jan. 12	1990	413	108	465
Williams, Willis D., Kirkland, assignor of one-half to W. M. Clark, Waggoner, Ariz. Ter. Rail-joint	765,535	July 19	3280	687	111	744
Williams, Wilton A. (See McCown, Loundagin, and Williams.)						
Williams Wire Hinging Machine Co. (See McMurray, William, assignor.)						
Williams Wire Hinging Machine Company. (See Edge, Horace L. and W., assignors.)						
Williamson, Alfred D., and C. L. Sumpter, assignors to Vickers Sons & Maxim, Limited, Sheffield, England. Electrical apparatus for working reciprocating tools	760,289	May 17	3402	717 718	110	800
Williamson, C. J., <i>et al.</i> (See Williamson, William, assignor.)						
Williamson, Charles A., New Cumberland, Pa. Rocker-shoe	755,423	Mar. 22	4316	955	109	991
Williamson, Ernest H. (See Elworthy, Herbert S., assignor.)						
Williamson, George F., Chicago, Ill. Card-text marker	770,788	Sept. 27	3148	667	112	739
Williamson, H. E., <i>et al.</i> (See Williamson, William, assignor.)						
Williamson, Henry, assignor of one-half to V. Greenberg, Torrington, Conn. Animal-trap	777,461	Dec. 13	1946	430	113	1874

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Williamson, Henry, assignor to A. Brazie and A. Thomen, Torrington, Conn. Ladder-prop.	776,446	Nov. 29	5857	1237	113	1392
Williamson, Henry C., and H. Pries, Michigan City, Ind. Draft-rigging	749,347	Jan. 12	1631	347	108	392
Williamson, Henry C., and H. Pries, Michigan City, Ind. Draft-rigging	754,327	Mar. 15	2651	575	109	615
Williamson, Henry C., and H. Pries, Michigan City, Ind. Draft-rigging	754,528	Mar. 15	2653	576	109	616
Williamson, Henry C., and H. Pries, Michigan City, Ind. Underframing for cars.	771,407	Oct. 4	396	85	112	1039
Williamson, Henry C., and H. Pries, Michigan City, Ind. Underframing for cars.	774,222	Nov. 8	1338	285	113	319
Williamson, Henry C., and H. Pries, Michigan City, Ind. Underframing for cars.	775,484	Nov. 22	3941	832	113	946
Williamson, Henry C., and H. Pries, Michigan City, Ind. Underframing for cars.	775,485	Nov. 22	3942	833	113	946
Williamson, Henry C., and H. Pries, Michigan City, Ind. Underframing for cars.	776,579	Dec. 6	226	50	113	1479
Williamson, Jas. F. (See Rehmeklau, Rudolph W. O., assignor.)						
Williamson, John. (See Eustace, John H., assignor.)						
Williamson, John. (See Zander, John, assignor.)						
Williamson, John K. (See Benham and Williamson.)						
Williamson, John M., Tuscola, Ill. Former for eaves and gutters	772,597	Oct. 18	2795	616	112	1601
Williamson, Perry. (See Coppridge, Joel A., assignor.)						
Williamson, Robert. (See Pott and Williamson.)						
Williamson, Russell B., Clifton Springs, N. Y. Spraying device	755,823	Mar. 29	5090	1131	109	1176
Williamson, Samuel S., Philadelphia, Pa. Two-way faucet	763,826	June 28	4374	951	110	2448
Williamson, Samuel S., Philadelphia, Pa. Combination-faucet	763,827	June 28	4376	951	110	2449
Williamson, Samuel S., Philadelphia, Pa. Rotary fan	768,499	Aug. 23	4833	1912	111	2170
Williamson, William, assignor of one-half to C. J. and H. E. Williamson, San Francisco, Cal. Grain-cleaner	760,832	May 24	4497	957	110	1055
Williamson, William A., Newark, N. J. Ceiling-hook for wardrobes or the like	761,739	June 7	231	44	110	1489
Willis, Albert C., Columbus, Ohio. Churn	761,121	May 31	5087	1081	110	1201
Willis, George, near Hico, Tex. Cotton attachment for cultivators	774,809	Nov. 15	2489	536	113	591
Willis, George M., Chicago, Ill. Rail-bond compressor	774,810	Nov. 15	2489	536	113	591
Willis, Harry, assignor of one-half to C. R. Prouty, Des Moines, Iowa. Tobacco-pipe	778,817	Dec. 27	4644	1015	113	2481
Willis, Thomas J., and G. Andricht, Milwaukee, Wis.; said Andricht assignor to said Willis. Exhaust-muffler	750,011	Jan. 19	2955	632	108	693
Willison, John, Derby, England. Draft-rigging	767,724	Aug. 16	3191	669	111	1785
Willitz, Herman C., Janesville, assignor of one-half to H. Mulberger, Watertown, Wis. Line-wire clamp	755,092	Mar. 22	3704	613	109	862
Willmann, Joseph, Chicago, Ill. Pump	742,245	Jan. 12	1415	304	108	344
Willmann, Joseph, Chicago, Ill. Apparatus for heating or sterilizing liquids	756,310	Apr. 5	233	48	109	1394
Willmann, Joseph, Chicago, Ill. Apparatus for heating or sterilizing liquids	777,826	Dec. 20	2698	591	113	2046
Willmann, Joseph, Rome, N. Y. Pump	777,827	Dec. 20	2699	591	113	2046
Willmann, Joseph, Rome, N. Y. Pump	777,828	Dec. 20	2699	592	113	2047
Willmann, Joseph, Sr., assignor of one-half to W. H. Leek, New Braunfels, Tex. Corn husker and chopper	768,163	Aug. 23	4158	875	111	2018
Willmarth, Charles A. (See Barnes and Willmarth.)						
Willmarth, Charles A., Detroit, assignor to H. J. Willmarth, Sandhill, Mich. Wire-tightener	758,729	May 3	297	58	110	76
Willmarth, Charles A., assignor to Majestic Wire Fence Co., Ltd., Detroit, Mich. End post	759,837	May 10	2532	530	110	588
Willmarth, Charles A., assignor to Majestic Wire Fence Co., Ltd., Detroit, Mich. Fence-post	759,838	May 10	2533	530	110	588
Willmarth, Charles A., and J. S. Barnes, assignors to Majestic Wire Fence Company, Limited, Detroit, Mich. Fence-loom	772,449	Oct. 18	2504	546	112	1538
Willmarth, Hiram J. (See Willmarth, Charles A., assignor.)						
Willmon, Jeremy C., Los Angeles, Cal. Instrument for the construction of equivalent geometrical figures	753,458	Mar. 1	445	104	109	97
Willner, Sigmond, New York, N. Y. Apparatus for impregnating wood	771,689	Oct. 4	921	208	112	1156
Willoughby, Henry, Jr. (See Millar, John, assignor.)						
Willoughby, James, et al. (See Walther, Jacob, assignor.)						
Willoughby, John T. (See O'Neill, George E., assignor.)						
Wills, Edwin C., Altoona, Pa. Metallurgical furnace	759,791	May 10	2438	510	110	568
Wills, James, New York, N. Y. Building construction	774,545	Nov. 8	1932	419	113	447
Wills, William L. (See Brett and Benton, assignors.)						
Willson Aluminum Company. (See Kugelgen and Danneel, assignors.)						
Willson Aluminum Company. (See Kugelgen and Seward, assignors.)						
Willson, Fred H. (See Miles, Charles E., assignor.)						
Willson, Frederick. (See Bourquin and Willson.)						
Willson, Freeman R., Jr., assignor to J. A. Jeffrey, Columbus, Ohio. Conveyer-loading device	751,890	Feb. 9	2063	466	108	1517
Willson, Freeman R., Jr., Worthington, assignor to J. A. Jeffrey, Columbus, Ohio. Car-loading mechanism	760,597	May 24	3964	847	110	947
Willson, James, Porterville, Cal. Fertilizer-sower	773,616	Nov. 1	151	34	113	39
Willson, Marcus, Vineland, N. J. Educational-chart exhibitor	778,092	Dec. 20	3236	711	113	2155
Willson, Robert W., Cambridge, Mass. Educational or scientific device	774,998	Nov. 15	2873	613	113	680
Willson, Thomas A. (See Bourquin and Willson, assignors.)						
Willmarth & Morman Company. (See Ridderhof and Miles, assignors.)						
Wilmore, John T., Denver, Colo. Can-capping machine	758,034	Apr. 19	3641	787	109	2156
Wilmore, S. E. (See Scheble, Eugene S., assignor.)						
Wilmot Castle Company. (See Castle, Arthur, assignor.)						
Willmoth, Arthur W. (See Saunders and Willmoth.)						
Wilmsen, Bernhard. (See Wundsch and Lange, assignors.)						
Wilson, Adoniram J. (See Breeze and Wilson.)						
Wilson, Albert, Steubenville, Ohio. Wrench	771,195	Sept. 27	3963	836	112	938
Wilson, Albert M., Cherokee, Iowa. Hose-supporter	755,979	Mar. 29	5407	1195	109	1249
Wilson, Albert M., Cherokee, Iowa. Nut-lock	762,107	June 7	945	195	110	1642
Wilson, Albert W., San Francisco, Cal. Fishing-gear	766,565	Aug. 2	865	181	111	1231
Wilson, Alexander T., Jeffersonville, Ill. Well-drilling machine	777,462	Dec. 13	1948	430	113	1874
Wilson, Alfred E., Uxbridge, England. Lock-seal	777,708	Dec. 20	2443	537	113	1995
Wilson, Allen F., Clayton, assignor to C. Cramer, Camden, and J. T. Wilson, Clayton, N. J. Closure for jars or similar vessels	774,014	Nov. 1	955	198	113	217

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Wilson, Amos R., and L. M. Dull, assignors of one-half to A. R. Gordon, F. N. Dull, and W. E. Dittenhafer, Toledo, Ohio. Apparatus for manufacturing glass	775,740	Nov. 22	4480	948	113	1063
Wilson, Benjamin H., Bethany, Mo. Harness-hook	758,124	Apr. 26	3827	831	109	2316
Wilson, Burrell C. (See Smith and Wilson.)						
Wilson, Caesar, Greenleaf, Minn. Seat for farm machinery	750,142	Jan. 19	3202	688	108	744
Wilson, Charles. (See Christiansen, Lars, assignor.)						
Wilson, Charles B., Washington, D. C. Harness-saddle	765,301	July 19	2788	582	111	639
Wilson, Charles E., Philadelphia, Pa. Sectional electric conduit	767,463	Aug. 16	2695	566	111	1673
Wilson, Charles H., assignor of one-third to E. Albertson, Bridgeport, Conn. Gravity-latch	759,580	May 10	2025	414	110	477
Wilson, Charles M., St. Louis, Mo. Trolley	756,550	Apr. 5	697	150	109	1490
Wilson, Charles R., San Francisco, Cal. Treating fruits	757,706	Apr. 19	3000	652	109	2016
Wilson, Charles W., Linden, Okla. Ter. Envelop	776,712	Dec. 6	490	107	113	1536
Wilson, Christopher C., Denver, Col. Ore-treating furnace	760,941	May 24	4699	1001	110	1099
Wilson, Christopher J., West Knoxville, Tenn. Pen-point	759,034	May 3	924	187	110	211
Wilson, Clarence A., Hoboken, N. J. Locking device	775,957	Nov. 29	4914	1099	113	1175
Wilson, Clarence R., assignor of one-half to J. H. Redfield, Bossburg, Wash. Match-scratcher	768,164	Aug. 23	4159	875	111	2018
Wilson, Columbus J., Pittsburg, Pa. Eyeglass-case	750,926	Feb. 2	278	65	108	1119
Wilson, David, Dekalb, Ill., assignor to American Steel & Wire Company. Gate-latch	761,740	June 7	233	44	110	1489
Wilson, David H., assignor to G. W. Kretzinger, Chicago, Ill. Telephone-repeater	766,155	July 26	4519	966	111	1022
Wilson, Edgar H. (See Wilson, George T., assignor.)						
Wilson, Edmund J., Getho, Victoria, Australia. Reversible plow	764,406	July 5	1017	207	111	226
Wilson, Edward F., assignor to G. S. Welles, Chicago, Ill. Producing carbureted air	749,767	Jan. 19	2492	530	108	592
Wilson, Edward F., assignor to G. S. Welles, Chicago, Ill. Apparatus for producing carbureted air	749,768	Jan. 19	2494	531	108	593
Wilson, Edward F., assignor of one-half to H. Ruckle, Salt Spring Island, Canada. Fruit-harvester	776,550	Dec. 6	227	51	113	1479
Wilson, Everett L. (See Martin and Wilson.)						
Wilson, Ewing L., Peck, Idaho. Combined letter-sheet and envelop	737,005	Apr. 12	1579	345	109	1694
Wilson, F. Cortez, Chicago, and G. L. Wilson, Oak Park, Ill. Hand-die	763,648	June 28	4075	875	110	2370
Wilson, Fergus F., New York, N. Y. Molding-machine for artificial stone, &c	765,349	July 19	2906	607	111	665
Wilson, Fergus F., New York, N. Y. Molding-machine	765,350	July 19	2908	607	111	666
Wilson, Frank, and R. A. Hilling, Manito, Ill. Grain-dump	762,790	June 21	2695	584	110	2062
Wilson, Frank E., Lithopolis, Ohio. Elevated-railway system	759,792	May 10	2439	511	110	568
Wilson, Frank E., Lithopolis, assignor of one-third to J. B. Kramer, Lancaster, Ohio. Pneumatic railway-car	766,405	Aug. 2	526	111	111	1156
Wilson, George, assignor to Emerson Manufacturing Company, Rockford, Ill. Cutter-bar alignment	753,459	Mar. 1	446	104	109	97
Wilson, George, assignor to Emerson Manufacturing Company, Rockford, Ill. Divider for harvesting machines	757,587	Apr. 19	2770	606	109	1966
Wilson, George, assignor to Enterprise Manufacturing Company, Los Angeles, Cal. Combination duplex gas-valve	767,464	Aug. 16	2696	566	111	1673
Wilson, George L. (See Wilson, F. Cortez and G. L.)						
Wilson, George R., Hurley, S. D. Toaster or broiler	752,497	Feb. 16	3320	720	108	1793
Wilson, George T., assignor of one-half to E. H. Wilson, Moline, Ill. Spring for buggy-seats	750,927	Feb. 2	278	65	108	1119
Wilson, George W. (See Fulton, William T., assignor.)						
Wilson-Haffenden, James, East Croydon, England. Garment adjuster or holder	758,775	Mar. 1	1088	247	109	235
Wilson, Harry, and A. H. Chase, assignors to United States Ordnance Company, Washington, D. C. Percussion-fuse	760,046	May 17	2933	613	110	694
Wilson, Harry L., Erie, Pa. Water-tube boiler	773,435	Nov. 22	3834	811	113	923
Wilson, Harry L., assignor of one-half to H. Shepherd, Boston, Mass. Easel-support	773,177	Oct. 25	4118	870	112	1916
Wilson, Henry, and H. L. Crumby, Richland, Ga. Sugar-cane crusher	757,988	Apr. 19	3542	767	109	2134
Wilson, Henry P., New York, N. Y. Machine for bending the cross-heads of hay-bale-wires	749,348	Jan. 12	1633	347	108	393
Wilson, Howard L., Rochester, N. Y. Diary	776,632	Dec. 6	333	71	113	1502
Wilson, Howard M., Pittsburg, assignor to Taylor, Wilson & Company, Limited, Allegheny, Pa. Thread-tapping machine	769,235	June 21	3211	691	110	2177
Wilson, Howard S., Puebla, Mexico. Convertible car	751,126	Feb. 2	625	145	108	1193
Wilson, James A., Westminster, England. Shield-mounting for quick-firing guns	774,223	Nov. 8	1340	286	113	319
Wilson, James C., assignor to St. Louis Street Flushing Machine Company, St. Louis, Mo. Adjustable flushing-nozzle	777,053	Dec. 6	1189	259	113	1692
Wilson, James H., Lowell, Mass. Electric sanitary closet	749,769	Jan. 19	2497	531	108	594
Wilson, James H., Lowell, Mass. Shoe-polisher	755,980	Mar. 29	5408	1195	109	1250
Wilson, James H., Lowell, Mass. Tooth-brush	760,047	May 17	2936	613	110	695
Wilson, James H., Denver, Colo. Hame-fastener	770,209	Sept. 13	2022	426	112	471
Wilson, James P., Chicago, Ill. Garment-clasp	771,690	Oct. 4	925	208	112	1157
Wilson, James S. (See Blackler, Archibald T., assignor.)						
Wilson, James S., Bloomsburg, Pa. Culm-char	751,127	Feb. 2	628	146	108	1194
Wilson, John B. (See Caldwell, Edwin D., assignor.)						
Wilson, John R., McDowell, W. Va. Harness attachment	760,506	May 24	3814	809	110	910
Wilson, John T., Jersey Shore, Pa. Packing for pistons and piston-valves	759,581	May 10	2027	414	110	477
Wilson, John T., Jersey Shore, Pa. Packing for pistons and piston-valves	759,582	May 10	2028	415	110	478
Wilson, John T., Jersey Shore, Pa. Lubricator	774,015	Nov. 1	956	199	113	218
Wilson, John W., Marshall, Okla. Ter. Plastic-block machine	772,319	Oct. 11	2236	490	112	1458
Wilson, Joseph, Duarte, Cal. Fruit-gatherer	760,048	May 17	2937	613	110	695
Wilson, Joseph F., and E. H. Whitmore, Invercargill, New Zealand. Spring-hook clip for securing luggage-labels, &c	769,523	Sept. 6	756	164	112	172
Wilson, Joseph L., Los Angeles, Cal. Piano-action	768,784	Aug. 30	5493	1144	111	2320
Wilson, Joseph T., et al. (See Wilson, Allen F., assignor.)						
Wilson, Leonard, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Parallel-feeder protection	751,595	Feb. 9	1502	341	108	1397
Wilson, Leonard, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Dynamo-electric machine	760,408	May 17	3613	761	110	847
Wilson, Leonard, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Means for protection against reversal of energy	769,973	Sept. 13	1587	388	112	374
Wilson, Leonard, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Protective device for parallel feeders	771,346	Oct. 4	244	54	112	1013
Wilson, Leonard, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Control system for parallel lines	771,347	Oct. 4	246	54	112	1013
Wilson, Levi L., Vassar, Mich. Beet-harvesting machine	766,126	July 26	4448	953	111	1007

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Wilson, Levi L., Vassar, Mich. Machine for topping beets	766,127	July 26	4451	954	111	1008
Wilson, Lida, Glasgow, Scotland. Elastic-fluid turbine	762,308	June 14	1459	1318	110	1775
Wilson, Lida, Glasgow, Scotland. Gas-producer	762,568	June 14	1893	407	110	1868
Wilson, Lida, Glasgow, Scotland. Turbine-motor	777,763	Dec. 20	2542	563	113	2016
Wilson, Luloff. (See Reid and Wilson.)						
Wilson, Milford J., assignor to P. K. Smith, Painesville, Ohio. Matting end	767,094	Aug. 9	1986	413	111	1592
Wilson, Percy H., Norfolk, Va. Flexible screen	769,423	Sept. 6	560	121	112	127
Wilson, Peter J., Ben Lomond, Cal. Non-refillable bottle	765,117	July 12	2460	513	111	551
Wilson, Robert J., New York, N. Y. Disinfecting apparatus	761,132	May 31	5088	1081	110	1201
Wilson, Samuel J., et al. (See Osborn, Francis C., assignor.)						
Wilson, Stephen G., Philadelphia, Pa. Game device	773,360	Oct. 25	4487	950	112	1995
Wilson, Thomas. (See Frendengast, Shinack, and Wilson.)						
Wilson, Thomas B., and A. L. David, Epsa, Ala. Minnow-bucket	750,143	Jan. 19	3203	688	108	744
Wilson, Thomas K. (See Hooper, John J., assignor.)						
Wilson, Thomas O., Little Rock, Ark. Electric apparatus for felling trees or sawing wood	771,518	Oct. 4	592	132	112	1084
Wilson, Walter G., Westminster, England. Motor-car	757,533	Apr. 19	2851	581	109	1908
Wilson, Walter S., Conneaut Lake, Pa. Barn-door hanger	756,089	Mar. 29	5609	1238	109	1293
Wilson, William. (See Tolhurst and Wilson.)						
Wilson, William, London township, and T. W. Baker, London, Canada. Packing case or crate	753,342	Mar. 1	227	52	109	52
Wilson, William, London township, and T. W. Baker, London, Canada. Tray for holding eggs or fruit	753,343	Mar. 1	229	52, 53	109	52
Wilson, William H., Groesbeck, Tex. Plow	755,424	Mar. 22	4317	955	109	299
Wilson, William H., New York, N. Y. Eyeglass-guard	761,619	May 31	6020	1292	110	1408
Wilson, William T., Oberlin, Kansas. Grappling-hook						
Wilson, William T., Oberlin, Kansas. Grappling-hook	774,900	Nov. 15	2679	575	113	633
Wilson, Wylie G. (See Dill and Wilson.)						
Wilt, Charles T. (See Wilt, Elmer E. and C. T.)						
Wilt, Elmer E. and C. T., Chicago, Ill. Spring retaining-clip	755,265	Mar. 22	4021	891	109	927
Wilt, Race N., Chicago, Ill. Combined envelop and sheet of paper	757,801	Apr. 19	3191	693	109	2058
Wilt, Samuel W., Alvada, Ohio. Gearing for cranes, derricks, or other machines	766,406	Aug. 2	539	111	112	1156
Wilt, Samuel W., Alvada, Ohio. Bird-trap	777,579	Dec. 13	2202	483	113	1928
Wilton, Carl E., Bristol, Pa. Display-stand	773,241	Oct. 25	4248	898	112	1943
Wilton, Carl E., Bristol, Pa. Display device	773,242	Oct. 25	4250	899	112	1944
Wilton, George R., Los Angeles, Cal. Pavement-making machine	763,135	June 21	3005	648	110	2131
Wilton, John A., et al. (See Hough, Hiram J., assignor.)						
Wiltsey, Alvah, New York, N. Y. Shirt-waist holder and skirt-supporter	754,179	Mar. 8	1896	422	109	435
Wimmer, Alexander W., Chicago, Ill. Automatic dental plugger	755,425	Mar. 22	4319	955	109	992
Wimmer, Charles, Hamilton, Canada. Car-wheel	778,706	Dec. 27	4543	995	113	2458
Wimmer, Louis, assignor of one-half to S. Levenson, Elizabeth, N. J. Blacking-machine	771,196	Sept. 27	3964	1837	112	939
Wimpenney, Theodore S. (See Shepard and Wimpenney.)						
Winand, Paul, Charkov, Russia. Gas-purifier	760,674	May 24	4163	884	110	985
Winans, Edwin, New York, N. Y. Power-transmitting machinery	755,590	Mar. 22	4604	1023	109	1054
Winans, Henry E., Poughkeepsie, N. Y. Single-trigger firearm	769,524	Sept. 6	737	164	112	172
Winans, Walter, Ashford, England. Toilet-comb	766,480	Aug. 2	694	146	111	1192
Winans, Wesley G., assignor of one-half to J. M. Davis and J. P. Saylor, Spokane, Wash. Display-stand	756,758	Apr. 5	1080	240	109	574
Winants, Mathieu, Liege, Belgium. Boot or shoe heel	763,649	June 28	4015	875	110	2371
Winberg, Severn, Galesburg, Ill. Spirit-level and plumb	761,279	May 31	5398	1148	110	1267
Winbolt, Fred W., Springfield, Mass. Lamp-guard	776,633	Dec. 6	335	72	113	1522
Winch, Charles F., New York, N. Y. Fan-guard	759,951	May 17	2730	574	110	649
Winchel, Rudolph, Webb City, Mo. Toy	772,768	Oct. 18	4199	685	112	1676
Winchester, Isaac W. (See Magee and Winchester.)						
Winchester Repeating Arms Co. (See Bennett and Mason, assignors.)						
Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)						
Winchester Repeating Arms Co. (See Mason, William, assignor.)						
Winchester Repeating Arms Co. (See Wild, Joseph G., assignor.)						
Winckfield, George W., Oakland, Cal. Lock	772,487	Oct. 18	2596	571	112	1557
Winder, James C., assignor to Atlanta Utility Works, Inc., Eastpoint, Ga. Shaker-hanger	774,125	Nov. 1	1165	248	113	264
Winder, James C., assignor to Atlanta Utility Works, Inc., Eastpoint, Ga. Shaker-hanger	774,126	Nov. 1	1167	249	113	264
Windingsstad, Nels N., assignor to Smalley Manufacturing Company, Manitowoc, Wis. Corn-shredder	750,329	Jan. 26	3536	770	108	843
Windisch, Joseph. (See Lehmann, Frederic, assignor.)						
Window Glass Machine Company. (See Chambers, James A., assignor.)						
Window Glass Machine Company. (See Pease, Roger S., assignor.)						
Window Glass Machine Company. (See Thornburg, Lincoln, assignor.)						
Windsride, James, assignor to Lyman Gun Sight Corporation, Middlefield, Conn. Sight for firearms	775,958	Nov. 29	4917	1089	113	1175
Wine Company. (See Hipwell, John B., assignor.)						
Winegardner, Arrey V., assignor of one-third to W. M. Warren, Leon, Kans. Propelling apparatus for air-ships	764,512	July 5	1238	254	111	271
Wineland, George, et al. (See Wineland, John, assignor.)						
Wineland, John, assignor of three-fourths to G. S., and J. F. Wineland, Athens, Ill. Mine-shaft door	754,268	Mar. 8	2068	458	109	470
Wineland, John F., et al. (See Wineland, John, assignor.)						
Wineland, Seth, et al. (See Wineland, John, assignor.)						
Winfield, William N. (See Barker and Winfield.)						
Winfield, William N., and J. Barker, assignors to Richmond & Backus Company, Detroit, Mich. Binder	760,049	May 17	2988	613	110	696
Wing, Augustus M., assignor to himself and G. J. Bowman, Spokane, Wash. Type-cleaner for type-writing machines	766,786	Aug. 2	1337	282	111	1338
Wing, Centennial W., Bayard, Fla. Game apparatus	753,949	Mar. 8	1474	331	109	340
Wing, Charles P., Hinsdale, Ill. Tire-bolt wrench	751,964	Feb. 9	2210	498	108	1550
Wing, Charles P., Hinsdale, Ill. Combined tire and carriage bolt holder and clamp	759,055	May 3	925	188	110	212
Wing, Charles P., Chicago, Ill. Combined key-ring and tool	751,965	Feb. 9	2212	498	108	1550
Wing, Frank L. (See Cartwright, William J., assignor.)						
Wing, Perry M., Boyd, assignor to W. H. Carlisle, P. B. Stephens, J. S. Schatz, and W. Harper, The Hills, Oreg. Pump	759,145	May 3	1093	222	110	248
Winger, Josiah G., Grand Valley, Pa. Casting-clamping wrench	768,453	Aug. 23	4833	1013	111	2171
Wingrove, Thomas R., Baltimore, Md. Oil-interceptor	768,415	Aug. 23	4679	980	111	2139

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Winiarski, August, Chicago, Ill. Elevator	770,622	Sept. 20	2820	509	112	669
Winkel, Wendelin, San Jose, Ill. Button for planter check-lines	759,162	Apr. 26	3892	845	109	2321
Winkelmeyer, John H., Eldon, Mo. Crate	774,016	Nov. 1	958	199	113	218
Winkelried, Joseph W., Phoenix, Canada. Nut-wrench	768,501	Aug. 23	4885	1013	111	2171
Winkenwerder, Henry, assignor of one-half to Milwaukee Metal Working Company, Milwaukee, Wis. Force-feed lubricator	773,446	Oct. 25	4669	986	112	2034
Winkler, Egbert. (See MacMillan, William, assignor.)						
Winkler, Fred. (See White and Winkler.)						
Winkler, Godfrey, Sardis, Ohio. Bag-closure	748,902	Jan. 5	664	147	108	149
Winkler, John, McKeesport, Pa. Hose-coupling	763,236	June 21	3213	692	110	2178
Winkley, Cooley. (See Herrick, Selector J., assignor.)						
Winkley, Erastus E., and B. Phillips, Lynn, Mass. Bufling-machine	748,677	Jan. 5	239	54	108	50
Winn, Arthur L., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Lasting-machine	751,128	Feb. 2	630	146	108	1194
Winn, Joseph B., Austin, Tex. Note-register	766,089	July 26	4385	939	111	993
Winn, W. M., et al. (See Fields, Moses M., assignor.)						
Winnick, Frederick G., Holton, Kans. Wagon-pole	750,745	Jan. 26	4361	942	108	1015
Winnie, Ralph J., assignor of one-third to D. Lyons, Chicago, Ill. Machine for dipping sheep	748,829	Jan. 5	518	118	108	118
Winona Wire Cable Company. (See Schoonmaker, James H., assignor.)						
Winpeny, Ellen E., Indianapolis, Ind. Paper cuspidor	751,966	Feb. 9	2213	498	108	1551
Winpeny, Ellen E., Indianapolis, Ind. Notarial seal	772,990	Oct. 25	3574	774	112	1789
Winship, Joseph. (See Brown and Winship.)						
Winslow, Benjamin E., Chicago, Ill. Architect's slide-rule for steel beams	766,009	July 26	4224	901	111	959
Winslow Bros. Company. (See Winslow, Francis A., assignor.)						
Winslow, Edward J., Chicago, Ill. Constructing containing vessels	772,117	Oct. 11	1820	403 404	112	1364
Winslow, Francis A., assignor to Winslow Bros. Company, Chicago, Ill. Window frame and sash	766,860	Aug. 9	1516	317	111	1396
Winslow, George H., and C. W. Dennett, North Adams, Mass. Printing warps	750,513	Jan. 26	3892	843 844	108	915
Winslow, George H., and C. W. Dennett, North Adams, Mass. Warp-printing machine	750,514	Jan. 26	3895	844 845	108	915
Winslow, Horace L., Chicago, Ill. Brake-shoe	771,197	Sept. 27	3966	888	112	939
Winslow, William F., Winsted, Conn. Repeating alarm-clock	752,319	Feb. 16	2895	646	108	1722
Winslow, William H. (See Parsons, Winslow, and Rall.)						
Winter, Arthur F. (See Kade, Charles E., assignor.)						
Winter, Carl. (See Julius and Winter.)						
Winter, Carl, assignor to J. Heinsturter, Chicago, Ill. Handle for sad-irons	761,741	June 7	234	45	110	1489
Winter, Carl, assignor to A. Wiegandt, Chicago, Ill. Picture-hanger	768,448	June 28	3660	788	110	2297
Winter, Gabriel, Vienna, Austria-Hungary, F. Eichberg and J. Alexander, Berlin, Germany, assignors to General Electric Company. Control of alternating-current motors	766,300	Aug. 2	346	72, 73	111	1117
Winter, Gabriel, Vienna, Austria-Hungary, F. Eichberg and J. Alexander, Berlin, Germany, assignors to General Electric Company. Control of alternating-current motors	766,310	Aug. 2	348	73	111	1117
Winter, William J., Christopher, Wash. Saw-sharpener	750,144	Jan. 19	3204	688 689	108	744
Winterer, Emil, New York, N. Y. Cigar-maker's machine	764,024	July 5	216	39	111	51
Winterer, Herman L. (See Farwell, George A., assignor.)						
Winternitz, Gustav. (See Janik, Frank, assignor.)						
Winternitz, Hugo, Halle-on-the-Saale, assignor to Firm of E. Merck, Darmstadt, Germany. Solidified hydrogenated fat and making same	774,224	Nov. 8	1341		113	320
Wintrow, James H., LeGrand, Iowa. Extensible frame for horse-collars	774,141	Nov. 1	1192	254	113	269
Wintrows, Claes E., Pittsburg, Pa. Steam-turbine	774,715	Nov. 8	2253	490	113	516
Winters, Edward B., Coffeyville, Kans. Plow	774,690	Nov. 8	2087	454 455	113	479
Winters, Elhanan C., Rockfalls, Ill. Railway-spike lock	751,767	Feb. 9	1818	114	108	1461
Winters, Elhanan C., Rockfalls, Ill. Railway spike-lock	765,924	Aug. 30	5731	1204	111	2388
Winters, John C., Mount Morris, N. Y. Can-filling machine	768,136	June 21	3007	648 649	110	2131
Wintner, Hugo, et al. (See Dollard, Thomas, assignor.)						
Winton, Alexander, Cleveland, Ohio. Double brake for vehicles	764,325	July 5	835	170 171	111	184
Winton, Henry D., Wellesley Hills, Mass. Packaging-machine	772,855	Oct. 18	3295	720	112	1708
Wintsch, Karl, Jr., Newark, N. J. Bone-holding device	757,166	Apr. 12	1907	416	109	1766
Wire Goods Company. (See Washburn, Reginald, assignor.)						
Wire Novelty Manufacturing Company. (See Haley, Thomas S., assignor.)						
Wireless Railway Company. (See Fullen, Leon W., assignor.)						
Wireless Telegraph Company of America. (See De Forest, Lee, assignor.)						
Wirsching, Harman, Dayton, Ohio. Car-stop	752,875	Feb. 23	3973	890	108	1976
Wirsing, Max, Baltimore, Md., assignor to Philadelphia Arms Company, Philadelphia, Pa. Ejector mechanism for firearms	767,621	Aug. 16	3921	681	111	1747
Wirt, Charles, Philadelphia, Pa. Rheostat	764,651	July 12	1562	313	111	328
Wirt, Paul E., Bloomsburg, Pa. Fountain-pen	764,652	July 12	1565	319	111	358
Wirt, Reuben D., Philadelphia, Pa. Garbage-cart	758,343	Apr. 26	4271	917	109	2313
Wirth, John A., Pittsburg, and J. Beech, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Soldering apparatus	767,465	Aug. 16	2697	566 567	111	1674
Wirtz, Luis, and T. Hamilton-Adams, London, England. Electric-arc lamp	748,904	Jan. 5	667	148	108	150
Wirtz, Henry P., Paterson, N. J., assignor to Schaum and Uhlinger, Philadelphia, Pa. Split-shed mechanism for looms	774,225	Nov. 8	1342	286	113	320
Wisbech, Christian, Christiania, Norway. Radiator-valve	774,769	Dec. 6	808	132	113	1560
Wisda, Joseph J., Defiance, Ohio. Spring-seat	765,946	July 26	4088	874	111	930
Wise, George W., Glenfield, Pa. Shoe-fastener	758,776	Mar. 1	1090	247	109	235
Wise, James B. (See Wise, William H., assignor.)						
Wise, Oscar. (See Hyatt, Samuel W., assignor.)						
Wise, Peter M., New Rochelle, assignor to Bioplasm Company, New York, N. Y. Bottle-filling machine	775,050	Nov. 15	2993	687	113	703
Wise, Samuel B., Whiteoaks, N. Mex. Ter. Ore washer and separator	765,801	July 26	3836	817	111	874
Wise, Samuel B., Whiteoaks, N. Mex. Ter. Water-recovering appliance for placer-mining machines	765,802	Oct. 26	3838	817	111	874
Wise, Solomon F., Philadelphia, Pa., assignor to H. B. Smith Machine Company, Smithville, N. J. T-roning machine	771,756	Oct. 4	1047	233	112	1183
Wise, William H., assignor to J. B. Wise, Watertown, N. Y. Hinge-joint	774,409	Nov. 8	1677	359	113	393
Wise, William S., St. Louis, Mo. Suspensory	765,261	July 19	2715	565	111	624
Wisburn, Frank P., Brooklyn, and L. Buhle, Woodhaven, assignors to Patent Tobacco Sample Binder Company, New York, N. Y. Bundling apparatus	774,226	Nov. 8	1343	286	113	320

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Wiseman, Daniel E., Spokane, Wash. Fault-locator for electric cables	754,402	Mar. 8	2379	519 520	109	586
Wiser, Frank A. (See McCray and Wiser.)						
Wishart, James M., Pasadena, Cal. Window-weight	765,446	July 19	3486	736	111	789
Wishart, William, assignor of two-thirds to H. Kruger and F. Dale, Chicago, Ill. Instantaneous heater	774,298	Nov. 8	1476	817 818 819	113	349
Wiskott, Max, Breslau, Germany. Picture-frame	755,267	Mar. 22	4022	591	109	928
Wisner, Isaiah. (See Wismer, Levi and I.)						
Wisner, Levi and I., Redman, Mich. Feed-water heater	755,981	Mar. 29	5409	1195	109	1250
Wisniewer, Christian, et al. (See Lotz, Wisniewer, Hammer, Thoma, and Rentschler.)	751,424	Feb. 2	1191	271	108	1310
Wisniewer, Henry, Emporia, Kans. Concentrator	751,425	Feb. 2	1192	271 272	108	1310
Wisner, Charles H., Flint, Mich., assignor to P. P. G. Hall, Jr. Sparking plug for combustion-engines	772,856	Oct. 18	3301	720	112	1710
Wisner, Clarence B., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Coating-machine	775,694	Nov. 22	4398	928	113	1045
Wisner, William E. (See Metcalf, Jefferson D., assignor.)						
Wisniewski, Stanislaus, Warsaw, N. D. Lock	757,588	Apr. 19	2770	606	109	1966
Wishart, Jones, Philadelphia, Pa. Locomotive-boiler	750,145	Jan. 19	3206	689	108	745
Wiswell, Ozo N., Lynn, Mass., assignor to General Electric Company. Inclosed-arc lamp	766,787	Aug. 2	1339	283	111	1339
Wiswell, Ozo N., Snoqualmie Falls, Wash., assignor to General Electric Company. Inclosed-arc lamp	766,788	Aug. 2	1341	283	111	1339
Witham, George S., Millinocket, Me. Paper-winding machine	753,344	Mar. 1	230	53	109	52
Witham, George S., Millinocket, Me. Paper-winding machine	767,193	Aug. 9	2183	456	111	1543
Witherell, George E., Hartford, Conn., assignor to Remington Arms Company, Ilion, N. Y. Single-trigger mechanism for firearms	767,537	Aug. 16	2850	596	111	1709
Withers, Charles A., Augusta, Ga., assignor to International Ventilator and Deflector Company, Washington, D. C. Ventilator	757,534	Apr. 19	2653	582	109	1938
Withers, Charles A., Augusta, Ga., assignor to International Ventilator and Deflector Company, Washington, D. C. Ship's cowl	761,620	May 31	6021	1292	110	1408
Withers, Charles A., Augusta, Ga., assignor to International Ventilator and Deflector Company, Washington, D. C. Ventilator	771,449	Oct. 4	455	103	112	1055
Withington, Sherman S., assignor to Adrian Wire Fence Company, Adrian, Mich. Wire fence	749,137	Jan. 5	1185	253	108	274
Witkowicz, Wladimir, Kiew, Russia. Multiple evaporating apparatus	753,777	Mar. 1	1091	247 248	109	235
Witkowski, Charles, assignor to Randall-Faichney Co., Boston, Mass. Hypodermic syringe	762,676	June 14	1949	421	110	1879
Witman, Arthur C., Columbus, Ohio. Gas-stove	754,180	Mar. 8	1898	423	109	435
Witmer, Aaron G., Norfolk, Nebr. Hammer	778,093	Dec. 20	3237	711	113	2155
Witt, George C., Cincinnati, Ohio. Can	766,566	Aug. 2	866	181	111	1231
Witt, George E., assignor to F. H. Bates, San Francisco, Cal. Vapor-generator	772,488	Oct. 18	2597	571	112	1557
Witt, James W. M., Cedar Bluff, and Z. D. Laney, Blanch, Ala. Photographic case for tombstones	754,369	Mar. 8	2070	459	109	470
Witt, John H., Thornton, Ill. Rubbing or polishing machine	772,870	Dec. 27	4002	870	113	2338
Witt, Rudolph G. (See Jürgens, Julius C. F., assignor.)						
Witt, Samuel, Carmona, Tex. Fence-post	760,507	May 24	3814	809	110	910
Wittbold, Louis, Chicago, Ill. Apparatus for spraying plants	762,014	June 7	782	160	110	1608
Witte, Eduard. (See Hirsch, Ignatz, assignor.)						
Witte, Ernst E., Newark, N. J., assignor to J. E. Mergott Company. Bag-frame handle	760,717	May 24	4248	903	110	1004
Witte, Frederick W., Chelmsford, England. Ball journal-bearing	752,498	Feb. 16	3231	721	108	1793
Witte, Herman J., New York, N. Y. Protective sealing-label	764,653	July 12	1567	310	111	358
Witte, Hubert, assignor to St. Louis Car Company, St. Louis, Mo. Car-seat	748,903	Jan. 5	666	148	108	149
Witte, Hubert, assignor to St. Louis Car Company, St. Louis, Mo. Street-car window	755,982	Mar. 29	5411	1195	109	1250
Witte, Hubert, assignor to St. Louis Car Company, St. Louis, Mo. Window-shade-retaining device	758,344	Apr. 26	4273	917	109	2314
Witte, Hubert, assignor to St. Louis Car Company, St. Louis, Mo. Sign for street-railway cars	762,108	June 7	947	196	110	1642
Witte, Hubert, assignor to St. Louis Car Company, St. Louis, Mo. Retaining device for car-ventilators	778,523	Dec. 27	4096	892	113	2359
Witte, Johanna L. G., Chemnitz, Saxony, Germany. Providing woven fabrics with gobelin-like embroidery designs	765,947	July 26	4089	873	111	930
Witekand, Henry, and R. E. Bourke, Chicago, Ill. Sheet-metal studding	754,270	Mar. 8	3071	459	109	470
Wittemann Brothers. (See Wittemann, Rudolph A., assignor.)						
Wittemann, Jacob F. (See Wittemann, Jacob F., assignor.)						
Wittemann, Jacob F., Brooklyn, assignor to Wittemann Company, New York, N. Y. Apparatus for treating fermentation-gas	766,481	Aug. 2	695	146	111	1192
Wittemann, John, Milwaukee, Wis. Feeding mechanism for carpet-sewing machines	749,249	Jan. 12	1417	304	108	345
Wittemann, Rudolph A., assignor to Wittemann Brothers, New York, N. Y. Bottle-capping machine	759,583	May 10	2030	415	110	478
Witter, Hugo, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Red azo dye	761,123	May 31	5090	1195	110	1201
Witter, James C., New York, N. Y. Air-refrigerating device	774,811	Nov. 15	2492	537	113	591
Wittrich, August, Rankin, Ill. Grain-distributor	765,409	July 19	3016	632	111	689
Wittguschlager, Wilhelm, New York, N. Y. Hat-pin	758,289	Apr. 26	4152	897	109	2286
Wittkowsky, Friedrich W., Des Moines, Iowa. Fire-hose protector for tracks	772,991	Oct. 25	3575	774	112	1789
Wittmer, Xavier, Pittsburg, Pa., assignor to Pittsburg Meter Company. Gas-meter	765,320	July 19	2649	651	111	610
Witzenmann, Emil, Pforzheim, Germany. Coupling for the pipes of railway-cars	755,304	Mar. 22	3907	863	109	903
Witzenmann, Emil, Pforzheim, Germany. Chandelier	758,163	Apr. 26	3893	845	109	2232
Witzgall, Christopher. (See Berry, James M., assignor.)						
Witzig, Frank A., Minneapolis, Minn. Attachment for hitching-straps	776,447	Nov. 29	5858	1232	113	1392
Wix, Monroe C., Milburn, Ky. Fence-post	757,860	Apr. 19	3544	767	109	2135
Wixcel, Samuel M., Marcus, Iowa. Two-speed gear	764,908	July 12	2083	431	111	472
Wixcel, Samuel M., Marcus, Iowa. Conveyor	778,561	Dec. 27	4157	906 907	113	2372
Wlost, Gustav A. (See Jungmans and Wlost.)						
Wm. A. Force & Company. (See Spielmann, Charles, assignor.)						
Wm. B. Scaife & Sons Company. (See Greth, John C. W., assignor.)						
Wm. J. Lemp Brewing Company. (See Koedding, William, assignor.)						
Wm. L. Gilbert Clock Company. (See McCabe, Thomas W. R., assignor.)						
Wm. Powell Company. (See Desmond, John, assignor.)						
Wobeser, Theodor von, Hamburg, Germany. Door-handle shield	756,447	Apr. 5	521	108	109	1454

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Wodal, Michael A., Camden, N. J. Brake	757,006	Apr. 12	1580	346	109	1694
Woebber, Adam, Denver, Colo. End-gate for vehicles	765,118	July 12	2461	513	111	551
Woehr, Ernst, Wilksburg, Pa. Brush-holder for dynamo-electric machines	777,709	Dec. 20	2446	537	113	1995
Woerner, William K. H., Evansville, Ind. Adjustable callipers	768,971	June 21	2637	584	110	2068
Woernley, Harry F., Allegheny, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Draw-gear and buffing apparatus	775,959	Nov. 29	4920	1089	113	1176
Woertink, William, Estelline, S. D. Animal-cleaning machine	756,448	Apr. 5	521	108	109	1454
Wogenstahl, Charles, Cincinnati, Ohio. Picture-cabinet	772,992	Oct. 25	3577	775	112	1789
Wohl, Alfred. (See Kolrepp and Wohl.)						
Wolcott, Charles. (See Miner, Louis H., assignor.)						
Wolcott, Frank E., Indianapolis, Ind. Pocket-fumigator	772,993	Oct. 25	3578	775	112	1789
Wolcott, Herbert W. (See Murray, William J., assignor.)						
Wolf, Olaus C., Chicago, Ill. Air-brush	767,510	Aug. 16	2797	585	111	1607
Wolf, Charles L. E. (See Tolke, Hugh, assignor.)						
Wolf, Davis L., Archer City, Tex. Low-down binder	760,290	May 17	3404	718	110	800
Wolf, Edmund T., New York, N. Y., assignor to Standard Piano Hammer and Felt Company. Pressure mechanism	759,793	May 10	2442	511	110	568
Wolf, Edmund T., New York, N. Y., assignor to Standard Piano Hammer and Felt Company. Machine for making piano-hammers	764,025	July 5	219	40, 41	111	51
Wolf, Elmer E., and W. H. Garrett, assignors to Letter Opening Company, Springfield, Ohio. Machine for opening and removing the contents of envelopes	771,852	Oct. 11	1245	277 278 279 280	112	1239
Wolf, Franz E., assignor to Deutsche Industrie-Werke Akt.-Ges., Berlin, Germany. Speed-indicator	760,883	May 24	4499	957	110	1056
Wolf, George N., Anderson, Ind. Hydrocarbon-burner	751,908	Feb. 9	2217	499	108	1551
Wolf, George P. (See Baker and Wolf.)						
Wolf, Harry G. (See Thion and Wolf.)						
Wolf, Hermann, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Composition of matter and producing same	758,759	Apr. 5	1081		109	1574
Wolf, Johann G., Gratz, Austria-Hungary. Paving block or set for use along the rails of tramways	775,486	Nov. 22	3943	883	113	947
Wolf, John H., Sun Prairie, Wis. Wheeled sleigh	750,146	Jan. 19	3207	699	108	745
Wolf, Julius C., Lansing, Mich. Seating-bench	753,778	Mar. 1	1093	248	109	236
Wolf, Mark T., Washington, Pa. Wire-ropo cutter	756,760	Apr. 5	1083	240	109	1574
Wolf, Paul J., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Stop mechanism for envelop-machines	752,499	Feb. 16	3282	731	108	1794
Wolf, Philip, New York, N. Y. Pipe-cleaner	774,461	Nov. 8	1769	882	113	412
Wolf, Rudolph, Bridgeport, Conn. Grinding-machine	755,599	Feb. 16	3285	721	108	1794
Wolf, Sayer and Heller. (See Yuncner, Joseph J., assignor.)						
Wolf, Thomas J. (See Marks and Wolf.)						
Wolf, Wilhelm C., El Paso, Tex. Window-screen or awning holder	772,306	Oct. 11	2396	482	112	1451
Wolfe, Andrew C., Pittsburgh, Pa. Automatic releasing device for safety-trolleys	753,345	Mar. 1	292	53	109	53
Wolfe, Christopher C., and W. J. Bro, Syracuse, N. Y. Corn-husking hook	767,634	Dec. 6	337	72	113	1502
Wolfe, George. (See Foy, Alphonse L., assignor.)						
Wolfe, George R., Lead, S. D. Rail-joint	772,307	Oct. 11	2207	488	112	1452
Wolfe, Isaac V., assignor of one-half to R. C. Simpson, Johnetta, Pa. Brick-pressing machine	776,820	Dec. 6	711	158	113	1583
Wolfe, John M., Seattle, Wash. Wire-grip	766,879	Dec. 6	845	181	113	1012
Wolfe, Robert U., C. T. Martin, and J. E. Handlin, said Handlin and Martin assignors of one-half to V. T. Jensen, Lead, S. D. Copy-holder	760,094	May 17	3927	632	111	717
Wolfe, Walter G., Wakefield, Mass. Lens-grinding machine	766,482	Aug. 2	699	147	110	1193
Wolfe, Walter G., Wakefield, Mass. Photographic-tray rocker	766,483	Aug. 2	703	147	111	1193
Wolfe, William, Batavia, Ohio. Heel-building machine	760,768	May 24	4362	927	110	1028
Wolfe, William, Batavia, Ohio. Grading-machine	774,127	Nov. 1	1168	249	113	264
Wolfe, William, Batavia, Ohio. Rail-feeding mechanism	776,635	Dec. 6	338	72	113	1503
Wolfe, William H., Waynesboro, Pa. Tire-cutting machine	765,898	July 26	3949	843	111	899
Wolfe, Wilsie F., New York, N. Y., assignor to P. B. Bradley, Boston, Mass. Pulverulent-feed device	768,033	June 21	2806	609	110	2037
Wolfe, Wilsie F., New York, N. Y., assignor to P. B. Bradley, Boston, Mass. Pulverulent-feed device	766,407	Aug. 2	530	112	111	1157
Wolfe, Wilsie F., New York, N. Y., assignor to P. B. Bradley, Boston, Mass. Pulverulent-feed burning apparatus	769,974	Sept. 18	1589	338	112	375
Wollensberger, Arnold, West Hoboken, N. J. Loom	749,800	Jan. 19	2715	580	108	642
Woll, H. W., et al. (See Lipschutz, Arthur, assignor.)						
Wolff, Herbert W., and A. Lipschutz, assignors to American Car & Foundry Company, St. Louis, Mo. Hopper-bottom car	763,706	June 28	4135	1901	110	2397
Wolff, Louis, Berlin, Germany. Steadying resistance for arc-lamps	760,961	May 17	2825	743	110	827
Wolff, Louis, Berlin, Germany. Electric-arc lamp	770,489	Sept. 20	2381	547	112	617
Wolfgang, Adolph, assignor to Detroit Cap Manufacturing Company, Detroit, Mich. Cap	759,206	May 8	1245	250	110	284
Wolfinger, John N., Albany, N. Y. Frog for railways	760,362	May 17	2825	742	110	827
Wolfinger, Joseph, Dundas, Wis. Veneer-cutting machine	767,496	Aug. 16	2939	567	111	1674
Wolford, Cecil S., Coshocton, Ohio. Eaves-trough hanger	763,449	June 28	3661	788	110	2297
Wollhaupter, Benjamin, Chicago, Ill. Tie-plate	751,129	Feb. 2	632	147	108	1195
Wollhaupter, Benjamin, Chicago, Ill. Tie-plate	751,967	Feb. 9	2214	499	108	1551
Wolke, Herman, San Francisco, Cal. Turbine	748,678	Jan. 5	235	55	108	51
Wolke, Herman, Newark, N. J. Compound turbine	768,210	Aug. 23	4247	894	111	2037
Wollaston, Thomas R., Manchester, England. Apparatus for removing suspended matter from liquids by continuous decantation	751,038	Feb. 2	472	111	108	1162
Wolter, Albert, Hornum, Germany. Straight-bar knitting-machine	774,299	Nov. 8	1480	318	113	351
Wolman, Ludwig, Elberfeld, Germany, assignor to Farbenfabriken of Elberfeld Co., New York, N. Y. Trioxanthraquinone dye	772,837	Oct. 18	3303		112	1711
Wölner, Eugen, Pittsburgh, Pa. Steam-turbine	776,770	Dec. 6	609	182 183	113	1561
Wolpert, Ernst. (See Hepp and Wolpert.)						
Wolters, Otto, Hanover, Germany. Apparatus for mechanically operating keyboard machines and instruments	773,045	Oct. 25	3697	795 796	112	1815
Woltz, Albert M., and C. A. Suman, assignors of three-fourths to W. R. Roedel, Hendricks Manufacturing Company, and J. W. and R. W. Woltz, Waynesboro, Pa. Bar-holder	777,463	Dec. 13	1954	431 432	113	1875
Woltz, J. W., et al. (See Woltz and Suman, assignors.)						
Woltz, Michael, Wilkins township, Allegheny county, Pa. Emergency car-brake	754,181	Mar. 8	1900	423	109	436

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			Spec.	Dr. &	Vol.	Page.
Woltz, R. W., <i>et al.</i> (See Woltz and Suman, assignors.)						
Wolverine Manufacturing Company. (See Johnson, Henry, assignor.)						
Wolverton, Frank L., Luxora, Ark. Doubletires	756,923	Apr. 12	1411	314	109	1659
Wolverton, Frank L., Luxora, Ark. Doubletires	771,198	Sept. 27	3968	838	112	940
Wolvin, Augustus B., Duluth, Minn. Ship construction	754,107	Mar. 8	1775	394	109	498
Wolyn, Axel H., assignor to Royal Gas Light Company, Chicago, Ill. Vapor-generator	760,675	May 24	4165	884	110	985
Womble, John P., Newport News, Va. Bill-file	775,159	Nov. 15	3396	684	113	755
Wonder Manufacturing Company. (See Brown, Henry H., assignor.)						
Wonnacott, Israel, Waymart, Pa. Snow-scraper	767,725	Aug. 16	3193	670 671	111	1785
Wood, A. L., <i>et al.</i> (See Muth, John P., assignor.)						
Wood, Alan D. (See Lewis, Harry A., assignor.)						
Wood, Albert A., Atlanta, Ga. Bottle-weighing cap	777,168	Dec. 13	1394	308	113	1752
Wood, Albert C. (See Darrow, Wood, and Allen.)						
Wood, Albert C., and J. A. McMullan, Philadelphia, Pa. Battery-plate mold	770,139	Sept. 13	1881	400	112	440
Wood, Albert C., and J. A. McMullan, Philadelphia, Pa. Electrode for batteries	770,140	Sept. 13	1884	400	112	440
Wood, Andrew, Bridgeport, Conn. Mechanical movement	770,789	Sept. 27	3149	667	112	669
Wood, Bert L., Chicago, Ill. Bottles-seal	761,532	June 7	627	128	110	1594
Wood, Charles D., Central Falls, R. I. Corset-spring	748,830	Jan. 5	520	118	108	118
Wood, Clark B. (See Wood, Edward C. and C. B.)						
Wood, David G., Suffern, N. Y. Axle journal and skein	751,130	Feb. 2	636	147	108	1195
Wood Distillates & Fibre Company. (See Dobson, Charles M., assignor.)						
Wood, Edgar J., New York, assignor to M. A. Wood, Brooklyn, N. Y. Turbine	749,770	Jan. 19	2499	532	108	595
Wood, Edward C., Somerville, and C. B. Wood, assignors of one-third to S. T. Frothingham, Boston, Mass. Water-gage	770,141	Sept. 13	1886	401	112	441
Wood, Edward M., Worcester, Mass. Strong box for valuables	770,142	Sept. 13	1888	401	112	441
Wood, Elmer E. (See Mackie, Henry A., assignor.)						
Wood, Edwin C., and F. C. W. Schaeffgen, Milwaukee, Wis. Wire-weaving device	761,895	June 7	390	79,80	110	1526
Wood, Everett S., assignor to Draper Company, Hopedale, Mass. Filling-feeder for automatic looms	769,146	May 3	1694	222	110	249
Wood, Everett S., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom	760,709	May 24	4395	928	110	1028
Wood, Everett S., assignor to Draper Company, Hopedale, Mass. Downhold for looms	775,881	Nov. 22	4745	1006	113	1119
Wood, Frank H. (See Felmie, Samuel T., assignor.)						
Wood, Frank R., and D. F. Shamberger, Sparrows Point, Md. Automatic train signaling and recording system	763,639	June 28	4596	1092	110	2493
Wood, Frank R., and D. F. Shamberger, Sparrows Point, Md. Automatic train signaling and recording system	768,592	Aug. 23	4826	1013	111	2171
Wood, Frank W., Newport News, Va., assignor to C. Cory & Son, New York, N. Y. Ship's signal	775,597	Nov. 22	3380	840	113	955
Wood, Franklin H., Wilkinsburg, Pa. Hair-parting device	764,182	Mar. 8	1590	423	109	436
Wood, Franz J., Des Moines, Iowa. Coupling for traction-engines	770,499	Sept. 20	2418	511	112	581
Wood, Fred W. (See Smith, James D., assignor.)						
Wood, Frederick A., Lawrence, Kans. Stump-pulling machine	772,934	Oct. 25	3579	775	112	1790
Wood, George E., Southington, assignor, by mesne assignments, to Hurwood Manufacturing Company, Plantsville, Conn. Screw-driver	753,186	Feb. 23	4581	1021	108	2112
Wood, George E., Southington, assignor, by mesne assignments, to Hurwood Manufacturing Company, Plantsville, Conn. Screw-driver	765,202	July 19	2789	582	111	639
Wood, Guilford S., assignor, by mesne assignments, to Acme Supply Company, Chicago, Ill. Car-diaphragm	777,234	Dec. 13	1515	336	113	1779
Wood, Harry E., <i>et al.</i> (See Coomber, James, assignor.)						
Wood, Harry S., <i>et al.</i> (See Bishop, Harry J., assignor.)						
Wood, Harvey M., Denver, Colo. Plane	758,948	May 3	741	117	110	112
Wood, Henry A. W., New York, N. Y. Sheet-delivery mechanism	769,124	Aug. 30	6120	1280 1281	111	2475
Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to Detroit Trust Co., trustee, Detroit, Mich. Printing-machine	752,876	Feb. 23	3374	529 530	108	1976
Wood, Henry A. W., assignor to Campbell Printing Press & Manufacturing Company, New York, N. Y. Rotary printing-machine	752,940	Feb. 23	4135	521 522	108	2011
Wood, Henry E. (See Dexter and Wood.)						
Wood, Howard I., Schenectady, N. Y., assignor to General Electric Company. Electrolytic meter	770,922	Sept. 13	1659	370	112	491
Wood, Howard I., and R. C. Robinson, Schenectady, N. Y., assignors to General Electric Company. Lamp-terminal	757,097	Apr. 12	1581	346	109	1694
Wood, James E., Harvard, assignor to E. C. Harmon, Chicago, Ill. Caster-wheel	752,742	Feb. 23	3717	859	108	1919
Wood, James F., Roscos, N. Y. Automatic damper-regulator	774,631	Nov. 8	2969	455	113	479
Wood, James J., Fort Wayne, Ind. Mohd-holder for arc-lamps	751,909	Feb. 9	3219	579	108	1522
Wood, James J., Fort Wayne, Ind. Bending-machine	757,078	Apr. 12	1717	373	109	1724
Wood, James J., Fort Wayne, Ind. Electric arc lamp	757,079	Apr. 12	1730	373 374	109	1724
Wood, James J., Fort Wayne, Ind. Machine for testing dynamos	758,880	May 3	619	121	110	145
Wood, James J., Fort Wayne, Ind. Current-regulator	765,948	July 26	4960	874	111	921
Wood, James M., Washington Court-House, Ohio. Combined table and desk	756,761	Apr. 5	1084	241	109	1574
Wood, James P., Buffalo, N. Y. Storage battery	769,075	Sept. 13	1553	339	112	375
Wood, Jerome I., Philadelphia, Pa. Propeller	755,426	Mar. 22	4322	955	109	962
Wood, John D., St. Louis, Mo. Bag-fastener	756,624	Apr. 12	1112	314	109	1999
Wood, John D., St. Louis, Mo. Dress-suit case	756,925	Apr. 12	1413	315	109	1999
Wood, John T., assignor of one-half to G. L. Settlement, Litchfield, Ill. Gas-machine	767,857	Aug. 16	3462	731 732	111	1843
Wood, Joseph C., New York, N. Y. Steam-generator	778,767	Dec. 27	4548	995	113	2458
Wood, Joseph M. (See Brulewold and Wood.)						
Wood, Joseph M. (See Davis and Wood.)						
Wood, Lewis M. (See Morgan, Alfred W., assignor.)						
Wood, Louis M., Topeka, Kans. Ventilator	756,762	Apr. 5	1065	241	109	1574
Wood, Luverne B., <i>et al.</i> (See Smith, Andrew, assignor.)						
Wood, Margaret A. (See Wood, Edgar J., assignor.)						
Wood, Marion N. (See Buckelew and Flournoy, assignors.)						
Wood, Miles C., Rockhill, S. C. Hoisting and carrying device	751,237	Feb. 2	823	197	108	1340
Wood, Montraville M., Schenectady, N. Y., assignor to General Electric Company. Trolley-hanger	752,501	Feb. 16	3237	732	108	1794
Wood, Montraville M., Schenectady, N. Y., assignor to General Electric Company. Trolley-hanger	762,791	June 14	2231	549	110	1962
Wood, Montraville M., and H. Geisenhoner, Schenectady, N. Y., assignors to General Electric Company. Controller	771,958	Oct. 11	1452	336	113	1288

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Wood, Preston K., Los Angeles, Cal. Motor and pump.	767,028	Aug. 9	1892	385	111	1468
Wood, Robert W., Madison, Wis. Color photograph and making same.	755,983	Mar. 29	5412	1196	109	1250
Wood, Royce M., Chicago, Ill. Telegraph-key.	776,160	Nov. 29	5306	1123	113	1265
Wood, Thomas M., Stamford, Conn. Non-refillable bottle.	757,707	Apr. 19	3001	652	109	2017
Wood, W. B. (See Simpson, Horatio S., assignor.)						
Wood, Walter S., Kalamazoo, and S. Douglass, Texas township, Kalamazoo county, Mich. Roller-bearing.	760,508	May 24	3815	809	110	910
Wood, Wilfred R., London, England. Means for operating valves.	773,111	Oct. 25	3952	838	112	1877
Wood, William, et al. (See Baines, William J., assignor.)						
Wood, William H., Rochester, N. Y. Lacing-hook.	772,015	Oct. 11	1598	363	112	1315
Wood, William J., Pittsburg, Pa. Molder's box.	777,994	Dec. 20	3057	672	113	2118
Wood, William O., and J. H. Miller, South Hetton, England. Mining-machine.	773,310	Oct. 25	4376	925	112	1971
Wood, William T., Nashville, Tenn. Hydrocarbon burner.	776,161	Nov. 29	5307	1123	113	1265
Woodard, Albert S., Mansfield, Ohio. Binding.	757,990	Apr. 19	3544	767	109	2136
Woodard, Alvin N., assignor to J. H. Glasener, Mansfield, Ohio. Washing-machine.	760,942	May 24	4707	1009	110	1101
Woodard, Lorenzo D. (See Vance, Sidney F., assignor.)						
Woodborough, Henry, New York, N. Y. Protractor.	753,025	Feb. 23	4303	956	108	2051
Woodbridge, Jonathan E., Schenectady, N. Y., assignor to General Electric Company. Means for starting alternating-current dynamo-electric machines.	755,824	Mar. 29	5090	1131	109	1177
Woodbridge, Jonathan E., Schenectady, N. Y., assignor to General Electric Company. Means for varying the voltage of alternating currents.	768,354	Aug. 23	4320	951	111	2096
Woodbridge, Jonathan E., Albany, N. Y., assignor to General Electric Company. Potential-indicator for high-voltage circuits.	761,280	May 31	5396	1148	110	1267
Woodbridge, Jonathan E., Albany, N. Y., assignor to General Electric Company. Means for controlling the division of load between synchronous motor-generator sets.	764,407	May 5	1019	207	111	2227
Woodburn, Oscar P., Pierce, Tex. Punching-machine.	750,746	Jan. 26	4362	943	108	1015
Woodbury, George E., San Francisco, Cal. Ore-concentrator.	757,008	Apr. 12	1583	346	109	1694
Woodbury, Seth H., Lynn, Mass. Hand-loom.	763,828	June 28	4798	952	110	2449
Woodbury, Urban A., Burlington, Vt. Automatic railway-switch.	756,401	Apr. 26	4373	940	109	2335
Woodbury, Urban A., Burlington, Vt. Automatic railway-switch.	758,490	Apr. 26	4550	978	109	2377
Woodcock, Bottomley. (See Davies, Woodcock, and Oddy.)						
Woodcock Plate Ice Company. (See Woodcock, Willard J., assignor.)						
Woodcock, Willard J., Brooklyn, N. Y., assignor to Woodcock Plate Ice Company. Ice-freezing plate.	762,972	June 21	2698	585	110	2063
Woodcock, Willard J., Brooklyn, N. Y., assignor to Woodcock Plate Ice Company. Ice-tongs.	762,973	June 21	2699	585	110	2063
Woodford, Bronson C., Holyoke, Mass. Hydrocarbon-burner.	772,016	Oct. 11	1600	363	112	1316
Woodhouse, Daniel A., New York, N. Y. Fire-escape.	761,806	June 7	392	80	110	1526
Woodhull, Morris, Dayton, Ohio. Body-loop.	777,875	Dec. 20	2801	615	113	2069
Woodin, Foster H. (See Woodin, John F. and F. H.)						
Woodin, Hiram U., et al. (See Anderson, Robert S., assignor.)						
Woodin, John F. and F. H., Lexa, Ark. Cattle-guard.	775,231	Nov. 15	3404	717	113	808
Woodison, Edward J. (See Sullivan, Charles A., assignor.)						
Woodison, Edward J. (See Sullivan, Sweeney, and Woodison.)						
Woodland, Frank O., assignor to Economic Machinery Co., Worcester, Mass. Feeder connecting collar mechanism for bottle-stoppering machines.	766,090	July 26	4387	939	111	994
Woodland, John W. (See Patten, James S., assignor.)						
Woodley, Whitford W., Elizabeth City, N. C. Implement for fastening belts.	757,589	Apr. 19	2772	606	109	1967
Woodley, Whitford W., Elizabeth City, N. C. Implement for punching belts.	768,137	Mar. 21	3009	649	110	2132
Woodman, George A., assignor to Cushman, Henry V., assignor.)						
Woodman, George E., London, England. Glove.	753,779	Mar. 1	1094	248	109	236
Woodman, Robert, Malden, Mass. Embossing-punch.	758,491	Apr. 26	4555	978	109	2378
Woodman, Robert, Malden, Mass. Lock-stub for sale-checks.	760,718	May 24	4250	903	110	1004
Woodman, William H., Melrose, Mass. Bundle-carrier.	759,056	May 3	927	188	110	212
Woodmanse, Harrison. (See Grattelo and Woodmanse.)						
Woodmanse, Arnold E., Woonsocket, S. D. Mechanical stoker.	770,143	Sept. 13	1899	401	112	441
Woodrow, Arthur E. (See Ward, Joseph, assignor.)						
Woodruff, Frank, Rochester, Pa. Glass-finishing apparatus.	765,119	July 12	2463	514	111	552
Woodruff, George B. and T. W. R. McCabe, assignors to William L. Gilbert Clock Company, Winsted, Conn. Clock-case.	748,679	Jan. 5	238	55	108	52
Woodruff, Lorenzo D., Lincoln, Nebr. Ballot-box.	765,803	Nov. 26	3839	818	111	874
Woods, Charles C., Easton, Pa. Can-top.	775,202	Nov. 15	3299	704	113	777
Woods, Charles C., assignor to Canister Manufacturing Company, Easton, Pa. Cover for packing vessels.	757,167	Apr. 12	1908	416	109	1767
Woods, Charles C., assignor to Canister Manufacturing Company, Easton, Pa. Cap for retaining vessels.	766,091	July 26	4390	940	111	994
Woods, Charles G., assignor of one-half to H. A. McGill, St. Louis, Mo. Window-screen.	768,416	Aug. 23	4681	981	111	2139
Woods, Charles G., assignor to Excelsior Manufacturing and Supply Co., St. Louis, Mo. Window-screen.	768,417	Aug. 23	4682	981	111	2139
Woods, David, San Francisco, Cal. Revolvable exhibition-case.	763,584	June 28	3894	844	110	2345
Woods, Edwin S., Chicago, Ill. Draft-rigging for car-couplings.	749,829	Jan. 19	2609	557	108	618
Woods, Franklin C., Alliance, Ohio. Fish-hook.	751,365	Feb. 2	1100	248	108	1291
Woods, Granville T., New York, N. Y., assignor to General Electric Company. Electric-railway apparatus.	762,792	June 14	2332	509	110	1962
Woods, Granville T. and L., New York, N. Y., assignors to Westinghouse Electric & Manufacturing Co. Railway-brake apparatus.	755,825	Mar. 29	5092	1131	109	1177
Woods, Henry, Alexandria, Mo. Road-grader.	763,650	June 28	4016	875	110	2371
Woods, Henry J. (See Larson, Louis, assignor.)						
Woods, James D., Toronto, Canada. Garter-clip.	756,192	Mar. 29	5776	1276	109	1327
Woods, John, and F. H. Graves, Pittsburg, Pa. Feed-water regulator for steam-boilers.	775,412	Nov. 22	3787	801	113	914
Woods, Lewis H. (See Hampton, John T., assignor.)						
Woods, Lyates. (See Woods, Granville T. and L.)						
Woods, Patrick F., Buffalo, N. Y. Green-sand-core box.	768,138	June 21	3011	649	110	2132
Woods, Thomas H. (See McDonough, William S., assignor.)						
Woods, William, Spencer, Ind. Water filter and purifier.	753,780	Mar. 1	1095	248	109	236
Woods, William W., Springfield, Mo. Heater.	756,763	Apr. 5	1087	241	109	1575
Woodson, Robert S., Boulder, Colo. Welding compound.	755,826	Mar. 29	5104	.....	109	1182
Woodward, Albert E., Nashua, N. H., and H. Shoemaker, assignors to M. V. Gehring, Philadelphia, Pa. Wave-responsive device.	757,802	Apr. 19	3193	694	109	2059
Woodward, Alfred, National Soldiers Home, Va. Refrigerator.	769,882	Sept. 13	1416	302	112	338
Woodward, Arthur H., assignor to International Register Company, Chicago, Ill. Shut-ter mechanism for registers.	778,524	Dec. 27	4096	892	113	2360

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Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Woodward, Charles R., Nottingham, England. Knitting-machine needle	737,378	Apr. 12	2833	509	109	1854
Woodward, Irving C., Chicago, Ill. Combined ink-well and pen-wiper	750,928	Feb. 2	279	66	108	1119
Woodward, J. C., <i>et al.</i> (See Maher, Michael M., assignor.)						
Woodward, Martin J., Petrolia, Canada, assignor to American Steel & Wire Company. Well-boring tool	761,742	June 7	235	45	110	1490
Woodward, Oscar, New York, assignor to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine	777,169	Dec. 13	1395	396	113	1752
Woodward, Russel G., Waukegan, assignor to Union Special Sewing Machine Co., Chicago, Ill. Sewing-machine	753,187	Feb. 23	4082	1022	108	2112
Woodward, Russel G., assignor to Union Special Sewing Machine Company, Chicago, Ill. Chain-stitch sewing-machine	765,120	July 12	2466	1515	111	553
Woodward, Stephen, Franklin Falls, N. H. Knitting-machine needle	757,708	Apr. 19	3003	1516	109	2017
Woodward, William C. (See Wright, Harry G., assignor.)				632		
Wool, James H., <i>et al.</i> (See Kitzmiller, George M., assignor.)						
Woolcott, Henry J., Harrisburg, Pa. Car-starter	762,015	June 7	784	160	110	1609
Woollever, Lester E., Austinsburg, Ohio. Millstone-dress	778,619	Dec. 27	4279	934	113	2398
Woolley, Frederick L., assignor of one-third to J. H. Godman, Cincinnati, Ohio. Neck-tie-holder	766,408	Aug. 2	532	112	111	1157
Woolford, Mahlon, Philadelphia, Pa. Iron-holder	771,595	Oct. 4	741	165	112	1117
Woolley Foundry and Machine Works. (See Burger, Leopold F., assignor.)						
Woolley, Leonidas G., assignor to A. C. Cooney, Kenton, Ohio. Fire-alarm mechanism	750,012	Jan. 19	2956	632	108	694
Woolley, Leonidas G., assignor to A. C. Cooney, Kenton, Ohio. Fire-alarm system	750,013	Jan. 19	2963	634	108	695
Woolman, Clarence E., <i>et al.</i> (See Brindle, Philip S., assignor.)				635		
Woolner, Adolph, Jr. (See Anderson and Woolner.)						
Woolworth, James G., Providence, R. I. Filter and making same	760,364	May 17	3526	743	110	827
Wooster, Silas H., Charlotte, Vt. Harrow	751,768	Feb. 9	1819	415	108	1461
Wootton, William S., Roanoke, Va. Fish-bar clamp	778,730	Dec. 27	4469	978	113	2441
Wootton, William S., Roanoke, Va. Implement for adjusting fish-plate clamps.	778,731	Dec. 27	4471	979	113	2441
Worcester, Ira D., Pittsburg, Pa. Toy	755,339	Mar. 22	4163	968	109	958
Worcester, Ira D., Pittsburg, Pa. Toy	755,984	Mar. 29	5414	1196	109	1251
Worcester, Ira D., Pittsburg, Pa. Post-check currency	771,110	Sept. 27	3791	801	112	903
Worcester, William W., Mansfield, Ohio. Shoe-polishing implement	768,715	Aug. 30	5313	1116	111	2393
Word, Arthur M., assignor to Towers and Sullivan Manufacturing Company, Rome, Ga. Flow or cultivator blade	765,061	July 12	2372	492	111	531
Word, William W., Soulsburyville, Cal. Duplex power-hammer	766,861	Aug. 9	1518	317	111	1397
Worden-Clarke Company. (See Worden, Will J., assignor.)						
Worden, Will J., assignor to Worden-Clarke Company, New York, N. Y. Burial-robe	765,536	July 19	3281	687	111	745
Work, Josiah Q., Lamar, Mo. Vehicle-tire	749,830	Jan. 19	2611	557	108	619
Works, Frank H., Boston, Mass. assignor to Universal Safety Tread Company, Jersey City, N. J. Sidewalk or other light	755,929	Feb. 2	280	66	108	1120
Worlum, Julius F. (See Fuller, James T., assignor.)						
World Flash Company. (See Yetman, Charles E., assignor.)						
World's Fair Novelty Company. (See Butcher, James M., assignor.)						
Worlin, Philip. (See Hirsch and Worlin.)						
Wormald, Joseph. (See Shupert, Wormald, and Shupert.)						
Worrall, Thomas W., New York, N. Y. Mold for making building bricks or blocks	771,519	Oct. 4	594	132	112	1085
Worrall, Thomas W., New York, N. Y. Building brick or block and facing therefor	771,520	Oct. 4	595	133	112	1085
Worrell, Joseph L., Philadelphia, Pa. Meat-slicing machine	756,449	Apr. 5	323	109	109	1454
Worsley, Otto G., Newark, Ill. Pump	751,596	Feb. 9	1504	342	108	1397
Worth, John D. (See Worth, William O. and J. D.)						
Worth, Mason G., Philadelphia, Pa. Means for producing metallic floor-plates	750,242	Jan. 9	3014	645	108	705
Worth, William O., Chicago, Ill. Vehicle-tire and fastener therefor	769,243	Sept. 6	304	49	112	45
Worth, William O. and J. D., Chicago, Ill. Frictional power-transmitting device	757,375	Apr. 12	2334	509	109	1855
Worth, William O. and J. D., Chicago, Ill. Power installation for self-propelled vehicles	757,380	Apr. 12	2335	510	109	1855
Worthington, Amasa, New York, N. Y. Setting for boilers	771,290	Oct. 4	133	30, 31	112	990
Worthington, Charles C. (See Unzicker, Herman, assignor.)						
Worthington, Charles C., Dunnfield, N. J. Steam-engine	757,009	Apr. 12	1586	347	109	1695
Worthington, Charles C., Dunnfield, N. J. Vehicle-wheel tire	777,464	Dec. 13	1950	432	113	1875
Worthington, Clifford A., Trenton, N. J. Shoe-protector for wheel-tires	778,765	Dec. 27	4546	996	113	2498
Worthington, Nicholas A. (See Driskill, James B., assignor.)						
Wortman, George B., Massillon, assignor of one-half to G. E. Furbay, Canton, Ohio. Dental swaging-machine	760,050	May 17	2940	614	110	696
Wörz, Fritz. (See Eisner and Wörz.)						
Wotherspoon, Firm of William. (See Cross and Traquair, assignors.)						
Woven Wire Rubber Company. (See Olson, Charles, assignor.)						
Wovries, Otto C. (See Bordewisch and Wovries.)						
Wozencraft, John A., assignor of one-third to J. T. Mullins, Chicago, Ill. Graphophone alarm-clock	778,434	Dec. 27	3921	833	113	2321
Wraith, Harry, Bradford, England. Exercising attachment for musical instruments.	757,168	Apr. 12	1909	417	109	1777
Wray, Isabelle, Maquoketa, Iowa. Pie-cutter	762,369	June 14	1463	319	110	1765
Wray, Robert, trustee, <i>et al.</i> (See Welsh, Elmer E., assignor.)						
Wren, E. B. (See West, Robert S., assignor.)						
Wrench, Harry H., St. Louis, Mo. Rail-joint	770,996	Sept. 27	3564	750	112	854
Wright, Aaron, Hudson, assignor of one-half to H. W. Avery, Schenectady, N. Y. Display-stand	776,284	Nov. 29	5541	1173	113	1318
Wright, Abner B., Gilbert Station, Iowa. Valve	754,032	Mar. 8	1626	362	109	374
Wright, Augustine W., Pomona, Cal. Folding receptacle	764,654	July 12	1569	319	111	859
Wright and Butler Manufacturing Company. (See Darwin, Harry, assignor.)						
Wright, Charles A., Atchison, Kans. Windmill	753,460	Mar. 1	447	105	109	98
Wright, Charles A., Philadelphia, Pa. Counting mechanism for printing-presses	778,769	Dec. 27	4547	996	113	2499
Wright, Charles C., London, England. Steering mechanism for motor road-vehicles	777,710	Dec. 20	4447	538	113	1955
Wright, Charles D., Chicago, Ill. Detachable and antiseptic mouthpiece for telephone-transmitters	770,410	Sept. 20	2420	511	112	581
Wright, Charles H., Chicago, Ill. Bedstead-guard	774,462	Nov. 8	1770	382	113	412
Wright, Charles H., Chicago, Ill. Nursery-gate	777,322	Dec. 13	1681	373	113	1815
Wright, Charles W., Cleveland, Ohio. Window parting-strip	748,905	Jan. 5	669	148	108	150
Wright, David. (See Thoms, Charles F., assignor.)						
Wright, Edgar A., assignor to Aultman Company, Canton, Ohio. Motor-vehicle	760,509	May 24	3821	810	110	912
Wright, Edgar A., Canton, Ohio, assignor, by mesne assignments, to American Road Machine Company, Kennett Square, Pa. Road-scraper	768,645	Aug. 30	5159	1084	111	2260
				1085		

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Wright, Edward A. (See Turner and Wright.)						
Wright, Edward F., Austin, Tex. Fertilizer	763,450	June 28	3663	-----	110	2297
Wright, Edward W., assignor of one-half to R. A. Critcher, Lexington, Okla. Ter. Support for carriage-top bows	761,281	May 31	5398	1148	110	1288
Wright, Edwin P., Richmond, Va. Dental manikin	760,943	May 24	4709	1003	110	1101
Wright, Ellery C. (See Clark, George H., assignor.)						
Wright, Frank V., San Francisco, Cal. Levee-protector and making same	774,901	Nov. 15	2680	575	113	694
Wright, Gabriel N., Madill, Ind. Ter. Railway-switch	773,361	Oct. 25	4488	950 951 567	112	1995
Wright, General M., Bee, Nebr. Cultivator	767,467	Aug. 16	2700	568	111	1675
Wright, Gilbert. (See Lloyd and Wright.)						
Wright, Gilbert, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Means for controlling governor-motors	751,598	Feb. 9	1508	343	108	1898
Wright, Gilbert, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric switch for high potentials	761,743	June 7	236	45, 46	110	1490
Wright, Gilbert, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Switch-contact	761,744	June 7	238	46	110	1490
Wright, Gilbert, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Switch for electric circuits	761,745	June 7	239	46	110	1491
Wright, Gilbert, assignor to Stanley Electric Manufacturing Company, Pittsfield, Mass. Fuse	770,094	Sept. 13	1701	360	112	401
Wright, Gilbert, and H. C. White, assignors to Stanley Electric Manufacturing Company, Pittsfield, Mass. Electric switch	751,597	Feb. 9	1506	342 343	108	1398
Wright, Gilbert, and H. C. White, assignors to Stanley Electric Manufacturing Company, Pittsfield, Mass. Circuit-breaker	766,311	Aug. 2	350	74	111	1117
Wright, Harry G., assignor to W. C. Woodward, Providence, R. I. Safety-appliance system for electrically-actuated elevators	749,416	Jan. 12	1770	374 375	108	420
Wright, Harry J., New York, N. Y. Hinge for double swing-doors	764,026	July 5	230	41	111	54
Wright, Henry C., assignor to American Silver Company, Bristol, Conn. Shutter for chafing-dish lamp	764,960	July 12	2199	455	111	497
Wright, H. H., Jr. (See Brown, George E., assignor.)						
Wright, J. M. (See Beardslee, John P., assignor.)						
Wright, Jacob D., Worcester, Mass. Automatic check and release mechanism	757,381	Apr. 12	2340	510	109	1856
Wright, Jacob P., New Haven, Conn., assignor to Diamond Match Company, Chicago, Ill. Match-making machine	756,193	Mar. 29	5777	1276 1277 182	109	1328
Wright, Jacob P., New Haven, Conn., assignor to Diamond Match Company, Chicago, Ill. Match-making machine	766,567	Aug. 2	868	183 184 234	111	1231
Wright, James N., assignor to J. S. Mundy, Newark, N. J. Hoisting-engine	772,639	Oct. 18	2870	631 632	112	1616
Wright, John, St. Heliers Bay, near Auckland, New Zealand. Wire-fencing standard and batten	755,427	Mar. 22	4323	956	109	992
Wright, John B., Greensboro, N. C. Safety attachment for car-brakes	768,346	June 21	3403	741	110	2219
Wright, John E., Barrow-in-Furness, England. Furnace-door frame and dead-plate	761,746	June 7	241	46, 47	110	1491
Wright, John S., Duxbury, Mass. Camera	771,757	Oct. 4	1049	233 234	112	1183
Wright, John S., Duxbury, Mass. Photographic shutter	775,436	Nov. 22	3836	811 812	113	924
Wright, John S., Duxbury, Mass. Folding pocket and focal-plane-shutter camera	775,437	Nov. 22	3844	812 813	113	926
Wright, Kirk K. (See Wright, Ralph G. and K. K.)						
Wright, Lewis T., Keswick, Cal. Roasting-furnace	760,510	May 24	3823	811	110	912
Wright, Lewis T., Keswick, Cal. Roasting-furnace. (Reissue)	12,254	Aug. 2	1392	290	111	1352
Wright, Luther A. (See Oakman, Samuel, assignor.)						
Wright, Morris S., Worcester, Mass. Folding pedal for pianolas	766,312	Aug. 2	353	74	111	1118
Wright, Morris S., Worcester, Mass. Pneumatic action for musical instruments	767,673	Aug. 16	3107	650	111	1765
Wright, Morris S., Worcester, Mass. Inclosing case for automatic music-rolls	767,673	Aug. 16	3109	650	111	1766
Wright, Morris S., Worcester, Mass. Valve for pneumatic-actions for musical instruments	769,494	Sept. 6	561	123	112	127
Wright, Norman A., Pontiac, Mich. Vaporizer for hydrocarbon-engines	755,093	Mar. 22	3705	814	109	862
Wright, Ralph C., and D. K. Wade, McPherson, Kans. Box	761,621	May 31	6023	1293	110	1048
Wright, Ralph G. and K. K., Buffalo, N. Y. Apparatus for filling bottles	768,836	Aug. 30	5553	1167	111	2346
Wright, Ralph G. and K. K., Buffalo, N. Y. Device for filling bottles	768,837	Aug. 30	5557	1168	111	2347
Wright, Ransom C., Philadelphia, Pa., and F. E. Stebbins, Washington, D. C. Car-truck construction	769,369	Sept. 6	460	103 104	112	102
Wright, Ransom C., Philadelphia, Pa., and F. E. Stebbins, Washington, D. C. Car-truck	769,370	Sept. 6	466	105	112	105
Wright, Ransom C., Philadelphia, Pa., and F. E. Stebbins, Washington, D. C. Car-truck frame	769,674	Sept. 6	1018	221	112	232
Wright Reverse Company. (See Wright, William J., assignor.)						
Wright, Samuel A., Loveland, and E. E. McManan, Colorado Springs, Colo. Adjustable surgical cot	769,579	Sept. 6	849	182	112	192
Wright, Walter B., assignor to E. Goldman & Company, Chicago, Ill. Bottle-soaking apparatus	757,535	Apr. 19	2656	582 583	109	1999
Wright, Wilfred J., and G. J. Painter, New York, N. Y. Fountain-brush	766,062	July 26	4391	940	111	995
Wright, William. (See Smith and Wright.)						
Wright, William, New Wandsworth, England, assignor of one-half to D. Crewe, Pahiatua, Wellington, New Zealand. Feed-water heater	755,094	Mar. 22	3707	814	109	863
Wright, William, East Moline, Ill., assignor to McConway & Torley Company, Pittsburg, Pa. Car-coupling	773,447	Oct. 25	4671	987	112	2035
Wright, William, and J. Kelso, assignors to McConway & Torley Company, Pittsburg, Pa. Car-coupling	764,835	July 12	1931	395 396	111	439
Wright, William A., New York, N. Y. Garment-supporter for men	756,764	Apr. 5	1089	241	109	1575
Wright, William D. (See Annan, George H., assignor.)						
Wright, William H., Attleboro, Mass. Paring-knife	762,974	June 21	2699	585	110	2064
Wright, William H., assignor of one-half to R. A. Althoff, Baltimore, Md. Bottle	749,124	Jan. 5	1152	244	108	268
Wright, William J., assignor to Wright Reverse Company, Pittsburg, Pa. Reversing-clutch mechanism	749,349	Jan. 12	1637	348 349	108	394
Wright, William J., assignor to Wright Reverse Company, Pittsburg, Pa. Reversing-clutch mechanism	762,109	June 7	948	196	110	1643
Wright, William J., assignor to Wright Reverse Company, Pittsburg, Pa. Reversing-clutch mechanism	762,321	June 7	1152	247	110	1690
Wright, William J., Pittsburg, Pa., assignor to Wright Reverse Company. Reversing-gear mechanism	772,320	Oct. 11	2236	490	112	1458

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Wright's Automatic Tobacco Packing Machine Company. (See Keyes, James A., assignor.)						
Wright's Automatic Tobacco Packing Machine Company. (See Rose, William, assignor.)						
Wrigley, Emanuel, Woonsocket, R. I. Stop-motion device for knitting-machines.	750,147	Jan. 19	3208	690	108	745
Wrigley, Garnet F., Elmira, N. Y. Automatic flash-pan.	778,296	Dec. 27	3640	795	113	2560
Wrought Iron Range Co. (See Culver, Walter L., assignor.)						
Wuest, Philip, Jr., Philadelphia, Pa. Pneumatic tracker-bar	770,790	Sept. 27	3150	668	112	760
Wulff, August, Brooklyn, N. Y. Can-seaming machine.	772,017	Oct. 11	2016	363 364	112	1316
Wulff, Edward, Brussels, Belgium. Throwing animals for taking death leaps	774,017	Nov. 1	960	129	113	218
Wulffing-Lüer, Herman A., Paris, France. Aseptic syringe.	772,450	Oct. 18	2507	549	112	1539
Wulle, Ella C., Mansfield, Ohio. Diagram system for teaching embroidery	778,162	Dec. 20	3365	739 740	113	2185
Wullstein, Herman F. (See Beckworth and Wullstein.)						
Wunder, John, New York, N. Y. Gas-fixtured	754,108	Mar. 8	1777	894	109	408
Wunder, Robert H., Baltimore, Md. Window	765,949	July 26	4094	875	111	931
Wunderlich, Frederick A., New York, N. Y. Paraffin-bath for microscopists.	750,515	Jan. 26	3898	845	108	916
Wundhammer, Ludwig. (See Laub, Nicholas, assignor.)						
Wundrack, Otto, Chicago, Ill. Furnace	757,536	Apr. 19	2662	583	109	1940
Wundsch, Paul, and F. Lange, Berlin, Germany, assignors of one-half to B. Wilmson, Philadelphia, Pa. Ornament	753,761	Mar. 1	1097	249	109	237
Wünsch, Alois, Prague-Smichow, Austria-Hungary. Rotary vessel with charging or discharging means	750,330	Jan. 26	3557	770	108	843
Wünsche, Eugen, Schöneberg, near Berlin, Germany. Preparing printing-plates	749,350	Jan. 12	1639	105	108	394
Wurb, Theodore H., and R. Bauman, St. Louis, Mo. Thermometer	770,345	Sept. 20	2517	488	112	553
Wurtel, Fred J. (See Goodman and Wurtel.)						
Wurth, Albert F., assignor to New Jersey Patent Company, Orange, N. J. Making molds for duplicating phonograph-records	773,617	Nov. 1	153	35	113	40
Wurth, Charles N., Orange, N. J. Phonogram or sound-record	771,758	Oct. 4	1053	234	112	1184
Wurts, Alexander J., assignor to G. Westinghouse, Pittsburg, Pa. System of distribution for electric glow-lamps	774,812	Nov. 15	2493	587	113	592
Wurts, Alexander J., and E. Bennett, assignors to G. Westinghouse, Pittsburg, Pa. Electric lamp	758,730	May 3	298	59	110	76
Wurts, Maurice A., St. Paul, Minn. Drafting instrument	776,713	Dec. 6	491	108	113	1536
Wurz, Frederick, et al. (See Moanus, Charles E., assignor.)						
Wüst-Kunz, Caspar, Seebach, Switzerland. Double helical spur-wheel.	765,950	July 26	4095	875	111	932
Wüst-Kunz, Caspar, Seebach, Switzerland. Alternating-current motor	774,018	Nov. 1	961	200	113	219
Wyand-Somers-Moore Patent Developing Company. (See Wyand, William, assignor.)						
Wyand, William, assignor to Wyand-Somers-Moore Patent Developing Company, Col- lingswood, N. J. Turbine-engine	759,584	May 10	2031	415	110	478
Wyand, William, assignor to Wyand-Somers-Moore Patent Developing Company, Col- lingswood, N. J. Rotary engine	762,016	June 7	786	160	110	1609
Wyand, William, assignor to Wyand-Somers-Moore Patent Developing Company, Col- lingswood, N. J. Rotary engine	765,759	July 26	3730	796	111	852
Wyand, William, assignor to Wyand-Somers-Moore Patent Developing Company, Col- lingswood, N. J. Rotary engine	777,360	Dec. 13	1762	391	113	1832
Wyckoff, Charles. (See Sweet, Lartine C., assignor.)						
Wyckoff, Seamans & Benedict. (See Champion, Charles S., assignor.)						
Wyckoff, Seamans & Benedict. (See Chapin, Murray H., assignor.)						
Wyckoff, Seamans & Benedict. (See Crum, Edwin B., assignor.)						
Wyckoff, Seamans & Benedict. (See Diss, Louis P., assignor.)						
Wyckoff, Seamans & Benedict. (See Diss and Schmidt, assignors.)						
Wyckoff, Seamans & Benedict. (See Oppenheim, James, assignor.)						
Wyckoff, Seamans & Benedict. (See Shepard, Charles H., assignor.)						
Wyckoff, Seamans & Benedict. (See Woodward, Oscar, assignor.)						
Wyckoff, Seamans & Benedict. (See Yates and Sommers, assignors.)						
Wykert, Henry R., Omaha, Nebr. Camp-bedstead	752,941	Feb. 23	4142	922	108	2013
Wyland, George C., Williamsport, Pa. Metal fastening device	753,950	Mar. 8	1476	331	109	341
Wyles, Selwyn, Sonora, Ill. Coupling for singletrees or doubletrees	759,585	May 10	2033	416	110	479
Wylie, Gilbert and Moynihan. (See Wylie, Harry W., assignor.)						
Wylie, Harry W., St. Louis, Mo., assignor to Wylie, Gilbert and Moynihan. Parade- cane	778,346	Dec. 27	3743	816	113	2233
Wylie, Thomas N., London, and A. J. Henderson, Seaford, England. Tarpaulin, sheet, cover, and roof	778,620	Dec. 27	4280	934	113	2398
Wylly, James J., Fort Worth, Tex. Game apparatus	748,680	Jan. 5	239	55	108	32
Wyman, George R., assignor to F. W. Bird & Son, East Walpole, Mass. Machine for closing and sealing cartons	752,369	Feb. 16	2981	664 665 666	108	1741
Wyman, George R., assignor to F. W. Bird & Son, East Walpole, Mass. Machine for closing and sealing cartons	771,076	Oct. 11	1739	387	112	1347
Wyman, Horace, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion for looms	762,569	June 14	1894	408	110	1868
Wyman, Horace, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion for looms	764,326	July 5	837	170	111	184
Wynter, John P., Ouray, Colo. Feed-controller	777,361	Dec. 13	1763	392	113	1833
Wynegar, Clyde B., Greenwood, Ind. Pole clamp or coupling	760,536	May 24	3987	848	110	948
Wynne, Agnes, et al. (See Wynne, Philip H., assignor.)						
Wynne, Philip H., assignor to L. E. Knott Apparatus Company and A. Wynne, Boston, Mass. Apparatus for reading angular deflections	763,829	June 28	4380	932	110	2450
Wynne, Robert N., Raleigh, N. C. Trap	765,869	July 26	3950	844	111	899
Wynnb, Theodore H. (See Baumann, Robert, assignor.)						
Wysard, Hermann P., assignor of one-half to B. W. Sweet, Erie, Pa. Neck-protector.	776,041	Nov. 29	5088	1074	113	1216
Wysocki, Stanislaus. (See Krzyzanowski and Wysocki.)						
Xevers, Zachariah, Santa Cruz, Cal. Automatic feeding device and fixtures	756,765	Apr. 5	1091	242	109	1575
Yackel, Catherine E., Junius, N. Y. Exhaust-muller.	758,402	Apr. 26	4378	941	109	2387
Yahrhaus, George H., Shelby, Mo. Farrier's anvil attachment	774,128	Nov. 1	1170	250	113	265
Yale, Edward J., North Attleboro, Mass. Machine for forming collar-buttons.	757,060	Apr. 12	1723	374 375	109	1725
Yale & Towne Manufacturing Company. (See Fletcher, James R., assignor.)						
Yale & Towne Manufacturing Company. (See Taylor, Warren H., assignor.)						
Yancey, Arthur, Dermott, Ark. Seining	778,818	Dec. 27	4645	1015 1016	113	2481
Yankie, James M., Washington Court-House, Ohio. Carriage-curtain fastening	756,090	Mar. 29	5611	1298	109	1298
Yantis, Noah W. and S. S., Assumption, Ill. Purifier for steam-boilers.	757,382	Apr. 12	2342	510	109	1856

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Yantis, Solomon. (See Yantis, Noah W. and S.)						
Yarbrough, Josiah R., Florence, Ala. Combined churn and freezer	763,199	June 21	3014	680	110	2183
Yarnell, Charles S., Minneapolis, Minn. Rubbing or polishing machine	761,023	May 24	4890	1035	110	1139
Yarnell, Charles S., assignor to Moore Carving Machine Company, Minneapolis, Minn. Dust-hood for belt sanding-machines	760,834	May 24	4500	958	110	1056
Yarrington, Charles J. (See Caviness and Yarrington.)						
Yates, Alfred, Milton, Wis. Feeder for corn-busking machines	753,346	Mar. 1	235	84	109	53
Yates, Edgar, Everett, and L. A. Sommers, Boston, Mass., assignors to Wyckoff, Seamans & Benedict, Ilion, N. Y. Type-writing machine	774,346	Nov. 8	1568	1335 336	113	369
Yates, George W., et al. (See Bishop, Harry J., assignor.)						
Yates, James E., Schenectady, N. Y. Electric time-switch	774,019	Nov. 1	964	201	113	219
Yates, John A., Rockfort, Ind., assignor to Florence Manufacturing Company, Northampton, Mass. Tooth-brush	759,490	May 10	1859	374	110	442
Yates, John W., Whaley Bridge, England. Treating cloth, &c	772,598	Oct. 18	2797	616	112	1601
Yates, Odaville, Portland, Oreg. Sewing-cabinet	760,865	May 17	3528	643	110	828
Yates, William C., Schenectady, N. Y., assignor to General Electric Company. Rheostat	755,828	Mar. 29	5107	1132	109	1182
Yates, William C., Schenectady, N. Y., assignor to General Electric Company. Rheostat	758,164	Apr. 26	3898	845	109	2232
Yates, William C., and P. Zimmer, Schenectady, N. Y., assignors to General Electric Company. Rheostat	755,827	Mar. 29	5104	1132	109	1182
Yawman & Erbe Manufacturing Company. (See Weidner, Carl A., assignor.)						
Yawman and Erbe Manufacturing Company. (See Yawman, Philip H., assignor.)						
Yawman, Frederick G., assignor of one-half to C. Engert, Jr., Rochester, N. Y. Ventilator	755,095	Mar. 22	3708	814	109	863
Yawman, Philip H., assignor to Yawman and Erbe Manufacturing Company, Rochester, N. Y. Label-holder	769,204	Sept. 6	123	30	112	28
Yawman, Philip H., assignor to Yawman and Erbe Manufacturing Company, Rochester, N. Y. Paper-file	774,410	Nov. 8	1678	360	113	393
Yaxley, Ernest E., Chicago, Ill. Telephone substation outfit	769,125	Aug. 30	6129	1282	111	2476
Yaxley, Ernest E., assignor to American Electric Telephone Company, Chicago, Ill. Transmitter	748,906	Jan. 5	670	148	108	151
Yaxley, Ernest E., assignor to American Electric Telephone Company, Chicago, Ill. Telephone-hook switch	749,977	Jan. 19	2884	617	108	677
Yaxley, William F., Chicago, Ill. Calculating-machine	767,468	Aug. 16	2708	568 569	111	1675
Ycre, Baptiste, New York, N. Y. Baking-rack	762,459	June 14	1653	357	110	1817
Ycre, Baptiste, New York, N. Y. Baking-pan	762,460	June 14	1653	357	110	1818
Ycre, Baptiste, New York, N. Y. Baker's oven	762,461	June 14	1657	358	110	1818
Ycre, Baptiste, New York, N. Y. Mold for making French rolls	772,688	Oct. 18	2972	652	112	1638
Yeager, Ernest C., Rockdale, Tex. Lifting-jack	752,502	Feb. 16	3398	732	108	1795
Yeakel, D. Dawson. (See Beatty, Franklin E., assignor.)						
Yeakel, Melvin A., Cleveland, Ohio, assignor to Williams, White & Co., Moline, Ill. Combined compression and exhaustion pump	774,503	Nov. 8	1857	403	113	430
Yearly, Edward J., Burlington, N. J. Fruit-jar	765,410	July 19	3017	632	111	689
Yearly, Edward J., assignor of one-half to M. J. Gray, Burlington, N. J. Fork attachment	773,270	Oct. 25	4306	910	112	1957
Yeatman, John A., San Francisco, Cal. Hydraulic nozzle and joint	749,417	Jan. 12	1773	375	108	421
Yeider, Perry B., Helena, Mont. Wire-fence stay-clamp	763,830	Dec. 28	4383	952	110	2450
Yentzer, Francis M., assignor to J. E. Porter Company, Ottawa, Ill. Hay-carrier	777,465	Dec. 13	1958	433 433	113	1876
Yeoman, William J., Mankato, Kans. Stovepipe-cleaner	777,466	Dec. 13	1959	433	113	1876
Yeomans, Edward, Chicago, Ill. Automatic sewage-ejector	757,169	Apr. 12	1910	418	109	1767
Yeomans, Richard Y., Beaverfalls, Pa. Rotary-brush machine	775,790	Nov. 22	4571	969	113	1082
Yetman, Charles E., Oakpark, assignor to World Flash Company, Chicago, Ill. Ribbon mechanism for type-writing machines	760,676	May 24	4167	885 886 903	110	986
Yetman, Charles E., Oakpark, assignor to World Flash Company, Chicago, Ill. Type-writing machine	760,719	May 24	4251	904 905 906	110	1004
Yingling, George S., Tiffin, Ohio. Compound	770,883	Sept. 27	3346	632	112	804
Yoast, James, Lima, Ohio. Apparatus for freeing oil-wells from oleaginous obstructions	766,313	Aug. 2	355	74	111	1119
Yocum, Elra A., and J. A. Swihart, Lima, Ohio. Pumping-jack	756,766	Apr. 5	1094	242	109	1576
Yocum, Myron A. (See McNamire and Yocum.)						
Yoder, David A., Toledo, Ohio. Telephone call-register and time-indicator	777,764	Dec. 20	2545	554 632	113	2017
Yoe, Philip, assignor to himself, E. W. Hanley, and K. Fitzpatrick, Dayton, Ohio. Voting-machine	752,276	Feb. 16	2809	624	108	1703
Yoerger, George, Brooklyn, N. Y. Exercising apparatus	757,709	Apr. 19	3004	652	109	2017
Yoho, John P., Seattle, Wash. Fan and mirror attachment for rocking-chairs	757,857	Apr. 19	3291	713	109	2079
Yokum, Frank A., Seattle, Wash. Mechanical movement	758,578	Apr. 26	4725	1019	109	2415
Yondorf, David, et al. (See Dewey, Luman R., assignor.)						
York, Admiral D., Ensley, Ala. Can-opener	766,209	Aug. 2	116	21	111	1067
York, John A., Hopedale, Mass., assignor to Sawyer Spindle Company. Bobbin-clutching means for rotatable spindles	772,599	Oct. 18	2799	616	112	1601
York, John J., Mountville, Ga. Baling-press	758,492	Apr. 26	4556	979	109	2378
York, Raymond D., Portsmouth, Ohio. Rolling-mill	752,743	Feb. 23	3719	830	108	1919
York, Reuben G., Lynn, Mass. Automatic track-lubricator	767,858	Aug. 16	3463	732	111	1843
York Silk Manufacturing Company. (See Bentley, Manton T., assignor.)						
Yorke, Eugene H., Portland, Me. Fluid-mixer	756,450	Apr. 5	524	109 110	109	1454
Yost, Charls A., Donora, Pa. Clamping-dog	758,861	May 3	613	122	110	145
Yost, Fernando, Weehawken Heights, N. J., assignor to Little Giant Fire Extinguisher Company, New York, N. Y. Fire-extinguisher	751,238	Feb. 2	864	198	108	1241
Yost, Frederick W., Chicago, Ill., and W. C. Conant, Atlanta, Ga. Power-transmitter	766,314	Aug. 2	356	75	111	1119
Yost-Miller Company. (See Kenney, Owen E., assignor.)						
Yost Writing Machine Company. (See Roberts, Lyman R., assignor.)						
Yost Writing Machine Company. (See Walker, Charles W., assignor.)						
Yountans, Benjamin P., and H. W. Rand, Vancouver, Wash. Ball-bearing wheel-hub	749,652	Jan. 12	2238	472	108	520
Young, Andrew M., et al. (See Le May, Marcus M., assignor.)						
Young, Bengt J., Minneapolis, Minn. Plate-holder kit	773,841	Nov. 1	592	127	113	135

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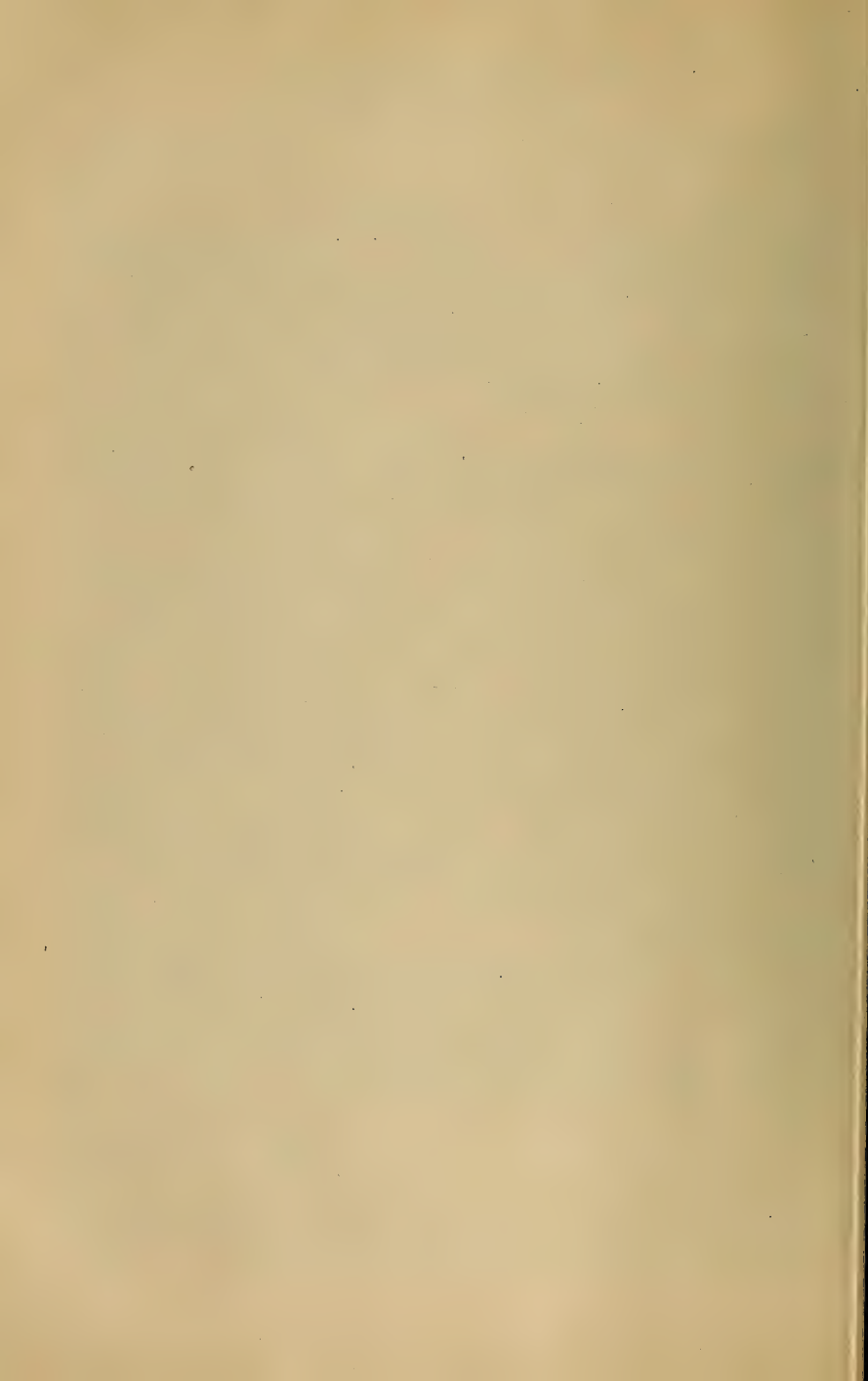
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Young, Charles A. (See Young, George A. and C. A.)						
Young, Charles M., San Francisco, Cal. Closure for bottles or other receptacles	702,793	June 14	2336	510	110	1964
Young, Charles P. (See Kraft and Young.)						
Young, Daniel W., Jr., H. B. Graf, and C. O. Shupert, Miamisburg, Ohio. Floor-covering protector	766,210	Aug. 2	117	22	111	1067
Young, David. (See Jackson, William S., assignor.)						
Young, Edward, Jeffersonville, Ohio. Lubricator for handsaws	776,448	Nov. 29	5859	1238	113	1392
Young, Eleazer L., Boston, Mass. Puzzle	775,635	Nov. 22	4401	929	113	1046
Young, Elmer A. (See McElwain and Young.)						
Young, Ernest A., and L. C. Fuller, Hardwick, Vt.; said Fuller assignor to said Young. Valve attachment for oil-cans	757,170	Apr. 12	1913	418	109	1768
Young, Ernest J., Fleming, N. Y. Beet-blocking machine	773,178	Oct. 25	4119	870	112	1916
Young, Frank. (See Maguire and Young.)						
Young, Frank C., New Haven, Conn. Device for teaching penmanship	753,782	Mar. 1	1099	249	109	237
Young, Frank C., New Haven, Conn. Device for teaching penmanship	764,970	July 12	2200	455	111	497
Young, Frank C., assignor of one-half to G. A. Booth, New Haven, Conn. Device for teaching penmanship	757,383	Apr. 12	2344	511	109	1856
Young, Franklin K., Boston, Mass. Firearm	764,513	July 5	1240	254 255	111	271
Young, Frederick W., East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. Commutator for dynamo-electric machines	752,634	Feb. 16	3516	782	108	1857
Young, George A. and C. A., Detroit, Mich. Water-still	750,747	Jan. 26	4364	943	108	1016
Young, George H., Elmira, N. Y. Electric-light fixture	763,237	June 21	3214	632	110	2178
Young, George R., Ridgewood, N. Y. Time damper mechanism	764,875	July 12	2000	412	111	454
Young, Glenn H., et al. (See Cazier, Perry H., assignor.)						
Young, Harry T., Homestead, Pa. Device for operating street-railway switches	749,009	Jan. 5	908	192	108	212
Young, Henry. (See Kolmer and Young.)						
Young, Henry M., St. Charles, assignor to L. Evans, Chicago, Ill. Speed-controlled safety-stop for elevators	766,789	Aug. 2	1343	283	111	1340
Young, Henry R. (See Pleukharp, Irvin H., assignor.)						
Young, Homer J., Toledo, Ohio. Sewing-machine motor	767,128	Aug. 9	2049	426	111	1515
Young, James E., Wayland, N. Y. Combined lock and latch	753,783	Mar. 1	1100	250	109	238
Young, Jefferson D., Avoca, Iowa. Gate for railway-crossings	766,923	Aug. 9	1651	346 347	111	1428
Young, John, et al. (See Seiser, George F., assignor.)						
Young, John A., Los Angeles, Cal. Oil-burner	766,862	Aug. 9	1530	317	111	1307
Young, John B., Belt, Mont. Hay-frame loader or unloader	763,532	June 28	3797	821 822	110	2325
Young, John L., Columbus, Ga. Trolley-pole	777,581	Dec. 13	2207	484	113	1929
Young, John W. (See Roberts, James, and Young.)						
Young, Joseph A., New York, N. Y. Door check and closure	754,629	Mar. 15	2837	619 620	109	653
Young, Joseph F., Pittsburg, Pa. Safety-envelop	749,010	Jan. 5	909	192	108	212
Young, Joseph H., Northampton, Mass. Skeining or winding cylinder	755,096	Mar. 22	3709	814 815	109	863
Young, Marcus. (See Maddin, Samuel D., assignor.)						
Young, Norman, Grand Encampment, Wyo. Automatic train-arresting device	772,489	Oct. 18	2599	571	112	1558
Young, Otis W., Rockford, Iowa. Valve-gearing	751,769	Feb. 9	1820	415	108	1461
Young, Otis W., Chicago, assignor of one-half to O. C. Mann, Oakpark, Ill. Steam-engine valve	751,131	Feb. 2	637	147 148	108	1196
Young, Peter, Rockfalls, Iowa. Tail-holder for cows	754,033	Mar. 8	1628	362	109	374
Young, Philip M. (See Lovekin, Young, and Krapp.)						
Young, Samuel D. (See Everest, Laban J., assignor.)						
Young, Samuel M., New York, N. Y. Signaling for electric railways	757,537	Apr. 19	2664	584	109	1941
Young, Samuel M., New York, N. Y. Electric signaling system	762,370	June 14	1463	319	110	1775
Young, Samuel M., and F. Townsend, New York, N. Y., assignors to said Young. Electric signaling system	774,813	Nov. 15	2496	538	113	592
Young, Thomas J., et al. (See Raby, Richard, assignor.)						
Young, Thomas K., Whitehall, Ill. Gate construction	777,170	Dec. 13	1398	309	113	1753
Young, William C., assignor of one-half to G. W. Kidd, Minneapolis, Minn. Mail and express car	767,129	Aug. 9	2054	427	111	1516
Young, William C., and J. McMahon, Buffalo, N. Y. Trolley-catcher	752,139	Feb. 16	2542	566 567	108	1641
Young, William H., Troy, N. Y. Steering and steadying mechanism for boats	757,384	Apr. 12	2345	511	109	1857
Young, William J., Lynn, Mass. Counter-molding machine	767,714	Dec. 6	492	108 109	113	1536
Young, William J., Cleveland, Ohio, assignor of one-half to F. W. Beau de Zart. Liquid-carbonating apparatus	761,434	May 31	5691	1212	110	1334
Young, William M. (See Maguire and Young.)						
Youngblood, David. (See Youngblood, John F. and D.)						
Youngblood, John F. and D., Troy, Ala. Apparatus for carbonating liquids	758,403	Apr. 26	4379	941	109	2337
Yunger, Joshua M., Oakland, Cal., assignor of one-half to G. A. Champlin, Sioux City, Iowa. Oil-burner	755,340	Mar. 22	4164	920	109	958
Youngeken, John H., Virginia City, Mont. Runner and propelling attachment for bicycles or other vehicles	756,767	Apr. 5	1095	242	109	1577
Youngeken, Charles A. (See Kuhry and Youngeken.)						
Youngeken, Peter L., Milwaukee, Wis. Continuous kiln	763,533	June 28	3799	822	110	2325
Youngeken, Joseph L., Chateaugay, N. Y. Suction device for pulp-machines	777,362	Dec. 13	1764	392	113	1833
Yount, Samuel C. (See Devore and Yount.)						
Yourttee, Ralph F. (See Daniels and Yourttee.)						
Youse, Edwin S. (See Miller, Charles A., assignor.)						
Yule, John. (See McCutchan, Algernon S., assignor.)						
Yunker, Joseph J., assignor to Wolf, Sayer and Heller, Chicago, Ill. Smoke-house	777,467	Dec. 13	1961	433 434	113	1877
Yund, Albert H. (See Gode, Albert G., assignor.)						
Yunker, Gottlieb. (See Schwing and Yunker.)						
Zabel, Leo, Grand Forks, Canada. Strainer	762,222	June 7	1155	248	110	1691
Zacharias, Edward M., Brooklyn, N. Y. Ruling-pen cleaner	762,570	June 14	1896	408	110	1868
Zacharie, Francis C., New Orleans, La. Water-closet	768,890	Aug. 30	5662	1190	111	2371
Zachry, William E., Brooklyn, N. Y. Car-fender	767,538	Aug. 16	2853	596	111	1710
Zacsek, Stefan, assignor to R. Schimek, New York, N. Y. Brush	755,985	Mar. 29	5417	1196	109	1251
Zahkijanz, Gabriel, assignor to Bergmann Elektrizitäts Werke Aktiengesellschaft, Berlin, Germany. Steam-turbine	769,425	Sept. 6	564	123	112	128
Zahkijanz, Gabriel, assignor to Bergmann-Elektrizitäts-Werke, Aktiengesellschaft, Berlin, Germany. Turbine	771,450	Oct. 4	456	104	112	1055

Alphabetical list of patentees—Continued.

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Zahn, Oswald F., Los Angeles, Cal. Fireproofing and insulating structure	754,109	Mar. 8	1778	395	109	409
Zaiser, William, assignor to Universal Compound Company, New York, N. Y. Wall-facing for dampproofing	756,926	Apr. 12	1414	315	109	1660
Zalukowski, John, Chicago, Ill. Mangle	750,930	Feb. 2	832	66, 67	108	1120
Zalukowski, John, Chicago, Ill. Mangle	771,391	Oct. 4	139	31	112	991
Zalinski, Edmund L., New York, N. Y. Reflector	756,194	Mar. 29	5790	1277	109	1328
Zalinski, Edmund L., New York, N. Y. Reflector	775,741	Nov. 22	4482	948	113	1064
Zamboni, Lawrence, New York, N. Y., assignor to Pressed Metal Manufacturing Company. Pulley or wheel	751,707	Feb. 9	1700	387	108	1438
Zamboni, Lawrence, New York, N. Y., assignor to Pressed Metal Manufacturing Company. Hub for wheels	774,927	Nov. 15	2737	587	113	647
Zandazini, Joseph, Washington, D. C. Musical instrument	769,285	Sept. 6	299	69	112	65
Zander, John, assignor to J. Williamson, Chicago, Ill. Mechanism for operating the damper-valves of gas-generators	770,623	Sept. 20	2822	599	112	670
Zanetti, Vincenzo, Genoa, Italy. Combustion apparatus for furnaces	755,839	Mar. 29	5109	1133	109	1163
Zani, Arnaldo P., Milan, Italy, assignor to General Electric Company. Controlling induction-motors	758,404	Apr. 26	4381	941	109	2338
Zanner, Adolf, Brussels, Belgium. Sulfuric-acid plant	768,108	Aug. 23	4055	851	111	1995
Zaouche, Bachir. (See Giglio and Zaouche.)						
Zapp, John. (See Bettmann and Zapp.)						
Zar-Adusht-Hanish, Ottoman, assignor of two-thirds to H. George and C. Driver, Chicago, Ill. Massage device	754,925	Mar. 15	3398	743	109	776
Zaring, Charles W., New York, N. Y. Composite block for soft treads and making same	749,978	Jan. 19	2887	617	108	678
Zaring, Charles W., New York, N. Y. Horseshoe-pad	762,462	June 14	1660	359	110	1818
Zebrowski, Felix, Chicago, Ill. Pipe-organ	759,398	May 10	1552	312	110	373
Zeck, Frederick C., Morristown, Ind. Boring-machine	768,568	Aug. 2	874	183	111	1232
Zeh, Edmund, assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Feed mechanism for can-body machines	769,927	Sept. 13	1505	322	112	357
Zehner, W. D. (See Souder, Howell W., assignor.)						
Zehner, William H., Snyder, Pa. Vehicle-top	760,366	May 17	3530	743	110	828
Zehrbach, Henry D. (See Lugibihl and Zehrbach.)						
Zeidler, Paul J., et al. (See Baker, Francis M., assignor.)						
Zeidler, Paul M., New York, N. Y. Piano construction	755,341	Mar. 22	4166	920	109	959
Zeidler, William A., assignor of one-half to G. A. Clark, New York, N. Y. Machine for ironing collars or cuffs	772,490	Oct. 18	2600	572	112	1558
Zeidler, William A., assignor of one-half to G. A. Clark, New York, N. Y. Plait-raiser	772,491	Oct. 18	2604	572	112	1559
Zeiger, Albert, New York, N. Y. Trap	765,121	July 12	2470	516	111	553
Zeigler, Harry L., assignor of one-fourth to J. Humphrey, Chicago, Ill. Punching-machine	772,550	Oct. 18	2704	593	112	1580
Zeilner, Karl. (See Neidenbach, Franz, assignor.)						
Zeip, Henry, St. Louis, Mo. Game apparatus	769,286	Sept. 6	302	70	112	65
Zeiss, Firm of Carl. (See Küig, Albert, assignor.)						
Zeiss, Firm of Carl. (See Rohr, Moritz von, assignor.)						
Zeitinger, Anthony F., St. Louis, Mo. Type-casting machine	761,346	May 31	5522	1177	110	1295
Zelenka, Leopold, Mistek, Austria-Hungary. Cycle	766,010	July 26	4227	901	111	959
Zelinsky, Nicholas, Moscow, Russia. Making organic acids	752,744	Feb. 23	3720	108	109	1920
Zeller, Melancthon E., Bluffton, Ohio. Harne-buckle	770,035	Sept. 13	1702	361	112	402
Zellers, Claude M., Cleveland, Ohio. Combined guide and guard for overhead wires	754,592	Mar. 15	2654	576	109	616
Zellers, Mahlon M., Cleveland, Ohio. Automatic cut-off for fluids under pressure	765,770	July 26	3352	844	111	900
Zenger, Simon F., Austin, Pa. Belt	751,132	Feb. 2	641	148	108	1197
Zenker, Charles F., New York, N. Y. Cigar-band	754,110	Mar. 8	1779	395	109	409
Zenkner, Austin. (See Leonard, Daniel W., assignor.)						
Zephyr Textile Company. (See Turner, John, assignor.)						
Zepp, Guy S., Alexandria, Va. Drive-chain coupling	767,095	Aug. 9	1986	413	111	1502
Zeran, Lewis H., Rockford, Iowa. Dentist's implement	769,426	Sept. 6	565	124	112	129
Zerbe, Aaron, Zerbe, Pa. Means for retarding and steering vessels	757,385	Apr. 12	2346	511	109	1857
Zerbe, James S., New York, N. Y. Apparatus for purification of water by electrical means	767,195	Aug. 9	2189	457	111	1544
Zerbe, John A., Lebanon, Pa. Combined scrubber and mop	758,803	Mar. 3	445	89	110	109
Zerbe, John A., Lebanon, Pa. Snap-hook	759,794	May 10	2445	512	110	569
Zesiger, John L., Cleveland, Ohio. Jar-wrench	778,562	Dec. 27	4162	907	113	2373
Zessin, Charles H., Homestead, Pa. Hose-coupling	764,327	July 5	840	171	111	185
Zetty, John H., Columbus, Ohio. Floor-thimble	765,760	July 26	3732	796	111	833
Zeyen, Leopold, Raguhn, Germany. Sieve-cylinder for paper-making machines	771,292	Oct. 4	140	81	112	991
Zibell, Emil, Wabasso, Minn. Fire-escape	771,521	Oct. 4	597	133	112	1086
Zickrick, Gus R. (See Sutherland, Thomas, assignor.)						
Ziebell, Robert, assignor to D. H. Nielson, W. Grady, Oshkosh, and A. Zinn, Milwaukee, Wis. Vending-machine	767,674	Aug. 16	3111	650	111	1766
Ziegenberg, Rudolf, Schöneberg, near Berlin, Germany. Electric dynamo or motor with alternating field	748,907	Jan. 5	672	149	108	151
Ziegler, Alfred M., Boston, Mass. Cast-off	748,908	Jan. 5	674	149	108	151
Ziegler, Arthur W., assignor of one-half to J. W. Slater, Berlin, Wis. Non-collapsible paint tube or receptacle	760,928	Sept. 13	1508	323	112	358
Ziegler, Arthur W., and J. W. Slater, Berlin, Wis. Combined tooth-brush and dentifrice-receptacle	767,499	Aug. 16	2710	569	111	1677
Ziegler, Charles E., Pittsburg, Pa. Tea or coffee percolator	762,794	June 14	2339	510	110	1964
Ziegler, Charles F., Bloomington, Ill. Well-cleaner and blacking-spreader	756,768	Apr. 5	1097	243	109	1577
Ziegler, Friedrich J., Decatur, Ill. Cultivator	749,510	Jan. 19	1991	414	108	665
Ziegler, Joram, Cleveland, Ohio, assignor to Elliott-Fisher Company, New York, N. Y. Platen equipment for type-writing machines	778,392	Dec. 27	3830	837	113	2301
Ziegler, Jules. (See Baumgartner and Ziegler.)						
Ziegler, Matilda J. (See Johnson and Ziegler.)						
Ziegler, Nikolaus, and C. C. Brandon, Pittsburg, Pa. Curtain-fixture	760,835	May 24	4502	958	110	1057
Ziegler, Perry D., Ashtola, Pa. Bar which cannot be sawed through	763,651	June 28	4018	876	110	2371
Ziegler, Peter W., Philadelphia, Pa. Bookbinding	759,795	May 10	2446	512	110	569
Ziems, Otto, Leroy, Ill. Dispensing and measuring apparatus	778,770	Dec. 27	4549	996	113	2459
Zierl, Johann, Hechingen, Germany. Fly-catcher	751,970	Feb. 9	2220	500	108	1532
Zierlein, Richard W., St. Louis, Mo. Vapor-burning lamp	767,726	Aug. 16	3195	671	111	1786
Zilker, Andrew J., A. L. Tidmarsh, and C. J. Armstrong, Austin, Tex. Drier-rack	754,530	Mar. 15	2656	576	109	616
Zilker, Andrew J., A. L. Tidmarsh, and C. J. Armstrong, Austin, Tex. Elevating brick-car	757,710	Apr. 19	3005	653	109	2012

Alphabetical list of patentees—Continued.

Name, residence, and invention.	No.	Date.	Monthly volume.		Official Gazette.	
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Zilles, Leslie F., assignor of one-half to J. C. Gorton and T. B. Burnite, Schenectady, N. Y. Steam-trap	770,210	Sept. 13	2024	427	112	472
Zilliox, John, Buffalo, N. Y. Flue-scraper	751,708	Feb. 9	1701	387	108	1438
Zimmer, Cyrus W., assignor to R. N. Dean, Fort Wayne, Ind. Incubator	763,371	June 14	1466	320	110	1776
Zimmer, Paul. (See Yates and Zimmer.)						
Zimmer, Louis P., assignor of two-thirds to L. M. and C. H. Barrick, Canton, Ohio. Sewing-machine-attachment holder	770,707	Sept. 20	2989	635	112	707
Zimmerli, Charles, assignor to Vetter Desk Company, Rochester, N. Y. Following-block clutch for card-index or document files	768,716	Aug. 30	5314	1117	111	2293
Zimmerman, Arnold W., Chicago, Ill., assignor of one-half to P. M. Kling, Elizabeth, N. J. Trap-door for car-vestibules	774,504	Nov. 8	1860	404	113	431
Zimmerman, Arnold W., Chicago, Ill., assignor of one-half to P. M. Kling, Elizabeth, N. J. Lock for vestibule-car doors	775,617	Nov. 22	4242	894	113	1013
Zimmerman, Arnold W., Chicago, Ill., assignor of one-half to P. M. Kling, Elizabeth, N. J. Sliding-door fastener	775,618	Nov. 22	4244	895	113	1013
Zimmerman, Charles F. (See Cressman, Krauth H., assignor.)						
Zimmerman, Charles F., Naper, Nebr. Pole attachment	763,238	June 21	3215	692	110	2178
Zimmerman, Elbert B. (See Fry, David M., assignor.)						
Zimmerman, Frank M., Aurora, Ill. Holder for trolley-wires	777,468	Dec. 13	1963	434	113	1877
Zimmerman, John, Syracuse, N. Y. Coaster-brake	760,720	May 24	4261	906	110	1006
Zimmerman, John E., Trinidad, Colo. Toy	770,884	Sept. 27	3346	706	112	804
Zimmerman, John W., Chicago, Ill. Resin-distributor for violin-bows	751,599	Feb. 9	1509	343	108	1399
Zimmerman, Otto. (See Eschenbach, Anthony, assignor.)						
Zimmerman, William H., Baltimore, Md. Combined hood and cooking utensil	753,503	Feb. 16	3240	722	108	1795
Zimmerman, William H., Halethorpe, Md. Optical toy	774,632	Nov. 8	2090	455	113	479
Zimmermann, Charles E., Syracuse, N. Y. Base for pillars, &c	769,976	Sept. 13	1595	339	112	376
Zimmermann, George, Pittsburg, Pa., and O. Langos, Alliance, Ohio, assignors of one-third to A. L. Gvatsovsky, Allegheny, Pa. Switch	752,015	Feb. 9	2323	519	108	1573
Zimmermann, Joseph. (See Ricke, George H., assignor.)						
Zimpell, Karl, Stettin, Germany. Saturating apparatus for recovering ammonium sulfate	772,390	Oct. 18	2985	524	112	1512
Zindel, Barnhardt, Green Bay, Wis. Pressure-regulator	757,590	Apr. 19	3773	606	109	1967
Zindorf, Matthias P., Seattle, Wash. Garment-supporter	775,882	Nov. 22	4747	1006	113	1119
Zinn, August, et al. (See Ziebell, Robert, assignor.)						
Zinn, Henry S., Hutchinson, Kans. Tuck-comb	764,697	July 12	1648	336	111	376
Zinn, Henry S., Hutchinson, Kans. Tuck-comb	764,698	July 12	1650	336	111	376
Zipper, Otis E., Home, Ga. Shingle-machine	763,585	June 28	3896	846	110	2346
Ziprick, Herman C., Kansas City, Kans. Beef-intestine wringer	754,630	Mar. 15	2839	620	109	653
Zister, George, Chicago, Ill. Non-refillable bottle	760,836	May 24	4503	958	110	1057
Zister, George, Chicago, Ill. Non-refillable bottle	763,831	June 28	4384	952	110	2450
Zitko, Charles, St. Louis, Mo. Paper-holding device	772,769	Oct. 18	3150	685	112	1676
Zoanetto, Joseph, New York, N. Y. Water-gage	754,034	Mar. 8	1629	362	109	375
Zobrist, Henry A., Highland, Ill. Automatic reversing attachment for fertilizer-distributors	773,842	Nov. 1	593	128	113	136
Zochert, Arthur F., Fond du Lac, Wis. Extension-table	772,770	Oct. 18	3151	686	112	1676
Zoeller, Theodore J. (See Draper and Roy, assignors.)						
Zolles, Andreas, assignor to Zolles Brothers, Fürth, Germany. Means for mounting and exhibiting toy figures	751,824	Feb. 9	1941	440	108	1490
Zolles Brothers. (See Zolles, Andreas, assignor.)						
Zollman, John G., Chicago, Ill. Calculating-machine	775,667	Nov. 22	4345	917	113	1035
Zookovitz, Harry L. (See Brownstein, Benjamin, assignor.)						
Zuber, August W. (See Voorhis, Benjamin P., assignor.)						
Zubillaga, Joaquin. (See Altolaquirre and Zubillaga.)						
Zuck, David H., Mount Carroll, Ill. Corn-shock tier	749,250	Jan. 12	1419	304	108	345
Zuffall, Jacob F., assignor of two-thirds to W. J. Attwood and J. W. Draper, Alden, Iowa. Buckle for connecting checkreins with driving-lines	755,205	Mar. 22	3908	863	109	904
Zumwalt, Joseph C., and E. Stanton, Clay Center, Nebr. Sliding hanger for doors, &c.	756,709	Apr. 5	1098	243	109	1573
Zundel, Gustave A., New York, N. Y. Sounder-frame	764,027	July 5	223	42	111	54
Zundel, Gustave A., New York, N. Y. Key-frame	770,549	Sept. 20	2695	570	112	642
Zurhorst, Ed. H., et al. (See Rohde and Hastings, assignors.)						
Zurn, Charles M., Bridgeton, N. J. Machine for making glassware	777,876	Dec. 20	2803	615	113	2069
Zutt, John C., Evansville, Ind. Window-opener	767,470	Aug. 16	2711	569	111	1677
Zwarnik, Albin L. (See Peck and Zwarnik.)						
Zwick, William F., Seattle, Wash. Safety hair-pin	751,426	Feb. 2	1195	272	108	1311
Zwiebel, Anton, Sr., Burlington, Wis. Window-lock	761,747	June 7	243	47	110	1492
Zwiebel, Josef, New Ulm, Germany. Tub for electric baths	755,830	Mar. 29	5113	1133	109	1183
Zwilling, George F., and C. W. Richards, assignors to Acme Machinery Company, Cleveland, Ohio. Nut-tapping machine	768,503	Aug. 23	4639	1014	111	2172
Zwilling, George F., and C. W. Richards, assignors to Acme Machinery Company, Cleveland, Ohio. Nut-holder				1015		
Zwoyer, Ellsworth B. A. and R. A., Hoboken, N. J., assignors to Zwoyer Fuel Company, New York, N. Y. Apparatus for preparing pulverulent materials for molding or briquetting	770,144	Sept. 13	1893	402	112	443
Zwoyer, Ellsworth B. A. and R. A., Hoboken, N. J., assignors to Zwoyer Fuel Company, New York, N. Y. Preparing pulverulent materials for molding or briquetting	751,133	Feb. 2	642	148	108	1197
Zwoyer Fuel Company. (See Zwoyer, Ellsworth B. A. and R. A., assignors.)						
Zwoyer, Rolland A. (See Zwoyer, Ellsworth B. A. and R. A.)	751,134	Feb. 2	644	149	108	1197



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A. H. Heisey & Co. (See Heisey, Augustus H., assignor.)				
A. M. Collins Manufacturing Company. (See Collins, Henry H., Jr., assignor.)				
A. R. T. Manufacturing Company. (See Anthony, Mark O., assignor.)				
Abel, Edward C., New York, N. Y. Brooch or similar article	36,987	June 21	110	2922
Adler, Emanuel B., assignor to H. Adler Company, Pittsburg, Pa. Heating-stove	37,081	Aug. 9	111	1615
Adler, Emanuel B., assignor to H. Adler Company, Pittsburg, Pa. Heating-stove	37,082	Aug. 9	111	1615
Adler, Emanuel B., assignor to H. Adler Company, Pittsburg, Pa. Heating-stove cover	37,115	Aug. 30	111	2483
Adler, Emanuel B., assignor to H. Adler Company, Pittsburg, Pa. Heating-stove top	37,116	Aug. 30	111	2483
Adler, Emanuel B., assignor to H. Adler Company, Pittsburg, Pa. Heating-stove	37,273	Dec. 20	113	2203
Ahrenfeldt, Charles J., New York, N. Y. Cup or similar article	36,837	Mar. 8	109	539
Ahrenfeldt, Charles J., New York, N. Y. Teapot or similar article	36,838	Mar. 8	109	540
Ahrenfeldt, Charles J., New York, N. Y. Plate or similar article	36,839	Mar. 8	109	540
Ahrenfeldt, Charles J., New York, N. Y. Plate or similar article	36,840	Mar. 8	109	540
Ahrenfeldt, Charles J., New York, N. Y. Plate or similar article	36,841	Mar. 8	109	540
Ahrenfeldt, Charles J., New York, N. Y. Plate or similar article	36,842	Mar. 8	109	540
Alves, Manuel, West Berkeley, Cal. Cement-paving roller	36,738	Feb. 9	108	1577
American Can Company. (See Dietrich, William J., assignor.)				
American Cut Glass Co. (See Anderson, William C., assignor.)				
American Hard Rubber Company. (See Grell, Frederick W., assignor.)				
American Silver Company. (See Large, Samuel J., assignor.)				
American Type Founders Company. (See Benton, Morris F., assignor.)				
American Type Founders Company. (See Bradley and Benton, assignors.)				
American Type Founders Company. (See Kimball, Ingalls, assignor.)				
American Type Founders Company. (See Orcutt, William D., assignor.)				
Anderson, Samuel, assignor to Williams & Anderson, Providence, R. I. Badge or similar article	36,898	May 3	110	295
Anderson, William C., assignor to American Cut Glass Co., Lansing, Mich. Cut-glass vessel	36,738	Jan. 19	108	786
Anderson, William C., assignor to American Cut Glass Co., Lansing, Mich. Cut-glass vessel	36,739	Jan. 19	108	786
Anderson, William C., assignor to American Cut Glass Co., Lansing, Mich. Cut-glass vessel	36,836	Mar. 8	109	539
Anderson, William C., Lansing, assignor to American Cut Glass Co., Detroit, Mich. Cut-glass vessel	36,865	Apr. 5	109	1597
Andresen, Alfred, Minneapolis, Minn. Cover for waffle-irons	37,277	Dec. 27	113	2494
Anheuser-Busch Brewing Association. (See Hahn, Max F., assignor.)				
Anthony, Mark O., New York, N. Y., assignor to himself and A. R. T. Manufacturing Company. Match-box	36,783	Feb. 9	108	1576
Arbenz, Frederick A., West Hoboken, N. J. Fabric	36,826	Feb. 23	108	2133
Aronson, Louis V., Newark, N. J. Clock-case	36,856	Mar. 22	109	1601
Aronson, Louis V., Newark, N. J. Statuette	36,858	Mar. 29	109	1329
Aronson, Louis V., Newark, N. J. Clock-case	36,864	Apr. 5	109	1596
Aronson, Louis V., Newark, N. J. Paper-weight	36,872	Apr. 12	109	1877
Aronson, Louis V., Newark, N. J. Paper-weight	36,873	Apr. 12	109	1877
Aronson, Louis V., Newark, N. J. Paper-weight	36,874	Apr. 12	109	1877
Aronson, Louis V., Newark, N. J. Mug	36,926	May 24	110	1157
Ashton, Harry L., Chicago, Ill. Picture-frame	36,899	May 3	110	295
Atlanta Stove Works. (See Liphart, Cleaner M., assignor.)				
Auld, John, Chicago, Ill. Copy-holder	37,193	Oct. 25	112	2084
Babbitt, Seth W., Meriden, Conn. Candelabrum	37,245	Nov. 22	113	1135
Bailey, Banks & Biddle Company. (See Bailey, Joseph T., assignor.)				
Bailey, Joseph T., Philadelphia, Pa., assignor to Bailey, Banks & Biddle Company. Badge	36,730	Jan. 12	108	555
Balish, Alexander J., New Haven, Conn. Medalion or similar article	36,897	May 3	110	295
Banks, Lucile W., Columbus, Miss. Handle for spoons, forks, or similar articles	37,022	July 5	111	281
Barbee, Thomas M., and S. P. Vogt, Corydon, Ind. Stove	37,121	Sept. 6	112	240
Barber, Vergil C., and W. S. Turner, Chicago, Ill. Badge	37,161	Oct. 11	112	1463
Barker, Samuel N., Kalamazoo, Mich. Playing-card	36,844	Mar. 8	109	541
Barker, Samuel N., Kalamazoo, Mich. Playing-card	36,845	Mar. 8	109	541
Barker, Samuel N., Kalamazoo, Mich. Back for playing-cards	36,968	June 14	110	2001
Barnhart Brothers & Spindler. (See Gault, Sidney C., assignor.)				
Barrett, George H., Jr., assignor to W. R. Phelps & Co., New York, N. Y. Spoon	37,220	Nov. 15	113	897
Bass, E. & J. (See Outcault, Richard F., assignor.)				
Beattie, Herbert W., Quincy, Mass., assignor to Sill Stove Works, Rochester, N. Y. Stove	36,986	June 14	110	2006
Beattie, Herbert W., Quincy, Mass., assignor to Sill Stove Works, Rochester, N. Y. Stove	37,251	Nov. 29	113	1401
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Spoon or similar article	36,981	June 14	110	2004
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,140	Sept. 20	112	717
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,141	Sept. 20	112	717
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,142	Sept. 20	112	717
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,143	Sept. 20	112	717
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,144	Sept. 20	112	717
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,145	Sept. 20	112	718
Bennett, Charles A., assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,146	Sept. 20	112	718
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	36,773	Feb. 2	108	1319
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	36,774	Feb. 2	108	1319
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,134	Sept. 13	112	490
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,135	Sept. 13	112	490
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,136	Sept. 13	112	490
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,137	Sept. 13	112	490
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,138	Sept. 13	112	491
Bennett, Ernest H., East Orange, N. J., assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,139	Sept. 13	112	491

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Benton, Morris F. (See Bradley and Benton.)				
Benton, Morris F., New York, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Font of type	37,234	Nov. 15	113	840
Benton, Morris F., New York, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Font of type	37,235	Nov. 15	113	840
Benza, Victor E., Boston, Mass. Mirror-frame	37,219	Nov. 15	113	836
Berry, George H., Shelton, Conn. Back for mirrors, brushes, or similar toilet articles	36,965	June 14	110	2001
Berry, George H., Shelton, Conn. Back for mirrors, brushes, or similar toilet articles	36,966	June 14	110	2001
Berry, George H., Shelton, Conn. Back for mirrors, brushes, or similar toilet articles	36,967	June 14	110	2002
Berry, George H., Shelton, Conn. Back for mirrors, brushes, or similar toilet articles	36,968	June 14	110	2002
Berry, George H., Shelton, Conn. Metal ornament for silver, plated, or similar ware	36,969	June 14	110	2002
Berry, George H., Shelton, Conn. Metal ornament for silver, plated, or similar ware	36,970	June 14	110	2002
Berry, George H., Shelton, Conn. Metal ornament for silver, plated, or similar ware	36,971	June 14	110	2002
Berry, George H., Shelton, assignor to International Silver Company, Meriden, Conn. Back for mirrors, brushes, or similar toilet articles	37,047	July 19	111	796
Bertram, William L. (See Cope and Bertram.)				
Blackinton & Co., R. (See Hathaway, Albert E., assignor.)				
Blackinton & Co., R. (See Heath and Such, assignors.)				
Blackinton & Co., R. (See Keller, Sidney A., assignor.)				
Blake, William H., Attleboro, Mass., assignor to James E. Blake Company. Back for brushes, mirrors, or similar toilet articles	37,069	Aug. 16	111	1924
Blanke, Herman J., Chicago, Ill. Water-heater	37,113	Aug. 30	111	2483
Blower, Leon, New York, N. Y. Decanter	36,781	Feb. 9	108	1576
Boeck, Charles H., assignor to Novelty Manufacturing Company, Jackson, Mich. Heater	37,085	Aug. 9	111	1616
Boeck, Charles H., assignor to Novelty Manufacturing Company, Jackson, Mich. Foot-warmer	37,194	Oct. 25	112	2084
Bonnet, Pierre, Philadelphia, Pa. Upholstery fabric	37,133	Sept. 13	112	450
Booth, William G., West Somerville, assignor to William Underwood Company, Boston, Mass. Box	36,785	Feb. 9	108	1576
Bosch, Arthur W., East Orange, N. J., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,013	June 28	110	2499
Bosch, Arthur W., East Orange, N. J., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,028	July 5	111	232
Bosch, Arthur W., East Orange, N. J., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,029	July 5	111	292
Bosselman, Andrew C., New York, N. Y. Cup	36,780	Feb. 9	108	1575
Boston Automatic Bed Company. (See Ruggles, Horatio B., assignor.)				
Bower, Emma E., Ann Arbor, Mich. Badge	37,117	Sept. 6	112	239
Bradford, James E., West Durham, N. C. Monument	37,086	Aug. 9	111	1616
Bradley, Will H., Concord, Mass., and M. F. Benton, New York, N. Y., assignors to American Type Founders' Company, Jersey City, N. J. Font of type ornaments	37,072	Aug. 9	111	1614
Brainard, Ellerson L., Danbury, Conn. Standard for lights, clocks, or similar articles	36,751	Jan. 26	108	1040
Brainard, Ellerson L., Danbury, Conn. Jewel-casket or similar article	36,933	Mar. 8	109	539
Brainard, Ellerson L., assignor to Brainard & Wilson Company, Danbury, Conn. Jewel-casket or similar article	37,238	Nov. 22	113	1134
Brainard & Wilson Company. (See Brainard, Ellerson L., assignor.)				
Briarton, Walter, Highbridge, and W. Gaston, Plainfield, N. J. Safe or vault body	36,919	May 17	110	849
Bristol Manufacturing Company. (See Keller, Sidney A., assignor.)				
Broadbent, Felipe A., Baltimore, Md. Mantel	36,851	Mar. 15	109	797
Broadbent, Felipe A., Baltimore, Md. Mantel	36,983	June 14	110	2005
Broadbent, Felipe A., Baltimore, Md. Mantel	36,984	June 14	110	2005
Bromley & Sons, John. (See Bennett, Ernest H., assignor.)				
Bromley & Sons, John. (See Petzold, Adolph, assignor.)				
Brooks, Wilson, Chicago, Ill. Grave marker or head-piece	36,862	Mar. 29	109	1330
Brown, Louis H., assignor to M. J. Whittall, Worcester, Mass. Carpet	36,735	Jan. 12	108	501
Brunswick-Balke-Collender Company. (See Ehrenpreis, John, assignor.)				
Buchanan, Andrew B., Peekskill, N. Y. Oil-cloth	37,051	July 19	111	737
Buchanan, Andrew B., Peekskill, N. Y. Oil-cloth	37,052	July 19	111	737
Buchanan, Andrew B., Peekskill, N. Y. Oil-cloth	37,053	July 19	111	798
Buchanan, Andrew B., Peekskill, N. Y. Oil-cloth	37,054	July 19	111	798
Buckstaff, John A., Lincoln, Neb. Hip-strap drop	37,110	Aug. 30	111	2482
Burton, Raymond A., et al. (See Kronburger, Stephen, assignor.)				
Bush, Edwin J., New York, N. Y. Doll-holder	37,042	July 12	111	570
Bustanoby, André, New York, N. Y. Bottle	36,764	Feb. 2	108	1317
Caille Bros. Co. (See Reid, Charles R., assignor.)				
Caley, Charles J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Key	36,740	Jan. 19	108	786
Caley, Charles J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Key				
Carlson, Axel W., Ely, Minn. Hair-pin	36,741	Jan. 19	108	786
Carroll, James A., Camden, N. J. Rug	36,937	May 31	110	1417
Carroll, James A., Camden, N. J. Rug	36,941	May 31	110	1418
Carroll, James A., Camden, N. J. Rug	36,942	May 31	110	1418
Carroll, James A., Camden, N. J. Rug	36,961	June 7	110	1714
Carroll, James A., Camden, N. J. Rug	37,122	Sept. 6	112	240
Carroll, James A., Camden, N. J. Rug	37,123	Sept. 6	112	241
Carroll, James A., Camden, N. J. Rug	37,124	Sept. 6	112	241
Cassad, Curtis S., Shelton, Colo. Picture-frame	37,075	Aug. 9	111	1614
Catty, James W., New York, N. Y. Doily or similar article	36,997	June 21	110	2223
Charles Boldt Glass Company. (See Schilling, Frank, assignor.)				
Chase, Walter W., Providence, R. I. Charm or similar article	36,739	Feb. 16	108	1859
Ciner, Emanuel, New York, N. Y. Ring or similar article	37,200	Nov. 1	113	270
Clark, Orlando, Germantown, Pa. Advertising-calendar and postal-card holder	37,120	Sept. 6	112	240
Cleveland Foundry Company. (See Drury, Carl F., assignor.)				
Clulue, John, Wallingford, assignor to International Silver Company, Meriden, Conn. Handle for spoons, forks, or similar articles	36,834	Mar. 8	109	539
Cochrane, John, Malden, assignor to Cochrane Manufacturing Company, Dedham, Mass. Decorative fabric	36,939	May 31	110	1417
Cochrane, John, Malden, assignor to Cochrane Manufacturing Company, Dedham, Mass. Decorative fabric	36,940	May 31	110	1418
Cochrane Manufacturing Company. (See Cochrane, John, assignor.)				
Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles	36,889	Apr. 26	109	2431
Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles	37,006	June 28	110	2498
Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles	37,190	Oct. 25	112	2084
Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles	37,239	Nov. 22	113	1134

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Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or similar article	37,240	Nov. 22	113	1134
Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Letter-scale base	37,253	Dec. 6	113	1695
Coke, George M., assignor to Fuller-Warren Company, Milwaukee, Wis. Stove	37,274	Dec. 20	113	2203
Colgate, Sidney M., Orange, N. J. Toilet-powder receptacle	37,210	Nov. 8	113	538
Collins, Henry H., Jr., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa. Card-mount	37,087	Aug. 16	111	1924
Conklin, Edward D., assignor to Whitehead & Hoag Company, Newark, N. J. Paper-weight	36,904	May 3	110	296
Coöperative Foundry Company. (See Kennedy and King, assignors.)				
Cope, George W., and W. L. Bertram, Detroit, Mich., assignors to H. Wetter Manufacturing Company, Memphis, Tenn. Stove	36,912	May 10	110	590
Cope, George W., and W. L. Bertram, Detroit, Mich., assignors to Economy Stove & Manufacturing Company, Cleveland, Ohio. Stove	37,130	Sept. 13	112	489
Court, Charles S. (See Cries and Court.)				
Crane Company. (See Lloyd, William H., assignor.)				
Crane, William M., New York, N. Y., assignor to William M. Crane Company. Gas-stove	37,114	Aug. 30	111	2483
Crees, Eustace, and C. S. Court, Providence, R. I., assignors to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,826	Mar. 1	109	267
Crees, Eustace, and C. S. Court, Providence, R. I., assignors to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,827	Mar. 1	109	267
Crees, Eustace, and C. S. Court, Providence, R. I., assignors to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,828	Mar. 1	109	267
Crees, Eustace, and C. S. Court, Providence, R. I., assignors to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,901	May 3	110	296
Curtis, Henry H. (See Hobson, John H., assignor.)				
D'Olier, Henry, Jr., Philadelphia, Pa. Electric-lamp shade	37,246	Nov. 22	113	1136
Dale, Charles J., Plattsburg, N. Y. Souvenir-spoon	36,753	Feb. 2	108	1312
Dane, Harry S., San Francisco, Cal. Finger-ring	36,747	Jan. 26	108	1039
Darche, Augusta Y., Chicago, Ill. Stand for electric alarm-clocks	37,091	Aug. 16	111	1925
Davidson, Payson, St. Louis, Mo. Badge	37,030	July 12	111	568
Davis, Clemons H., Cincinnati, Ohio. Vehicle-seat	36,985	June 14	110	2066
Davis, William M., Washington, D. C. Souvenir-spoon	37,058	Aug. 2	111	1383
Dawes, John L., Pittsburg, Pa. Sign-frame	36,818	Feb. 23	108	2137
Denny, Emily I., Seattle, Wash. Arabesque pattern	37,264	Dec. 13	113	1960
Deuble, Walter H., Canton, Ohio. Cup	36,909	May 10	110	591
Dieterich, Frederick W., Jersey City, N. J. Plaque	36,902	May 3	110	296
Dietrich, William J., assignor to American Can Company, New York, N. Y. Advertising-label	37,260	Dec. 13	113	1959
Dietrich, William J., assignor to American Can Company, New York, N. Y. Advertising-label	37,261	Dec. 13	113	1959
Dietrich, William J., assignor to American Can Company, New York, N. Y. Advertising-label	37,262	Dec. 13	113	1959
Dover, George W., Cranston, R. I., assignor to George W. Dover Company. Buckle-plate or similar article	36,925	May 24	110	1157
Doyle, Bernard W., assignor to Sterling Comb Company, Leominster, Mass. Pompadour-puff comb	36,727	Jan. 5	108	279
Doyle, Bernard W., assignor to Sterling Comb Company, Leominster, Mass. Pompadour-puff comb	36,742	Jan. 19	108	787
Drury, Carl F., assignor to Cleveland Foundry Company, Cleveland, Ohio. Window-setting for stoves	37,092	Aug. 16	111	1925
Dryden, Eli E., Grand Rapids, Mich., assignor to National Sweeper Company, Marion, Ind. Casing and handle for carpet-sweepers	37,174	Oct. 11	112	1466
Dryden, Eli E., Grand Rapids, Mich., assignor to National Sweeper Company, Marion, Ind. Casing and handle for carpet-sweepers	37,175	Oct. 11	112	1466
Dryden, Eli E., Grand Rapids, Mich., assignor to National Sweeper Company, Marion, Ind. Casing and handle for carpet-sweepers	37,176	Oct. 11	112	1466
Duncan and Miller Glass Company. (See Miller, John E., assignor.)				
Dyer, John, assignor to G. M. Edison, Grand Rapids, Mich. Coat and hat rack	37,129	Sept. 13	112	489
Dyson, George H., New Britain, Conn. Handle for spoons, forks, or similar articles	36,927	May 24	110	1157
E. Faber Pencil Co. (See Schmitz, Egon L., assignor.)				
E. R. Thomas Motor Company. (See Thomas and Koen, assignors.)				
E. H. Smith Silver Company. (See Itzig, George P., assignor.)				
Eastwood-Park Company. (See Turtton, Walter, assignor.)				
Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel	37,033	July 12	111	568
Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel	37,034	July 12	111	568
Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel	37,035	July 12	111	569
Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel	37,036	July 12	111	569
Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel	37,037	July 12	111	569
Economy Stove & Manufacturing Company. (See Cope and Bertram, assignors.)				
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,753	Jan. 26	108	1040
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,754	Jan. 26	108	1040
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,755	Jan. 26	108	1041
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,756	Jan. 26	108	1041
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,808	Feb. 16	108	1861
Edelmann, Frederick, Weehawken, N. J., assignor to Kursheedt Manufacturing Company, New York, N. Y. Collar	36,809	Feb. 16	108	1861
Edison, George M. (See Dyer, John, assignor.)				
Edwards, George C., assignor to International Silver Company, Bridgeport, Conn. Handle for forks, spoons, or similar articles	37,023	July 5	111	291
Eggers, Anton C., assignor to Goodyears India Rubber Glove Mfg. Co., New York, N. Y. Watering-machine	37,227	Nov. 15	113	839
Elhman, August A., Covington, Ky. Grave-guard	37,151	Sept. 20	112	719
Ehrenpreiser, John, assignor to Brunswick-Balke-Collender Company, Chicago, Ill. Drinking counter, or bar proper, for bar-fixtures	36,731	Jan. 12	108	550
Electric Vehicle Company. (See Sammis, Daniel P., assignor.)				
Elk Manufacturing and Vending Company. (See Nichols, Frank L., assignor.)				
Englewood, Patrick H., Bristol, Conn. Badge	36,758	Jan. 26	108	1041
Evans, Richard G., assignor to H. J. Heinz Co., Pittsburg, Pa. Bottle	37,226	Nov. 15	113	838
Excelsior Stove & Mfg. Co. (See Frey and Ohnemus, assignors.)				
Fahys Watch Case Company. (See Habensack, Frederick, assignor.)				
Falcon Rubber Company. (See Martin, Dennis B., assignor.)				
Fane, Frank C., Colorado Springs, Colo. Badge	36,886	Apr. 26	109	2431
Farnham, Paulding, New York, N. Y. Handle for spoons, forks, or similar articles	36,916	June 7	110	1710

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Farnham, Paulding, New York, N. Y. Handle for spoons, forks, or similar articles.....	36,947	June 7	110	1710
Farnham, Paulding, New York, N. Y. Handle for spoons, forks, or similar articles.....	36,948	June 7	110	1711
Farnham, Paulding, Greatneck, N. Y. Handle for spoons, forks, or similar articles.....	37,118	Sept. 6	112	239
Fenn, William B., Washington, Pa. Cruet.....	36,876	Apr. 12	109	1877
Ficken, Paul H., Cleveland, Ohio. Stove.....	36,883	Apr. 19	109	2158
Fishel, Henry W., assignor to himself and T. H. Fishel, New York, N. Y. Clasp-pin.....	37,055	July 26	111	1029
Fishel, Theodore H. (See Fishel, Henry W., assignor.)				
Fisher, Robert E., assignor to Smith Brothers, Providence, R. I. Charm or similar article.....	36,723	Jan. 5	108	278
Flax, Charles, New York, N. Y. Member for bag-frames.....	37,011	June 28	110	2499
Forster, Thomas V., Hackensack, N. J. Hose-rack member.....	37,049	July 19	111	797
Fortier, Jean G. A., St. Paul, Minn. Front for playing-cards.....	36,964	June 10	110	2001
Fostoria Glass Company. (See Ebeling Phillip, assignor.)				
Frankel, Harry, New York, N. Y. Hat-rest.....	37,271	Dec. 20	113	2202
Freund, Zdenko, Newark, N. J., assignor to Kerr and Thiery, of New Jersey and New York, N. Y. Back for hand-mirrors or similar articles.....	36,871	Apr. 12	109	1876
Frey, Frank J., and A. Ohnemus, assignors to Excelsior Stove & Mfg. Co., Quincy, Ill. Stove.....	37,050	July 19	111	797
Frey, John S., New York, N. Y. Wheel-knob for oil-heaters.....	37,159	Oct. 4	112	1205
Friedberger Manufacturing Company. (See Kerwin and McGinley, assignors.)				
Fritzsche, Albert C., assignor to H. M. Rosenblatt, Philadelphia, Pa. Leather rope for bag-handles.....	36,789	Feb. 9	108	1577
Fuller-Warren Company. (See Coke, George M., assignor.)				
Gaston, Walter. (See Brinton and Gaston.)				
Gaut, Sidney C., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type.....	37,154	Sept. 27	112	948
Gay, Charles, New Haven, Conn. Chaplet or shrine of the holy rosary.....	37,150	Sept. 20	112	719
Gent, Adolf, assignor to W. Schimper & Company, Hoboken, N. J. Tooth-brush holder.....	37,173	Oct. 11	112	1465
George W., Dover Company. (See Dover, George W., assignor.)				
Getz, Herman, St. Louis, Mo. Badge.....	37,020	July 5	111	290
Gilbert, David M., New York, N. Y. Hood for incandescent electric lamps.....	37,178	Oct. 11	112	1466
Gillespie, George L., Washington, D. C. Badge.....	37,236	Nov. 22	113	1134
Gillies, George M., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug.....	36,999	June 21	110	2224
Gillies, George M., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug.....	37,000	June 21	110	2224
Gillies, George M., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug.....	37,001	June 21	110	2224
Gillies, John A., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug.....	37,002	June 21	110	2225
Gillies, John A., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug.....	37,014	June 25	110	2499
Gleason, Marshall W., New York, N. Y. Glass shade.....	36,867	Apr. 5	109	1597
Gleason, Marshall W., New York, N. Y. Glass globe.....	36,868	Apr. 5	109	1597
Goetze, Emil, Wallingford, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles.....	37,088	Aug. 16	111	1024
Goldsmith, Marcus T. (See Keller, Sidney A., assignor.)				
Goodyears India Rubber Glove Mfg. Co. (See Eggers, Anton C., assignor.)				
Gorham Manufacturing Company. (See Codman, William C., assignor.)				
Gough, C. H. (See Van Dersal, Samuel I., assignor.)				
Gowran, Harry C., Two Rivers, Wis. Cabinet.....	37,250	Nov. 29	113	1407
Grazzini, Virgil, New York, N. Y. Picture-frame.....	36,924	May 24	110	1156
Gregg, Edgar F., Thornburg, assignor to Standard Sanitary Manufacturing Co., Pittsburg, Pa. Kitchen-sink.....	36,995	June 21	110	2223
Grell, Frederick W., assignor to American Hard Rubber Company, New York, N. Y. Comb.....	36,824	Feb. 23	108	2133
Grell, Frederick W., assignor to American Hard Rubber Company, New York, N. Y. Comb.....	37,000	Aug. 16	111	1924
Griswold, Frederick H., Springfield, Mass. Culinary vessel.....	37,205	Nov. 1	113	271
Grose, William C., assignor, by mesne assignments, to Simmons Manufacturing Company, Kenosha, Wis. Bed-spring.....	37,182	Oct. 11	112	1467
Grossbach, August H., West Hoboken, N. J., assignor to Grossenbach & Butler, New York, N. Y. Brush.....	37,265	Dec. 13	113	1960
Grossenbach & Butler. (See Grossenbach, August H., assignor.)				
H. Adler Company. (See Adler, Emanuel B., assignor.)				
H. Wetter Manufacturing Company. (See Cope and Bertram, assignors.)				
H. H. Franklin Manufacturing Company. (See Wilkinson, John, assignor.)				
Haas, Frank A., New York, N. Y., assignor to M. J. Whittall, Worcester, Mass. Carpet.....	36,733	Jan. 12	108	550
Haas, Frank A., New York, N. Y., assignor to M. J. Whittall, Worcester, Mass. Carpet.....	36,734	Jan. 12	108	550
Haas, Frank A., New York, N. Y., assignor to M. J. Whittall, Worcester, Mass. Carpet.....	37,276	Dec. 20	113	2303
Habensack, Frederick, Sag Harbor, assignor to Fahys Watch Case Company, New York, N. Y. Handle for spoons, forks, or similar articles.....	37,056	July 26	111	1029
Hahn, Max F., assignor to Anheuser-Busch Brewing Association, St. Louis, Mo. Decalcomania-transfer.....	37,074	Aug. 9	111	1614
Hama, Jean, New York, N. Y. Watch-chain.....	36,825	Mar. 1	109	266
Harding, Margaret M., Monrovia, Cal. Portiere.....	37,185	Oct. 11	112	1468
Hartford Carpet Corporation. (See Hunt, Henry H., assignor.)				
Hartford Carpet Corporation. (See Romieu, Charles F., assignor.)				
Hartford Carpet Corporation. (See Savers, William E., assignor.)				
Hartman, Charles A., Denver, Colo. Picture-frame mat.....	36,846	Mar. 8	109	541
Hathaway, Albert E., assignor to R. Blackinton & Co., North Attleboro, Mass. Handle for nail-files, paper-knives, or similar articles.....	37,207	Nov. 8	113	537
Hathaway, Albert E., assignor to R. Blackinton & Co., North Attleboro, Mass. Back for mirrors.....	37,208	Nov. 8	113	538
Hathaway, Albert E., assignor to R. Blackinton & Co., North Attleboro, Mass. Back for brushes.....	37,209	Nov. 8	113	538
Hauser, Leopold, New York, N. Y. Waist-belt.....	36,979	June 14	110	2004
Hauser, Leopold, New York, N. Y. Waist-belt.....	36,996	June 21	110	2223
Haviland, Charles E., Limoges, France. Plate or similar article.....	37,095	Aug. 23	111	2212
Haviland, Charles E., Limoges, France. Bowl or similar article.....	37,096	Aug. 23	111	2210
Haviland, Charles E., Limoges, France. Jug, pitcher, or similar article.....	37,098	Aug. 23	111	2211
Haviland, Charles E., Limoges, France. Pitcher or similar article.....	37,099	Aug. 23	111	2211
Haviland, Charles E., Limoges, France. Pitcher or similar article.....	37,100	Aug. 23	111	2211
Haviland, Charles E., Limoges, France. Dish or similar article.....	37,101	Aug. 23	111	2211
Haviland, Charles E., Limoges, France. Dish or similar article.....	37,102	Aug. 23	111	2212
Haviland, Charles E., Limoges, France. Plate, tray, or similar article.....	37,103	Aug. 23	111	2212
Hawkins, James, Philadelphia, Pa. Fishbone-tongs.....	36,857	Mar. 22	109	1061
Heath, Thomas, and C. H. Such, Providence, R. I., assignors to R. Blackinton & Co., North Attleboro, Mass. Handle for spoons, forks, or similar articles.....	36,932	May 31	110	1416
Heinbockel, Richard D. (See Paulson and Heinbockel.)				
Heinz Co., H. J. (See Evans, Richard G., assignor.)				
Heisch, Henry G., assignor to one-half to E. Wüstner, Philadelphia, Pa. Vending-machine casing.....	37,177	Oct. 11	112	1466
Heisey, Augustus H., assignor to A. H. Heisey & Co., Inc., Newark, Ohio. Candlestick.....	37,213	Nov. 8	113	539
Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)				
Helbig, Walther, assignor to Kirscheidt Manufacturing Company, New York, N. Y. Collar.....	36,807	Feb. 16	108	1861
Helmer, William, Boston, Mass. Cream-whipper bowl and cover.....	36,957	June 7	110	1713
Helmshchmed, Carl V., Meriden, Conn. Top for pepper or salt bottles.....	37,243	Nov. 22	113	1135

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Henson, John W., New York, N. Y. Fabric	36,791	Feb. 9	108	1578
Hepner, Adolf, St. Louis, Mo. Asparagus-holder	37,112	Aug. 30	111	2483
Hereshoff, Charles F., 2nd, New York, N. Y. Power-boat	37,252	Nov. 29	113	1408
Hill, Edward, assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,015	June 28	110	2450
Hilbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Back for mirrors, brushes, or similar articles	37,163	Oct. 11	112	1464
Hilbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles	37,164	Oct. 11	112	1464
Hilbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Back for mirrors, brushes, or similar articles	37,221	Nov. 15	113	857
Hilbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles	37,267	Dec. 20	113	2202
Hinderer, Friedrich, New Orleans, La. Hanging flower-pot	36,800	Feb. 16	108	1850
Hinderer, Friedrich, New Orleans, La. Renaissance flower-box	36,801	Feb. 16	108	1860
Huffer, Friedrich, New Orleans, La. Cross	36,812	Feb. 23	108	2151
Hobbs, Willis F., Bridgeport, Conn. Shear	37,242	Nov. 22	113	1135
Hobson, John H., assignor to H. H. Curtis, North Attleboro, Mass. Handle for spoons, forks, or similar articles	36,759	Jan. 26	108	1041
Hohner, Hans, Trossingen, Germany. Mouth-harmonica	36,748	Jan. 26	108	1039
Holmes, Allen W. and H. C., assignors to Wilcox, Crittenden and Company, Middletown, Conn. Steering-wheel	36,958	June 7	110	1713
Holmes, Hiram C. (See Holmes, Allen W. and H. C.)				
Homan Silver Plate Company. (See Leavenworth, Seth H., assignor.)				
Homer, George E., Boston, Mass. Plate or plaque or similar article	37,169	Oct. 11	112	1495
Homer, George E., Boston, Mass. Match-safe or similar article	37,187	Oct. 18	112	1738
Homer, George E., Boston, Mass. Spoon or similar article	37,201	Nov. 1	113	271
Hopton, Lemuel R., assignor to Oxley Enos Company, New York, N. Y. Globe-support for incandescent-lighting apparatus	36,743	Jan. 19	108	787
Hostachy, Gabriel, Plainfield, N. J. Glove	36,790	Feb. 9	108	1577
Howard, William H., Chicago, Ill. Writing-desk	37,080	Aug. 9	111	1613
Huffer, John M., Kansas City, Mo. Smoker's set	36,903	May 3	110	296
Huld, Franz, New York, N. Y. Souvenir-card or similar article	36,762	Feb. 2	108	1316
Humphrey, Alfred H., Kalamazoo, Mich. Base for gas-lamps	36,860	Mar. 29	109	1320
Humphrey, Alfred H., Kalamazoo, Mich. Gas-lamp	36,861	Mar. 29	109	1330
Humphrey, Alfred H., Kalamazoo, Mich. Lamp	36,973	June 14	110	2063
Humphrey, Alfred H., Kalamazoo, Mich. Lamp	36,974	June 14	110	2063
Humphrey, Alfred H., Kalamazoo, Mich. Lamp	36,975	June 14	110	2063
Humphrey, Alfred H., Kalamazoo, Mich. Lamp	36,976	June 14	110	2063
Hundorf, Frank, Covington, Ky. Fountain-aquarium	37,181	Oct. 11	112	1467
Hunt, Henry H., Jersey City, N. J., assignor to Hartford Carpet Corporation. Carpet	37,106	Aug. 30	111	2482
Hunt, Ozeilo R., assignor to Simmons Manufacturing Company, Kenosha, Wis. Wire fabric	36,745	Jan. 19	108	787
Hunter, Thomas P., Philadelphia, Pa. Trading-stamp	36,921	May 24	110	1156
Huss, William C., Cincinnati, Ohio. Bar-fixture	37,272	Dec. 20	113	2203
International Silver Co. (See Goetze, Emil, assignor.)				
International Silver Co. (See Kintz, Robert, assignor.)				
International Silver Co. (See Stohr, Samuel, assignor.)				
International Silver Company. (See Berry, George H., assignor.)				
International Silver Company. (See Clulee, John, assignor.)				
International Silver Company. (See Edwards, George C., assignor.)				
International Silver Company. (See Smith, Sidney, assignor.)				
Isaac, Solomon, New York, N. Y. Tumbler	37,044	July 12	111	570
Ittig, George P., assignor to E. H. H. Smith Silver Company, Bridgeport, Conn. Handle for spoons, forks, or similar articles	36,890	Apr. 26	109	2432
Ittig, George P., assignor to E. H. H. Smith Silver Company, Bridgeport, Conn. Handle for spoons, forks, or similar articles	36,891	Apr. 26	109	2432
J. E. Caldwell and Company. (See Thomas, James F., assignor.)				
Jacobi, Leopold, St. Louis, Mo., assignor to National Cash Register Company, Jersey City, N. J. Cash-register cabinet or casing	36,767	Feb. 2	108	1317
James E. Blake Company. (See Blake, William H., assignor.)				
Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles	37,167	Oct. 11	112	1464
Jennings, Charles L., Leander, Tex. Badge	37,125	Sept. 13	112	498
Jennings, Walter T., et al. (See Kronburger, Stephen, assignor.)				
Johnson, Robert L., Hanley, England. Cover-dish	36,765	Feb. 2	108	1317
Johnson, William H., Revere, Mass. Button-piece for suspenders	36,797	Feb. 16	108	1850
Jones, James A., Deepriver, Conn. Glass vessel or similar article	36,910	May 10	110	591
Keith, William H. (See Lankford and Keith.)				
Keller, Sidney A., New York, N. Y. Back for hand-mirrors or similar articles	37,119	Sept. 6	112	240
Keller, Sidney A., New York, N. Y. Handle for paper-cutters or similar articles	37,127	Sept. 13	112	498
Keller, Sidney A., New York, N. Y. Handle for button-hooks or similar articles	37,128	Sept. 13	112	498
Keller, Sidney A., New York, N. Y., assignor to Bristol Manufacturing Company. Brooch, button, or buckle-plate, or similar article	36,757	Jan. 26	108	1041
Keller, Sidney A., assignor to M. T. Goldsmith, New York, N. Y. Handle for mirrors, brushes, or like toilet articles	36,929	May 24	110	1157
Keller, Sidney A., assignor to M. T. Goldsmith, New York, N. Y. Handle for mirrors, brushes, or like toilet articles	36,930	May 24	110	1158
Keller, Sidney A., assignor to M. T. Goldsmith, New York, N. Y. Handle for mirrors, brushes, or like toilet articles	36,950	June 7	110	1711
Keller, Sidney A., New York, N. Y., assignor to Woodside Sterling Company, Newark, N. J. Back for hand-mirrors or similar articles	36,988	June 21	110	2222
Keller, Sidney A., New York, N. Y., assignor to Woodside Sterling Company, Newark, N. J. Handle for nail-files or similar articles	36,989	June 21	110	2222
Keller, Sidney A., New York, N. Y., assignor to Webster Company, North Attleboro, Mass. Back for hand-mirrors or similar articles	37,048	July 19	111	797
Keller, Sidney A., New York, N. Y., assignor to R. Blackinton & Co., North Attleboro, Mass. Match-box or similar article	37,212	Nov. 8	113	598
Kellogg, John H., Battlecreek, Mich. Chair	36,771	Feb. 2	108	1319
Kelly, Thomas, Chicago, Ill. Lavatory	37,270	Dec. 20	113	2202
Kemp, John W., Philadelphia, Pa., assignor to Pantasote Leather Company, Passaic, N. J. Textile fabric	37,217	Nov. 8	113	539
Kemp, John W., Philadelphia, Pa., assignor to Pantasote Leather Company, Passaic, N. J. Textile fabric	37,218	Nov. 8	113	539
Kennall, David W., Grand Rapids, Mich. Chair	36,870	Apr. 5	109	1598
Kennedy, Thomas R., and E. J. King, assignors to Coöperative Foundry Company, Rochester, N. Y. Stove	37,083	Aug. 9	111	1616
Kennedy, Thomas R., and E. J. King, assignors to Coöperative Foundry Company, Rochester, N. Y. Stove	37,084	Aug. 9	111	1616

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Kerwin, Thomas, and J. McGinley, assignors to Friedberger Manufacturing Company, Philadelphia, Pa. Trimming for ladies' underwear	36,895	Apr. 26	109	2432
Kerwin, Thomas, and J. McGinley, assignors to Friedberger Manufacturing Company, Philadelphia, Pa. Trimming for ladies' underwear	36,908	May 3	110	297
Keystone Type Foundry. (See Mason, Gibbs, assignor.)				
Keystone Type Foundry. (See Weatherly, Sidney M., assignor.)				
Kimball, Ingalls, assignor to American Type Founders Company, New York, N. Y. Font of type.	36,905	May 3	110	297
King, Edward J. (See Kennedy and King.)				
Knutz, Robert, assignor to International Silver Co., Meriden, Conn. Border for vessels or similar articles	37,073	Aug. 9	111	1614
Kirkham, Richard N. B., Westfield, Ill. Badge	37,021	July 5	111	290
Kirshner, Nathaniel M., Buffalo, N. Y. Badge	36,887	Apr. 26	109	2431
Klau, Nathan, New York, N. Y. Oil-cloth	37,233	Nov. 15	113	840
Knighton, Lella W., Portland, Oreg. Toy banner	36,765	Feb. 2	108	1317
Knorr, Frederick J., and A. S. Kuhn, Bloomington, Ill. Spoon	36,779	Feb. 9	108	1575
Kochs, Theodore A., assignor to Theo. A. Kochs Company, Chicago, Ill. Body portion for chairs	37,228	Nov. 15	113	839
Koen, James R. (See Thomas and Koen.)				
Kolb, Gustave F., Mount Vernon, N. Y. Cup	36,915	May 17	110	849
Kopp, Nicholas, Swissvale, assignor to Pittsburgh Lamp, Brass and Glass Company, Pittsburgh, Pa. Glass vessel	37,255	Dec. 6	113	1696
Krause, Otto, New York, N. Y. Liquid-container	36,750	Jan. 26	108	1040
Kronburger, Stephen, Hoboken, N. J., assignor to R. A. Burton, F. J. Meerlender, and W. T. Jennings. Head for belt-pins or similar articles	36,945	June 7	110	1710
Kuhn, Alice S. (See Knorr and Kuhn.)				
Kunstader Brothers. (See Robin, Joseph T., assignor.)				
Kursheedt Manufacturing Company. (See Edelmann, Frederick, assignor.)				
Kursheedt Manufacturing Company. (See Helbig, Walther, assignor.)				
Kursheedt Manufacturing Company. (See Waltzfelder, Albert S., assignor.)				
La Pierre, Frank H., New York, N. Y. Dish	37,237	Nov. 22	113	1134
Lang, Henry L., Staunton, Va. Badge or similar article				
Lankford, George W., Springfield, Mo., and W. H. Keith, Ottawa, Kans.; said Lankford assignor to said Keith. Dolly or similar article	36,823	Feb. 23	108	2133
Large, Samuel J., assignor to American Silver Company, Bristol, Conn. Handle for spoons or similar articles	36,737	Jan. 19	108	786
Large, Samuel J., assignor to American Silver Company, Bristol, Conn. Handle for spoons or similar articles	36,835	Mar. 8	109	539
Law, Frank W., Pittsburgh, Pa. Heating-stove	36,819	Feb. 23	108	2132
Leaveyworth, Seth H., assignor to Homan Silver Plate Company, Cincinnati, Ohio. Mounting for metal dishes	36,859	Mar. 29	109	1330
Lederer, Joseph, New York, N. Y. Gas-burner	37,233	Dec. 13	113	1693
Levi, Joseph, New York, N. Y. Braid	36,863	Mar. 29	109	1330
Levy, Nathan B., Scranton, Pa. Watch-charm	36,724	Jan 5	108	273
Lewandowski, Henry P., New York, N. Y. Statue	37,160	Oct. 11	112	1463
Liphart, Clemer M., Richmond, Va., assignor to Atlanta Stove Works, Atlanta, Ga. Cooking range or stove	36,894	Apr. 26	109	2432
Lloyd, William H., assignor to Crane Company, Chicago, Ill. Lavatory	37,256	Dec. 6	113	1696
Lloyd, William H., assignor to Crane Company, Chicago, Ill. Bath-tub	37,257	Dec. 6	113	1696
Lowenstein, Major J., St. Louis, Mo. Blank for official-award ribbons and declarations	37,259	Dec. 13	113	1959
M. C. Lilley & Company. (See Bellisio, Peter, assignor.)				
MacMurray, James E., Chicago, Ill. Mat	37,045	July 12	111	570
Madden, Patrick J., Chicago, Ill. Bowl for water-closets	37,179	Oct. 11	112	1467
Madden, Patrick J., Chicago, Ill. Bowl for water-closets	37,180	Oct. 11	112	1467
Maddock, James, Alsager, England, assignor to Maddock & Miller. Covered dish	36,815	Feb. 23	108	2131
Maddock, James, Alsager, England, assignor to Maddock & Miller. Dish	36,816	Feb. 23	108	2132
Maddock, James, Alsager, England, assignor to Maddock & Miller. Dish	36,817	Feb. 23	108	2133
Maddock, James, Alsager, England, assignor to Maddock & Miller. Dish	36,830	Mar. 1	109	267
Maddock & Miller. (See Maddock, James, assignor.)				
Magee Furnace Company. (See Magee, John, assignor.)				
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Stove or range	37,239	Nov. 15	113	839
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Stove or range	37,239	Nov. 15	113	839
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Stove or range	37,231	Nov. 15	113	839
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Rim for plates of stoves or similar articles	37,247	Nov. 22	113	1136
Magee, John, Malden, assignor to Magee Furnace Company, Boston, Mass. Oven-plate	37,248	Nov. 22	113	1136
Mallery, James L., Grants Pass, Oreg. Badge	36,945	June 7	110	1710
Manning, Bowman & Company. (See Savage, George E., assignor.)				
Manor, Annie E., McKees Rocks, Pa. Inkstand	36,922	May 24	110	1156
Margolis, Paul, and H. Metzger, Kansas City, Mo. Spoon, fork, or similar article	37,241	Nov. 22	113	1135
Marquart, Louis, Jr., New York, N. Y. Clock-case	37,076	Aug. 9	111	1614
Martin, Dennis E., assignor to Falcon Rubber Company, New Haven, Conn. Sheet-rubber fabric	37,057	July 23	111	1029
Martindale, Robert, Indianapolis, Ind. Radiator	37,041	July 12	111	570
Mason, Gibbs, New York, N. Y., assignor to Keystone Type Foundry, Philadelphia, Pa. Font of printing-type	37,197	Oct. 25	112	2085
Maxwell, John, Oneida, N. Y. Purification-casket	36,769	Feb. 2	108	1318
McCleary, Wallin & Crouse. (See Bosch, Arthur W., assignor.)				
McCleary, Wallin & Crouse. (See Gillies, George M., assignor.)				
McCleary, Wallin & Crouse. (See Gillies, John A., assignor.)				
McCleary, Wallin & Crouse. (See Hill, Edward, assignor.)				
McCleary, Wallin & Crouse. (See Miller, Henry A., assignor.)				
McCleary, Wallin & Crouse. (See Perkins, George W., assignor.)				
McCleary, Wallin & Crouse. (See Reinhardt, William, assignor.)				
McCleary, Wallin & Crouse. (See Stevens, Rufus D., assignor.)				
McGinley, John. (See Kerwin and McGinley.)				
McLewee, William S., Yardley, Pa. Globe for gas-lights	36,869	Apr. 5	109	1598
Meerlender, Frederick J., et al. (See Kronburger, Stephen, assignor.)				
Metzger, Henry. (See Margolis and Metzger.)				
Meyers, Ernest, assignor to Reed and Barton Corporation, Taunton, Mass. Fork, spoon, or similar article	37,147	Sept. 20	112	718
Miller, Fred L., and W. A. Todd, Kalamazoo, Mich. Grave-marker	37,093	Aug. 16	111	1925
Miller, Henry A., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,003	June 21	110	2255
Miller, Henry A., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,016	June 25	110	2459
Miller, John E., assignor to Duncan and Miller Glass Company, Washington, Pa. Glass dish	37,188	Oct. 18	112	1738
Mississippi Glass Company. (See Walsh, Robert A. B., assignor.)				
Moller, Jacob A., Jr., New York, N. Y. Cup	37,168	Oct. 11	112	1464
Monument Pottery Company. (See Weelans, Charles, assignor.)				
Morgan, Llewellyn, Bath, S. D. Stick-pin	37,162	Oct. 11	112	1463

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Morlock, Louis F., St. Louis, Mo. Match-case	36,923	May 24	110	1156
Mun, James A., A. T. Tabernacle	37,007	June 28	110	2498
Myers, J. and F. B. (See Myers, Robert L., assignor.)				
Myers, Robert L., assignor to J. and P. B. Myers, New York, N. Y. Paper box	37,026	July 5	111	291
National Cash Register Company. (See Jacobi, Leopold, assignor.)				
National Cash Register Company. (See Ringold, Edwin, assignor.)				
National Sweeper Company. (See Dryden, Eli E., assignor.)				
Navo, John J., New Orleans, La. Stand for articles used in sewing	37,105	Aug. 23	111	2212
Nederland, August, Brooklyn, N. Y. Advertising-card	37,152	Sept. 27	112	948
New Haven Clock Company. (See Rhyndance, George H., assignor.)				
Nichols, Frank L., assignor to Elk Manufacturing and Vending Company, Washington, D. C. Casing for vending-machines	36,786	Feb. 9	108	1577
Nilsen, Axel W., New York, N. Y. Fencil-holder	36,906	Aug. 23	110	2397
Nostitz, Hans P., von, New York, N. Y. Braid	36,746	Jan. 19	108	787
Nostitz, Hans P., von, New York, N. Y. Braid	38,847	Mar. 8	109	541
Novelty Manufacturing Company. (See Boeck, Charles H., assignor.)				
Nuebling, Charlotte, New York, N. Y. Hat ornament	36,977	June 14	110	2004
Nuebling, Charlotte, New York, N. Y. Hat ornament	36,978	June 14	110	2004
Nuebling, Charlotte, New York, N. Y. Hat ornament	37,043	July 12	111	570
Ohio Cut Glass Company. (See Singleton, Thomas, assignor.)				
Ohnemus, Anton. (See Frey and Ohnemus.)				
Onaida Community. (See Rothlisberger, Jacob, assignor.)				
Onondaga Pottery Company. (See Pass, James, assignor.)				
Onondaga Pottery Company. (See Robineau, Adelaide A., assignor.)				
Orcutt, William D., Brookline, Mass., assignor to American Type Founders Company, New York, N. Y. Font of type	36,729	Jan. 5	108	279
Oreanus, Charles A., New Orleans, La. Monument	37,198	Oct. 25	112	2085
Otto, Horace V., Williamsport, Pa. Fence	37,004	Aug. 23	110	2210
Ouerbacher, Joseph P., Louisville, Ky. Stove	37,067	Aug. 2	111	1354
Outcault, Richard F., Flushing, assignor to E. & J. Bass, New York, N. Y. Finger-ring	37,032	July 12	111	568
Oxley Enos Company. (See Hopton, Lemuel R., assignor.)				
Pairpoint Corporation. (See Steffin, Albert, assignor.)				
Palmer, Harmon S., Washington, D. C. Artificial building-block	36,772	Feb. 2	108	1319
Palmer, Harmon S., Washington, D. C. Artificial building-block	36,804	Feb. 16	108	1860
Palmer, Harmon S., Washington, D. C. Artificial building-block	36,805	Feb. 16	108	1860
Palmer, Harmon S., Washington, D. C. Artificial building-block	36,806	Feb. 16	108	1860
Palmer, Isaac E., Middletown, Conn. Hammock-body	36,885	Apr. 19	109	2158
Palmer, Isaac E., Middletown, Conn. Hammock	36,998	June 21	110	2224
Pantastote Leather Company. (See Kemp, John W., assignor.)				
Pass, James, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dish	36,994	May 31	110	1416
Paul, James, Wellsburg, W. Va. Glass receptacle	37,268	Dec. 20	113	2202
Paul, James, Wellsburg, W. Va. Glass receptacle	37,269	Dec. 20	113	2202
Paulson, William D., and B. D. Heinbockel, Manitou, Colo. Paper weight	37,010	June 28	110	2498
Pechham, William H., Jersey City, N. J. Badge or similar article	37,069	Aug. 9	111	1613
Penfold, Charles C., Buffalo, N. Y. Buckle-plate or similar article	36,725	Jan. 5	108	278
Perkins, Freda L., Denver, Colo. Candle	36,953	June 7	110	1712
Perkins, Freda L., Denver, Colo. Candle-holder favor	36,954	June 7	110	1712
Perkins, Freda L., Denver, Colo. Shade for illuminating devices	36,955	June 7	110	1712
Perkins, Freda L., Denver, Colo. Shade for illuminating devices	37,013	June 28	110	2499
Perkins, George W., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,004	June 21	110	2235
Perry, Ira D. (See Weir and Perry.)				
Perry, William A., assignor to M. J. Whittall, Worcester, Mass. Carpet	36,736	Jan. 12	108	551
Petroskey, John H., Detroit, Mich. Check for umbrellas and canes	36,787	Feb. 9	108	1577
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	36,775	Feb. 2	108	1319
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	36,776	Feb. 2	108	1319
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	36,777	Feb. 2	108	1319
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,060	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,061	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,062	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,063	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,064	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,065	Aug. 2	111	1354
Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug	37,066	Aug. 2	111	1354
Phelps & Co., William R. (See Barrett, George H., Jr., assignor.)				
Phillips, Joseph, assignor to Sterling Glass Company, Cincinnati, Ohio. Cut-glass dish	37,071	Aug. 9	111	1613
Pickard, Wilder A., Chicago, Ill. Plate or dish	37,170	Oct. 11	112	1465
Pieszak, Anthony J., Dunkirk, N. Y. Radiator-section	37,215	Nov. 8	113	539
Pittsburgh Lamp, Brass and Glass Company. (See Kopp, Nicholas, assignor.)				
Porter, William St. Paul, Minn. Chimney-top	37,038	July 12	111	559
Porter, Willard B., Salem, Mass. Pipe	37,244	Nov. 22	113	1169
Post, Charlie A., Kansas City, Mo. Kitchen-cabinet	36,752	Jan. 26	108	1040
Powers, Henderson M., Lancaster, Pa. Snap-hook and trace-end retainer	37,039	July 12	111	569
Printz, Daniel F., Reading, Pa. Stove-door	36,732	Jan. 12	108	550
Prichard, Albert B., Rochester, N. Y. Chafing-dish stand	37,204	Nov. 1	113	271
Pryor Novelty Company. (See Snow, Arthur W., assignor.)				
R. Wallace & Sons Mfg. Co. (See Hillbom, Henrik, assignor.)				
R. Wallace & Sons Mfg. Co. (See Wallace, Henry L., assignor.)				
Reaves, Frank J., Rockford, Ill., assignor to Rockford Watch Company, Limited. Watch-wheel	36,778	Feb. 9	108	1575
Reed and Barton Corporation. (See Bennett, Charles A., assignor.)				
Reed and Barton Corporation. (See Meyers, Ernest, assignor.)				
Reid, Charles R., Springfield, Ohio, assignor to Caille Bros. Co., Detroit, Mich. Casing for coin-actuated machines	37,040	July 12	111	569
Reinhardt, William, assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,017	June 28	110	2500
Reynolds, Harry J., St. Louis, Mo. Souvenir-brick	36,962	June 14	110	2001
Rhoads, William M., Denver, Colo. Book-cover	36,850	Mar. 15	109	797
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,077	Aug. 9	111	1615
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,078	Aug. 9	111	1615
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,079	Aug. 9	111	1615
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,156	Oct. 4	112	1204
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,157	Oct. 4	112	1204
Rhyndance, George H., assignor to New Haven Clock Co., New Haven, Conn. Clock-case	37,158	Oct. 4	112	1204
Rhyndance, George H., assignor to New Haven Clock Company, New Haven, Conn. Clock-case	37,172	Oct. 11	112	1465
Rice, Louis W., New York, N. Y. Mug	36,853	Mar. 15	109	798
Rice, Louis W., New York, N. Y. Paper-knife	36,854	Mar. 15	109	798

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Rice, Louis W., New York, N. Y. Border for metallic articles	36,990	June 21	110	2222
Richman, Herman H., Mariner Harbor, assignor to L. Straus & Sons, New York, N. Y. Glass vessel	37,225	Nov. 15	113	838
Riker Motor Vehicle Co. (See Sammis, Daniel P., assignor.)				
Ringold, Edwin, Boston, Mass., assignor to National Cash Register Company, Jersey City, N. J. Cash-register cabinet or casing	36,768	Feb. 2	108	1318
Ringold, Edwin, Boston, Mass., assignor to National Cash Register Company, Jersey City, N. J. Cash-register cabinet or casing	36,831	Mar. 1	109	267
Ripley, Daniel C., assignor to United States Glass Company, Pittsburg, Pa. Glass vessel	36,956	June 7	110	1713
Roberts, Fred H., Wilmington, Mass. Candy-display tray	36,916	May 17	110	849
Robin, Joseph T., New York, N. Y., assignor to Kunststadter Brothers, Chicago, Ill. Show-case	36,991	June 21	110	2232
Robin, Joseph T., New York, N. Y., assignor to Kunststadter Brothers, Chicago, Ill. Show-case	36,992	June 21	110	2233
Robineau, Adelaide A., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dish	36,993	May 31	110	1416
Robinson, Charles W., San Diego, Cal. Dinner-plate or similar article	36,782	Feb. 9	108	1576
Rockford Watch Company. (See Reaves, Frank J., assignor.)				
Rohlfis, Charles, Buffalo, N. Y. Stand for chafing-dishes or casseroles	36,972	June 14	110	2002
Rohn, Walter S., Montclair, N. J. Back for brushes, mirrors, or similar articles	37,222	Nov. 15	113	837
Rohn, Walter S., Montclair, N. J. Back for brushes, mirrors, or similar articles	37,223	Nov. 15	113	838
Rohn, Walter S., Montclair, N. J. Back for brushes, mirrors, or similar articles	37,224	Nov. 15	113	838
Romieu, Charles F., Arlington, N. J., assignor to Hartford Carpet Corporation. Carpet	37,107	Aug. 30	111	2482
Rorex, Starling, Watonga, Okla. Terr. Badge	36,944	June 7	110	1710
Rosenblatt, Harry M. (See Fritzsche, Albert C., assignor.)				
Rothlisberger, Jacob, Niagara Falls, assignor to Oneida Community, Limited, Kenwood, N. Y. Handle for spoons, forks, or similar articles	36,892	Apr. 26	109	2432
Rothlisberger, Jacob, Niagara Falls, assignor to Oneida Community, Limited, Kenwood, N. Y. Handle for spoons, forks, or similar articles	36,893	Apr. 26	109	2432
Rothschild, Hadentel, (See Rothschild, Henry L., assignor.)				
Rothschild, Henry L., assignor to Rothschild & Hadentel, San Francisco, Cal. Match-safe or similar article	36,911	May 10	110	591
Rowley, Frederick H., assignor to Sterling Comb Company, Leominster, Mass. Pompadour-puff comb	36,728	Jan. 5	108	279
Ruchstein, Ludwig, New York, N. Y. Toy figure	37,066	Aug. 9	111	1613
Ruggies, Horatio B., Medford, assignor to Boston Automatic Bed Company, Boston, Mass. Bracket	36,770	Feb. 2	108	1318
Russell & Erwin Manufacturing Company. (See Caley, Charles J., assignor.)				
Sammis, Daniel P., Bayonne, N. J., assignor to Riker Motor Vehicle Co., New York, N. Y. Automobile-body	37,184	Oct. 11	112	1468
Sammis, Daniel P., Bayonne, assignor, by mesne assignments, to Electric Vehicle Company, Jersey City, N. J. Automobile-body	37,232	Nov. 15	113	840
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Glass bowl	37,203	Nov. 1	113	271
Sargent and Company. (See Sargent, Edward R., assignor.)				
Sargent and Company. (See Stevens, William E., assignor.)				
Sargent, Edward R., assignor to Sargent and Company, New Haven, Conn. Casket-trimming	36,959	June 7	110	1713
Savage, George E., assignor to Manning, Bowman & Company, Meriden, Conn. Leg for chafing-dish stands	37,254	Dec. 6	113	1695
Sayers, William E., New York, N. Y., assignor to Hartford Carpet Corporation. Carpet	37,108	Aug. 30	111	2482
Schicklering, Alfred, assignor to Schicklering Brothers and Company, New York, N. Y. Badge or similar article	37,109	Aug. 30	111	2482
Schicklering Brothers and Company. (See Schicklering, Alfred, assignor.)				
Schilling, Frank, assignor to Charles Boldt Glass Company, Cincinnati, Ohio. Bottle	37,171	Oct. 11	112	1465
Schimper & Company, William. (See Gent, Adolf, assignor.)				
Schmitz, Egon L., New York, N. Y., assignor to Faber Pencil Co. Lead-pencil	36,798	Feb. 16	108	1850
Schoenhut, Albert, Philadelphia, Pa. Toy figure	36,917	May 17	110	849
Schott & Gen. (See Schott, Otto, assignor.)				
Schott, Otto, assignor to Schott & Gen. Jena, Germany. Lamp-glass	37,192	Oct. 25	112	2084
Schuck, Valentine G., assignor to Suro Bros., Braid Company, New York, N. Y. Braid	37,027	July 5	111	291
Schwermer, Alexander, New York, N. Y. Collar or similar article	36,884	Apr. 19	109	2158
Seeger, Carl H., Manitowic, Wis. Dental-tool handle	36,878	Apr. 12	109	1673
Seliger, Alfred E., St. Paul, Minn. Frame for clocks, pictures, or similar articles	37,104	Aug. 23	111	2212
Selling, Albert H., assignor to Talmont Electric Engineering Company, New York, N. Y. Incandescent lamp	37,278	Dec. 27	113	2494
Sepulchre, Louis, Herstal, Belgium. Chimney-reflector for lamps	36,802	Feb. 16	108	1860
Sepulchre, Louis, Herstal, Belgium. Chimney-reflector for lamps	36,803	Feb. 16	108	1860
Siebler, George W., New York, N. Y. Handle for spoons, forks, or similar articles	36,949	June 7	110	1711
Shoyer, Daniel W., New York, N. Y. Hammock-cloth	36,792	Feb. 9	108	1578
Shoyer, Daniel W., New York, N. Y. Hammock-cloth	36,821	Feb. 23	108	2133
Shoyer, Daniel W., New York, N. Y. Hammock-cloth	37,132	Sept. 13	112	490
Sizwalt, John, and A. M. Willard, Chicago, Ill. Hand-seal-press body	37,153	Sept. 27	112	948
Sill Stove Works. (See Beattie, Herbert W., assignor.)				
Simmons Manufacturing Company. (See Grose, William C., assignor.)				
Simmons Manufacturing Company. (See Hunt, Ozzello R., assignor.)				
Simon, William F., West Hoboken, N. J. Christmas-tree ornament	37,199	Nov. 1	113	270
Simons Brother & Company. (See Weihman, Henry A., assignor.)				
Singleton, Thomas, Bowling Green, Ohio, assignor to Ohio Cut Glass Company. Cut-glass dish	36,866	Apr. 5	109	1597
Sloan, John A., Trenton, N. J. Tiling	36,920	May 17	110	850
Smith Brothers. (See Fisher, Robert E., assignor.)				
Smith & Company, H. D. (See Ward, William S., assignor.)				
Smith, Sidney, assignor to International Silver Company, Bridgeport, Conn. Handle for forks, spoons, or similar articles	37,024	July 5	111	291
Snider, Nelson R., Asher, Okla. Terr. Badge	37,155	Oct. 4	112	1204
Snow, Arthur W., assignor to Pryor Novelty Company, Newark, N. J. Back for hand-mirrors or similar articles	36,931	May 24	110	1158
Sollie, Florida, New York, N. Y. Stock	36,896	Apr. 26	109	2432
Spalone, Alfred A., New York, N. Y. Tiling	36,761	Jan. 26	108	1042
Stachowski, Kasimir, Chicago, Ill. Badge	37,189	Oct. 25	112	2083
Standard Sanitary Manufacturing Co. (See Gregg, Edgar F., assignor.)				
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Bas-relief border for metallic tableware	36,813	Feb. 23	108	2131
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Candelabrum	36,814	Feb. 23	108	2131
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Open-work border for metallic tableware	36,829	Mar. 1	109	267
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Metallic border for tableware	36,849	Mar. 15	109	797
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Candlestick	36,875	Apr. 12	109	1577
Steffin, Albert, assignor to Fairpoint Corporation, New Bedford, Mass. Coffee-pot	36,877	Apr. 12	109	1578

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Steffin, Albert, assignor to Pairpoint Corporation, New Bedford, Mass. Tea or coffee pot or similar article	37,008	June 28	110	2498
Steffin, Albert, assignor to Pairpoint Corporation, New Bedford, Mass. Tray	37,009	June 28	110	2498
Steffin, Albert, assignor to Pairpoint Corporation, New Bedford, Mass. Bread-tray	37,025	July 5	111	291
Steppe, John P. (See Sternau, Strassburger, and Steppe.)				
Sterling Comb Company. (See Doyle, Bernard W., assignor.)				
Sterling Comb Company. (See Rowley, Frederick H., assignor.)				
Sterling Glass Company. (See Phillips, Joseph, assignor.)				
Sternau & Company, S. (See Sternau, Strassburger, and Steppe, assignors.)				
Sternau, Sigmund, L. Strassburger, New York, and J. P. Steppe, Brooklyn, assignors to S. Sternau & Company, New York, N. Y. Alcohol-flagon	37,211	Nov. 8	113	538
Stevens, Rufus D., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,005	June 21	110	2325
Stevens, Rufus D., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,018	June 28	110	2500
Stevens, Rufus D., assignor to McCleary, Wallin & Crouse, Amsterdam, N. Y. Rug	37,019	June 28	110	2500
Stevens, William E., assignor to Sargent and Company, New Haven, Conn. Casket-trimming	36,960	June 7	110	1714
Stevens, William E., assignor to Sargent & Company, New Haven, Conn. Casket-trimming	36,982	June 14	110	2005
Stevens, William E., assignor to Sargent & Company, New Haven, Conn. Casket-trimming	37,131	Sept. 13	112	489
Stohr, Samuel, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles	37,059	Aug. 2	111	1853
Stohr, Samuel, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles	37,191	Oct. 25	112	2084
Straker, Herbert J., assignor to G. K. Webster, North Attleboro, Mass. Back for brushes, mirrors, or similar articles	36,760	Jan. 26	108	1042
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for souvenir spoons, forks, or similar articles	36,736	Jan. 5	108	278
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,794	Feb. 16	108	1859
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,795	Feb. 16	108	1859
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,796	Feb. 16	108	1859
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,852	Mar. 15	109	798
Taylor, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,900	May 8	110	296
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,914	May 17	110	848
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson and Newell Company. Handle for spoons, forks, or similar articles	36,928	May 24	110	1157
Straker, Joseph E., Jr., Attleboro, Mass., assignor to Watson & Newell Company. Handle for spoons, forks, or similar articles	37,070	Aug. 9	111	1613
Strassburger, Lionel. (See Sternau, Strassburger, and Steppe.)				
Straus & Sons, L. (See Richman, Herman H., assignor.)				
Strapton, Ferdinand, Yonkers, N. Y. Harmonica	37,266	Dec. 20	113	2302
Strobel, Herman C., New York, N. Y. Folding chair	37,149	Sept. 20	112	718
Such, Charles H. (See Heath and Such.)				
Sutro Bros. Braid Company. (See Schuck, Valentine G., assignor.)				
Talmon Electric Engineering Company. (See Selling, Albert H., assignor.)				
Taylor, Benjamin J., Toledo, Ohio. Stove or range	37,183	Oct. 11	112	1468
Thatcher, Charles L., Providence, R. I., assignor to W. L. Wilson & Company. Badge	37,031	July 12	111	568
Theo. A. Kochs Company. (See Kochs, Theodore A., assignor.)				
Thomas, Edwin R., and J. R. Koen, assignors to E. R. Thomas Motor Company, Buffalo, N. Y. Automobile-body	37,216	Nov. 8	113	589
Thomas, James F., assignor to E. C. Bennett and Company, Philadelphia, Pa. Badge	37,046	July 19	111	796
Tilton, George P., assignor to Towle Manufacturing Company, Newburyport, Mass. Handle for spoons, forks, or similar articles	36,879	Apr. 19	109	2157
Todd, William A. (See Miller and Todd.)				
Tonnemann, Max, Jersey City, N. J. Souvenir-plate	36,843	Mar. 8	109	540
Torrance, Francis J., Allegheny, Pa. Lavatory	36,918	May 17	110	819
Torrance, Francis J., Allegheny, and J. F. Whitehead, New Brighton, Pa. Lavatory	36,903	June 21	110	2223
Torrance, Francis J., Allegheny, and J. F. Whitehead, New Brighton, Pa. Lavatory	36,994	June 21	110	2223
Towle Manufacturing Company. (See Tilton, George P., assignor.)				
Townsend, George B., River Forest, Ill. Casing for multiple vending-machines	37,195	Oct. 25	112	2085
Tschantz, David L., Canton, Ohio. Surrey-body	37,279	Dec. 27	113	2494
Turner, Will S. (See Barber and Turner.)				
Turton, Walter, Arlington, assignor to Eastwood-Park Company, Newark, N. J. Back for mirrors, brushes, or similar articles	37,148	Sept. 20	112	718
Turton, William, Kearney, assignor to F. H. La Pierre, East Orange, N. J. Hat-pin head	36,848	Mar. 15	109	797
Turton, William, Kearney, assignor to F. H. La Pierre, East Orange, N. J. Hat-pin head	36,855	Mar. 22	109	1051
Turton, William, Kearney, assignor to F. H. La Pierre, East Orange, N. J. Hat-pin head	36,873	May 17	110	848
Ulmer, W. Edwin, Boston, Mass. Crest for dials	36,938	May 31	110	1417
United States Glass Company. (See Ripley, Daniel C., assignor.)				
Van Dersal, Samuel I., St. Paul, Minn., assignor to one-half to C. H. Gough, Kansas City, Mo. Campaign-badge	37,126	Sept. 13	112	488
Vernon, Rosa M., Gambier, Ohio. Kitchen wall-cabinet	36,744	Jan. 19	108	787
Vogt, Samuel P. (See Barbee and Vogt.)				
Waltzfelder, Albert S., assignor to Kirscheidt Manufacturing Company, New York, N. Y. Trimming	37,258	Dec. 6	113	1696
Wallace, Henry L., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles	37,165	Oct. 11	112	1464
Wallace, Henry L., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles	37,166	Oct. 11	112	1464
Wallace, Henry L., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles	37,206	Nov. 8	113	537
Walsh, Robert A. B., assignor to Mississippi Glass Company, St. Louis, Mo. Sheet-glass	37,111	Aug. 30	111	2483
Ward, William S., assignor to H. D. Smith & Company, Plantsville, Conn. Screw-driver	37,214	Nov. 8	113	539
Warner, Charles A., New York, N. Y. Clock case and support	36,784	Feb. 9	108	1576
Waters, Samuel B., Johnstown, Pa. Radiator-section	36,830	Feb. 23	108	2132
Watson and Newell Company. (See Cries and Court, assignors.)				
Watson and Newell Company. (See Straker, Joseph E., Jr., assignor.)				
Weatherly, Sidney M., assignor to Keystone Type Foundry, Philadelphia, Pa. Font of printing-type	37,196	Oct. 25	112	2085
Weber, Aaron M., New York, N. Y. Trimming	37,249	Nov. 22	113	1136
Webster Company. (See Keller, Sidney A., assignor.)				
Webster, George K. (See Straker, Herbert J., assignor.)				
Weelans, Charles, assignor to Monument Pottery Company, Trenton, N. J. Bath-tub	36,881	Apr. 19	109	2158

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Weelans, Charles, assignor to Monument Pottery Company, Trenton, N. J. Lavatory.....	36,882	Apr. 19	109	2158
Weelans, Charles, assignor to Monument Pottery Company, Trenton, N. J. Lavatory.....	36,907	May 3	110	297
Weihman, Henry A., assignor to Simons Brother & Company, Philadelphia, Pa. Back for mirrors, brushes, or similar articles.....	36,951	June 7	110	1711
Weihman, Henry A., assignor to Simons Brother & Company, Philadelphia, Pa. Back for mirrors, brushes, or similar articles.....	36,952	June 7	110	1711
Whitehead & Hoag Company. (See Cookin, Edward D., assignor.).....	36,749	Jan. 26	108	1039
Whitehead, John F. (See Torrance and Whitehead.).....				
Whittall, Matthew J. (See Brown, Louis H., assignor.).....				
Whittall, Matthew J. (See Haas, Frank A., assignor.).....				
Whittall, Matthew J. (See Perry, William A., assignor.).....				
Wilcox, Crittenden and Company. (See Holmes, Allen W. and H. C., assignors.).....				
Wilkinson, John, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Body for motor-cars.....	36,935	May 3	110	1416
Wilkinson, John, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Body for motor-cars.....	36,936	May 31	110	1417
Willard, Arthur M. (See Sigwalt and Willard.).....				
William M. Crane Company. (See Crane, William M., assignor.).....				
William Underwood Company. (See Booth, William G., assignor.).....				
Williams, Adam C., Ravenna, Ohio. Toy bank.....	36,880	Apr. 19	109	2157
Williams & Anderson. (See Anderson, Samuel, assignor.).....				
Williams & Anderson. (See Williams, Sidney, assignor.).....				
Williams, Charles W., Montclair, N. J. Wall-paper.....	37,186	Oct. 11	112	1468
Williams, Sidney, assignor to Williams & Anderson, Providence, R. I. Charm or similar article.....	36,811	Feb. 23	108	2131
Williamson, Jacob, Chicago, Ill. Plate or similar article.....	37,202	Nov. 1	113	271
Wilson & Company, William L. (See Thatcher, Charles L., assignor.).....				
Wolf, Elzy M., Mansfield, Ohio. Monument.....	36,832	Mar. 1	109	268
Woodside Sterling Company. (See Keller, Sidney A., assignor.).....				
Wüstner, Ernest. (See Heisch, Henry G., assignor.).....				
Zedler, Robert, New York, N. Y. Pillow-sham or similar article.....	36,980	June 14	110	2004

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Name, residence, and title.	No.	Date.	Official Gazette.	
			Volume.	Page.
A. Booth and Company, Chicago, Ill.; Baltimore, Md.; St. Paul, Duluth, and Minneapolis, Minn.; St. Louis, Mo.; Louisville, Ky.; Omaha, Neb.; Indianapolis, Ind., and Port Arthur, Canada. Certain named canned goods.	42,975	July 12	111	571
A. Engelhard & Sons Co., Louisville, Ky. Coffee.	41,946	Jan. 26	108	1044
A. Engelhard & Sons Co., Louisville, Ky. Coffee.	41,972	Feb. 2	108	1320
A. Engelhard & Sons Co., Louisville, Ky. Coffee.	42,032	Feb. 9	108	1381
A. Leschen & Sons Rope Company, St. Louis, Mo. Wire-rope clips	43,573	Oct. 18	112	1744
A. Schoenhub Company, Philadelphia, Pa. Toys	42,913	June 28	110	2505
A. F. MacLaren Imperial Cheese Co., Limited, Toronto, Canada. Fancy full-cream Canadian cheese	41,976	Feb. 2	108	1321
A. H. Barber & Company, Chicago, Ill. Butter and cheese	43,943	Dec. 27	113	2499
A. H. White Co., Ltd., New Orleans, La. Roofing composition	42,695	May 24	110	1163
A. J. Reach Co., Philadelphia, Pa. Leather dressing and softening compounds	42,778	June 7	110	1718
Abbey, Perley L., Kalamazoo, Mich. Stomach-tonic and remedy for indigestion, in tablet form.	43,629	Nov. 1	113	275
Abbott Alkaloidal Co., Chicago, Ill. Remedies for cure of certain named diseases	42,124	Feb. 23	108	2137
Abbott Alkaloidal Co., Chicago, Ill. Remedies for cure of certain named diseases	42,125	Feb. 23	108	2137
Abbott Alkaloidal Co., Chicago, Ill. Medicines for regulating or controlling the flow of blood	42,333	Apr. 5	109	1601
Abe, Edwin, Wapakoneta, Ohio. Cigars	42,949	July 5	111	924
Abel, John F., Bowling Green, Mo. Medicinal compound employed in the treatment of hogs	43,097	Aug. 2	111	1357
Abenheim Bros., Kobe and Yokohama, Japan; New York, N. Y., and London, England. Wheat-four	42,800	June 14	110	2007
Abraham & Straus, Brooklyn, N. Y. Corsets	42,653	May 24	110	1159
Abraham & Straus, Brooklyn, N. Y. Sewing-machines	42,927	June 28	110	2506
Abrazine Company, New York, N. Y. Certain named scouring and polishing powder for metals	42,105	Feb. 23	108	2135
Acker, Merrill & Condit Co., New York, N. Y. Canned fruits	42,022	Feb. 9	108	1580
Acker, Merrill & Condit Company, New York, N. Y. Whisky	42,718	May 31	110	1321
Acme Supply Company, Chicago, Ill. Car-vestibule diaphragms and their parts	43,501	Sept. 13	112	435
Acme Tea Co., Philadelphia, Pa. Canned vegetables and canned fruits	42,301	Mar. 29	109	1332
Acme Washing Powder Co., Shelbyville, Ind. Washing-powder	43,585	Oct. 25	112	2086
Actien Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Certain named chemical substances	43,189	Aug. 16	111	1929
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Certain named medical compounds	43,028	Nov. 1	113	275
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Dyes and chemical preparations for dyeing purposes	43,705	Nov. 15	113	842
Adams & Elting Co., Chicago, Ill. Paint and varnish remover	43,811	Dec. 6	113	1698
Adams, George T. C., London, England. Oils of eucalyptus and combinations thereof	42,854	June 21	110	2229
Adams, William E., Philadelphia, Pa. Confections, and chocolate and cocoa in all forms	41,975	Feb. 2	108	1321
Adolph Frankau & Company, Limited, London, England. Tobacco-pouches	43,501	Oct. 11	112	473
Aeolian Co., New York, N. Y. Certain named music-rolls and accessories thereto	43,431	Oct. 4	112	1205
Agosto, Andrea, Chicago, Ill. Oil-olive	43,163	Aug. 16	111	1926
Ajax Metal Company, Philadelphia, Pa. Certain named metals	43,100	Aug. 2	111	1358
Aktiebolaget D. Carnegie & Co., Göteborg, Sweden. Porter	43,808	Dec. 6	113	1698
Albee & Co., G. D., Albany, N. Y. Flavoring extracts	42,977	July 12	111	571
Albert & J. M. Anderson Mfg. Co., Boston, Mass. Circuit controllers or switches	42,926	June 28	110	2506
Alfred Andresen & Co., Minneapolis, Minn. Cake-irons	43,681	Nov. 8	113	544
Allen & Co., S. L., Philadelphia, Pa. Sleds	42,650	May 17	110	854
Allen Company, A. A., Geneva, N. Y. Cough-lozenges	43,359	Sept. 13	112	495
Allen, Samuel L., Philadelphia, Pa. Sleds	42,082	Feb. 16	108	1866
Allison, James E., Chambersburg, Pa. Ointment	41,966	Feb. 2	108	1322
Allison & Lamson, New York, N. Y. Rouge	42,920	June 28	110	2505
Allshouse Manufacturing Co., Cockeysville, Md. Polishing compositions for coating stoves and leather	42,887	June 21	110	2229
Almy, Frederick, New York, N. Y. Woolen piece goods	41,303	Jan. 5	108	820
Alphi Manufacturing Company, New York, N. Y. Face-cream	42,039	Feb. 9	108	1582
Alphi Company, Kingston, N. Y. Medicine for cure of certain named diseases	42,243	Mar. 15	109	801
Alsborg, Moritz & Co., New York, N. Y. Boys' and children's suits and overgarments	43,461	Oct. 11	112	1469
Alter & McCaffrey Co., Cincinnati, Ohio. Leather boots and shoes	42,288	Mar. 29	109	1331
Aluminum Cooking Utensil Company, Pittsburg, Pa. Cooking utensils made of aluminum and aluminum alloys	42,501	Apr. 26	109	2436
American Axe & Tool Co., Glassport, Pa., and New York, N. Y. Axes and hatchets	42,649	May 17	110	854
American Broom Company, St. Paul, Minn. Brooms	43,322	Sept. 6	112	246
American Candy Company, Milwaukee, Wis. Chocolates	43,695	Nov. 15	113	841
American Crude Rubber Company, Colorado Springs, Colo. Crude rubber-like gum	42,314	June 14	110	2009
American Drug Co., Birmingham, Ala. Remedies for certain named diseases	42,805	June 28	110	2503
American Felt Company, New York, N. Y. Wire for stringed musical instruments	42,675	May 24	110	1161
American Felt Company, New York, N. Y. Steel wire	43,343	Sept. 13	112	494
American Fruit Product Co., Rochester, N. Y. Cider	42,887	June 28	110	2502
American Glue Company, Boston, Mass. Glue for use in ice-cream and similar confections	42,307	Oct. 25	109	544
American Hog Cholera Cure Co., Minneapolis, Minn. Remedy for curing hog-cholera	42,853	June 21	110	2229
American Hominy Company, Indianapolis, Ind. Hominy feed	43,723	May 31	110	1422
American Lace Leather Co., Inc., Richmond, Va. Lace-leather	43,221	Aug. 23	111	2213
American Leather Co., New York, N. Y.; Wilmington, Del.; Boston, Mass., and Cincinnati, Ohio. Glaze or otherwise finished kid-leather	41,968	Feb. 2	108	1320
American Manufacturing Company, New York, N. Y. Rope and twine	42,679	May 24	110	1162
American Manufacturing Company, New York, (Manhattan,) N. Y. Rope and twine	42,708	May 31	110	1419
American Mica Co., Newton, Mass. Electrical insulators	43,265	Aug. 30	111	2486
American Music Company, Chicago, Ill. Keyed stringed musical instruments	42,015	Feb. 9	108	1580
American Pad & Textile Co., Greenfield, Ohio. Pads for horses	43,690	Oct. 25	112	2489
American Ring Co., Waterbury, Conn. Clasps and fasteners for personal wear	43,462	Oct. 11	112	1469
American Ring Co., Waterbury, Conn. Clasps and fasteners for personal wear	42,463	Oct. 11	112	1469
American Ring Co., Waterbury, Conn. Clasps and fasteners for personal wear	43,464	Oct. 11	112	1469
American Tanners Glue Co., Gowanda, N. Y. Glue	43,155	Aug. 9	111	1620
American Thread Company, Jersey City, N. J. Spool-cotton, thread, and sewing-cotton	41,935	Jan. 26	108	1043

Alphabetical list of registrants of trade-marks—Continued.

Name, residence, and title.	No.	Date.	Official Gazette.	
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American Trading Company, New York, N. Y. Drilling, sheeting, and jeans	42,095	Feb. 23	108	2134
American Trading Company, New York, N. Y. Cotton sheetings, drills, and flannels	42,875	June 28	110	2501
American Type Founders Company, Jersey City, N. J. Printing type, ornaments, borders, and rules	43,085	July 19	111	801
American Wood Working Machinery Company, Williamsport, Pa., and New York, N. Y. Sawing machinery	42,310	Mar. 29	109	1832
Amsinck & Co., G., New York, N. Y. Coffee	42,325	Apr. 5	109	1620
Amsinck & Co., G., New York, N. Y. Coffee	42,688	May 24	110	1162
Andrew McLean Co., Passaic, N. J. Sized or stiffened cloth	42,971	July 12	111	571
Angelus Prayer Clock Concern, Chicago, Ill. Angelus clocks	43,571	Oct. 18	112	1743
Anglo-American Incandescent Gas Light Company, Pittsburg, Pa. Mantles for burners	42,993	July 12	111	574
Anthony and Scovill Company, New York, N. Y. Photographic developing, toning, and fixing material	41,994	Feb. 2	108	1323
Anthony and Scovill Company, New York, N. Y. Photographic cameras and tripods	41,995	Feb. 2	108	1323
Anti-Oak Leather Manufacturing Company, Los Angeles, Cal. Leather	43,662	Nov. 8	113	542
Appendix Medical Co., Huntington, Ind. Medicine for appendicitis	43,415	Sept. 27	112	850
Aquascutum, Limited, London, England. Waterproof outer garments	42,736	June 14	110	3007
Arctic Mining and Trading Co., Teller, Alaska. Canned fruits and vegetables	43,442	Oct. 4	112	1206
Argon Asphalt Co., Greenock, Scotland. Roofing felt prepared in asphalt and gravel	42,910	June 28	110	2505
Argonaut Cotton Mill Co., Covington, Ky. Twine, rope, and cord	42,945	July 5	111	294
Arkell Company, New York, N. Y. Monthly magazine or periodical	43,003	July 12	111	574
Armour & Company, Chicago, Ill. Certain named food products	41,867	Jan. 12	108	554
Arnould, Denis, New York, N. Y. Confectionery	42,491	Apr. 26	109	2495
Asbestos and Magnesia Manufacturing Company, Philadelphia, Pa. Coverings for heated surfaces	42,812	June 14	110	2009
Asensio, Joseph F., New York, N. Y. Wheat-flour	42,710	May 31	110	1420
Asmo Kennedy Co., Mount Morris, Ill. Liquid medical preparation for the treatment of certain named diseases	42,417	Apr. 19	109	2162
Aspergren & Co., New York, N. Y. Dried and canned fruits	42,549	May 3	110	801
Atchison, Topeka and Santa Fe Railway Company, Chicago, Ill. Publications	43,219	Aug. 23	111	2213
Atha Tool Company, Newark, N. J. Hammers, sledges, and mauls	42,816	June 14	110	2009
Atha Tool Company, Newark, N. J. Wedges	43,013	July 12	111	576
Atchearn, Elisha S., North, Iowa. Potulices	42,884	June 28	110	2505
Atlantic Export Company, New York, N. Y. Brewers' and distillers' grains	42,589	May 10	110	595
Atlantic Refining Co., Cleveland, Ohio. Black waterproof roofing-paint	43,190	Aug. 16	111	1929
Auburn Ball Bearing Company, Rochester, N. Y. Ball-bearings	43,323	Sept. 6	112	246
Auburn Concrete Machinery Co., Auburn, Ind. Machinery for making concrete building-blocks	43,683	Nov. 8	113	544
Auerbach & Sons, D., New York, N. Y. Salted peanuts	42,851	June 28	110	2505
Auerbach & Sons, D., New York, N. Y. Confectioneries, chocolates, and candies	43,532	Oct. 18	112	1740
August Maag Co., Baltimore, Md. Metal baking-pans	43,951	Dec. 27	113	2499
Austern, Carl, New York, (Manhattan), N. Y. Certain named clothing	42,752	June 7	110	1715
Austin Cartridge Co., Cleveland, Ohio. Cartridges	43,911	June 28	110	2505
Austin Cartridge Co., Cleveland, Ohio. Cartridges	42,912	June 28	110	2505
Austin, Young & Co., Chelsea, Mass. Biscuits	41,894	Jan. 19	108	789
B. Payn's Son's Tobacco Co., Albany, N. Y. Chewing-tobacco	42,536	May 3	110	299
B. Payn's Son's Tobacco Co., Albany, N. Y. Chewing-tobacco	42,668	May 24	110	1160
B. Payn's Son's Tobacco Co., Albany, N. Y. Chewing-tobacco	43,773	Nov. 29	113	1410
B. Payn's Son's Tobacco Co., Albany, N. Y. Chewing-tobacco	43,774	Nov. 29	113	1410
B. F. Goodrich Company, Akron, Ohio. Steam packing-rings of rubber	43,217	Aug. 16	111	1932
B. S. and F. Company, Minneapolis, Minn. Surgeon's lamp	42,776	June 7	110	1718
Backhaus, Adolf, Barmen-Rittershausen, Germany. Toilet-paper	42,973	July 12	111	571
Bacon, Ellen F., Ottawa, Canada. Specific for the cure of boils	42,768	June 7	110	1717
Bacon, Frederic S., Middleton, Conn. Cleaning compounds for certain named purposes	43,023	June 28	110	2506
Bailey & Davis, Lynn, Mass. Leather boots and shoes	43,019	July 19	111	739
Bailey, William E., Chicago, Ill. Cough-syrup	42,578	May 10	110	593
Bain, Donald, Buffalo, N. Y. Tonic for certain named diseases	42,772	June 7	110	1718
Baker, Madison M., Boston, Mass. Leather boots and shoes	43,364	Apr. 12	109	1880
Balay et Cie., G., St. Etienne, France. Ribbons	42,520	May 3	110	298
Balay et Cie., G., St. Etienne, France. Ribbons	42,521	May 3	110	298
Baldt Steel Company, Newcastle, Del. Steel castings	41,846	Jan. 5	108	284
Banana Coffee & Food Co., Philadelphia, Pa. Coffee made from bananas	43,054	July 26	111	1030
Bancroft, Sidney, New York, N. Y. Liquid compound for use in cutting, boring, and drawing of metals	42,379	Apr. 12	109	1882
Banner Baking Powder Co., Pittsburg, Pa. Baking-powders	43,824	Dec. 6	113	1700
Banner Rubber Co., St. Louis, Mo. Certain named rubber footwear	42,067	Feb. 16	108	1863
Barbee Wire & Iron Works, Lafayette, Ind. Calf-weaners	42,282	Mar. 22	109	1064
Barber Asphalt Paving Company, Philadelphia, Pa. Refined asphalts for certain named purposes	42,307	Mar. 29	109	1832
Barber Asphalt Paving Company, Philadelphia, Pa. Refined asphalt for certain named purposes	42,905	Mar. 29	113	2299
Barclay Perkins & Co., Limited, London, England. Certain named malt liquors	43,433	Apr. 19	109	2163
Barclay Perkins & Co., Limited, London, England. Certain named malt liquors	42,440	Apr. 19	109	2164
Bardach, Richard W., Chicago, Ill. Antiseptics	43,030	July 19	111	800
Bargus, Frederick C., Columbus, Ohio. Ribbons	41,991	Feb. 2	108	1323
Bark & Company, Philadelphia, Pa. Leather boots and shoes	43,919	Dec. 27	113	2496
Barker, Brown & Co., Huntington, Ind. Leather shoes for men and boys	42,368	Apr. 12	109	1881
Barker, Louis J., Syracuse, N. Y. Medicinal salts for certain named diseases	43,620	Nov. 1	113	274
Barnhart Brothers & Spindler, Chicago, Ill. Type	43,391	Sept. 20	112	722
Barnhart, Clarence L., New York, N. Y. Certain named cleaning compound	42,764	June 7	110	1717
Barolin, Carl, Vienna, Austria-Hungary. Coloring-matters, dyes, and mordants	42,259	Mar. 22	109	1063
Barrett Manufacturing Company, New York, N. Y. Ready tar and felt roofing	42,999	July 12	111	574
Barthelemy, Frank, New York, N. Y. Carbon-paper	42,974	July 12	111	571
Barthou & Guertier, Bordeaux, France. Olive-oil	42,590	May 10	110	595
Bashford, John W., London, England. Whisky	43,811	Sept. 6	112	245
Bass, E. & J., New York, N. Y. Imitation tortoise-shell hair-pins, hair-combs, and hair ornaments	42,559	May 3	110	292
Bass, E. & J., New York, N. Y. Pocket-books, wallets, purses, and change-bags	42,569	May 10	110	592
Bass, E. & J., New York, N. Y. Finger-rings	42,609	May 17	110	851
Bass, E. & J., New York, N. Y. Belts and buckles therefor	43,747	Nov. 22	113	1139
Battista, Onorato, Naples, Italy. Remedies for certain named diseases	42,954	July 5	111	395
Bauer & Black, Chicago, Ill. Porous plasters	42,143	Feb. 23	108	2139
Bay State Milling Co., Winona, Minn., and Boston, Mass. Wheat-flour	42,624	May 17	110	852
Beck, John, Brooklyn, N. Y. Salves	42,637	May 17	110	853
Becker, Simon, Spartanburg, S. C. Certain named non-alcoholic drink	42,077	Feb. 16	108	1864
Beckert, Ernst, Chemnitz, Germany. Certain named knitting-machine appliances	42,283	Mar. 22	109	1064
Beckett, Henry C., Hamilton, Canada. Coffee	43,591	Oct. 25	113	2087
Beckett, Henry C., Hamilton, Canada. Baking-powder	42,769	Nov. 29	113	1410
Beckett, Henry C., Hamilton, Canada. Tea	43,770	Nov. 29	113	1410

Alphabetical list of registrants of trade-marks—Continued.

Name, residence, and title.	No.	Date.	Official Gazette.	
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Beckett, Henry C., Hamilton, Canada. Certain named canned goods	43,832	Dec. 13	113	1961
Belknap Hardware & Mfg. Co., Louisville, Ky. Sporting-guns	42,964	July 5	111	296
Belle Mead Sweetsmakers, Hopewell, N. J. Confectionery	42,490	Apr. 26	109	2435
Bellis, William K., Indianapolis, Ind. Washing-powder	42,922	June 28	110	2206
Belmont Distillery Co., Louisville, Ky. Whisky	42,401	Apr. 19	109	2160
Bemis Bro. Bag Co., St. Louis, Mo. Horse-blankets, fly-nets, and fly-covers	42,834	June 21	110	2226
Bemis Bro. Bag Company, St. Louis, Mo. Bags	43,500	Oct. 11	112	1472
Benjamin Moore & Company, Chicago, Ill. Varnish	42,619	May 17	110	852
Benjamin Moore & Company, Brooklyn, N. Y. Certain named painters' supplies	43,065	July 26	111	1032
Benners, Edwin H., New York, N. Y. Metal castings	42,787	June 7	110	1719
Bennett Chemical Co., Le Roy, N. Y. Flavouring extract	43,557	Sept. 13	112	495
Bentley & Olmsted Company, Des Moines, Iowa. Rubber boots, rubber shoes, and rubber sandals	42,470	Apr. 26	109	2433
Berliner Hygiene, Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Prophylactic medicines	42,632	May 17	110	853
Bernheim, Röse, Ptersee-Augsburg, Germany. Chemical finishing compound	42,821	July 12	111	573
Bernheim, Röse, Ptersee-Augsburg, Germany. Chemical finishing compound	42,952	July 12	111	573
Bernheimer & Schwartz Pilsener Brewing Company, New York, N. Y. Beer and porter	42,716	May 31	110	1421
Berry Brothers, Limited, Detroit, Mich. Spirit varnish	42,045	Feb. 9	108	1583
Berry Brothers, Limited, Detroit, Mich. Spirit varnish	42,084	Feb. 16	108	1865
Berry Brothers, Limited, Detroit, Mich. Spirit varnish	42,085	Feb. 16	108	1865
Berry, Dodge & Co., Newburyport, Mass. Coffee	43,469	Oct. 11	112	1470
Berry, Dodge & Co., Newburyport, Mass. Tea	43,470	Oct. 11	112	1470
Berry, Dodge & Co., Newburyport, Mass. Tea	43,734	Nov. 22	113	1138
Berry, Dodge & Co., Newburyport, Mass. Tea	43,735	Nov. 22	113	1138
Berzinski & Richter, Berlin, Germany. Skin lotions, creams, and powders	43,779	Nov. 29	113	1111
Beschid, S., London, England. Turkish cigarettes	42,787	Nov. 29	113	1111
Biber, Wilhelm, Berlin, Germany. Certain named pastry-work	43,589	Oct. 25	112	2087
Bickum, Charles I., Haverhill, Mass. Medicines for treatment of diseases of cats	42,137	Feb. 23	108	2138
Bigbee, John F., Savannah, Ga. Card games	43,428	Sept. 27	112	950
Bilgan, John A., Lexington, Okla. Ter. Preservatives and sweeteners of food in tablet and liquid form	42,722	May 31	110	1421
Binney & Smith Co., New York, N. Y. Marking substances and crayons and pencils	41,937	Jan. 26	108	1043
Bird & Co., J. A. & W., Boston, Mass. Certain named coating material	41,876	Jan. 12	108	555
Birdsey & Somers, New York, N. Y. Corsets	41,885	Jan. 19	108	788
Birdsey & Somers, New York, N. Y. Corsets	41,965	Feb. 2	108	1320
Birdsey & Somers, New York, N. Y. Corsets and corset-covers	42,007	Feb. 9	108	1579
Birdsey & Somers, New York, N. Y. Children's knitted waists	42,008	Feb. 9	108	1579
Birdsey & Somers, New York, N. Y. Corsets	42,392	Apr. 19	109	2159
Birdsey & Somers, New York, N. Y. Corsets, corset-waists, and corset-covers	43,896	Dec. 20	113	2205
Bitter Apple Bitters Co., Hattiesburg, Miss. Bitters	43,200	Aug. 16	111	1930
Black Diamond Medicine Co., Covlesville, N. Y. Medicine for certain named diseases	43,150	Aug. 16	111	1929
Blackburn, Hough & Company, Philadelphia, Pa. Puzzles	43,522	Feb. 22	113	1137
Blackburn, Joseph E., Columbus, Ohio. Bread	42,408	Apr. 19	109	2161
Bladworth, Jessie S., New York, N. Y. Patterns for cutting dresses	43,408	Sept. 27	112	949
Blair Mfg. Co., Springfield, Mass. Lawn-mowers	42,602	May 10	110	596
Blair, Mott P., Troy, N. C. Liquid medicine for the cure of certain named diseases	42,898	June 28	110	2503
Blake's Key Protectors, Ltd., Leeds, England. Boot-protectors of metal and of metal and rubber	43,392	Sept. 20	112	723
Blackley, Leander L., Clearwater, Fla. Insecticides and compounds for preventing injury to trees	42,136	Feb. 23	108	2138
Blanchette Process Paint Company, New York, N. Y. Certain named decorative products for interior and exterior use	43,454	Oct. 4	112	1208
Blanchette Process Paint Company, New York, N. Y. Certain named decorative products for interior and exterior use	43,483	Oct. 11	112	1471
Blaustein, Nathan, Baltimore, Md. Wheat-flour	42,239	Aug. 23	111	2315
Blustifabrik vorm. Johann Faber A. G., Nuremberg, Germany. Certain named pencils	42,747	June 7	110	1715
Blood & Co., John, Philadelphia, Pa. Hosiery	42,363	Apr. 12	110	1880
Bloomer, Louis, Newark, N. J. Washing fluids	42,886	June 28	110	2502
Blue Ribbon Tea Co., Limited, Toronto, Canada. Tea	43,807	Dec. 6	113	1698
Blue Ridge Beverage & Extract Co., Anderson, S. C. Tonic beverages	43,687	Nov. 8	113	544
Blumenthal Bros. & Co., Philadelphia, Pa. Overcoats, ulsters, and raincoats	42,204	Mar. 8	109	543
Blumer, Arthur, La Varenne, France. Bottle-stoppers	42,223	Mar. 8	109	545
Boas & Shorb, Canton, Ohio. Peanut-butter candy	42,854	May 10	110	594
Bodie, Louis, Fremont, Ohio. Catarrh and cough medicines	42,215	Mar. 8	109	544
Roegle Bros., St. Joseph, Mo. Leather boots and shoes	41,887	Jan. 19	108	788
Boehm, Paul M., New York, N. Y. Medical compounds for certain named diseases	43,678	Nov. 8	113	544
Boehringer & Soehne, C. F., Waldhof, Germany. Certain named medicinal and food compounds	42,432	Apr. 19	109	2165
Boepple Button Co., Muscatine, Iowa. Buttons	43,502	Oct. 11	112	1473
Boerckle & Tafel, New York, N. Y. Grape-juice	42,981	July 12	111	572
Böker & Co., H., Solingen, Germany. Razors	42,994	July 12	111	574
Bonora Chemical Co., New York, N. Y. Chemical fertilizers	43,812	Dec. 6	113	1699
Booklovers Library, Camden, N. J., and Philadelphia, Pa. Teas	41,864	Jan. 12	108	554
Booklovers Library, Camden, N. J., and Philadelphia, Pa. Milk and milk products	41,865	Jan. 12	108	554
Booklovers Library, Camden, N. J., and Philadelphia, Pa. Bread, biscuits, crackers, gums, and wafers	41,866	Jan. 12	108	554
Booklovers Library, Camden, N. J., and Philadelphia, Pa. Portable circulating libraries, books, periodicals, and pamphlets	41,883	Jan. 19	108	788
Booklovers Library, Camden, N. J., and Philadelphia, Pa. Certain named furniture	42,235	Jan. 15	108	802
Borden's Condensed Milk Co., New York, N. Y. Confectionery	42,615	Jan. 8	108	282
Borden's Condensed Milk Co., New York, N. Y. Confectionery	41,824	Jan. 5	108	282
Boss Mfg. Co., Kewanee, Ill. Gloves and mittens	42,198	Mar. 8	109	543
Boss Mfg. Co., Kewanee, Ill. Gloves and mittens	42,199	Mar. 8	109	543
Boss Mfg. Co., Kewanee, Ill. Gloves and mittens	42,320	Mar. 8	109	543
Boss Mfg. Co., Kewanee, Ill. Gloves and mittens	42,301	Mar. 8	109	543
Boss Mfg. Co., Kewanee, Ill. Husking devices and implements	42,225	Mar. 8	109	546
Boston Gore and Web Manufacturing Co., Boston and Chelsea, Mass. Elastic webbing fabrics and goring	41,852	Jan. 12	108	552
Boston Herald Company, Boston, Mass. Daily and weekly newspapers	42,749	June 7	110	1715
Botters Special Machinery Co., Chicago, Ill. Certain named paste	42,615	May 17	110	851
Bourland & Stevens Bros., Decatur, Ill. Medicated salt	42,413	Apr. 19	109	2161
Bourland & Stevens Bros., Decatur, Ill. Medicated salt	42,414	Apr. 19	109	2161
Bowers Rubber Company, San Francisco, Cal. Rubber hose and cotton hose	42,454	Apr. 19	109	2165
Bowers Rubber Company, San Francisco, Cal. Rubber hose and cotton hose	42,455	Apr. 19	109	2165
Bowers Rubber Company, San Francisco, Cal. Rubber hose and cotton hose	42,456	Apr. 19	109	2165
Bowers Rubber Company, San Francisco, Cal. Rubber hose and cotton hose	42,457	Apr. 19	109	2165
Bowers Rubber Company, San Francisco, Cal. Rubber-lined hose	43,901	Dec. 20	113	2209
Bowers Rubber Company, San Francisco, Cal. Rubber-lined hose	43,902	Dec. 20	113	2209

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Bowman's Sons, Ezra F., Lancaster, Pa. Gravers, their handles and their belongings	43,787	Nov. 29	113	1412
Brackett, George, Boston, Mass. Antiseptic medicine for internal use	41,928	Jan. 19	108	792
Bradford Dyers' Association, Limited, Bradford, England. Cotton and wool goods and linings	43,380	Apr. 12	109	1880
Bradford Dyers' Association, Limited, Bradford, England. Dress pieces and linings of silk	43,361	Apr. 12	109	1880
Bradford Dyers' Association, Limited, Bradford, England. Certain named textile goods	43,601	Oct. 25	112	2088
Bradford Dyers' Association, Limited, Bradford, England. Certain named textile goods	43,862	Dec. 20	113	2204
Brady, Elizabeth B., Lowell, Mass. Chalk crayons	43,172	Aug. 16	111	1927
Brany, Policsek & Nagy, Alpha, N. J. Bitters	43,697	Nov. 15	113	842
Brasington, John M., Bennettville, S. C. Pea and bean threshers and hullers	42,818	June 14	110	2009
Brauerel zum Munchner Kiadl, Munich, Germany. Lager-beer	43,636	Nov. 1	113	275
Brauns & Co., M. L., Chicago, Ill. Dried herbs for making medicinal extracts	43,449	Oct. 4	112	1207
Reinig, Granville M., New Milford, Conn. Certain named cleaning compound	43,434	Sept. 27	112	950
Brenner Extract Company, Boston, Mass. Medical preparation for cure of certain named diseases	42,192	Feb. 23	108	2198
Bridgeport Chain Company, Bridgeport, Conn. Metal fasteners	43,548	Oct. 18	112	1741
Bristol Manufacturing Company, Bristol, Conn. Knit underwear	43,626	Nov. 1	113	274
Britelite Lamp Company, New York, N. Y. Acetylene-lamps and their parts	42,155	Feb. 23	108	2140
Britton, Joseph A., New York, N. Y. Burglar-alarm for doors	43,390	Sept. 20	112	722
Brown & Allen, Atlanta, Ga. Lotion for cure of certain named diseases	42,172	Mar. 1	109	270
Brown, Durrell & Co., Boston, Mass. Yarns	41,934	Jan. 26	108	1043
Brown, Francis C., New York, N. Y. Fountain-pens	42,424	Apr. 19	109	2162
Brown, James H., Glasgow, Scotland. Whisky	41,971	Feb. 2	108	1320
Brown Shoe Company, St. Louis, Mo. Boys' and girls' leather, canvas, and cloth shoes	43,758	Nov. 29	113	1409
Brown Tobacco Company, W. A., Martinsville, Va. Plug and cut-plug chewing-tobacco	42,074	Feb. 16	108	1864
Browne, Benjamin N., New York, N. Y. Sweaters	43,535	Oct. 18	112	1742
Browning, Robert H., Oliveville, W. Va. Herb compound used as a remedy for cancer	43,187	Aug. 16	111	1929
Brunner, Mond & Co., Limited, Northwich, England, and New York, N. Y. Certain named drugs and chemicals	41,942	Jan. 26	108	1044
Brunner, Mond & Co., Limited, Northwich, England, and New York, N. Y. Certain named drugs and chemicals	41,982	Feb. 2	108	1332
Bryson, Charles M., Cleveland, Ohio. Sewing-machines	42,963	July 5	111	296
Buck, John A., Kosciusko, Miss. Cleaning compounds for cleaning and scouring	41,992	Feb. 2	108	1323
Buckley, James A., Lees, England. Medicinal preparation for the cure of influenza, neuralgia, and headache	42,986	July 12	111	573
Buddenbohn, Charles L., Baltimore, Md. Salve	42,248	Mar. 15	109	801
Buegeleisen & Jacobson, New York, N. Y. Violins and their parts	43,572	Oct. 18	112	1744
Buffalo Rubber Mfg. Co., Buffalo, N. Y. Rubber gloves	43,465	Oct. 11	112	1499
Builders Iron Foundry, Providence, R. I. Water-meters	42,646	May 17	110	854
Bull, Benjamin S., Minneapolis, Minn. Wheat-flour	42,588	May 10	110	594
Burden, James H., Oak Park, Cal. Pepper	43,009	July 12	111	575
Buren, Henri de, New York, N. Y. Thermal engines	43,790	Nov. 29	113	1412
Burford, Solomon R., Sardin, Miss. Liquid medicine for certain named diseases	42,168	Mar. 1	109	270
Burke, Frank G., New York, N. Y. Toilet soap	42,766	Nov. 29	113	1410
Burke, George W., Philadelphia, Pa. Certain named fur garments	43,690	Nov. 15	113	841
Burnham, Ralph F., Auburn, Me. Medicinal preparation for cure of certain named diseases	42,069	Feb. 16	108	1863
Burton Bros. & Co., New York, N. Y. Linings	42,159	Mar. 1	109	269
Burton Bros. & Co., New York, N. Y. Linings	42,160	Mar. 1	109	269
Burton Bros. & Co., New York, N. Y. Linings	42,290	Mar. 29	109	1331
Burton Bros. & Co., New York, N. Y. Satin and silk	42,703	May 31	110	1419
Burton Bros. & Co., New York, N. Y. Port-wine	42,704	May 31	110	1419
Burton Bros. & Co., New York, N. Y. Women's waists, petticoats, and skirts	43,177	Aug. 16	111	1928
Burton Bros. & Co., New York, N. Y. Certain named dry goods	43,940	Dec. 27	113	2498
Burton, Daniel W., Norfolk, Va. Certain pharmaceutical preparations	43,241	Aug. 23	111	2215
Bushnell & Co., D. I., St. Louis, Mo. Timothy-seed	43,443	Oct. 4	112	1206
Butler, Annie S., London, England. Paper-powder books	42,171	Mar. 1	109	270
Butler Doll-Stand Co., Chicago, Ill. Doll-stands	42,691	May 24	110	1163
Butler, James, New York, N. Y. Flour	41,869	Jan. 12	108	554
C. Rosenstein Company, New York, N. Y. Safety-matches	43,450	Oct. 4	112	1207
C. F. Monroe Company, Meriden, Conn. Ornamental glass vases, vessels, and receptacles	43,101	Aug. 2	111	1354
C. H. Blomstrom Motor Co., Detroit, Mich. Automobiles and their parts	41,983	Jan. 26	108	1046
C. L. Hawthaway & Sons Incorporated, Boston, Mass. Liquid cement	43,706	Nov. 15	113	842
C. M. Clark Publishing Co., Boston, Mass. Playing-cards	43,756	Nov. 29	113	1409
Cafteneo Drug Company of Baltimore City, Baltimore, Md. Ointments	43,170	Aug. 16	111	1927
Caldwell, George W., Middletown, N. Y. Compound for the treatment of certain named diseases	43,203	Aug. 16	111	1931
California Citrus Products Co., National City, Cal. Juice of the grape-fruit	43,324	Apr. 5	109	1600
California Package Fruit Co., Chicago, Ill. Dried fruits	43,328	Dec. 27	113	2497
California Wheat Starch Factory, Stockton, Cal. Certain named starch and starch products	43,652	Nov. 8	113	541
Callahan, Frank, Chicago, Ill. Asphalt, asphalt gum, and asphalt paint	43,363	Sept. 13	112	495
Camel Company, Chicago, Ill. Certain trimmings for freight-car doors	43,236	Aug. 23	111	2215
Camel Company, Chicago, Ill. Certain trimmings for freight-car doors	43,237	Aug. 23	111	2215
Campaign Card Company, Atlanta, Ga. Playing-cards	43,640	Mar. 24	110	1168
Campbell, Charles E., New York, N. Y. Remedy for diseases of the blood and skin	42,331	Apr. 5	109	1601
Campbell, Joseph P., Buffalo, N. Y. Axle-grease and axle-oils	42,325	Sept. 6	112	243
Campbell Printing Press & Mfg. Co., New York, N. Y. Apparatus for making stereotype printing-plates	42,105	Aug. 2	111	1358
Canepa, John B., Chicago, Ill. Macaroni and vermicelli	42,550	May 3	110	801
Canonsburg Iron & Steel Co., Pittsburg, Pa. Sheet-metal lath and metal sheets	41,845	Jan. 5	108	284
Cantin, Eugene J., New York, N. Y. Whisky	42,538	May 3	110	800
Cantin, Eugene J., New York, N. Y. Gin	42,539	May 3	110	800
Cantin, Eugene J., New York, N. Y. Port-wine	42,544	May 3	110	800
Cantin, Eugene J., New York, N. Y. Sherry-wine	42,544	May 3	110	800
Cantin, Eugene J., New York, N. Y. Whisky	42,665	May 24	110	1160
Cantin, Eugene J., New York, N. Y. Whisky	42,774	June 7	110	1718
Cantin, Eugene J., New York, N. Y. Sparkling beverage made from fruit	43,613	Nov. 1	113	273
Capewell Horse Nail Co., Hartford, Conn. Horse-nails	42,191	Mar. 1	109	272
Capewell Horse Nail Co., Hartford, Conn. Blued horse-nails	42,190	Mar. 1	109	272
Capewell Horse Nail Co., Hartford, Conn. Horse-nails	42,191	Mar. 1	109	272
Capewell Horse Nail Co., Hartford, Conn. Horse-nails	43,814	Dec. 6	113	1699
Capital Knitting Co., Cohoes, N. Y. Slippers	42,879	June 28	110	2501
Carillon & Th. James, France, and New York, N. Y. Licorice extract	41,820	Jan. 5	108	282
Carle, Robert W., New York, N. Y. Disinfectants, pesticides, and deodorizers	42,166	Mar. 29	109	270
Carlowitz & Co., New York, N. Y. Watches, clocks, and parts thereof	43,756	Nov. 29	113	1412
Carmeliter Stomach Bitters Co., New York, N. Y. Bitters	42,890	June 28	110	2503
Carpenter, William S., Des Moines, Iowa. Embalming fluids and formaldehyde compounds	41,943	Jan. 26	108	1044
Carreras Limited, London, England. Smoking-tobacco and cigarettes made from such tobacco	43,162	Aug. 16	111	1926
Carreras Limited, London, England. Smoking-tobacco and cigarettes made from tobacco	43,530	Oct. 18	112	1739
Carreras Limited, London, England. Cigars	43,510	Dec. 6	113	1698

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Caruthers-Jones Shoe Co., Memphis, Tenn. Leather boots and shoes.	42,707	May 31	110	1419
Cartwright, John P., Augusta, Ga. Dog and toilet soap.	43,044	July 19	111	802
Caruncho, Antonio, Havana, Cuba. Cigars.	43,052	July 26	111	1080
Case, Alfred W., Highland Park, Conn. Pulp-board containing ground leather.	43,023	Nov. 1	113	274
Case Manufacturing Company, Rochester, N. Y. Chewing-gum.	43,249	Aug. 30	111	2484
Cassebeer Pharmacal Co., New York, N. Y. Preparations for the skin, hair, and nails.	42,038	Feb. 9	108	1582
Catch On Clasp Mfg. Co., Baltimore, Md. Devices for securing drawers to trousers.	43,432	Oct. 4	112	1205
Cayce-Caguas Tobacco Co., New York, N. Y., and Porto Rico. Cigars, cheroots, and cigarettes made of cigar-tobacco.	42,581	May 10	110	594
Cayce-Caguas Tobacco Co., New York, N. Y. Cigars, cheroots, and cigarettes made of cigar-tobacco.	43,182	Aug. 16	111	1928
Cayce-Caguas Tobacco Company, New York, N. Y. Cigars, cheroots, and cigarettes made of cigar-tobacco.	42,535	May 3	110	399
Caywood, Charles B., Washington, D. C. Laxatives.	42,633	May 17	110	853
Central Consumers Company, Louisville, Ky. Beer and malt tonic.	43,086	Aug. 2	111	1356
Chambersburg Shoe Mfg. Co., Chambersburg, Pa. Leather boots and shoes.	43,920	Dec. 27	113	2456
Champion Coated Paper Co., Hamilton, Ohio. Coated embossing cover-paper.	43,099	Aug. 2	111	1358
Champion Tool & Handle Works, Ewart, Mich. Certain named logging-tools.	42,517	Apr. 26	109	2438
Chapin and Gore, Chicago, Ill. Whiskies.	42,627	May 17	110	852
Charles Boldt Glass Company, Cincinnati, Ohio. Bottles.	43,323	Sept. 20	112	723
Charles J. Clark Manufacturing Co., New York, N. Y. Mirrors.	43,340	Sept. 13	112	493
Charleston Metallic Packing Co., Charleston, S. C. Packing for parts of machinery.	43,150	Aug. 9	111	1620
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,492	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,493	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,494	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,495	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,496	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, beds, and coverlets.	43,497	Oct. 11	112	1472
Chas. Emmerich and Company, Chicago, Ill. Pillows, mattresses, and coverlets.	43,665	Oct. 11	112	1472
Chas. & Co., W. P., Chicago, Ill. Chewing-gum.	43,876	Dec. 20	113	2206
Chatham Mfg. Co., Elkin, N. C. Certain named blankets.	43,371	Sept. 20	112	721
Chatham Mfg. Co., Elkin, N. C. Certain named blankets.	43,372	Sept. 20	112	721
Chauvenet, F., Nuits, France. Wine.	41,945	Jan. 26	108	1044
Chauvenet, F., Nuits, France. Wine.	42,029	Feb. 9	108	1581
Chauvenet, F., Nuits, France. Wine.	42,082	Feb. 9	108	1581
Chemisch-Technisches und Hygienisches Institut, Dr. Popp & Dr. Becker, Frankfurt-on-the-Main, Germany. Certain named chemical.	42,486	Apr. 26	5109	243
Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Disinfecting and deodorizing agents.	42,988	July 12	111	573
Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Purgatives.	43,029	July 19	111	800
Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Certain named pharmaceutical products.	43,418	Sept. 27	112	950
Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Certain named therapeutic agents.	43,419	Sept. 27	112	950
Chemische Fabrik Flörsheim, Dr. H. Noerdlinger, Flörsheim-on-the-Main, Germany. Certain named oil.	42,593	May 10	110	595
Chemische Fabrik Vecheide A.-G., Vecheide, Germany. Chemical preparations for sulfur-baths.	42,422	Apr. 19	109	2162
Chemische Fabrik von Heyden Aktiengesellschaft, Radebeul, Germany. Certain named chemical productions for pharmaceutical use.	41,813	Jan. 5	108	281
Chemische Fabrik von Heyden, Aktiengesellschaft, Radebeul, Germany. Artificial food preparations.	42,410	Apr. 19	109	2161
Chennaux, Nicholas, Chicago, Ill. Corn cure.	43,061	July 26	111	1031
Chesapeake & Ohio Coal & Coke Co., Richmond, Va. Coal.	43,175	Aug. 16	111	1928
Chicago & Alton Railway Company, Chicago, Ill. Colored prints.	42,742	May 31	110	1423
Chicago Fire Proof Covering Co., Chicago, Ill. Certain named fireproof, non-conducting insulation.	43,116	Aug. 2	111	1359
Chicago Specialty Company, Chicago, Ill. Catamenial sacks.	43,254	Aug. 30	111	2485
Chicago Steam Appliance and Specialty Company, Chicago, Ill. Metallic packing.	43,521	Oct. 11	112	1474
Childs, William, Jr., New York, N. Y. Coffee.	42,918	June 28	110	2505
Chilton Paint Co., Portland, Me., and New York, N. Y. Marine paint.	41,840	Jan. 5	108	284
Chipman, Andrew L., New York, N. Y. Printing-machines.	43,953	Dec. 27	113	2500
Chrestien, Fernand F., Tisree, India. Mica in blocks, sheets, and powder.	43,661	Nov. 8	113	542
Chrome Steel Works, New York, N. Y. Certain named metal productions.	42,051	Feb. 9	108	1583
Chrome Steel Works, New York, N. Y. Certain named metal productions.	42,091	Feb. 16	108	1866
Chubbuck, William, New York, N. Y. Artificial mineral waters.	43,471	Oct. 11	112	1470
Chute, Hiram E., La Fontaine, Ind. Pianos and organs.	43,387	Sept. 30	112	722
Civita, Charles, New York, N. Y. Proprietary remedies for internal use.	41,812	Jan. 5	108	281
Clapp, Dwight M., Boston, Mass. Tooth-brushes.	41,906	Jan. 19	108	790
Clark-Hutchinson Company, Boston, Mass. Leather boots, shoes, and slippers and leather for the same.	43,796	Dec. 6	113	1697
Clark Mile-End Spool Cotton Co., East Newark, N. J. Darning-cotton and crochet-cotton.	42,196	Mar. 8	109	542
Clark Mile-End Spool Cotton Co., East Newark, N. J. Cotton thread.	42,197	Mar. 8	109	543
Clark, Robert W., and H. J. Gille, St. Paul, Minn. Illuminated signs.	42,154	Feb. 23	108	2140
Clarksburg Stogie Co., Clarksburg, W. Va. Stogies.	43,676	Nov. 8	113	543
Clarksburg Stogie Co., Clarksburg, W. Va. Stogies.	43,677	Nov. 8	113	543
Clarksburg Stogie Co., Clarksburg, W. Va. Stogies.	43,721	Nov. 15	113	844
Claro Chemical Co., Pittsburg, Pa. General tonic.	42,952	July 5	111	295
Clauss, Henrie, Fremont, Ohio. Razors.	42,676	May 24	110	1161
Claussen, Claus J., Clinton, Iowa. Shredded citron.	42,383	Apr. 12	109	1862
Clayton and Lambert Manufacturing Company, Detroit, Mich. Gasoline fire-pots and torches for plumbers' and tinners' use.	43,036	July 19	111	801
Cleaver, William P., Oskaloosa, Iowa. Workmen's suits, overalls, and shirts.	43,433	Oct. 4	112	1205
Cleveland-Akron Bag Co., Cleveland, Ohio. Certain named monthly journal or periodical.	43,486	Oct. 11	112	1471
Clifton Manufacturing Company, Clifton and Converse, S. C. Cotton shirtings, drills, and sheetings.	42,564	May 10	110	592
Clifton & Co., E., Philadelphia, Pa. Sash-tout and sweeping brushes.	43,426	Sept. 27	112	950
Cluster Gas Light Co., New York, N. Y. Incandescent mantles for gas-lamps.	42,811	June 14	110	2008
Cobb, Bates & Yerxa Co., Boston, Mass. Flour.	43,352	Sept. 13	112	494
Cochrane Manufacturing Co., East Dedham and Malden, Mass., and New York, N. Y. Handkerchiefs.	43,911	Dec. 27	113	2495
Coco Phosphate Company, Jacksonville, Fla. Certain named beverage.	43,139	Aug. 9	111	1618
Cohen, Lyon, Montreal, Canada. Babbitt metal.	42,090	Feb. 16	108	1866
Cohn, Goodman, San Francisco, Cal. Whisky.	42,626	May 17	110	852
Cott, Griffith, Jersey City, N. J. Currants.	42,760	June 7	110	1716
Colgate & Co., New York, N. Y. Perfumery.	42,374	Apr. 12	108	1881
Colgate & Co., New York, N. Y. Toilet soap.	42,375	Apr. 12	108	1881

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Colgate & Co., New York, N. Y. Perfumery.....	43,358	Sept. 13	112	495
Colmont, Valette et Cie., Vve. E., Paris, France. Certain named optical goods.....	42,219	Mar. 8	109	545
Colonial Salt Co., Akron, Ohio. Salt.....	43,555	Oct. 18	112	1742
Columbia Biscuit Company, St. Louis, Mo. Biscuits, cakes, crackers, and ginger-snaps.....	42,086	May 1	110	1162
Columbia Refining Co., New York, N. Y. Patents for certain named purposes.....	43,064	July 26	111	1081
Columbia Rice Packing Co., Ltd., Crowley, La. Rice.....	41,826	Jan. 5	108	283
Columbia Rice Packing Co., Ltd., Crowley, La. Rice.....	41,827	Jan. 5	108	283
Columbia Rice Packing Co., Ltd., Crowley, La. Rice.....	41,828	Jan. 5	108	283
Comar & Fils & Cie., F., Paris, France. Medicines for certain named diseases.....	43,775	Nov. 29	113	1411
Condax & Co., E. A., New York, N. Y. Cigarettes.....	43,514	Oct. 11	112	1474
Confer Medical Co., S. D., Orangeville, Ill. Liniments.....	43,094	Aug. 2	111	1357
Conneaut Can Company, Conneaut, Ohio. Cans.....	43,452	Oct. 4	112	1207
Conradi & Friedemann, Limbach, near Chemnitz, Germany. Certain named underwear.....	42,315	Apr. 5	109	1599
Consolidated Manhattan Suspender Co., New York, N. Y. Suspenders.....	41,911	Jan. 19	108	791
Consumers Clothing Company, Webster, S. D. Certain named wearing-apparel.....	43,075	Aug. 2	111	1355
Consumers Co., Chicago, Ill. Certain named water-coolers.....	42,869	June 21	110	2320
Continental Baking Powder Co., Nashville, Tenn. Baking-powder.....	43,944	Dec. 27	113	2499
Controller Company of America, St. Louis, Mo. Devices for receiving telephone-tolls.....	42,925	June 28	110	2506
Controller Company of America, St. Louis, Mo. Certain named meters.....	42,928	June 28	110	2506
Cooke & Cobb Company, Brooklyn, N. Y. Pocket-knife-flies.....	43,084	Jan. 5	108	284
Cooper Manufacturing Co., Bennington, Vt. Certain named underwear.....	43,076	Aug. 2	111	1355
Cooper, Pliny E., Minneapolis, Minn. Twine for binding grain.....	42,556	May 3	110	302
Coppens, Emmanuel, Brussels, Belgium. Remedy for certain named diseases.....	43,252	Aug. 30	111	2484
Cor-Ago Company, Lake Linden, Minn. Heart stimulants, diuretics, and eliminants.....	42,134	Feb. 23	108	2138
Cordish, Isaac, Baltimore, Md. Cigars and cigarettes made from cigar-tobacco.....	43,102	Nov. 1	113	275
Core, Albert S., Chicago, Ill. Liniments.....	43,830	Dec. 5	113	1299
Corno Mills Company, East St. Louis, Ill. Certain named feed.....	43,586	Oct. 25	112	2087
Corno Mills Company, East St. Louis, Ill. Certain named feed.....	43,587	Oct. 25	112	2087
Cortland Welding Compound Co., Cortland, N. Y. Chemical welding compound.....	42,340	Apr. 5	109	1602
Costikyan, Lemuel H., New York, N. Y. Coffee.....	42,346	Mar. 8	109	543
Cotton Collar Co., Atlanta, Ga. Certain named underwear.....	42,047	Feb. 9	108	1383
Coulter, Frank M., Los Angeles, Cal. Toilet soap.....	41,836	Jan. 5	108	284
Coyne & Delany, Brooklyn, N. Y. Flush-tanks, closets, and basins.....	43,795	Nov. 29	113	1412
Cramer, William F., Catawissa, Pa. Leather boots and shoes.....	41,912	Jan. 19	108	791
Crandall Stone & Co., Elmhurst, N. Y. Trimmings and hardware for carriage-tops.....	43,518	Apr. 26	109	2438
Crandall, Frank A., Chicago, Ill. Varnish and paint remover.....	43,751	June 7	110	1719
Crane and Backus, Oakland, Cal. Valves.....	43,794	Nov. 29	113	1412
Craw, Geo. R. (See Frost and Craw.).....				
Crew Levick Co., Philadelphia, Pa. Lubricating-oils.....	43,066	July 26	111	1032
Crocker & Brothers, A., San Francisco, Cal. Hosiery.....	42,958	July 5	111	293
Cronright, Wesley G., Pittsburg, Pa. Soda-water fountains.....	43,102	Aug. 2	111	1353
Crosby Mfg. Co., East Glastonbury, Conn. Woolen piece goods.....	42,004	Feb. 9	108	1579
Cross, John H., Lynn, Mass. Leather boots and shoes.....	41,854	Jan. 12	108	553
Crowell, Albert B., Minneapolis, Minn. Liquid solutions for cleansing the mucous membrane and pus cavities.....	43,731	May 31	110	1422
Crown Cork and Seal Co., Baltimore, Md. Bottle-closures.....	42,397	May 10	110	595
Crown Cork and Seal Co., Baltimore, Md. Bottle-closures.....	42,598	May 10	110	595
Crown Stamp Company, Philadelphia, Pa. Trading stamps.....	42,527	May 3	110	298
Cudahy Bros. Co., Cudahy, Wis. Lard, tallow, lard compounds, and substitutes for lard.....	41,870	Jan. 12	108	555
Cudahy Bros. Co., Cudahy, Wis. Lard, tallow, lard compounds, and substitutes for lard.....	41,871	Jan. 12	108	555
Cudahy Bros. Co., Cudahy, Wis. Lard, tallow, lard compounds, and substitutes for lard.....	41,872	Jan. 12	108	555
Cudahy Packing Company, Chicago, Ill., and South Omaha, Neb. Lard and lard compounds.....	42,304	Mar. 20	109	1332
Culecide Company, Boston, Mass. Combustible insect repellent.....	42,905	June 28	110	2504
Cumaleina Manufacturing Co., Crafton, Pa. Lotion to be applied to the face and hands.....	42,070	Feb. 16	108	1803
Cumberland Brewing Co. of Allegany County, Cumberland, Md. Lager-beer.....	43,441	Apr. 19	109	2164
Cushman & Denison Manufacturing Company, New York, N. Y. Paper-clips.....	42,425	Apr. 19	109	2164
Cyphers, Charles A., Buffalo, N. Y. Incubators and brooders.....	42,996	July 12	111	574
D. Goff & Sons, Pawtucket, R. I. Mercerized cotton braid.....	42,972	July 12	111	571
Dacus, James A., Covington, Tenn. Liniment.....	42,336	May 17	110	853
Daniel, Jack, Lynchburg, Tenn. Whiskies.....	42,663	May 24	110	1160
Daniel, Jack, Lynchburg, Tenn. Whiskies.....	42,664	May 24	110	1160
Daniels & Co., Geo. F., Boston, Mass. Certain named footwear.....	42,683	May 24	110	1162
Daniels & Co., Geo. F., Boston, Mass. Certain named footwear.....	42,684	May 24	110	1162
Daniels, John B., New York, N. Y. Chemical compound for certain named purposes.....	43,229	Aug. 23	111	2214
Dannelly, James, Dallas, Tex. Remedy for malaria.....	43,777	Nov. 29	113	1411
Davenport Ice Chipping Machine Co., Davenport, Iowa. Ice-chipping and ice-cutting machines.....	42,870	June 21	110	2220
Davidson, Joseph C., Bozeman, Mont. Harness-oil.....	43,051	July 19	111	800
Davidson Rubber Co., Boston, Mass. Rubber nipples.....	42,232	Mar. 8	109	545
Davis, Albert E., Liverpool, England. Baking-powder.....	43,925	Dec. 27	113	2497
Davis Bridahan Drug Co., Denver, Colo. Face creams and powders.....	42,728	May 31	110	1422
Davis, Francis W., Boston, Mass. Certain named cleansing preparations.....	42,838	June 21	110	2227
Davis Pharmaceutical Company, New York, N. Y. Syrup of guaiacol.....	42,419	Apr. 19	109	2162
Davis Pharmaceutical Company, New York, N. Y. Chemical compound with animal albumen and bromin.....	43,596	Oct. 25	112	2088
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,503	Apr. 26	109	2436
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,504	Apr. 26	109	2436
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,505	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,506	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,507	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,508	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,509	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,510	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,511	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,512	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,513	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	42,514	Apr. 26	109	2437
Davis Sewing Machine Co., Dayton, Ohio. Sewing-machines and attachments.....	43,388	Sept. 30	112	222
Davis Sewing Machine Company, Dayton, Ohio. Sewing-machines and attachments.....	43,660	Nov. 8	113	542
Dawson, Herbert, London, England. Photographic cameras and plates.....	42,692	May 24	110	1163
Dawson, Peter, Dufftown and Glasgow, Scotland. Scotch whisky.....	42,277	Mar. 22	109	1063
De Witt & Co., E. C., Chicago, Ill. Certain named medical preparations.....	43,026	July 19	111	800
Dean Brothers Steam Pump Works, Indianapolis, Ind. Pumping machinery, parts, and attachments.....	42,000	Feb. 2	108	1324
Dean, Henry S., London, England. Books made of textile fabric.....	42,227	Mar. 15	109	799
Dean, Henry S., London, England. Books made of textile fabric.....	42,228	Mar. 15	109	799
Deck, Jeanne L., New York, N. Y. Chemical compositions for certain named purposes.....	43,380	Sept. 20	112	721

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Deguingand & Son, E., London, England, and St. Claude, France. Brier pipes.	42,476	Apr. 26	109	2434
Del Monte Milling Co., San Francisco, Cal. Flour.	42,587	May 10	110	594
Denholm & McKay Co., Passaic, N. J., and Worcester, Mass. Certain named knitted underwear.	42,519	May 3	110	296
Dentiste Supply Company, New York, N. Y., and York, Pa. Porcelain teeth.	42,519	Feb. 16	108	1962
Deutschberger, Rose, Hartford, Conn. Tooth-wash and tooth-powder.	42,373	Apr. 12	109	1881
Dewar, Thomas R., London, England, and New York, N. Y. Spring-water for table use.	41,862	Jan. 12	108	554
Dexter, Lewis P., New York, N. Y. Gas-lamps.	42,866	June 21	110	2230
Dexter, Stephen B., Chicago, Ill. Composite material for making beverages.	42,076	Feb. 16	108	1864
Dexter Yarn Co., Pawtucket, E. I. Mercerized cotton yarns for embroidery, knitting, and crocheting purposes.	43,865	Dec. 20	113	2205
Di Nola, Leon, San Francisco, Cal. Remedies for asthma.	42,897	June 28	110	2503
Die Administration der Dr. Sulzberger'schen Armen- und Krankenstiftung, Salzgungen, Germany.	43,166	Aug. 16	111	1926
Die Administration der Dr. Sulzberger'schen Armen- und Krankenstiftung, Salzgungen, Germany.	43,166	Aug. 16	111	1926
Rheumatism-drops.	43,167	Aug. 16	111	1927
Digesto Coffee Company, New York, N. Y. Coffee.	43,590	Oct. 25	112	2087
Direct Coffee Company, Boston, Mass. Coffee.	42,403	Apr. 19	109	2160
Direct Coffee Company, Boston, Mass. Coffee.	42,403	Apr. 26	109	435
Disch, Charles, Brooklyn, N. Y. Bass-balls.	42,147	Feb. 23	110	2130
Dishinger and Marks, Toledo, Ohio. Popcorn molded into blocks or cakes.	43,492	Sept. 27	112	949
Doctor Blosser Company, Atlanta, Ga. Medicinal smoking preparation for curing certain named diseases.	42,576	May 10	110	593
Doctor Blosser Company, Atlanta, Ga. Medicinal smoking preparation for curing certain named diseases.	42,577	May 10	110	593
Dodge Manufacturing Company, Mishawaka, Ind. Certain named power-transmitting machinery.	42,462	Apr. 19	109	2166
Dodwell & Co., Ltd., London, England; Hong Kong, China; Portland, Oreg.; Tacoma, Wash.; Victoria and Vancouver, British Columbia; Yokohama and Kobe, Japan; Shanghai, Foochow, Hankow, China, and Ceylon. Wheat-flour.	43,825	Dec. 6	113	1700
Dolan Mercantile Company, Atchison, Kans. Tea.	42,300	Mar. 29	109	1332
Donat, Charles, Omaha, Nebr. Cigars.	42,775	June 7	110	1718
Donley and Co., Providence, R. I. Certain named jewelry.	42,059	Feb. 16	108	1862
Dorman Brothers, Philadelphia, Pa. Ingrain, damask, and Venetian carpets.	41,830	Jan. 12	108	552
Dorsch, Peter, Bridgeport, Conn. Sash-pulls.	42,334	July 12	111	570
Douglas, Chloe, Laurel, Nebr. Ointments and salves.	42,583	May 3	110	299
Dow, John C., Lynn, Mass. Certain named machine.	42,647	May 17	110	854
Dowd & Co., J. C., New York, N. Y. Certain named brushes.	43,445	Oct. 4	112	1206
Dr. A. C. Daniels, (Incorporated), Boston, Mass. Certain named external applications.	42,138	Feb. 23	108	2138
Dr. Gillette Medical Cabinet Company, Reading, Pa. Suspended wall medicine-chests.	42,678	May 24	111	1311
Dr. Haskins Company, Toledo, Ohio. Uric-acid solvent for certain named diseases.	42,133	Feb. 23	108	2138
Dr. Richards Dyspepsia Tablet Association, New York, N. Y. Medicines for cure of female complaints.	42,244	Mar. 15	109	801
Dr. Van Vleck Company, Jackson, Mich. Certain named plastic medicinal absorbents.	42,900	June 28	110	2594
Dreyfus, Leo, New York, N. Y. Medicinal tonic.	43,835	Dec. 13	113	1923
Du Bose, Edgar L., Port Arthur, Tex. Books.	41,882	Jan. 19	108	798
Duaei, Elsa, New York, N. Y. Skin-lotions.	41,930	Jan. 19	108	792
Dubuque Brewing & Malting Co., Dubuque, Iowa. Malt or malt tonic.	42,984	July 12	111	572
Duluth Brewing & Malting Co., Duluth, Minn. Lager-beer, ale, porter, and malt extract.	42,717	May 31	110	1421
Duluth Gas Engine Works, Duluth, Minn. Certain named machinery.	43,196	Aug. 16	111	1690
Duluth Medicine Company, Duluth, Minn. Medicine for the cure of certain named diseases.	42,446	Apr. 19	109	2164
Duncan & Stenz, New York, N. Y. Certain named silk goods.	42,034	July 5	111	293
Duncan & Stenz, New York, N. Y. Waterproof textile fabrics.	43,861	Dec. 20	113	2204
Dunham Manufacturing Company, New York, N. Y. Custard.	43,750	Nov. 22	113	1139
Dunkeson, Edward T., Odessa, Mo. Ointment for the cure of certain named diseases.	43,169	Aug. 16	111	1927
Duplex Envelope & Printing Co., Inc., Richmond, Va. Duplex or twin envelopes.	43,493	Oct. 4	112	1205
Duplex Manufacturing Company, St. Louis, Mo. Banjos and drumheads.	43,430	Oct. 4	112	1205
Dupont, William, Detroit, Mich. Healing powders, salves, and lotions.	43,479	Oct. 11	112	1471
Durable Wire Rope Co., Boston, Mass. Wire rope.	42,864	June 21	110	2230
Durkee, Charles D., New York, N. Y. Abrading and burnishing powders.	43,362	Sept. 13	112	435
E. Regensburg & Sons, New York, N. Y. Cigars.	43,561	Oct. 18	112	1742
E. B. Badger & Sons Co., Boston, Mass. Boilers for kitchen-ranges and steam-jacket kettles.	42,969	July 5	111	296
E. C. Atkins & Company, Indianapolis, Ind. Vegetable-slicers and kraut-cutters.	43,070	July 26	111	1032
E. C. De Witt & Co., Chicago, Ill. Preparations for alleviating and curing headache, neuralgia, colds, la grippe, and influenza.	43,448	Oct. 4	112	1207
E. S. Anthony Company, Fall River, Mass. Barley.	43,835	Dec. 13	113	1923
Eagle Manufact'g Co., Cleveland, Ohio. Metal and furniture polish.	41,954	Jan. 26	108	1045
Eagle & Phenix Mills, Columbus, Ga. Cotton fabric.	43,917	Dec. 27	113	2495
Eagleston, A. P. & E. L. Hyannis, Mass. Certain named woven textile fabrics.	43,437	Oct. 4	112	1205
East End Merchants Trading Stamp Association, Newark, N. J. Trading-stamps.	43,236	Sept. 6	112	244
East India Chemical Company, Huron, S. D., and St. Louis, Mo. Medicine for treatment of the blood and viscera.	42,892	June 28	110	2503
Eastern Granite Roofing Company, New York, N. Y. Certain named roofing material.	42,929	June 28	110	2506
Eastman Kodak Co., Rochester, N. Y. Photographic film.	42,860	June 21	110	2229
Eaton, Andrew L., New York, N. Y. Fasteners for belts for driving machinery.	42,648	May 17	110	854
Eckardt, Christian, Hanau, Germany. Dried and preserved fruit.	43,395	Sept. 20	112	723
Eclipse Pharmaceutical Company, Cambridge, Mass. Digestive tonics.	42,662	May 24	110	1160
Eddy Manufacturing Company, Worcester, Mass. Razor-strops.	43,546	Oct. 18	112	1741
Edgewood Distilling Company, Cincinnati, Ohio. Whisky.	43,140	Aug. 9	111	1619
Edison Portland Cement Company, Orange and New Village, N. J. Portland cement.	42,997	July 12	110	1174
Egyptian Remedy Co., Gardiner, Mass. Headache remedy or preparation in tablet form.	42,331	May 3	110	299
Eichengreen & Co., Baltimore, Md. Leather boots, shoes, and slippers.	42,100	Feb. 23	108	2134
Einstein, Julius, New York, N. Y. Shoe-laces.	42,435	Apr. 19	109	2163
Einstein, Wolff & Co., New York, N. Y. Specially-designed patterns of embroidery.	42,940	July 5	111	293
Eisen, William M., New York, N. Y. Arch-supporters.	43,211	Aug. 16	111	1932
Eisenkramer, Gustav, Boise, Idaho. Preparations for cleaning textile fabrics.	43,079	Aug. 2	111	1355
Elchert, Albinus A., New Riegel, Ohio. Salve.	43,377	Sept. 20	112	721
Elchert, Emma B., New York, N. Y. Creamy preparation for manicuring.	43,414	Sept. 27	112	950
Electric Appliance Co., Burlington, Kans. Electric belts.	41,953	Jan. 26	108	1046
Electric Candy Machine Co., Nashville, Tenn. Candy.	42,943	June 21	110	2228
Elgin National Watch Company, Chicago, Ill. Watches.	42,424	Feb. 9	108	1580
Elliot, Rudolph S., Philadelphia, Pa. Grease and moisture proof paper.	43,067	July 26	111	1032
Ellis, Arthur D., Monson, Mass. Woolen piece-goods.	43,724	Nov. 22	113	1137
Elson, Alfred W., Boston, Mass. Process pictures.	41,938	Jan. 26	108	1044
Ely, Marshall S., New York, N. Y. Knitted overshirts and knitted sweaters.	42,467	Apr. 26	109	2433
Embossed Wall Covering Co., Salem, N. J. Composition relief wall and ceiling coverings or decorations.	42,734	May 31	110	1423

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Emergency Accident Supply Co., Port Huron, Mich. Combination advertising emergency accident cabinet	43,386	Sept. 20	112	732
Emil Seelig A. G., Heilbronn, Germany, and Jersey City, N. J. Coffee substitutes	43,391	Mar. 31	110	1420
Empire Portland Cement Co., Warner, N. Y. Portland cement	42,453	Apr. 19	109	2165
English Iron Works Company, Kansas City, Mo. Steam-engines	42,604	May 10	110	596
Ensminger, Sarah E., Chicago, Ill. Liquid spray remedy for catarrh	43,027	July 19	111	800
Ericsson Telephone Co., New York, N. Y. Telephonic apparatus	43,933	Dec. 27	113	2457
Ern, C. Friedr., Wald, Germany. Razors	42,150	Feb. 23	108	2140
Ern, Carl F., Wald, Germany. Razors	42,460	Apr. 19	109	2166
Erste Wiener Export-Malzfabrik Hauser & Sobotka, Stadlau, Austria-Hungary. Certain named alimentary products	42,350	Aug. 30	111	2484
Eschmann, Frederick W. R., Yonkers, N. Y. Nutritive compound for invalids	41,979	Feb. 2	106	1321
Escoffier, Limited, London, England. Chutney, pickles, and sauces	42,976	July 12	111	571
Estorpe Drug Co., New Britain, Conn. Tonic or remedy for fever and ague	42,337	Apr. 5	109	1600
Evans, James, Springfield, Mo. Medicine for the cure of certain named diseases	43,307	Sept. 6	112	245
Evans, Powell, Philadelphia, Pa. Ventilators	43,850	Dec. 13	113	1963
Eveneden, James W., Buffalo, N. Y. Remedy for ear affections	42,896	June 28	110	2503
Ewart & Co., S., Pittsburg, Pa. Stogies or tobies	42,719	May 31	110	1421
*"Excelstor" Société Anonyme Commerciale, Industrielle et Maritime, Ostend, Belgium. Canned sardines and sprats	42,801	June 14	110	2007
*"Excelstor" Société Anonyme Commerciale, Industrielle et Maritime, Ostend, Belgium. Canned sardines and sprats	42,802	June 14	110	2008
*"Excelstor" Société Anonyme Commerciale, Industrielle et Maritime, Ostend, Belgium. Canned sardines and sprats	42,803	June 14	110	2008
*"Excelstor" Société Anonyme Commerciale, Industrielle et Maritime, Ostend, Belgium. Canned sardines and sprats	42,917	June 28	110	2505
F. Hoffmann-La Roche & Co., Basle, Switzerland. Tonic	43,512	Oct. 11	112	1473
F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather shoes	43,273	Sept. 6	112	243
F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather shoes	43,274	Sept. 6	112	242
F. A. Hardy & Co., Chicago, Ill. Nose-guards	42,137	Aug. 9	111	1618
F. A. Hardy & Co., Chicago, Ill. Opera-glasses	43,932	Dec. 27	113	2497
F. A. Patrick & Co., Duluth, Minn. Hosiery	43,077	Aug. 2	111	1355
F. A. Weck Co., San Francisco, Cal. Laxative medicine put up in concrete form	42,314	Mar. 8	109	544
F. E. Attau & Company, Boston, Mass. Dyestuffs derived from coal-tar products	42,043	Feb. 9	108	1382
F. O. Pierce Co., New York, N. Y. Color varnishes	43,783	Nov. 29	113	1412
F. B. Q. Clothing Co., New York, N. Y. Certain named ready-made clothing	42,202	Mar. 8	109	543
F. B. Q. Clothing Co., New York, N. Y. Certain named clothing	42,202	Mar. 22	109	1062
Faber, Eberhard, New York, N. Y. Lead-pencils	43,074	Aug. 2	111	1355
Fabriziafabrik Eisenach, Eisenach, Germany. Certain named horseless vehicles and parts thereof	42,562	May 3	110	802
Fairbanks Company, New York, N. Y. Packing for valve-joints	42,558	May 3	110	802
Fairchild Bros. & Foster, New York, N. Y. Tonics and bitters	41,819	Jan. 5	108	282
Fairchild Bros. & Foster, New York, N. Y. Tonics and reconstructives	42,628	May 17	110	852
Fairchild Bros. & Foster, New York, N. Y. Foods and reconstructives for invalids	42,394	Sept. 13	112	493
Falcon, Hector, Le Puy en Velay, France. Bottled wines	43,472	Oct. 1	112	1470
Farbenfabriken of Elberfeld Co., New York, N. Y. Antipyretic	41,927	Jan. 19	108	792
Farbenfabriken of Elberfeld Co., New York, N. Y. Antipyretic	42,140	Feb. 23	108	2139
Farbenfabriken of Elberfeld Co., New York, N. Y. Succedaneum for atropin	42,141	Feb. 23	108	2139
Farbenfabriken of Elberfeld Co., New York, N. Y. Photographic papers	42,312	Apr. 5	109	1599
Farbenfabriken of Elberfeld Co., New York, N. Y. Antineuralgic	43,416	Sept. 27	112	950
Farbenfabriken of Elberfeld Co., New York, N. Y. Antineuralgic	43,417	Sept. 27	112	950
Farbenfabriken of Elberfeld Co., New York, N. Y. Dyestuff	43,421	Sept. 27	112	950
Farbenfabriken of Elberfeld Co., New York, N. Y. Dyestuffs	43,946	Dec. 27	113	2499
Farbenfabriken of Elberfeld Co., New York, N. Y. Dyestuffs	43,947	Dec. 27	113	2499
Farbwerke-Vormals, Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Dyes	41,597	Jan. 12	108	553
Farbwerke vormals Meister, Lucius & Brüning, Höchst-on-the-Main, Germany. Medicine for the treatment of certain named diseases, &c	41,599	Oct. 18	112	1740
Felix & Willis, Chicago, Ill. Rubber sponges and brushes	43,693	Nov. 15	113	841
Fellows and Company, Troy, N. Y. Shirts, collars, and cuffs	43,017	July 19	111	739
Field, Fred F., Brockton, Mass. Certain named footwear and leather	42,636	May 24	110	1159
Finlay, Dicks & Co., Ltd., New Orleans, La. Certain named medicinal water	42,827	June 14	110	2010
Finley Acker Co., Philadelphia, Pa. Confectionery	43,994	Sept. 20	112	723
Finley Acker Company, Philadelphia, Pa. Cough-drops	43,883	Dec. 20	113	2207
Fish Chocolate Co., H. N., Boston, Mass. Certain named confectionery	42,625	May 17	110	852
Fisher, James E., Burnt House, Va. Washing fluid	43,060	July 25	111	1031
Fisk, Stephen M., Oklahoma, Okla. Terr. Certain named veterinary medicines	42,294	Mar. 29	109	1331
Fiske Brothers Refining Co., New York, N. Y. Substitute for turpentine	43,480	Oct. 11	112	1471
Fitch, Edwin A., New York, N. Y. Embroideries	42,750	June 7	110	715
Fleckenstein, Alfred C., Philadelphia, Pa. Rubbing-remedy	42,638	June 7	110	2338
Fleer & Co., Frank H., Philadelphia, Pa. Chewing-gum	42,113	Feb. 23	108	2139
Flemer, Lewis, Washington, D. C. Certain named medicinal compounds	43,884	Dec. 20	113	2207
Fleming, Birkby & Goodall, Limd., Halifax, England. Machine belts and belting	43,939	Dec. 27	113	2498
Fleming & Christian Co., Richmond, Va. Cider	42,809	May 24	110	1163
Flexible Rubber Goods Company, Wined, Conn. Certain named rubber goods	41,809	Jan. 5	108	281
Flinn, Fitz Allen, New York, N. Y. Certain named paper and envelopes	43,294	Sept. 6	112	243
Florence Manufacturing Co., Northampton, Mass.; New York, N. Y., and Chicago, Ill. Brushes for toilet purposes	41,833	Jan. 5	108	283
Flosilk Mattress Mfg. Co., New York, N. Y. Mattresses, pillows, and bolsters	43,153	Aug. 9	111	1620
Forestor Company, Duluth, Minn. Compound of resins and blossoms of forest-trees	43,597	Oct. 25	112	2088
Fort Scott Sugar & Sorghum Syrup Co., Fort Scott, Kans. Sorghum	42,841	June 21	110	2227
Fortier, Jean G. A., St. Paul, Minn. Playing-cards	42,735	June 14	110	2007
Foster-Milburn Co., Buffalo, N. Y. Ointments	43,570	Oct. 18	112	1743
Foster-Milburn Company, Buffalo, N. Y. Cathartic pills and tablets	43,819	Dec. 6	113	1699
Foster Rubber Company, Boston, Mass. Rubber heels and soles for boots and shoes	41,966	Feb. 2	108	1320
Postoria Glass Specialty Company, Postoria, Ohio, and Jersey City, N. J. Certain named glass specialties	43,800	Sept. 6	112	244
Foutz, Stanley A., Baltimore, Md. Stock and poultry food and condition-powders	43,945	Dec. 27	113	2499
Fowler, John E., Richmond, Va. Flavoring extracts	43,667	Nov. 8	113	543
Fowler, Rufus B., Worcester, Mass. Piano-pedals	42,642	May 17	110	854
Fowling, John W., Albion, Iowa. Antinarcotic medicines	41,411	Jan. 26	108	1044
Fox, Peter, Chicago, Ill. Bread, biscuits, crackers, and cakes	43,666	Nov. 8	113	542
Frank Disinfecting Co., P. M., New York, N. Y. Disinfectants	43,654	Nov. 8	113	541
Frank H. Fleer and Company, Philadelphia, Pa. Cigars	43,826	Dec. 6	113	1700
Frank, Henry C., New York, N. Y. Cuff-links	42,426	Apr. 19	109	2162
Frank Winch Company, Buffalo, N. Y. Ladies' dress-waists and suits	41,980	Apr. 26	109	2433
Frederick Stearns & Co., Detroit, Mich. Hemostatic, astringent, and cardiac stimulants	41,980	Feb. 2	108	1322

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Frederick Stearns & Co., Detroit, Mich. Germicides and antiseptics	41,981	Feb. 2	108	1322
Frederick Stearns & Co., Detroit, Mich. Syringes	42,018	Feb. 9	108	1580
French & Co., Samuel D., New York, N. Y. Waterproof dress fabrics	43,880	Dec. 13	113	1961
French & Co., Samuel D., New York, N. Y. Wool and cotton and wool dress fabrics	43,941	Dec. 27	113	2498
Frictionless Metal Co., Richmond, Va. Bearing metal	42,861	May 24	110	1163
Friedman, Rosen & Halperin, New York, N. Y. Ladies' shirt-waists	43,801	Dec. 6	113	1697
Fritsch, Frank M., Circleville, Ohio. Mop-wringers and buckets combined	42,741	May 31	101	1423
Frost, Peter L., and G. R. Oraw, Chicago, Ill. Razor-strops	42,886	Apr. 12	109	1882
Fuerth, George F., Detroit, Mich. Salves	43,062	July 26	111	1031
Fuller, Guy H., Columbus, Ohio. Medicinally-prepared tablets for certain named diseases	42,334	Apr. 5	109	1601
Fuller & Jones, New York, N. Y. Pills for purifying the blood	42,184	Mar. 1	109	272
G. & H. Barnett Company, Philadelphia, Pa. Files and rasps	42,256	Mar. 15	109	802
G. & J. Tire Company, New York, N. Y. Rubber tires for vehicles	43,103	Aug. 2	111	1358
Galban & Co., Jersey City, N. J., and Havana, Cuba. Flour	43,834	Dec. 13	113	1962
Gale, William H., Hamburg, N. Y. Chiblain cure and foot remedy	43,663	Nov. 1	113	273
Gallagher, William C., Philadelphia, Pa. Certain names knit goods	41,800	Jan. 5	108	280
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,312	Sept. 6	112	245
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,313	Sept. 6	112	245
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,314	Sept. 6	112	245
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,315	Sept. 6	112	245
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,316	Sept. 6	112	245
Gallaher Limited, Belfast, Ireland. Smoking-tobacco and cigarettes	43,317	Sept. 6	112	246
Gallinowsky, Hugo, Toronto, Canada. Composition of wood-dust and a cementing element	41,993	Feb. 2	108	1323
Gandy Belting Company, Baltimore, Md. Belting	43,350	Sept. 13	112	494
Gandy Belting Company, Baltimore, Md. Belting	43,351	Sept. 13	112	494
Gardner, A. F., New York, N. Y. Pills for purifying the blood	43,698	Nov. 15	113	842
Gardner, Lester D., New York, N. Y. Compounded beverages having tonic, appetizing, and stimulating properties	42,122	Feb. 23	108	2197
Gardner, Lester D., New York, N. Y. Prepared colors for printing and painting	42,339	Apr. 5	109	1601
Gardner, Lester D., New York, N. Y. Certain named medicinal preparations	42,450	Apr. 19	109	2165
Gardner, Lester D., New York, N. Y. Theatrical costumes	42,453	Apr. 26	109	2438
Garfield Tea Company, Brooklyn, N. Y. Medicine for relief of headache	42,126	Feb. 23	108	2197
Garfield Tea Company, Brooklyn, N. Y. Medicine for relief of indigestion	42,127	Feb. 23	108	2197
Garrettson & Co., F. P., New York, N. Y. Laundry soap	41,838	Jan. 5	108	284
Garson, William J., St. Louis, Mo. Catarrh cures	43,886	Dec. 20	113	2307
Garry Company, Chicago, Ill. Certain named furniture	43,935	Dec. 27	113	2498
Garza y Cia., Eleuterio de la, Coatepec, Mexico. Green coffee	43,033	July 26	111	1030
Gaumont & Co., L., Paris, France. Photographic apparatus	42,784	June 7	110	1719
Gaus, William, Wheeling, W. Va. Headache-powders	42,371	Apr. 12	109	1881
Gavitt, Harry E., Topeka, Kans. Playing-cards	42,353	Apr. 12	109	1879
Gavitt, Harry E., Topeka, Kans. Playing-cards	42,359	May 3	110	239
Gayetty, Harry K., New York, N. Y. Toilet-paper	43,618	Nov. 1	113	273
Gayner, John W., Salem, N. J. Glass fruit-jars and bottles	43,288	Sept. 6	112	245
Gem Cutlery Co., New York, N. Y. Razors and razor-blades	43,232	Aug. 23	111	2214
General Artificial Silk Company, Wilmington, Del. Artificial silk yarn	43,583	Oct. 25	112	2086
Genthiner Cartonpapier Fabrik, G. M. B. H., Berlin, Germany. Gold and bronze leaf	43,489	Oct. 11	112	1472
Genthiner Cartonpapier Fabrik, G. M. B. H., Berlin, Germany. Gold and bronze leaf	43,490	Oct. 11	112	1472
Geo. Ballantine & Son, Glasgow, Scotland. Whisky	42,176	Mar. 1	109	271
Geo. Benz & Sons, St. Paul, Minn. Whisky	43,397	Sept. 30	112	723
Geo. Borgfeldt & Co., New York, N. Y. Opera-glasses, field-glasses, and telescopes	42,145	Feb. 23	108	2139
Geo. Borgfeldt & Co., New York, N. Y. Opera-glasses, field-glasses, and telescopes	42,146	Feb. 23	108	2139
Geo. D. Witt Shoe Co., Lynchburg, Va. Leather boots and shoes	43,339	Sept. 6	112	244
Geo. E. Keith Company, Campello, Mass. Leather boots and shoes	41,967	Feb. 2	108	1320
Geo. E. Keith Company, Campello, Mass. Leather boots and shoes	43,498	Oct. 11	112	1472
Geo. R. Gibson Co., New York, N. Y. Brushes	43,816	Dec. 6	113	1698
George C. Batcheller & Co., New York, N. Y. Women's corsets	42,830	June 14	110	2049
George E. Keith Company, Brockton, Mass. Leather boots and shoes	42,436	Apr. 19	109	2163
George E. Keith Company, Brockton, Mass. Leather boots and shoes	42,878	June 28	110	2501
George H. White, Incorporated, Jersey City, N. J. Remedies for treatment of certain named diseases	42,133	Feb. 23	108	2137
Georgia Wood Fibre Plaster Company, Atlanta, Ga. Wall-plaster or plaster composition	43,425	Sept. 27	112	950
Gerson, Louis J., Philadelphia, Pa. Bronchial lozenges or throat-tablets	42,167	Mar. 1	109	270
Gerstendorfer Bros., New York, N. Y. Enamels	43,456	Oct. 4	112	1208
Gibson, George, Cambridge, Mass. Bridles and sets of harness	42,880	June 28	110	2501
Giesseman, Lida B., Dayton, Ohio. Hair-tonics	42,848	June 21	110	2328
Gilbert Manufacturing Company, New York, N. Y. Silk piece goods	41,802	Jan. 5	108	290
Gilbert Manufacturing Company, New York, N. Y. Cotton piece goods	43,339	May 10	110	992
Gilbert Son & Co., Murray, Ky. Chewing-tobacco	43,612	Nov. 1	113	273
Gilbert Son & Co., Murray, Ky. Chewing-tobacco	43,633	Nov. 1	113	275
Gilbert Son & Co., Murray, Ky. Chewing-tobacco	43,809	Dec. 6	113	1698
Gille, Ernest S., Boston, Mass. Leather boots and shoes	41,806	Jan. 5	108	281
Gill Brothers Company, Steubenville, Ohio. Glass lamp-chimneys, lantern-globes, and reflectors	41,997	Feb. 2	108	1320
Gill Brothers Company, Steubenville, Ohio. Lamp-chimneys	42,673	May 24	110	1161
Gille, Henry J. (See Clark and Gille.)				
Gillespie Brothers & Company, New York, N. Y. Lard	43,468	Oct. 11	112	1469
Gillet & Co., Martin, Baltimore, Md. Tea	43,353	Sept. 13	112	495
Gillet & Co., Martin, Baltimore, Md. Tea	43,354	Sept. 13	112	495
Gilluly & Bard, Port Allegany, Pa. Paint	42,380	Apr. 12	109	1882
Gladden Varnish Co., Cleveland, Ohio. Varnish	42,859	June 21	110	2329
Globe Butter Co., Providence, R. I. Butterine	42,836	June 14	110	2010
Globe Corset Company, Worcester, Mass. Corsets	41,730	Jan. 5	108	280
Gold Coin Stock Food Company, St. Paul, Minn. Prepared foods for poultry	42,804	June 14	110	2008
Goldberg, Solomon H., Chicago, Ill. Hair-pins	43,804	Dec. 6	113	1698
Golden Seal Manufacturing Company, Philadelphia, Pa. Stomach-bitters	42,690	May 24	110	1163
Goldsmith & Harzberg, Providence, R. I. Certain named jewelry	43,403	Sept. 27	112	949
Goodwin Car Company, Chicago, Ill. Railway-cars	43,954	Dec. 27	113	2500
Goodyear Rubber Company, St. Paul, Minn. Rubber boots and shoes	42,365	Apr. 12	109	1880
Gorham Rubber Company, San Francisco, Cal. Rubber belting	42,471	Apr. 26	109	2438
Gorham Rubber Company, San Francisco, Cal. Rubber packing	42,472	Apr. 26	109	2438
Gorham Rubber Company, San Francisco, Cal. Rubber packing	42,473	Apr. 26	109	2438
Gorham Rubber Company, San Francisco, Cal. Rubber packing	42,474	Apr. 26	109	2434
Gotham Chemical Co., New York, N. Y. Effervescent powder for certain named diseases	42,899	June 28	110	2503
Gould Coupler Co., New York, and Depew, N. Y. Car-couplings, car-buffers, draft-gears, and parts thereof	43,072	July 26	111	1032
Gourmet & Co., London, England. Composition soot-destroyers	42,067	Feb. 16	108	1865

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Gowan Medical Company, Durham, N. C. Remedy for pneumonia	42,484	Apr. 26	109	2434
Goyer Alliance Refining Company, Memphis, Tenn. Sugar, syrup, and molasses	43,838	Dec. 6	113	1700
Graaff & Co., Ges. mit Beschr. Haftung, Berlin, Germany. Chemical fire-extinguishers	43,571	Oct. 8	112	1744
Grasselli Chemical Company, Cleveland, Ohio. Soda-silicate	42,189	Feb. 23	108	2139
Grasser, Joseph M., Toledo, Ohio. Certain named articles of fiber composition	42,257	Mar. 15	109	802
Graton and Knight Manufacturing Company, Worcester, Mass. Leather belting	42,347	Apr. 5	109	1602
Graton and Knight Manufacturing Company, Worcester, Mass. Leather belting	43,407	Sept. 27	112	949
Graves & Fry, Navasota, Tex. Chemical compound for a certain named purpose	43,655	Nov. 9	113	511
Green & Co., C. E., Manchester, N. H., and Boston, Mass. Leather boots and shoes	42,354	Mar. 22	109	1062
Green & Co., C. E., Manchester, N. H., and Boston, Mass. Leather boots and shoes	42,265	Mar. 22	109	1062
Green, Frank P., New York, N. Y. Sewing-machines and attachments	43,260	Aug. 30	111	2485
Green-Wheeler Shoe Company, Fort Dodge, Iowa. Fine kid shoes	42,757	June 7	110	1716
Greenstein, Simon & Leerburger, New York, N. Y. Coats, vests, pantaloons, and overcoats for boys	42,915	June 29	110	2505
Greenville Medicine Company, Greenville, S. C. Certain named medicines	42,481	Apr. 26	109	2434
Gregory, Cook & Co., Duluth, Minn., and Superior, Wis. Wheat-flour	43,767	Nov. 29	113	1410
Grierson, David, Buffalo, N. Y. Oat-cake	43,319	Sept. 6	112	246
Griffon Company, New York, N. Y., and Frankford, Pa. Cloth	43,244	Aug. 30	111	2484
Griffon Company, New York, N. Y. Rain-proof textile fabrics	43,272	Sept. 6	112	242
Griswold, Frederick H., Springfield, Mass. Culinary vessels	43,559	Oct. 25	112	2088
Gruber Almanack Co., Hagerstown, Md. Almanacs	42,192	Mar. 8	109	542
Gruber Almanack Co., Hagerstown, Md. Almanacs	42,193	Mar. 8	109	542
Gude & Co., Dr. A., Leipzig, Germany. Remedies for the cure of anemia, chlorosis, and similar troubles	41,920	Jan. 19	108	791
Gude & Co., Dr. A., Leipzig, Germany. Remedies for the cure of anemia, chlorosis, and similar troubles	41,921	Jan. 19	108	792
Gude & Co., Dr. A., Leipzig, Germany. Remedies for the cure of anemia, chlorosis, and similar troubles	41,922	Jan. 19	108	792
Gude & Co., Dr. A., Leipzig, Germany. Remedies for the cure of anemia, chlorosis, and similar troubles	41,923	Jan. 19	108	792
Gude & Co., Dr. A., Leipzig, Germany. Remedies for the cure of anemia, chlorosis, and similar troubles	41,924	Jan. 19	108	792
Guhl & Harbeck, Hamburg, Germany. Pencil-sharpeners	43,331	Aug. 23	111	2214
Guitar, John Jr., Abilene, Tex. Cooking fats and oil	42,023	Feb. 9	108	1580
Guterman Bros., St. Paul, Minn. Cutting-shirts for men and women	43,913	Oct. 27	113	2493
Gustafson, Frank O., Brockton, Mass. Soap	42,835	June 21	110	2826
Gutchess, Frank L., Toledo, Ohio. Medicinal oils	42,634	May 17	110	853
H. Krantz Manufacturing Co., New York, N. Y. Certain named electrical devices	42,641	May 17	110	853
H. D. Smith & Co., Plantsville, Conn. Carriage-makers' hardware	42,398	Apr. 19	109	2159
H. J. Blodgett Co., Inc., Boston, Mass. Powder for use in making ice-cream	41,825	Jan. 5	108	283
H. J. Blodgett Co., Inc., Boston, Mass. Gelatin and a powder for use in making gelatins	42,020	Feb. 9	108	1580
H. J. Blodgett Company, Boston, Mass. Maple-sugar and maple-syrup	43,923	Dec. 27	113	2496
H. J. Blodgett Company, Boston, Mass. Maple-sugar and maple-syrup	43,924	Dec. 27	113	2496
H. K. Mulford Co., Philadelphia, Pa. Product of the active principle of the suprarenal gland	41,916	Jan. 19	108	791
H. K. Mulford Co., Philadelphia, Pa. Predigested beef	42,303	Mar. 29	109	1532
H. N. Strait Mfg. Co., Kansas City, Kans., and Dallas, Tex. Weighing-scales and weighing-machines	43,104	Aug. 2	111	1358
H. & W. Company, Newark, N. J. Children's underwaists	42,229	Mar. 15	109	799
Hakins, George B., Norwood, N. Y. Certain named medical preparations	43,375	Sept. 30	112	721
Hall & Co., Martin L., New York, N. Y. Certain named fruits and vegetables	42,021	Feb. 9	108	1580
Hall, Oliver W., New York, N. Y. Dentifrice or tooth-cream	42,985	July 12	111	373
Hamilton, Brown Shoe Co., St. Louis, Mo. Ladies' leather shoes	43,640	Nov. 8	113	540
Hamilton, Brown Shoe Co., St. Louis, Mo. Leather shoes	43,718	Nov. 15	113	844
Hamilton, James E., Hartford, Conn. Nut-crackers	42,427	Apr. 19	109	2162
Hammer, Delius & Co., New York, N. Y. Steel in bars and sheets	42,002	Feb. 2	108	1323
Hanford Produce Company, Sioux City, Iowa. Butter	42,024	Feb. 9	108	1580
Hansen, Charles S. T., Philadelphia, Pa. Salve	41,860	Jan. 12	108	553
Hansen's Empire Fur Factory, Milwaukee, Wis. Fur coats, jackets, robes, and wraps	42,316	Apr. 5	109	1599
Hanson, Robert A., Buffalo, N. Y. Liniment	43,702	Nov. 15	113	842
Hardsoeg, Martin, Ottumwa, Iowa. Pneumatic rock-drills and hammers	42,907	June 28	110	2504
Hardtmuth, L. & C., Vienna and Budweis, Austria-Hungary, and London, England. India-rubber pencil-erasers	41,847	Jan. 12	108	552
Hardtmuth, L. & C., Vienna and Budweis, Austria-Hungary, and London, England. Lead-pencils	42,354	Apr. 12	109	1879
Hardtmuth, L. & C., Vienna and Budweis, Austria-Hungary, and London, England. Pencils	42,608	May 17	110	851
Hardy, Charles S., San Diego, Cal. Certain named substitute for lard	43,110	Aug. 2	111	859
Harmon S. Palmer Hollow Concrete Building Block Co., Washington, D. C. Machines for making artificial-stone building-blocks	42,790	June 7	110	1720
Harmon S. Palmer Hollow Concrete Building Block Co., Washington, D. C. Machines for making artificial-stone building-blocks	42,791	June 7	110	1720
Harmon S. Palmer Hollow Concrete Building Block Co., Washington, D. C. Machines for making artificial-stone building-blocks	42,792	June 7	110	1720
Harmon S. Palmer Hollow Concrete Building Block Co., Washington, D. C. Machines for making artificial-stone building-blocks	42,793	June 7	110	1720
Harrier and Company, P. O., Valley Neb. Remedy for the prevention and cure of hog-cholera	43,339	Sept. 13	112	493
Harris Suspendor Co., New York, N. Y. Suspendor-buckles	43,927	Dec. 27	113	2496
Harris Suspendor Co., New York, N. Y. Certain named garment-supporters	43,176	Aug. 16	111	1928
Harrison, Frank, Norfolk, Va. Washing compound	42,104	Feb. 23	108	2135
Hart & Co., Theodore H., Philadelphia, Pa. Cigars	41,969	Feb. 2	108	1324
Hart & Co., Theodore H., Philadelphia, Pa. Cigars	43,836	Dec. 13	113	1962
Hart Mfg. Co., Cleveland, Ohio. Die-stocks for pipes, bolts, rods, and tubing	43,389	Sept. 20	112	723
Hartford Rubber Works Company, Hartford, Conn. Rubber tires for vehicles	43,459	Oct. 4	112	1298
Harting, George L., Philadelphia, Pa. Fruit jellies and preserves	42,234	Mar. 15	109	800
Hartman, Samuel E., Columbus, Ohio. Medical magazines	43,460	Oct. 11	112	1469
Hartmann, Franz, Detmold, Germany. Non-alcoholic fruit drinks	43,736	Nov. 22	113	1138
Hartmann, Franz, Detmold, Germany. Non-alcoholic fruit drinks	43,927	Nov. 22	113	1138
Hartmann, Franz, Detmold, Germany. Non-alcoholic fruit drinks	42,879	Dec. 20	113	2206
Hartmann Trunk Company, Racine, Wis. Certain named receptacles	42,252	Mar. 15	109	801
Harts Medicine Co., Lincoln, Ill. Syrup for coughs, colds, and la grippe	42,036	Feb. 9	108	1582
Harts Medicine Co., Lincoln, Ill. Tonic and laxative medicines	42,037	Feb. 9	108	1582
Haskell, Nelson D., Buffalo, N. Y. Cathartics or laxatives	43,243	Aug. 23	111	2216
Hatem, Nahoum, New York, N. Y. Razors	42,148	Feb. 23	108	2140
Hauff Ice Cream Company, New Haven, Conn. Ice-cream and frozen puddings	42,116	Feb. 23	108	2136
Haugwitz, George, Philadelphia, Pa. Candy	43,873	Dec. 20	113	2206
Haugwitz, George, Philadelphia, Pa. Candy	43,874	Dec. 20	113	2206
Haugwitz, George, Philadelphia, Pa. Candy	43,875	Dec. 20	113	2206

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Hausman Drug Co., Trinidad, Colo. Corn cure	42,575	May 10	110	598
Heath & Krises, New York, N. Y. Hats	43,888	Dec. 13	113	1961
Haffer, Louis, New York, N. Y. Boxes	43,194	Aug. 16	110	1880
Heineken, Christian W., Jersey City, N. J. Certain named toilet preparation	42,338	Apr. 5	109	1601
Heinrich, Charles, New York, N. Y. Hair growns and preservers	43,781	Nov. 29	113	1411
Heinrich, Charles, New York, N. Y. Polishing compounds for sad-irons	43,782	Nov. 29	113	1411
Hench & Dromgold Co., York, Pa., and New York, N. Y. Corn-planters and grain-drills	42,970	July 5	111	296
Hench & Dromgold Company, York, Pa., and New York, N. Y. Plows, harrows, and cultivators	43,039	July 19	111	801
Hench & Dromgold Company, York, Pa., and New York, N. Y. Sawmills operated by steam-engines	43,040	July 19	111	801
Henry Milward & Sons, Limited, Redditch, England. Fish-hooks and fishing-tackle	42,458	Apr. 19	109	2165
Henry Milward & Sons, Limited, Redditch, England. Certain named needles and pins, bodkins, and crochet-hooks	42,459	Apr. 19	109	2166
Henry Milward & Sons, Limited, Redditch, England. Certain named needles and pins, bodkins, and crochet-hooks	43,444	Oct. 4	112	1206
Herkuleswerke, Corsett- und Spiralfeder-Fabriken, G. M. B. H., Oberkaufungen, near Cassel, Germany. Corsets, corset-steels, and busks	43,606	Nov. 1	113	272
Hermamos, Rodrigues B., Havana, Cuba, and New York, N. Y. Cigars	41,970	Feb. 2	108	1320
Herold Company, Milwaukee, Wis. Periodicals	43,576	Oct. 25	112	2085
Herpelco Co., Detroit, Mich. Hair remedy	43,305	Aug. 16	110	1881
Herring-Hall-Marvin Safe Co., New York, N. Y., and Hamilton, Ohio. Safes	43,216	Aug. 16	111	1932
Herz, Gustave L., New York, N. Y. Certain named automobile accessories	43,334	Sept. 6	112	246
Hess-Bright Manufacturing Co., Philadelphia, Pa. Ball-bearings	43,293	Sept. 6	112	243
Hess, Kate E., Chicago, Ill. Internal remedies for female complaints	42,629	May 17	110	853
Heusch & Cie., Hugo, Aix-la-Chapelle, Germany. Certain named pins	43,304	Sept. 6	112	244
Heusch & Cie., Hugo, Aix-la-Chapelle, Germany. Certain named needles	43,409	Sept. 27	112	949
Hickley, Arthur S., Sydenham, England. Lubricating compound for electrical commutators	43,621	Nov. 1	113	274
Hickox, James M., Two Harbors, Minn. Remedy for malaria	43,700	Nov. 15	113	842
Hicks, Lee, Memphis, Tenn. Salve for certain named diseases	43,095	Aug. 2	111	1357
Hobbs & Co., A. J., Milwaukee, Wis. Perfumery extracts and essences and toilet waters	42,433	Mar. 8	109	544
Hiram Walker Sons, Limited, Waterville, Canada, and Detroit, Mich. Whisky	42,385	Apr. 12	109	1882
Hirsch & Spitz Manufacturing Co., Atlanta, Ga. Mattresses, cushions, and couches	43,160	Aug. 16	111	1926
Herz Brothers, New Haven, Conn. Waterproof textile fabrics	42,876	June 25	110	2501
Hitz, Oscar H., Oshkosh, Wis. Salve	43,242	Aug. 23	111	2216
Horn, Frank, Topeka, Kans. Certain named proprietary medicines	41,918	Jan. 19	108	791
Hockaday Hardware Company, Wichita, Kans. Pocket-knives	42,151	Feb. 23	108	2140
Hodges, Arthur J., Carroll, Iowa. Numerical card game	43,689	Nov. 15	113	841
Hodges Fiber Carpet Co., New York, N. Y. Certain named woven fabrics	42,393	Apr. 19	109	2159
Hodges, Margaret M., Baltimore, Md. Certain named cleansing compounds	42,885	June 28	110	2502
Hoffmann, Ernst G., Dreiskau, Germany. Balls, ball-bearings, and machine parts in which they are used	43,088	July 19	111	801
Hoffmann-La Roche & Co., F., Basle, Switzerland. Remedy for cutaneous diseases	42,205	Mar. 29	109	1331
Hoffmann-La Roche & Co., F., Basle, Switzerland. Tonic	43,564	Oct. 18	112	1742
Hoffmann-La Roche & Co., F., Basle, Switzerland. Remedy for diseases of the heart	43,593	Oct. 25	112	2087
Hoffmann-La Roche & Co., F., Basle, Switzerland. Soporific	43,504	Oct. 25	112	2087
Hogan, Percy F., New York, N. Y. Bar, sheet, or forged steel	42,156	Feb. 23	108	2149
Holden, William F., Winona, Minn. Cough cure	43,142	Aug. 9	111	1619
Holland, Stanley R., St. Louis, Mo. Prepared roofing	42,279	Mar. 22	109	1064
Holland, Thomas O., Philadelphia, Pa. Playing-cards	43,788	Oct. 25	112	2086
Hollandsche Cacao-En Chocoladefabrieken v/h. Benschdorp & Co., Amsterdam, Netherlands. Cocoa-powder and cakes of chocolate	42,582	May 10	110	594
Hollister, Georgia T., New York, N. Y. Remedies for certain named diseases	43,336	Sept. 13	112	493
Holmes, David G., New York, N. Y. Cleansing compound	42,042	Feb. 9	108	1582
Holmes Metallic Packing Co., Wilkesbarre, Pa. Metallic packing	42,786	June 7	110	1719
Holst & Sohn, Wilhelm, Wandsbeck, near Hamburg, Germany. Fruit-lemonade	41,863	Jan. 12	108	554
Holt-Morgan Mills, Fayetteville, N. C. Gingham	42,462	May 24	110	1159
Holway, William C., Chicago, Ill. Liquid cure for rheumatism	42,055	Feb. 9	108	1582
Holz & Hayes, New York, N. Y. Dress goods in the piece	43,032	Oct. 18	112	1742
Hopper & Co., J. H., New York, N. Y. Developing agent for developing photographic plates	42,671	May 24	110	1161
Horn Co., Henry J., Buffalo, N. Y. Wall-plaster	43,455	Oct. 4	112	1208
Horst, Jacob, Mexico, Mexico, Ohio. Remedies for certain named disease	42,415	Apr. 19	109	2161
Houston, James A., Boston, Mass. Corsets	42,362	Apr. 12	109	1880
Hovey & Co., C. F., Boston, Mass. Dress-shields	43,435	Oct. 4	112	1205
Howell, Augustus T., Winfield, W. Va. Scouring and cleaning compounds	43,870	Dec. 20	113	2205
Hubbard Milling Company, Mankato, Minn. Wheat-flour	43,080	Aug. 2	111	1355
Hubbard Milling Company, Mankato, Minn. Wheat-flour	43,081	Aug. 2	111	1355
Hubbard Milling Company, Mankato, Minn. Wheat-flour	43,082	Aug. 2	111	1356
Hubbard Milling Company, Mankato, Minn. Wheat-flour	43,083	Aug. 2	111	1356
Huber, Joseph M., New York, N. Y. Printing-ink	42,858	June 21	110	2229
Hudnut, Richard, New York, N. Y. Perfumes in solid, liquid, and powdered form	42,442	Apr. 19	109	2164
Hudnut, Richard, New York, N. Y. Perfumes in solid, liquid, and powdered form	42,443	Apr. 19	109	2164
Hudson Bay Knitting Co., Montreal, Canada. Gloves and mittens	42,613	May 10	110	851
Huff and Wedge, New York, N. Y. Cleaning compounds	41,913	Jan. 19	108	791
Huett, Arthur G., Phoenix, Ariz. Ter. Extracts and syrups for use with beverages	42,432	Sept. 27	112	949
Hume & Freeman, Olney, Ill. Liniment	42,337	Apr. 5	109	1601
Hunt Leather Goods Co., Westboro, Mass. Leather bags	41,805	June 7	110	1717
Inard, William E., Cleveland, Ohio. Remedies for certain named diseases	42,475	Oct. 1	112	1470
Hyams, Alexander, London, England. Cigarettes	43,531	Oct. 18	112	1730
Hydatso Mineral Water Company, Tower City, N. D. Mineral waters	43,055	July 26	111	1080
I. B. Kleinhert Rubber Co., New York, N. Y. Golf-balls	41,996	Feb. 9	108	1582
I. B. Kleinhert Rubber Co., New York, N. Y. Stone-channels	42,065	Feb. 16	108	1682
I. B. Kleinhert Rubber Company, New York, N. Y. Hose-supporters	42,610	May 17	110	851
Illinois Sewing Machine Company, Rockford and Chicago, Ill. Sewing-machines and parts thereof	42,429	Apr. 19	109	2163
Illinois Sewing Machine Company, Rockford and Chicago, Ill. Sewing-machines and attachments	43,176	Aug. 16	111	1928
Immune Mfg. Co., Providence, R. I. Disinfectants and disease preventives	42,165	Mar. 1	109	270
Imperial Varnish Works, Newark, N. J. Insulating-varnishes	43,784	Nov. 29	113	1412
Independent Starch Co., New York, N. Y. Certain named corn products	42,632	May 17	110	852
Independent Starch Co., New York, N. Y. Certain named corn products	42,623	May 17	110	852
Ingersoll-Sergeant Drill Co., New York, N. Y. Rock-drilling machinery and tools	42,397	Apr. 19	109	2159
Ingersoll-Sergeant Drill Co., New York, N. Y. Rock-drilling machinery and tools	43,106	Aug. 2	111	1358
Ingersoll-Sergeant Drill Co., New York, N. Y. Pneumatic tools	43,107	Aug. 2	111	1358
Inman, Pratt C., San Rafael, Cal. Massage-cream	43,605	Dec. 6	113	1608
Interlocking Fence Company, Morton, Ill. Wire fence	43,149	Aug. 9	111	1620

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International Acheson Graphite Co., Niagara Falls, N. Y. Graphite paint.	43,680	Nov. 8	113	541
International Cheese Company, Cooperstown, N. Y. Cheese.	42,547	May 8	110	300
International Cresooting & Construction Co., Galveston, Beaumont, and Texarkana, Tex. Wood-preservative.	43,931	Dec. 27	113	2497
International Food Co., Minneapolis, Minn. Baking-powder.	41,977	Feb. 2	108	1323
International Harvester Company of America, Chicago, Ill. Ropes, cords, twine fiber, twine, and binder-twine.	42,103	Feb. 23	108	2185
International Harvester Company of America, Chicago, Ill. Ropes, cords, twine fiber, twine, and binder-twine.	42,258	Mar. 15	109	802
International Harvester Company of America, Chicago, Ill. Certain named agricultural machines and extra and repair parts and pieces therefor.	42,871	June 21	110	2230
International Harvester Company of America, Chicago, Ill. Certain named agricultural machines and extra and repair parts and pieces therefor.	42,872	June 21	110	2230
International Harvester Company of America, Chicago, Ill. Certain named agricultural machines and extra and repair parts and pieces therefor.	43,238	Aug. 23	111	2315
International Harvester Company of America, Chicago, Ill. Certain named agricultural machines and extra and repair parts and pieces therefor.	43,742	Nov. 22	113	1138
International Paste & Polish Co., Knoxville, Tenn. Certain named shoe-polishes.	42,847	June 21	110	2223
International Shirt and Collar Co., Troy, N. Y. Shirts, collars, and cuffs.	41,910	Jan. 19	108	791
International Shirt and Collar Co., Troy, N. Y. Shirts, collars, and cuffs.	42,937	July 5	111	233
International Talking Machine Co., Berlin, Germany. Machines for receiving and reproducing sounds, parts thereof, and accessories for same.	41,875	Jan. 12	108	555
International Textbook Company, Scranton, Pa. Certain named educational publications.	42,607	May 17	110	851
Iowa Medicine Co., Keokuk, Iowa. Extracts and essences.	42,177	Mar. 1	109	271
Iowa Medicine Co., Keokuk, Iowa. Certain named remedies.	42,416	Apr. 19	109	2161
Ireland Bros., Limited, Belfast, Ireland. Table and household linens and other linen fabrics.	42,313	Apr. 5	109	1599
Ireson, Charles L., Boston, Mass. Certain named belting.	42,810	June 14	110	2008
Ireson, Charles L., Boston, Mass. Certain named belting.	43,068	July 26	111	1032
Ivers & Pond Piano Co., Boston, Mass. Pianos.	43,427	Sept. 27	112	850
Ivers & Pond Piano Co., Boston, Mass. Pianos.	43,711	Nov. 15	113	843
Ives Company, Philadelphia, Pa. Muffins.	43,751	Nov. 22	113	1139
Ives, Frank O., Cheshire, Conn. Soap.	41,899	Jan. 19	108	790
Ivins' Sons, J. S., Philadelphia, Pa. Cake.	43,310	Sept. 6	112	245
J. C. Grant Chemical Co., East St. Louis, Ill. Bicarbonate of soda.	43,378	Sept. 20	112	721
J. C. Grant Chemical Company, East St. Louis, Ill. Baking-powder.	43,045	July 19	111	832
J. & F. Bell, Ltd., Glasgow, Scotland. Smoking-tobacco and cigarettes made therefrom.	42,438	Apr. 19	109	2163
J. F. Parkhurst & Son Co., Bangor, Me. Trunks.	43,575	Oct. 18	112	1744
J. F. Zahm Tobacco Co., Toledo, Ohio. Tobacco adapted either for smoking or chewing.	43,877	Dec. 20	113	2306
J. F. Zimmer Company, Chicago, Ill. Leather boots and shoes.	42,939	July 5	111	238
J. H. Williams and Company, Brooklyn, N. Y. Pipe-wrenches and pipe-vises.	42,226	Mar. 1	109	548
J. & J. Colman, Limited, London, England. Mustard.	43,441	Oct. 4	112	1306
J. J. Saville & Company Limited, Sheffield, England. Speed cutting steel and tools made therefrom.	43,235	Aug. 23	111	2315
J. N. Richardson Sons & Owden, Ltd., Belfast, Ireland, and New York, N. Y. Linen, including damask.	43,918	Dec. 27	113	2496
J. P. Eustis Manufacturing Co., Boston, Mass. Certain named receptacles for bath-rooms and lavatories.	42,224	Mar. 8	109	545
J. P. Hartray Shoe Co., Chicago, Ill. Leather shoes.	41,807	Jan. 5	108	281
J. S. McCormick Co., Pittsburg, Pa. Foundry-facings.	42,185	Mar. 1	109	272
J. S. McCormick Co., Pittsburg, Pa. Foundry-facings.	42,186	Mar. 1	109	272
Jackson Skirt & Novelty Co., Jackson, Mich. Underskirts.	42,932	July 5	111	233
Jacobs' Pharmacy Co., Atlanta, Ga. Certain named toilet preparations.	43,854	Dec. 13	113	1964
Jäger, Carl, Düsseldorf, Germany. Certain named chemicals.	42,175	Mar. 1	109	271
Jäger, Carl, Düsseldorf-derendorf, Germany. Synthetic or anilin colors for printing purposes.	42,423	Apr. 19	109	2162
James Chemical Co., Columbus, O. Antiseptic for certain named diseases.	43,780	Nov. 29	113	1411
James, Julia A., Evergreen, Colo. Remedy for certain named diseases.	42,929	Apr. 5	109	1601
James Pascall Limited, London, England. Confectionery.	43,533	Oct. 18	112	1740
James Saunders & Co., Limited, London, England. Whisky.	43,513	Oct. 11	112	1474
Janowitz, Julius, New York, N. Y. Corset-bones.	42,430	Apr. 19	109	2163
Javril Co., Ltd., Battlecreek, Mich. Artificial or substitute coffee.	42,119	Feb. 23	108	2130
Jeffery's Patent Marine Glue Works, London, England. Marine glue and pitch.	42,813	June 14	110	2009
Jem Shade Holder Co., New York, N. Y. Lamp-shade holders for electric lamps.	41,810	Jan. 5	108	281
Jenkins, Benjamin S., Conklingville and New York, N. Y. Washboards.	42,645	May 17	110	854
Jenkins, Eldridge L., Harris county, Tex. Remedy for eczema.	43,840	Dec. 13	113	1962
Jennings, Charles H., Abingdon, Va. Remedy for sore throat, tonsillitis, and diphtheria.	43,165	Aug. 16	111	1926
Jessop, Charlotte A. S., Cambridge, Mass. Tea.	42,120	Feb. 23	108	2137
Jewell Belting Co., Hartford, Conn. Belting.	42,163	Mar. 1	109	270
Jewell Belting Co., Hartford, Conn. Belting.	42,557	May 8	110	302
Jewell Belting Co., Hartford, Conn. Rubber belting.	43,520	Oct. 11	112	1474
Jewell Belting Co., Hartford, Conn. Rubber belting.	43,624	Nov. 1	113	374
Jewell Belting Co., Hartford, Conn. Rubber tires.	43,741	Nov. 22	113	1138
Jeyes' Sanitary Compounds Company, Limited, London, England. Antiseptic and disinfecting preparations.	42,485	Apr. 26	109	2435
Jiménez & Escobar, New York, N. Y. Fever-pills.	43,253	Aug. 30	111	2485
John A. Roeliger's Sons Co., New York, N. Y. Coffee.	41,844	Jan. 5	108	255
John Finn Metal Works, San Francisco, Cal. Certain named bearing metals.	41,877	Jan. 12	108	554
John Finn Metal Works, San Francisco, Cal. Certain named bearing metals.	41,878	Jan. 12	108	556
John Finn Metal Works, San Francisco, Cal. Certain named metals.	41,879	Jan. 12	108	556
John Pullman & Co., New York, N. Y. Handkerchiefs.	43,041	July 19	111	801
John Pullman & Co., New York, N. Y. Embroidered faces and neckwear.	43,325	Aug. 1	111	1617
John Pullman & Co., New York, N. Y. White goods in the piece.	43,325	Sept. 13	112	492
John Wyeth & Brother, Incorporated, Philadelphia, Pa. Organic salts of silver.	42,614	May 17	110	851
John Wyeth & Brother, Incorporated, Philadelphia, Pa. Pharmaceutical preparations.	42,987	July 12	111	573
Johnson Bros., Greenspring, Ohio. Mineral water.	43,184	Aug. 16	111	1929
Johnson, De Witt C., New York, N. Y. Coffee.	43,562	Oct. 12	112	1743
Johnson, George W., Mexico, Mexico. Antifebrin for all classes of germ fevers.	43,887	Dec. 30	113	2207
Johnson, Mary E., Fitchburg, Mass. Revolvers.	43,451	Oct. 4	112	1307
Jonas Brook & Bros., Ltd., Meltham, England. Sewing-thread.	42,162	Mar. 1	109	270
Jones, Charles E., Springfield, Mo. Medical tablet for certain named diseases.	43,079	Nov. 8	113	544
Jones, Emanuel M., Santa Cruz, Cal. Salves, Herford, and hair-food.	43,263	Dec. 20	113	2208
Jones, Frank G., Boston, Mass. Leather boots and shoes and leather for same.	42,366	Apr. 12	109	1880
Jones, Frank G., Boston, Mass. Leather boots and shoes and leather for same.	42,367	Apr. 12	109	1880
Jones Improved Loose Leaf Specialty Co., Chicago, Ill. Certain named book-leaves.	43,037	Dec. 27	113	2498
Jones, William A., West Kirby, England. Bread, biscuits, and cakes made of dried bananas and cereals.	42,112	Feb. 23	108	2136
Jones, William A., New York, N. Y. Bread, biscuits, and cakes made from bananas.	42,409	Apr. 19	109	2161

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Joseph D. Brown Chemical Company of Baltimore City, Baltimore, Md. Ointment.....	49,063	July 26	111	1031
Joseph Heap & Sons, Limited, Liverpool, England. Rice.....	41,829	Jan. 5	108	288
Joseph Porritt & Sons, Helmsheore, England. Paper-makers' feltings.....	42,824	June 14	110	290
Joy, Langdon & Co., Boston, Mass., and New York, N. Y. Certain named dress goods.....	42,281	Apr. 19	109	2163
Judge Company, New York, N. Y. Periodicals.....	42,748	June 7	110	1715
Julian & Kokenge Co., Cincinnati, Ohio. Leather boots and shoes.....	41,855	Jan. 12	108	553
Kalle & Co., Biebrich-on-the-Rhine, Germany. Soporifics.....	43,656	Nov. 8	113	541
Kallman, Max M., London, England. Papers, envelopes, and blank books.....	43,156	Aug. 16	111	1926
Kallman, Max M., London, England. Papers, envelopes, and blank books.....	43,684	Nov. 8	113	544
Kampa Company, Washington, D. C. Certain named compound or preparation.....	43,511	Oct. 11	112	1473
Kampfe Bros., New York, N. Y. Razor-strops.....	42,599	May 10	110	596
Kampfe Bros., New York, N. Y. Razor-strops.....	42,600	May 10	110	596
Kampfe Bros., New York, N. Y. Razors and razor-blades.....	42,782	June 7	110	1719
Kampfe Bros., New York, N. Y. Razors and razor-blades.....	42,783	June 7	110	1719
Kampfe Bros., New York, N. Y. Certain named shaving appliances.....	43,193	Aug. 16	111	1930
Kampfe Bros., New York, N. Y. Safety shaving devices.....	43,256	Aug. 30	111	2485
Kampfe Bros., New York, N. Y. Razors and razor-blades.....	43,257	Aug. 30	111	2485
Kampfe Bros., New York, N. Y. Razors and razor-blades.....	43,258	Aug. 30	111	2485
Kanawha and Coal River Coal Company, Charleston, W. Va. Coal and coke.....	43,001	July 12	111	524
Kane, Ernest M., Coffeyville, Kans. Toilet cream.....	42,478	Apr. 26	109	2434
Kansas Milling & Export Co., Kansas City, Mo. Wheat-flour.....	42,308	Mar. 8	109	544
Kansas Milling & Export Co., Kansas City, Mo. Wheat-flour.....	42,309	Mar. 8	109	544
Kantorwitz, Julius, St. Louis, Mo. Gloves.....	42,803	Dec. 6	113	1696
Kaska Kuler Co., Atlanta, Ga. Tonic beverage and syrup or soda-water.....	43,696	Nov. 15	113	541
Kay Brothers, Limited, Stockport, England. Cement for certain named purposes.....	42,998	July 12	111	574
Kay Brothers, Limited, Stockport, England. Sticky fly-catchers.....	43,280	Sept. 6	112	242
Keesaby & Mattison Company, Ambler, Pa. Certain named building materials.....	43,484	Oct. 11	112	1471
Keihlor Flour Mills Co., St. Louis, Mo. Wheat-flour.....	42,082	Feb. 16	108	1865
Keizer, James R., New York, N. Y. Neckwear silks.....	42,010	Feb. 9	108	1579
Keller, Charles F., Jr., Eureka, Cal. Certain named medicines.....	42,915	July 5	111	293
Keller, Frank S., Chicago, Ill. Remedies for hay-fever, headache, and catarrh.....	42,891	June 28	110	2503
Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributors and parts and appurtenances thereof.....	42,092	Aug. 2	111	1957
Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributors and parts and appurtenances thereof.....	42,603	May 10	110	596
Kemp & Burpee Manufacturing Company, Syracuse, N. Y. Fertilizer-distributors and parts and appurtenances thereof.....	42,651	May 17	110	854
Kempster, Daniel E., Boston, Mass. Bearings for shafts.....	42,697	May 24	110	1164
Kempster, Daniel E., Boston, Mass. Journal and shaft bearings for machines.....	42,463	Apr. 19	109	2166
Kempster, Daniel E., Boston, Mass. Journal and shaft bearings for machines.....	42,464	Apr. 19	109	2166
Kennedy, John L., Washington, D. C. Rye whisky.....	42,889	June 10	110	2502
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,236	Mar. 15	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,237	Mar. 15	109	800
Kentucky Refining Co., Louisville, Ky. Butter-oil.....	42,271	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Butter-oil.....	42,272	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,373	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,374	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,375	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,376	Mar. 22	109	1063
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,591	May 10	110	595
Kentucky Refining Co., Louisville, Ky. Cotton-seed oil.....	42,592	May 10	110	595
Kentucky Tobacco Product Company, Louisville, Ky. Certain named insecticides.....	43,630	Nov. 1	113	275
Kenworthy, William, Rochdale, England. Fluids for preventing incrustation in steam-boilers.....	42,594	May 10	110	595
Kerney, Henrietta, Chicago, Ill. Cough mixture or syrup.....	43,282	Sept. 6	112	242
Keuffel & Esser Co., Hoboken, N. J. Measuring-tapes.....	42,745	Nov. 22	113	1139
Keuffel & Esser Co., Hoboken, N. J. Measuring-tapes.....	42,746	Nov. 22	113	1139
Keystone Wire Matting Company, Beaverfalls, Pa. Certain named floor-mats.....	42,881	June 28	110	2502
Kinetic-Swanton Company, Limited, London, England. Flowers for organs.....	42,709	Nov. 15	112	843
King, Leander D., Boston, Mass. Veterinary remedy.....	42,369	Apr. 12	109	1881
King, Winfield L., West Newton, Pa. Polish for wood and furniture.....	42,779	June 7	110	1718
King, Winfield L., West Newton, Pa. Healing-salve.....	42,859	Dec. 20	113	2308
Kinney & Co., F. G., New Orleans, La. Vegetable-oil cake.....	41,898	Jan. 19	108	780
Kirchberger, Moritz, New York, N. Y. Lamp-chimneys and lamp-globes.....	42,744	May 31	110	1424
Kirchberger, Moritz, New York, N. Y. Lamp-chimneys and lamp-globes.....	42,777	June 7	110	1718
Kirsch, Robert G., St. Louis, Mo. Certain named toilet preparations.....	42,071	Feb. 16	108	1863
Kister, Ben J., Denver, Colo. Medicinal compound for certain named diseases.....	43,338	Sept. 13	112	493
Klein, Macht Bros. & Hirschfeld, New York, N. Y. Certain named clothing.....	43,702	Nov. 23	113	1241
Kleinbans Company, Buffalo, N. Y. Men's hats.....	42,096	Feb. 23	108	2134
Klew & Co., Dresden, Germany. Preparations for tooth-filling and manufacturing of artificial teeth.....	42,320	Aug. 23	111	9214
Kline & Co., E. A., New York, N. Y. Cigars.....	42,488	Apr. 26	109	2435
Kline & Co., E. A., New York, N. Y. Cigars.....	42,489	Apr. 26	109	2435
Kline & Co., Louis, San Francisco, Cal. Men's hats.....	42,097	Feb. 23	108	2134
Knickerbocker Chocolate Company, West Hoboken, N. J., and New York, N. Y. Chocolate and cocoa.....	42,978	July 12	111	572
Knickerbocker Company, Jackson, Mich. Tables and appliances for playing certain named games.....	42,251	Mar. 15	109	801
Knitted Mattress Co., Canton and Canton Junction, Mass. Table-padding.....	43,719	Nov. 15	113	844
Knoll & Co., Ludwigshafen-on-the-Rhine, Germany. Certain named chemical substances.....	42,487	Apr. 26	109	2433
Knoll & Co., Ludwigshafen-on-the-Rhine, Germany. Aromatic iron liquor for pharmaceutical use.....	43,208	Aug. 16	111	1931
Kny-Scheerer Co., New York, N. Y. Metallic surgical instruments.....	41,907	Jan. 19	108	780
Kny-Scheerer Company, New York, N. Y. Certain named aseptic hospital furniture.....	43,121	Aug. 2	111	1360
Koch, Frederick A., New York, N. Y. Knives.....	43,848	Dec. 13	113	1963
Koch, Frederick A., New York, N. Y. Elastic-web catheters and bougies.....	43,855	Dec. 13	113	1964
Kohler & Campbell, New York, N. Y. Self-playing pianos and piano-players.....	42,356	Apr. 12	109	1879
Kohler & Campbell, New York, N. Y. Automatic piano-players and self-playing pianos.....	42,328	Apr. 19	109	2162
Kohlman, Isaac, New Orleans, La., and Boston, Mass. Leather boots and shoes.....	43,275	Sept. 6	112	242
Kohlman, Isaac, New Orleans, La., and Boston, Mass. Leather boots and shoes.....	43,276	Sept. 6	112	242
Kohn & Baer, New York, N. Y. Fur garments, muffs, fur scarfs, and fur trimmings.....	42,289	Mar. 29	109	1331
Kohn & Pellnitz, Campe, Germany. Paints and colors.....	42,306	Mar. 29	109	1332
Koppeltberger, Abraham, Sioux City, Iowa. Hair-tonic.....	42,444	Apr. 19	109	2164
Kraus, Marie, New York, N. Y. Hair-tonics.....	43,838	Dec. 13	113	1962
Kraus, Otto, New York, N. Y. Toy puzzles.....	42,960	July 5	111	295

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Kraut & Dohnal, Chicago, Ill. Razors	42,500	Jan. 26	109	2436
Kuhn, Henry, New York, N. Y. Stomach-bitters and tonic medicines	41,915	Apr. 19	108	791
Kunstgewerbliches Unternehmen für Modeschablonen Arnold Bachwitz, Vienna, Austria-Hungary, Fashion publications	43,487	Oct. 11	112	1471
L. A. Becker Company, Chicago, Ill. Soda-water fountains	42,344	Apr. 5	109	1602
L. A. Becker Company, Chicago, Ill. Soda-water fountains	42,345	Apr. 5	109	1602
L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Type-writing machines	41,998	Feb. 2	108	1321
L. W. Leithhead Drug Co., Duluth, Minn. Certain named medicine	42,447	Apr. 19	109	2164
La Fond, Moses A., Detroit, Mich. Game printed or mounted upon a card	43,002	July 4	111	1357
Ladd & Coffin, New York, N. Y. Perfumes, toilet waters, and sachet-powders	41,834	Jan. 5	108	283
Ladd & Coffin, New York, N. Y. Perfumes, toilet waters, and sachet-powders	41,835	Jan. 5	108	283
Lafronier, Louis, Wilson, Mich. Cure for kidney troubles	43,701	Nov. 15	113	842
Lambertville Rubber Company, Lambertville, N. J. Rubber balls	43,815	Dec. 6	113	1669
Lambrecht, Anthony H., Nutley, N. J. Polish for glass, metal, and wooden ware	43,542	Oct. 18	112	1740
Lamouette, Pedro L., Coamo, Porto Rico. Pills for certain named diseases	43,505	Oct. 11	112	1473
Landers, Frary and Clark, New Britain, Conn. Coffee and spice mills	42,284	Mar. 22	109	1064
Landers, Frary and Clark, New Britain, Conn. Certain named knife-cleaning machines	42,285	Mar. 22	109	1064
Landers, Frary and Clark, New Britain, Conn. Combined lard-press, fruit-press, and sausage-stuffer	42,943	Apr. 5	109	1602
Langie, Louis C., Rochester, N. Y. Nail cutters and cleaners	43,674	Nov. 8	113	543
Langman, Oscar J., Chicago, Ill. Liquid soldering flux	43,209	Aug. 16	111	1931
Langman & Kemp, New York, N. Y. Salve and ointments of witch-hazel or hamamelis	42,142	Feb. 23	108	2139
Langman & Kemp, New York, N. Y. Remedy for expelling worms from the system	42,169	Mar. 1	109	270
Langman & Kemp, New York, N. Y. Extract of witch-hazel or hamamelis	43,791	Mar. 1	109	270
Langman & Kemp, New York, N. Y. Pills	42,241	Mar. 15	109	800
Langman & Kemp, New York, N. Y. Soap	43,179	Aug. 16	111	1928
Langman & Kemp, New York, N. Y. Soap	43,199	Aug. 16	111	1930
Larkey & Pitt, Duluth, Minn. Medicinal salve	42,901	June 28	110	2504
Lattimore Mfg. Co., St. Clair, Pa. Miners' lantern holders	43,701	Mar. 1	109	270
Laundry Blue Company, Chicago, Ill. Laundry bluing	41,952	Jan. 26	108	1045
Laurel Rubber Co., New York, N. Y. Certain named erasers	43,007	July 12	111	575
Laurent & Sons, F., Philadelphia, Pa. Candy	41,822	Jan. 5	108	282
Lautemann, Henry L., Newark, N. J. Remedies for cure of certain named diseases	41,902	Jan. 19	108	790
Lawrence, William A., Chester, N. Y. Neufchâtel cheese	41,948	Jan. 26	108	1045
Le Compte and Gayle Co., Frankfort, Ky. Remedy for certain named diseases	42,330	Apr. 26	109	1601
Leal, George, Johannesburg, South Africa. Leather boots and shoes	42,101	Feb. 23	108	2135
Lee & Glenn, Wigston Magna, England. Knitted blouses or overvests and knitted bodices for ladies	43,008	July 12	111	575
Leeming & Co., Thos., New York, N. Y. Candies, chocolate, and preparations of chocolate and cocoa	43,024	July 19	111	709
Legzin, Joseph L., Springfield, Mass. Flavorings for certain named purposes	43,373	Sept. 20	112	721
Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Toys	43,579	Oct. 25	112	2086
Lembeck & Betz Eagle Brewing Co., Jersey City, N. J. Ale, porter, and beer	43,085	Aug. 2	111	1356
Lennox Chemical Co., Cleveland, Ohio. Certain named chemicals	42,856	June 21	110	3229
Lenox Sprayer and Chemical Co., Pittsfield, Mass. Laundry soap	42,747	Apr. 26	109	2434
Leppien, Christian C. A., Hamburg, Germany. Coating and preserving paint	42,618	May 17	110	852
Leslie E. Keeley Company, Dwight, Ill. Medicinal preparations for the treatment of certain named diseases	43,144	Aug. 9	111	1619
Lettman, Sam, Asheville, N. C. Eye-tonic	43,699	Nov. 15	113	842
Lever Brothers Company, Portland, Me., and Cambridge, Mass. Toilet and laundry soaps and soap powders	43,113	Aug. 2	111	1359
Lever Brothers Company, Portland, Me., and Cambridge, Mass. Toilet and laundry soaps and soap powders	43,114	Aug. 2	111	1359
Levering Coffee Co., Baltimore, Md. Roasted coffee	42,033	Feb. 2	108	1582
Levering Coffee Co., Baltimore, Md. Roasted coffee	42,034	Feb. 9	108	1582
Levi & Blum, New York, N. Y. Dress-shields	43,831	Dec. 13	113	1961
Lewis Berger & Sons, Limited, London, England. Printing-ink	43,930	Dec. 27	113	2497
Ley, William N., Spokane, Wash. Axle-grease	42,412	Apr. 19	109	2161
Ley, William N., Spokane, Wash. Medicine to promote development of pure blood	43,088	Aug. 2	111	1356
Liberty Silk Co., New York, N. Y. Dress-silks	43,582	Oct. 25	112	2086
Liebovitz Sons, S., New York, N. Y. Shirts	43,726	Nov. 22	113	1137
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,127	Aug. 9	111	1617
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,128	Aug. 9	111	1617
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,129	Aug. 9	111	1617
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,130	Aug. 9	111	1617
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,131	Aug. 9	111	1618
Liepmann & Co's Successors, Julius, Manchester, England. Sheetings, drillings, and shirtings	43,132	Aug. 9	111	1618
Liljeholms Steninfabriks Aktiebolag, Stockholm, Sweden. Candies	43,637	Nov. 1	113	275
Lindner, Paul H., Chicago, Ill. Buttons	43,663	Nov. 8	113	525
Lindner Shoe Co., Carlisle, Pa. Ladies' leather shoes	43,157	Aug. 16	110	1926
Lindner Shoe Co., Carlisle, Pa. Ladies' leather shoes	43,158	Aug. 16	111	1926
Linen Underwear Company, Greenwich, N. Y. Linen shirts and drawers	42,203	Mar. 8	109	543
Lipp, Albert B., Sidney, Mo. Cough remedy	41,900	Jan. 19	108	790
Lippmann & Sons, G. E., New York, N. Y. Boys' and children's coats, vests, and trousers	41,853	Jan. 12	108	552
Little & Co., A. E., Lynn, Mass. Overgaiters	42,494	Apr. 19	109	2163
Little & Co., A. E., Lynn, Mass. Certain named boots and shoes	42,577	Sept. 6	112	242
Little & Co., A. E., Lynn, Mass. Ladies' hosiery	43,333	Sept. 13	112	493
Liverpool China & India Tea Company, Limited, Liverpool, England. Tea	41,974	Feb. 2	108	1321
Lloyd, Adams & Simpson, Portsmouth, Ohio. Certain named toy explosive devices and ammunition therefor	42,868	June 21	110	2230
Lloyd & Co., Almée, London, England. Shaving-cream	43,672	Nov. 8	113	543
Lockhart, Edwin H., New York, N. Y. Preparations for beautifying and softening the skin	41,858	Jan. 12	108	553
Lodge & Co., B., Albany, N. Y. Certain named knit undergarments	43,727	Nov. 22	113	1137
Loeb & Co., Marcus, Atlanta, Ga. Overalls, pants, and blouse or work shirts	41,886	Jan. 19	108	788
Loeb & Co., William, Providence, R. I. Rings	43,329	Oct. 18	112	1759
Loeser & Co., Fred K., New York, N. Y. Black ribbons	41,801	Jan. 5	108	280
Loevenhart, Jacob H., St. Louis, Mo. Artificial stones	41,964	Jan. 26	108	1046
Logan, Scott, Sheldon, Iowa. Flour made from wheat	43,084	Aug. 2	111	1356
Long, Keil, Neuchaven, Pa. Flour	42,588	May 10	110	891
Lopez, Almée, New York, N. Y. Butter	43,694	Nov. 15	113	811
Lord and Russell, Richmond, Va. Talcum powder	42,573	May 10	110	593
Los Angeles Olive Growers' Ass'n, Los Angeles, Cal. Olive-oil	42,081	Feb. 16	108	1865
Lothrop Publishing Company, Boston, Mass. Books	41,940	Jan. 26	108	1044
Louis, Alfred, Manchester, England, and New York, N. Y. Woven cotton pile fabrics	43,759	Nov. 29	113	1409
Lowe Brothers Company, Dayton, Ohio. Paint and varnish	43,255	Aug. 30	111	2485
Lowell Weaving Co., Lowell, Mass. Duck and dress goods	43,049	July 26	111	1050

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Name, residence, and title.	No.	Date.	Official Gazette.	
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Lowell Weaving Co., Lowell, Mass. Duck and dress goods	43,527	Oct. 12	112	1739
Lowenthal & Brother, Max, Rochester, N. Y. Infants' undershirts or undersuits	42,914	June 28	110	2505
Ludington Salt Co. of Milwaukee, Milwaukee, Wis. Salt	43,610	Nov. 1	113	272
Ludorff, Albert, New York, N. Y. Certain named beverages	42,031	Feb. 9	108	1581
Lukins, Frank M., St. Paul, Minn. Hones	43,673	Nov. 8	113	543
Luyties, Herman C. G., St. Louis, Mo. Tooth-powder	42,040	Feb. 9	108	1582
Luyties, Herman C. G., St. Louis, Mo. Bath and talcum powder	42,041	Feb. 9	108	1582
Lynchburg Shoe Co., Lynchburg, Va. Leather boots and shoes	42,706	May 31	110	1419
M. Lindsay Rubber Company, New York, N. Y., and Washington, D. C. Certain named water-proof outer garments	43,761	Nov. 29	113	1409
M. J. Whitman Co., Rochester, N. Y. Ladies' leather shoes	43,348	Sept. 13	112	494
MacLulich, James M., London, England. Rubber tires for vehicles	42,680	May 24	110	1169
Maer Manufacturing Company, Memphis, Tenn. Chewing-gum	42,583	May 10	110	594
Maiello, Louis, Providence, R. I. Tonics for the cure of certain named diseases	42,951	July 5	111	295
Mainzer, John, New York, N. Y. Remedies for certain named diseases	43,902	Aug. 16	111	1931
Maize Products Co., New York, N. Y. Medicine for certain named diseases	43,752	Nov. 22	113	1139
Mahani & Son, New York, N. Y. Razors	43,305	Sept. 6	112	245
Maline Mills Company, Salem, N. C. Corset-covers	43,050	July 26	111	1030
Mallett, Daniel T., New York, N. Y. Trade-journals	42,794	June 14	110	2007
Mallory & Sons, E. A., Danbury, Conn. Hats	43,798	Dec. 6	113	1697
Mallory & Sons, E. A., Danbury, Conn. Hats	43,799	Dec. 6	113	1697
Mallory & Sons, E. A., Danbury, Conn. Hats	43,860	Dec. 20	113	2014
Mallory & Sons, E. A., Danbury, Conn. Hats	43,910	Dec. 27	113	2495
Maltby & Co., C. R., Corning, N. Y. Wheat-flour	41,895	Jan. 19	108	789
Manby, Charles E., Carnegie, Pa. High-speed cutting-tool steel	43,342	Sept. 13	112	494
Manier, Dunbar & Co., Nashville, Tenn. Heavy leather shoes	43,020	July 19	111	799
Marck, William, Albany, N. Y. Certain named knit goods	43,245	Aug. 30	112	2484
Maplebay Wind Stacker Company, Crookston, Minn. Wind-stackers for threshing-machines	42,911	Sept. 29	112	1734
Marchesini Brothers, New York, N. Y. Olive-oils	42,320	Apr. 5	109	1600
Marchesini Brothers, New York, N. Y. Olive-oils	42,321	Apr. 5	109	1600
Marchesini Brothers, New York, N. Y. Olive-oils	42,322	Apr. 5	109	1600
Marino, Dominick A., Jersey City, N. J. Cough mixtures	43,123	Dec. 27	113	1932
Marion Iron & Brass Bed Co., Marion, Ind. Brass and iron bedsteads	43,122	Aug. 23	111	1360
Mark W. Allen & Co., Detroit, Mich. Certain named hair-restorers	43,603	Oct. 25	112	2088
Marks, Rothenberg & Co., Meridian, Miss. Shirts	42,754	June 7	110	1716
Marks, Rothenberg & Co., Meridian, Miss. Shirts	42,755	June 7	110	1716
Marmite Food Extract Coy., Ltd., London, England. Concentrated meat and vegetable preparation for soup-making	41,950	Jan. 26	108	1045
Marquardt, John H., Burlington, Iowa. Yeast	43,057	July 26	111	1031
Marsh Brothers Co., Sheffield, England. Certain named hand cutting-tools	41,960	Jan. 26	108	1046
Marshall, Frank J., New York, N. Y. Writing-paper and envelopes	42,164	Mar. 1	109	270
Marshall Oil Company, Marshalltown, Iowa. Disinfectants or germicides for certain named purposes	42,805	June 14	110	2008
Martin Bros., London, England. Smoking-tobacco and cigarettes	43,476	Oct. 11	112	1470
Martin, Mary L., Denver, Colo. Remedy for piles	41,859	Jan. 12	108	553
Martindale & Co., Thos., Philadelphia, Pa. Tea	41,973	Feb. 2	108	1320
Marty, Henri, Villefrance, France. Fish and animal traps	43,261	Aug. 30	111	2486
Massey, Francois X., Brussels, Belgium. Sheet-metal measuring vessels	43,213	Aug. 16	111	1692
Masury, Frederick L. M., Masury, Ohio. Blasting-batteries	42,698	May 24	110	1164
Mathews, Allen M., Americus, Ga. Remedy for certain named diseases	42,767	June 7	110	1717
Matthews, Nate J., Toledo, Ohio. Chewing-gum	43,138	Aug. 9	111	1618
Matthews Remedy Co., New York, N. Y. Castor-oil tablets	43,839	Dec. 13	113	1962
Maull Bros., St. Louis, Mo. Italian paste	43,161	Aug. 16	111	1926
Maull Bros., St. Louis, Mo. Certain named Italian paste	43,161	Aug. 16	111	1926
Mayer, M. & C., New York, N. Y. Hosiery	43,405	Sept. 27	112	949
Mayer, M. & C., New York, N. Y. Hosiery	43,664	Nov. 8	113	542
Mayne, Caroline, New York, N. Y. Pile remedy	42,246	Mar. 15	109	801
Mayo and Company, William F., Boston, Mass. Rubber boots and shoes	43,757	Nov. 29	113	1469
Mayo, William F., Boston, Mass. Leather boots and shoes	42,009	Feb. 9	108	1579
McAleer and Sons, John, Philadelphia, Pa. Wheat-flour	43,466	Oct. 11	112	1469
McBrearty, John, Philadelphia, Pa. Leather boots and shoes	42,613	May 17	110	851
McClean, C. & W., St. Louis, Mo. Seines	43,817	Dec. 6	113	1699
McClure, Phillips & Company, New York, N. Y. Certain named publications	43,073	Aug. 2	111	1353
McCord-Stewart Company, Atlanta, Ga. Baking-powder and soda	42,381	Apr. 12	109	1882
McCormick Food Co., Albany, Ind. Stock and poultry food	43,321	Sept. 6	112	246
McDevitt, Thomas J., Newington, Conn. Veterinary remedies	43,506	Oct. 11	112	1473
McDonald, Benjamin H., Fort Worth, Tex. Aerated beverages and syrups for the same	43,614	Nov. 29	113	273
McIntire, Magee & Brown, Philadelphia, Pa. Certain named optical goods	43,365	Sept. 30	112	730
McKee-Jeanette Glass Works, Jeanette, Pa. Glass vessels for table use	42,807	Nov. 29	113	1412
McKesson & Robbins, New York, N. Y. Compounds for liberating oxygen	43,932	June 14	110	2008
McKesson & Robbins, New York, N. Y. Tooth-powder	42,921	June 28	110	2505
McLaughlin, Michael A., San Francisco, Cal. Electric belts	42,959	July 5	111	295
McLoughlin Bunnell Shoe Co., Bloomington, Ill. Ladies' and misses' leather shoes	43,018	July 19	111	799
McPherson & Co., Grant, Glasgow, Scotland. Whisky	42,121	May 8	110	300
McRath, Thomas S., Portland, Oreg. Certain named fire-clay	43,422	Sept. 27	112	950
McWhinnie, Henry, Troy, N. Y. Veterinary liniment	43,845	Dec. 13	113	1963
Mechanical Rubber Co., Cleveland, Ohio. Rubber hose	43,543	Oct. 18	112	1741
Mediara Food Co., Indianapolis, Ind. Medicated stock and poultry food products	43,558	Oct. 18	112	1742
Megaro, Pancrazio M., Newark, N. J. Shaving-soap	42,763	June 7	110	1717
Meilin & Sons, Paul G., New York, N. Y. Upright pianos	43,710	Nov. 15	113	843
Meinl, Julius, Vienna, Austria-Hungary. Cocoa substitute	42,407	Sept. 6	112	242
Meinrath Brokerage Company, Kansas City, Mo. Rice	42,279	Apr. 19	109	2161
Nelson, Rufus G., Punxsutawney, Pa. Mineral water	42,121	Feb. 23	108	2137
Nentz, Albert Y., New York, N. Y. Salves used externally	42,420	Apr. 19	109	2162
Nerwether, Catherine C., Asheville, N. C. Playing-cards	42,094	Feb. 23	108	2134
Nermod Frères, Ste. Croix, Switzerland. Talking-machines and parts thereof and records therefor	42,601	May 10	110	596
Metallschlauchfabrik Pforzheim, (vorm. Hch. Witzmann), G. M. B. H., Pforzheim, Germany. Flexible metal pipes	41,880	Jan. 12	108	556
Meuwly, John J., Little Rock, Ark. Cigar-box flavor	42,073	Feb. 16	108	1864
Mexican Manufacturing Company, Wichita, Kans. Furniture-polish	42,083	Feb. 16	108	1865
Meyer, Albert G., San Francisco, Cal. Remedies for pulmonary and infectious diseases	43,841	Dec. 13	113	1962
Meyer, Arnold O., Hamburg, Germany. Writing-paper, packing-paper, and cigarette-paper	42,093	Oct. 23	108	2134
Mewrowitz, Emil E., New York, N. Y. Lenses for eyeglasses and spectacles	41,848	Jan. 12	108	552
Michigan Carbon Works, Detroit, Mich. Jelly preparation	42,657	May 24	110	1162

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Michigan Condensed Milk Co., New York, N. Y. Milk, condensed milk, cream, and evaporated cream	42,025	Feb. 9	108	1581
Michigan Condensed Milk Co., New York, N. Y. Milk, condensed milk, cream, and evaporated cream	42,025	Feb. 9	108	1581
Michigan Condensed Milk Co., New York, N. Y. Milk, condensed milk, cream, and evaporated cream	42,027	Feb. 9	108	1581
Michigan Condensed Milk Co., New York, N. Y. Milk, condensed milk, cream, and evaporated cream	42,546	May 3	110	901
Michigan Macaroni Co., Ltd., Detroit, Mich. Certain named macaroni	43,588	Oct. 23	112	2087
Middlesex Shoe Co., Boston, Mass. Leather boots and shoes	42,468	Apr. 26	109	2433
Migel, Moses C., New York, N. Y. Silks	43,914	Dec. 27	113	2495
Milford Hosiery Co., Philadelphia, Pa. Socks and stockings	42,756	June 7	110	1716
Miller-Bryant-Pierce Co., Aurora, Ill. Carbon paper	43,899	Dec. 20	113	2219
Miller-Bryant-Pierce Co., Aurora, Ill. Carbon paper	43,900	Dec. 20	113	2209
Miller-Heimann Co., St. Louis, Mo. Corsets	42,821	June 14	110	2009
Miller, Mason & Co., Pittsburg, Pa. Portland cement	43,115	Aug. 2	111	1359
Miller, Philip C., Chicago, Ill. Certain named blowpipe system	43,215	Aug. 16	111	1932
Milloy and Co., John, Chicago, Ill. Cloth having a polished finish	43,500	Dec. 6	113	1697
Milwaukee Waukesha Brewing Company, Waukesha and Milwaukee, Wis. Beer, ale, malt extract, and malt tonic	43,771	Nov. 29	113	1410
Minor & Son, P. W., Batavia, N. Y. Leather boots and shoes	42,395	Apr. 19	109	2159
Minott, Frederick S., New York, N. Y. Flexible insulated electric-light cords	42,739	May 31	110	1423
Minott, Frederick S., New York, N. Y. Insulated wires and cables	42,740	May 31	110	1423
Mintola Company, Louisville, Ky. Carbonated beverages and syrup for same	43,353	Sept. 13	112	405
Moline Plow Co., Moline, Ill. Certain named agricultural implements	43,518	Dec. 6	113	1699
Moline Plow Co., Moline, Ill. Cotton-planters, cotton-planters, and beet-drills	43,853	Dec. 13	113	1964
Möller & Linsert, Hamburg-Reichenhof, Germany. Certain named medicine	42,128	Feb. 23	108	2137
Monarch Stock Food Co., Kansas City, Mo. Stock-food	41,951	Jan. 26	108	1045
Monarch Typewriter Co., Syracuse, N. Y. Type-writing machines	43,481	Oct. 11	112	1471
Mondon, Louis, New York, N. Y. Mousseline-de-soie	43,915	Dec. 27	113	2495
Mondon, Louis, New York, N. Y. Silk and cotton muslin fabric	43,916	Dec. 27	113	2495
Mongan, John, St. Louis, Mo. Beverage composed principally of whisky and syrup	42,541	May 3	110	300
Monger, John A., Superior, Wis. Remedies for the cure of certain diseases	42,448	Apr. 19	109	2164
Monnett, Madison W., Indianapolis, Ind. Blood-purifiers	43,507	Oct. 11	112	1473
Monumental Brewing Company of Baltimore City, Baltimore and Highlandtown, Md. Beer	42,982	July 12	111	572
Moore-Shafer Shoe Manufacturing Co., Brockport, N. Y. Leather boots and shoes	42,469	Apr. 26	109	2433
Morehouse Manufacturing Co., Savannah, Ga. Baking-soda	42,711	May 31	110	1420
Morgan, John B., New York, N. Y. Trading-stamps	42,013	Feb. 9	108	1579
Morgan-Lyons Vinegar Co., Louisville, Ky. Beverage manufactured from apple-cider	42,073	Feb. 16	108	1864
Morley Button Manufacturing Company, Boston, Mass. Lacing-hooks for boots and shoes	43,526	Oct. 18	112	1739
Morris, John W., Troy, Ohio. Aluminium and celluloid card-cases	42,674	May 24	110	1161
Mortimer, George, Boston, Mass. Liquid specific for female complaints	42,217	Mar. 8	109	545
Mortimer, George, Boston, Mass. Medicated adhesive plasters	42,218	Mar. 8	109	545
Moshy & Rahaim, New York, N. Y. Razors	41,830	Jan. 5	108	233
Mount Eryx Co., Hartford, Conn. Tonic	42,579	May 10	110	594
Mount and Mount, Indianapolis, Ind. Hair grower and restorer	42,372	Apr. 12	109	1881
Mueller, George J., Washington, D. C. Confections	42,534	May 3	110	299
Mülhens & Kropff, New York, N. Y. Perfumes and toilet water	43,617	Nov. 1	113	273
Munger, Henry C., New York, N. Y. Kaolin	42,856	July 5	111	235
Muralo Company, New Brighton, N. Y. Certain named paint	42,535	May 3	110	301
Muralo Company, New Brighton, N. Y. Cold-water weatherproof paint in dry powdered form	42,780	June 7	110	1719
Muralo Company, New York, N. Y. Cold-water weatherproof paint	43,032	July 19	111	800
Murbach Company of Baltimore City, Baltimore, Md. Candy	42,114	Feb. 23	108	2136
Murphy, John F., Pittsburg, Pa. Cement	42,442	June 21	110	2227
Muse, Joseph E., Baltimore, Md. Remedy for coughs and colds	41,019	Jan. 19	108	721
Myself-Rollins Co., San Francisco, Cal. Certain named paper	43,577	Oct. 25	112	2086
N. C. Bohr & Sons, Waterville, N. Y. Leather boots and shoes	42,758	June 7	110	1716
N. K. Fairbank Company, Chicago, Ill. Laundry soap	43,806	Dec. 6	113	1698
Natick Underwear Company, Springfield, Mass. Certain named underwear	43,805	Dec. 20	113	2205
National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Certain named bakery products	41,868	Jan. 12	108	554
National Brewery Company, St. Louis, Mo. Beer	42,983	July 12	111	572
National Carbon By-Products Company, Freeport, Ill. Paint, paint-pigments, and lampblack	42,044	Feb. 9	108	1553
National Carbon Company, Cleveland, Ohio. Dry-battery cells	43,117	Aug. 2	111	1359
National Carbon Company, Cleveland, Ohio. Dry-battery cells	43,118	Aug. 2	111	1360
National Carbon Company, Cleveland, Ohio. Dry-battery cells	43,119	Aug. 2	111	1360
National Carbon Company, Cleveland, Ohio. Dry-battery cells	43,120	Aug. 2	111	1360
National Coal Tar Co., Boston, Mass. Coal-tar, derivatives thereof, and coal-tar products	42,829	June 14	110	2010
National Coal Tar Co., Boston, Mass. Coal-tar, derivatives thereof, and coal-tar products	43,942	Dec. 27	113	2498
National Food Company, Fould du Lac, Wis. Poultry-food and medicines and veterinary remedies	43,541	Oct. 18	112	1740
National Furniture Co., Atlanta, Ga. Certain named furniture	43,291	Sept. 6	112	243
National Hammock Co., New York, N. Y. Woven hammocks	42,358	Apr. 12	109	1879
National Sewing Machine Co., Belvidere, Ill. Sewing machines and attachments	43,532	Oct. 11	112	1474
National Shoe Manufacturing Co., Richmond, Va. Leather shoes	43,567	May 10	110	592
National Soap Corporation, Boston, Mass. Soap	43,560	Oct. 18	112	1742
National Sweeper Company, Marion, Ind. Carpet-sweepers	42,253	Mar. 15	109	802
National Sweeper Company, Marion, Ind. Carpet-sweepers	42,254	Mar. 15	109	802
National Wire Mattress Co., Waterbury, Conn. Spring-mattresses	42,342	Apr. 5	109	1602
National X-Ray Reflector Company, Chicago, Ill. Glass reflectors	42,321	Mar. 8	109	545
Natterer, Wilhelm, Munich, Germany. Pharmaceutical preparations for certain named purposes	42,658	May 24	110	1159
Neagle, James H., Oakland, Cal. Medicine for certain named diseases	42,840	June 21	110	2228
Neckelmann, Hermanos, Valparaiso and Concepcion, Chile. Shoes and scissors	42,863	June 21	110	2230
Neher, Ruhé & Weiper, Eau Claire, Wis. Remedies for venereal diseases	41,926	Jan. 19	108	732
Nelsonville Sewer Pipe Co., Columbus, Ohio. Bricks for paving and building purposes	43,174	Aug. 16	111	1927
Nervola Co., Birmingham, Ala. Certain named non-alcoholic beverage	43,411	Sept. 27	112	949
Nesler & Company, Newark, N. J. Ear-rings	42,746	June 7	110	1715
Neuhelm, Herman, Newark, N. J. Cleaning or polishing compounds	41,563	Jan. 26	108	1045
Neubauer, Alfred, Cleveland, Ohio. Cleaning compound	42,953	July 5	111	236
New Departure Manufacturing Company, Bristol, Conn. Certain named bicycle parts	42,561	May 3	110	302
New Haven Clock Co., New Haven, Conn. Clocks	43,785	Nov. 29	113	1412
New Home Sewing Machine Company, Orange, Mass., and New York, N. Y. Dry-thread sewing-machines and accessories	43,707	Nov. 15	113	843
New Jersey Car Spring and Rubber Company, Jersey City, N. J. Rubber packing	42,696	May 24	110	1163

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Name, residence, and title.	No.	Date.	Official Gazette.	
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New Orleans Coffee Co., Ltd., New Orleans, La. Syrup, molasses, and sorghum.....	43,111	Aug. 2	111	1359
New Orleans Coffee Co., Ltd., New Orleans, La. Molasses, syrups, and sorghum.....	43,112	Aug. 2	111	1359
New Orleans Coffee Co., Ltd., New Orleans, La. Syrup, molasses, and sorghum.....	43,197	Aug. 16	111	1380
New Orleans Coffee Co., Ltd., New Orleans, La. Syrup, molasses, and sorghum.....	43,198	Aug. 16	111	1380
New Process Yeast Co., Chicago, Ill. Yeast.....	41,949	Jan. 26	108	1045
New Winona Manufacturing Company, Winona, Minn. Mills for grinding grain, seeds, and drugs.....	43,755	Nov. 22	113	1140
New York Belting and Packing Company, Ltd., New York, N. Y. Rubber hose.....	43,544	Oct. 18	112	1741
New York Consolidated Card Company, New York, N. Y. Playing-cards.....	41,939	Jan. 26	108	1044
Nicolaidi, Jean, Paris, France. Food for animals.....	42,724	May 31	110	1422
Nitroline Manufacturing Company, St. Louis, Mo. Remedy for diseases among live stock and poultry.....	42,903	June 28	110	2504
Nobels Explosives Co., Ltd., Glasgow, Scotland. Gunpowder.....	43,382	Sept. 20	112	722
Norddeutsche Wollkammerei und Kammgarb-spinnerei, Bremen and Delmenhorst, Germany. Silver, raw, and dyed yarns.....	43,869	Dec. 20	113	3205
Norfolk Linen Company, Boston, Mass. Certain named absorbent articles.....	42,655	May 24	110	1150
Norfolk Silk Co., Paterson, N. J., and Norfolk, Va. Dress-silks.....	43,135	Aug. 9	111	1618
Norfolk Silk Co., Paterson, N. J., and Norfolk, Va. Dress-silks.....	43,136	Aug. 9	111	1618
Norman C. Hayner Co., Rochester, N. Y. Odorless liquid disinfectant.....	42,902	June 28	110	2504
Norris, Frederick H., Detroit, Mich. Collars.....	43,763	Nov. 29	113	1409
Norris, Frederick H., Detroit, Mich. Collars.....	43,764	Nov. 29	113	1409
North America Soap Co., Limited, Victoria, Canada. Soaps.....	43,010	July 12	111	575
North American Chemical Company, Bay City, Mich. Evaporated salt.....	43,240	Aug. 23	112	2215
North Bros. Mfg. Co., Philadelphia, Pa. Ice-cream freezers.....	43,266	Aug. 30	111	2486
North Bros. Mfg. Co., Philadelphia, Pa. Ice-cream freezers.....	43,267	Aug. 30	111	2486
North Bros. Mfg. Co., Philadelphia, Pa. Ice-cream freezers.....	43,268	Aug. 30	111	2486
North Bros. Mfg. Co., Philadelphia, Pa. Ice-cream freezers.....	43,269	Aug. 30	111	2486
North Bros. Mfg. Co., Philadelphia, Pa. Ice-cream freezers.....	43,270	Aug. 30	111	2486
North Bros. Mfg. Co., Philadelphia, Pa. Screw-drivers and hand-drills.....	43,360	Sept. 13	112	495
Norwich Pharmacal Co., Norwich, N. Y. Certain named medical preparations.....	42,630	May 17	110	853
Norwich Pharmacal Co., Norwich, N. Y. Certain named ointment.....	42,638	May 17	110	853
Novelty Manufacturing Company, Jackson, Mich. Certain named auxiliary heaters and parts accessory thereto.....	42,388	Apr. 19	109	1882
Nunnally Bros., Atlanta, Ga. Overalls.....	42,797	June 12	110	2077
Nutt, William F., Newburgh, N. Y. Dyspepsia remedy in tablet form.....	43,921	Dec. 27	113	2496
O. F. Zurn Company, Philadelphia, Pa. Certain named lubricating compounds.....	42,496	Apr. 26	109	2436
O. F. Zurn Company, Philadelphia, Pa. Certain named lubricating compounds.....	42,497	Apr. 26	109	2436
O. F. Zurn Company, Philadelphia, Pa. Lubricating oils and greases.....	42,498	Apr. 26	109	2436
O. F. Zurn Company, Philadelphia, Pa. Lubricating oils and greases.....	42,499	Apr. 26	109	2436
O. F. Zurn Company, Philadelphia, Pa. Saponaceous compound for treating fabrics.....	42,552	May 8	110	301
Oatmeal Cocoa Company, Minneapolis, Minn. Oatmeal-cocoa preparations.....	42,030	Feb. 9	108	1581
Oermeyer & Co., G. M. B. H., Hanau-on-the-Main, Germany. Soaps.....	43,413	Sept. 27	112	949
Ocell-Orient Medicine Company, San Francisco, Cal., New York, N. Y., and London, England. Certain named medical compounds.....	43,090	Aug. 2	111	1357
Oesterreich & Klapinski, Milwaukee, Wis. Stitching-silk.....	43,078	Aug. 2	111	1355
Ohio Blower Company, Cleveland, Ohio. Dust-collectors, exhaust-fans, and blowers.....	42,001	Feb. 2	108	1324
Ohio Filler & Shield Co., Columbus, Ohio. Certain named lubricants.....	41,955	Jan. 26	108	1045
Ohio Match Co., Wadsworth, Ohio. Friction-matches.....	42,672	May 24	110	1161
Ohio Match Company, Wadsworth, Ohio. Friction-matches.....	42,232	Mar. 15	109	799
Oliver Typewriter Company, Chicago, Ill. Carbon or transfer paper.....	43,604	Oct. 25	112	2088
Omo Manufacturing Company, Middletown, Conn. Dress-shields.....	42,832	June 21	110	2226
Openhym & Sons, Wm., New York, N. Y. Velvets and plushes.....	42,611	May 17	110	851
Oppenheim, Oberndorf & Co., Baltimore, Md. Night-ropes and pajamas.....	43,867	Dec. 20	113	2805
Oppenheimer's Sons, Lewis, Philadelphia, Pa. Sewing-machine spindlers.....	43,158	Mar. 1	109	269
Oregon County Orchard Co., Koshkonong, Mo. Peaches.....	43,720	Nov. 15	113	844
Ostasiatische Handels-Gesellschaft, Hamburg, Germany. India-rubber shoes and goloshes.....	42,916	June 28	110	2505
Ostasiatische Handels-Gesellschaft, Hamburg, Germany. India-rubber shoes and goloshes.....	43,393	Sept. 20	112	723
Osby & Barton Company, Providence, R. I. Filled rings.....	43,015	July 19	111	709
Overby, William T., Shelby, Miss. Liniment.....	42,850	June 21	110	2228
P. Rielly & Son, Newark, N. J. Leather.....	43,439	Oct. 4	112	1206
P. & F. Corbin, New Britain, Conn. Locks and latches.....	41,961	Jan. 26	108	1046
P. H. Hofmann & Company, Chicago, Ill. Butter.....	42,349	Apr. 5	109	1602
Pacific Steel and Wire Co., San Francisco, Cal. Wire fencing.....	43,380	June 28	110	2506
Pacific Steel and Wire Co., San Francisco, Cal. Wire fencing.....	43,069	July 26	111	1083
Paddock, Raymond B., Brooklyn, N. Y. Certain named medicinal preparations.....	43,091	Aug. 2	111	1357
Page, Henry W. A., New York, N. Y. Towels, table-cloths, and covers, and in the piece.....	42,933	July 5	111	293
Page, Henry W. A., New York, N. Y. Cotton dress goods.....	43,091	Nov. 15	113	841
Palethorpe, Percy R., Louisville, Ky. Animal-dip and insecticides.....	41,923	Jan. 19	108	792
Palethorpe, Percy R., Louisville, Ky. Remedy for the cure of certain named diseases.....	43,294	Aug. 16	111	1931
Palmer, Eddy, New York, N. Y. Perfumes in liquid and powdered form.....	42,107	Feb. 23	108	2135
Palmer, Eddy, New York, N. Y. Certain named perfumes.....	43,509	Oct. 11	112	1473
Palmer, Isaac E., Middletown, Conn. Hammocks.....	41,933	Jan. 26	108	1043
Pape, Herman, New York, N. Y. Metal-polish and stove-polish.....	42,210	Mar. 8	109	544
Paraffine Paint Co., San Francisco, Cal. Waterproof and weatherproof compositions and roofing material treated therewith.....	43,401	Sept. 20	112	724
Paragon Silk Company, Paterson, N. J. Silk.....	43,133	Aug. 9	111	1618
Paris Medicine Co., St. Louis, Mo. Antiseptic healing-oil.....	42,771	June 7	110	1717
Paris Medicine Company, St. Louis, Mo. Certain named liquid external remedy.....	43,308	Sept. 20	112	723
Parker Bros., Salem, Mass. Games played with cards.....	42,055	Feb. 16	108	1862
Parker Bros., Salem, Mass. Games played with cards.....	42,056	Feb. 16	108	1862
Parker Bros., Salem, Mass. Games played with cards.....	42,057	Feb. 16	108	1862
Parker Bros., Salem, Mass. Games played with cards.....	42,058	Feb. 16	108	1862
Parker Bros., Salem, Mass. Games played with cards.....	42,350	Apr. 12	109	1879
Parker Bros., Salem, Mass. Games played with cards.....	42,351	Apr. 12	109	1879
Parker Bros., Salem, Mass. Games played with cards.....	42,352	Apr. 12	109	1879
Parker Bros., Salem, Mass. Games played with cards.....	42,700	May 31	110	1419
Parker Bros., Salem, Mass. Games played with cards.....	42,701	May 31	110	1419
Parker Bros., Salem, Mass. Games played with cards.....	43,152	Aug. 9	111	1680
Parker & Budd, New York, N. Y. Certain named medical compounds.....	43,524	Oct. 18	112	1739
Parrish, James H., Baltimore, Md. Baking-powder.....	43,753	Nov. 22	113	1140
Passavant & Co., New York, N. Y. Silks.....	43,581	Oct. 25	112	2088
Patch, Asahel H., Clarksville, Tenn. Corn-shellers.....	43,071	July 26	111	1092
Patent Vulcanite Roofing Co., Chicago, Ill. Asphalt roofing.....	41,956	Jan. 26	108	1045
Patterson & Cross, Chicago, Ill. Dried fruits.....	42,302	Mar. 29	109	1332
Patterson & Hohlfeld Manufacturing Company, Philadelphia, Pa. Hammocks of cotton, silk, and jute.....	42,570	May 10	110	592

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Pay, Rudolph J., New York, N. Y. Shampoo-powders.	42,572	May 10	110	593
Payne, George H., Omaha, Nebr. Stock-food.	43,374	Sept. 20	112	721
Pearshall, Samuel, New York, N. Y. Certain named dress goods.	43,526	Oct. 18	112	1739
Pease, Isaac M., Cincinnati, Ohio. Trusses.	42,371	May 10	110	592
Peck, Albert W., Traverse City, Mich. Remedies for certain named diseases.	43,478	Oct. 11	112	1471
Peck Bros. Co., Chicago, Ill. Valves, cocks, faucets, and nozzles.	42,738	May 31	110	1423
Peck & Co., Samuel W., New York, N. Y. Coats, trousers, and vests for boys and youths.	41,798	Jan. 5	108	280
Peck, Stowe & Wilcox Co., Southington, Conn. Scale-beams.	42,605	May 10	110	596
Peirce & Son, Thomas F., Providence, R. I. Leather boots and shoes.	41,856	Jan. 12	108	553
Perfection Welding Compound Co., Scranton, Pa. Welding compounds to be used in welding iron, steel, and other metals.	42,046	Feb. 9	108	1583
Perkins, Van Bergen & Co., Paris, France, and New York, N. Y. Dress goods.	42,565	May 10	110	592
Pernod, Oscar L., Couvet, Switzerland. Absinthe.	42,402	Apr. 19	109	2160
Perron Company of America, Chicago, Ill. Dust-laying antiseptics.	42,989	July 12	111	573
Peter Scott & Company, Ltd., Hawick, Scotland. Certain named knitted body-wear.	43,580	Oct. 25	112	2085
Peters Shoe Co., St. Louis, Mo. Leather shoes.	43,723	Nov. 23	113	1137
Petersen, Otto L., New York, N. Y. Certain named cement, plaster, or composition.	43,148	Aug. 9	111	1620
Phalanx Silk Mill, Jersey City, N. J. Woven silk fabrics.	43,829	Dec. 13	113	1961
Philadelphia Tapestry Mills, Philadelphia, Pa. Upholstery textile fabrics.	43,022	July 19	111	579
Philadelphia Tapestry Mills, Philadelphia, Pa. Upholstery textile fabrics.	43,744	Nov. 23	113	1139
Philadelphia Watch Case Co., Riverside, N. J. Watches, watchcases, and watch-movements.	43,909	Dec. 27	113	2495
Phipps, George, St. Paul, Minn. Medicine for diseases of the internal organs.	42,245	Mar. 15	109	801
Phoenix Nursery Co., Bloomington, Ill. Trees, plants, shrubbery, and the like.	43,955	Dec. 27	113	2500
Pike, Eleazer S., Boston, Mass. Coffee.	42,075	Feb. 16	108	1851
Pineule Medicine Co., Chicago, Ill. Certain named medicine.	42,130	Feb. 23	108	2138
Pineule Medicine Co., Chicago, Ill. Certain named medicine.	42,130	Feb. 23	108	2138
Pineule Medicine Co., Chicago, Ill. Certain named medicine.	42,131	Feb. 23	108	2138
Pineule Medicine Co., Chicago, Ill. Preparation for the alleviation and cure of certain named diseases.	42,660	May 24	110	1160
Pineule Medicine Co., Chicago, Ill. Medicated blackberry cordial.	42,661	May 24	110	1160
Pineule Medicine Co., Chicago, Ill. Liquid preparations for internal use.	42,732	May 31	110	1422
Pineule Medicine Co., Chicago, Ill. Remedy for certain named diseases.	42,894	June 28	110	2503
Pineule Medicine Company, Chicago, Ill. Medical preparations for certain named diseases.	42,893	June 28	110	2503
Pioneer Chemical Company, New York, N. Y. Plaster compound.	41,985	Feb. 9	108	1332
Pittsburg Stogie & Tobacco Co., Pittsburg, Pa. Stogies.	42,139	July 19	111	582
Pittsburg Window Glass Co., Pittsburg, Pa. Window-glass.	43,740	Nov. 23	113	1138
Pittsburgh Lamp, Brass & Glass Co., Pittsburg, Pa. Central-draft lamps.	42,089	Feb. 16	108	1856
Pittsburgh & Montana Copper Co., Butte, Mont. Copper pigs, bars, and slabs.	41,909	Jan. 19	108	791
Piver & Cie., L. T., Paris, France. Perfumed soap.	43,668	Nov. 8	113	543
Piver & Cie., L. T., Paris, France. Certain named toilet preparations.	43,669	Nov. 8	113	543
Piver & Cie., L. T., Paris, France. Certain named toilet preparations.	43,670	Nov. 8	113	543
Piver & Cie., L. T., Paris, France. Perfumed soap.	43,686	Nov. 8	113	544
Pix Liniment Co., Biscoe, N. C. Antiseptic liniments and ointments for external use.	43,308	Sept. 6	112	245
Planten, John R., New York, N. Y. Certain medicinal preparations.	43,325	Aug. 23	111	2314
Planten, John R., New York, N. Y. Certain medicinal preparations in capsules.	43,326	Aug. 23	111	2314
Platt, Clarence H., Brooklyn, N. Y. Medicine for rheumatism.	42,348	Apr. 5	109	1602
Flows Candy Company, St. Louis, Mo. Candy, candied fruit, and candied popcorn.	43,602	Oct. 25	112	2088
Plummer, Frederick G., London, England. Dentifrices.	42,269	Mar. 22	109	1063
Plymouth Cordage Co., Plymouth, Mass. Fibrous or textile rope and twine.	42,865	June 21	110	2320
Plymouth Cordage Company, Plymouth, Mass. Fibrous or textile rope and twine.	42,943	July 5	111	294
Plymouth Cordage Company, Plymouth, Mass. Fibrous or textile rope and twine.	42,944	July 5	111	294
Pohlman-Kipp Co., Spokane, Wash. Fruit-syrups, fruit extracts, crushed fruits, and glacéed fruits.	43,224	Aug. 23	111	2313
Poladura, Alejandro P., New Orleans, La. Cigars.	42,384	Apr. 12	109	1882
Poladura, Alejandro P., New Orleans, La. Cigars and cigarettes made of cigar-tobacco.	43,562	Oct. 25	112	2087
Pope, Joseph W., St. Louis, Mo. Coffee.	41,893	Jan. 19	108	799
Pope Manufacturing Company, Jersey City, N. J., and New York, N. Y. Certain named mechanically-propelled vehicles.	43,195	Aug. 16	111	1930
Postum Cereal Co., Limited, Battlecreek, Mich. Candy.	42,072	Feb. 16	108	1864
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,891	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,892	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,893	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,894	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,895	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,896	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,897	Dec. 20	113	2308
Poure & Co., Boulogne-sur-Mer, France. Metallic pens.	43,898	Dec. 20	113	2308
Pratt Food Company, Philadelphia, Pa. Internal remedy for worms.	42,449	Apr. 19	109	2164
Premier Manufacturing Company, Hartford, Conn. Light road-vehicles for pleasure use.	42,931	June 28	110	2506
Prentiss Vise Co., New York, N. Y. Vices.	43,852	Dec. 13	113	1963
Pressed Prism Plate Glass Company, Morgantown, W. Va. Slabs or plates of vitreous material.	43,457	Oct. 4	112	1208
Pressed Prism Plate Glass Company, Morgantown, W. Va. Slabs or plates of vitreous material.	43,458	Oct. 4	112	1208
Prent, Katherine I., Detroit, Mich. Hair-tonic.	43,880	Dec. 20	113	2307
Price, Berthold, St. Louis, Mo. Window-shades and window-shade fabrics.	42,157	Mar. 1	109	269
Priceley's Limited, Bradford, England, and New York, N. Y. Certain named cloth.	43,134	Aug. 9	111	1618
Proctor & White, Peoria, Ill. Chocolate-creams.	43,516	Oct. 25	112	2174
Prophylactene Chemical Co., Mount Joy, Pa. Dentifrices.	43,096	Aug. 2	111	1357
Puck Manufacturing Company, Des Moines, Iowa. Soap.	41,837	Jan. 5	108	284
Puigdenolas, Esteban, Barcelona, Spain. Playing-cards.	42,292	Mar. 29	109	1331
Puigdenolas, Esteban, Barcelona, Spain. Playing-cards.	42,293	Mar. 29	109	1331
Puigdenolas, Esteban, Barcelona, Spain. Cigarette-paper.	42,720	May 31	110	1421
Puigdenolas, Esteban, Barcelona, Spain. Cigarette-paper.	42,721	May 31	110	1421
Pure Gum Specialty Company, Barborton, Ohio. Rubber gloves.	42,011	Feb. 9	108	1579
Puro Manufacturing Company, New York, N. Y. Soap.	42,836	June 21	110	2327
Quee, Margaret A., Richmond, Va. Sleeping-draft.	42,418	Apr. 19	109	2162
Queen Manufacturing Co., New York, N. Y. Ladies' waists, dresses, skirts, and wraps.	42,069	Feb. 23	108	2134
Queens Run Fire Brick Co., Lock Haven, Pa. Fire-brick.	43,000	July 12	111	574
Quick, Jacques V., Wahpeton, N. D. Cold and cough cure.	42,727	May 31	110	1422
Quinn, Lorenzo D., Elkmont, Ala. Remedies for the treatment of certain named diseases.	43,565	Oct. 18	112	1743
R. Avenarius & Co., Stuttgart, Germany. Preservative liquid for the protection of wood.	42,357	July 5	111	295
R. H. Comey Company, Camden, N. J. Dyed and bleached straw and chip braids.	43,108	Aug. 2	111	1358
Radia Company, Durham, N. C. External remedy for certain named diseases.	42,375	Sept. 20	112	721
Radio-Sulpho Co., Denver, Colo. Remedies for certain named diseases.	43,201	Aug. 16	111	1381
Radium Manufacturing Co., Omaha, Nebr. Finger-rings.	43,551	Oct. 18	112	1741
Raines & Co., Ltd., Stockton-on-Tees, England. Metal-polishes.	41,891	Jan. 19	108	789
Raiston Purina Co., St. Louis, Mo. Animal-feed.	43,230	Sept. 6	112	246

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Ramona Candy Co., San Francisco, Cal. Tablet candy	43,141	Aug. 9	111	1619
Ramona Candy Company, San Francisco, Cal. Candy	43,087	Aug. 2	111	1356
Randolph Paper Box Co., Richmond, Va. Paper boxes	42,677	May 24	110	1161
Raphael Tuck & Sons, Limited, London, England. Picture post-cards and color-prints	42,528	May 3	110	299
Raum, Wilhelm, Nuremberg, Germany. Cream dressings for leather	41,890	Jan. 19	108	788
Rawlings Implement Co., Baltimore, Md. Plows, cultivators, and harrows	43,688	Nov. 8	113	544
Rawlings Implement Co., Baltimore, Md. Plows, cultivators, and harrows	43,936	Dec. 27	113	2498
Ray Oleophar Benevolent and Educational Institute and Club, Tampa, Fla. Ointments	42,574	May 10	110	593
Raymond Chemical Co., New York, N. Y. Soaps	41,990	Feb. 2	108	1322
Raymond Chemical Co., New York, N. Y. Hypnotic	43,420	Sept. 27	112	950
Raymond & Torwegge Hat Manufacturing Co., St. Louis, Mo. Hats and caps	43,827	Dec. 13	113	1961
Razorine Manufacturing Company, Limited, New York, N. Y., and London, England. Strop-dressing and preparations for sharpening razors and edge-tools	43,171	Aug. 16	111	1927
Read Carpet Company, Bridgeport, Conn. Rugs	43,023	July 19	111	799
Read, Clara M., Detroit, Mich. Skin-lotion	42,953	July 5	111	935
Ream, Robert L., Pitsburg, Pa. Leather boots and shoes	42,066	Feb. 16	108	1363
Reckitt & Sons, Ltd., Hull, England. Laundry starch	43,821	Dec. 6	113	1700
Reckitt & Sons, Ltd., Hull, England. Laundry starch	43,822	Dec. 6	113	1700
Rector Light Co., Stamford, Conn. Gas-burners and their several parts	43,682	Nov. 8	113	544
Red Oak Spring Co., Washington, D. C. Certain named mineral water	42,773	June 7	110	1718
Reed, Thomas B., Pleasant Hill, Mo. Cleaning compounds. Cutaneous metal or wooden articles	43,400	Sept. 20	112	723
Rees, David W., Needles, Calif. Antiseptic powder for certain named diseases	42,135	Feb. 23	108	2138
Regina Registrirkassen- und Präzisionswerkzeug-Fabrik, G. M. B. H., Berlin, Germany. Money-boxes, cash-registers, and calculating-machines	42,995	July 12	111	574
Reichard & Scheuber Manufacturing Company, New York, N. Y. Razors, safety-razors, and blades therefor	43,446	Oct. 4	112	1906
Reichard & Scheuber Mfg. Co., New York, N. Y. Safety-razors	42,187	Mar. 1	109	272
Reichard & Scheuber Mfg. Co., New York, N. Y. Safety-razors	42,188	Mar. 1	109	272
Reichard & Scheuber Mfg. Co., New York, N. Y. Safety-razors	43,046	July 19	111	802
Reinschild, Carl, New York, N. Y. Disinfectant	42,250	Mar. 15	109	801
Reisinger, Hugo, New York, N. Y. Tile-cooling machines	42,584	May 3	110	302
Reisinger, Hugo, New York, N. Y. Cork-extractors	42,559	May 3	110	302
Reiss & Brady, New York, N. Y. Dried and cured fruits	42,948	July 5	111	294
Reiss & Brady, New York, N. Y. Certain named food products	43,557	Oct. 18	112	1742
Reiss & Brady, New York, N. Y. Soap	43,653	Nov. 8	113	541
Reiss, Rudolf, Charlottenburg, Germany. Ointment and cutaneous preparations and remedies	43,198	Aug. 16	111	1929
Reiss, Rudolf, Charlottenburg, near Berlin, Germany. Cutaneous preparations and remedies	43,227	Aug. 23	111	2214
Reiter & Co., Andrew, Baltimore, Md. Baking-powder	43,685	Nov. 8	113	544
Restrock Powder Company, New York, N. Y. Blasting compounds and ingredients thereof	42,047	Feb. 9	108	1583
Restorff & Bettmann, New York, N. Y. Leather-polishing preparations	43,011	July 12	111	576
Retailers Specialty Mfg. Co., Haverhill, Mass. Leather boots and shoes	41,931	Jan. 26	108	1043
Retailers Specialty Mfg. Co., Haverhill, Mass. Leather boots and shoes	41,932	Jan. 26	108	1043
Reversible Collar Company, Boston and Cambridge, Mass. Shirt-fronts and false shirt-bosoms	42,654	May 24	110	1159
Rex Polish Company, Limited, York, Pa. Certain named blacking, dressing, and polish	42,670	May 24	110	1161
Reynell & Co., H. E. Kobe, Japan. Natural mineral water	42,980	July 12	111	572
Ricca, Joseph, New Orleans, La. Remedies for certain named diseases	43,842	Dec. 13	113	1963
Rice, Elwood E., Dayton, Ohio. Blood medicine	41,983	Feb. 2	108	1322
Rice, Eugene C., Washington, D. C. Medicine for the cure of diseases of the feet	43,754	Nov. 22	113	1140
Rice & Hutchins, Incorporated, Boston, Mass. Rubber boots and shoes and rubber for same	43,278	Sept. 6	112	242
Rice & Hutchins, Incorporated, Boston, Mass. Leather boots and shoes and leather for the same	43,797	Dec. 6	113	1697
Richards, Nancy D., New Philadelphia, Ohio. Compound for prevention and cure of sweating of the axilla	42,173	Mar. 1	109	271
Richardson Roberts Dry Goods Co., St. Joseph, Mo. Table and stand covers, towels, napkins, and doilies	42,525	May 3	110	298
Richmond Safety Gate Co., Richmond, Ind. Fire-doors for elevator-hatchways	43,037	July 19	111	801
Riedel, J. D., Berlin, Germany. Medicinal preparation for certain named diseases	41,917	Jan. 19	108	731
Rives Milling Company, Rives, Tenn. Wheat-flour	42,493	Apr. 26	109	2435
Roberts, Fred H., Boston, Mass. Chocolate bonbons and other chocolate confections	42,844	June 21	110	2228
Roberts, Joseph S., Hillsboro, Ill. Tooth-paste, tooth-powder, and liquid mouth-wash	42,268	Mar. 22	109	1062
Roberts, Lewis, New York, N. Y. Printing-ink	42,616	May 17	110	853
Roberts, Lewis, New York, N. Y. Printing-ink compounds	42,617	May 17	110	852
Roberts, Robert, London, England. Insect-powder	43,844	Dec. 13	113	1963
Robin & Co., Jules, Cognac, France. Brandy	42,666	May 24	110	1160
Robin Hood Powder Company, Swanton, Vt. Shells for ammunition	43,813	Dec. 6	113	1699
Robinson & Co., B. N., Coaticook, Canada. Remedies for diseases of women in tablet form	43,447	Oct. 4	112	1207
Robinson, Walstein E., Bellport, N. Y. Playing-cards	43,151	Aug. 9	111	1620
Robinson, William H., Brooklyn, N. Y. Mattresses	43,319	Sept. 13	112	494
Robt H. Ingersoll & Bro., New York, N. Y. Certain named composition	42,622	Nov. 1	113	274
Rock Island Skirt Company, Rock Island, Ill. Women's outer or walking skirts	43,159	Aug. 16	111	1926
Rodemann & Dorn, Newark, N. J. Toy furniture	42,357	Apr. 12	109	1879
Rodney, John L., Wellington, Kans. Yeast	42,382	Apr. 12	109	1882
Roeseler & Hasslacher Chemical Co., New York, N. Y., and Perth Amboy, N. J. Certain named chemicals	42,855	June 21	110	2229
Rogers, Amos, Ottawa, Canada. Medicinal tablets for certain named diseases	42,266	Mar. 22	109	1062
Rogers, James M., Macon, Ga. Cantaloups	43,872	Dec. 20	113	2206
Rogers, Otis J., Chicago, Ill. Certain named printed matter	43,295	Sept. 6	112	244
Rogers & Thompson, New York, N. Y. Silk dress-goods	42,524	May 3	110	298
Rogers & Thompson, New York, N. Y. Dress-piece goods	42,566	May 10	110	592
Rogers & Thompson, New York, N. Y. Silk dress-goods	42,751	June 7	110	1715
Rogers & Thompson, New York, N. Y. Silk goods in the piece	43,553	Oct. 18	112	1742
Rona, Imra, Budapest, Austria-Hungary. Certain named dental materials	43,042	July 19	111	842
Roncoroni, Pietro, New York, N. Y. Canned tomatoes	42,712	Mar. 31	110	1420
Roncoroni, Pietro, New York, N. Y. Canned vegetables and fruits	42,713	May 31	110	1420
Rooney, Rosanna, New York, N. Y. Remedies for obesity, rheumatism, and gout	43,657	Nov. 8	113	541
Rosen & Herman, New York, N. Y. Men's and boys' overshirts of all kinds	42,102	Feb. 23	108	2135
Rosenheim & Sons, Jos., Savannah, Ga. Leather boots and shoes	42,759	June 7	110	1716
Rosenwald & Weil, Chicago, Ill. Coats, vests, trousers, overcoats, and raincoats	43,725	Nov. 22	113	1137
Roseville Pottery Co., Zanesville, Ohio. Hand-decorated under-glazed art pottery	43,793	Nov. 29	113	1412
Ross, Walter D., Worcester, Mass. Seed-corn	43,859	Dec. 20	113	2204
Royal Milling Co., Greatfalls, Mont. Wheat-flour	42,669	May 24	110	1161
Royal Milling Company, Greatfalls, Mont. Wheat-flour	42,405	Apr. 19	109	2160
Rubens & Marble, Chicago, Ill. Undershirts	42,796	June 14	110	2007
Rubinsky, Lande & Co., New York, N. Y. Leather shoes	43,938	Dec. 27	113	2498
Russell, Burdall & Ward Bolt & Nut Co., Port Chester, N. Y. Carriage-bolts	42,281	Mar. 22	109	1064
Russian-American India Rubber Co., St. Petersburg, Russia. Rubber sponges	41,905	Jan. 19	108	790
S. Hamill Company, Keokuk, Iowa. Canned and bottled fruits and vegetables	42,180	Mar. 1	109	271

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S. Hamill Company, Keokuk, Iowa. Certain named flours	42,882	June 28	110	2502
S. Langsdorf & Co., New York, N. Y. Coker-chips	42,883	June 21	110	2522
S. B. Goff & Sons Co., Camden, N. J. Certain named medical compounds	42,885	Sept. 13	112	493
Sail Mountain Asbestos Mfg. Co., Chicago, Ill. Composition roofing	41,881	Jan. 12	108	556
Samuel Cupples Wooden Ware Company, St. Louis, Mo. Wrapping-paper	42,883	June 14	110	2010
Sander, Charles, Philadelphia, Pa. Tenebrife-lace constructors	42,308	Mar. 29	109	1332
Sanders, Herman H., New York, N. Y. Cigars	43,611	Nov. 1	113	273
Sanders, Herman H., New York, N. Y. Shirts and drawers	43,760	Nov. 29	113	1409
Sanford Manufacturing Company, Chicago, Ill. Ink	42,278	Mar. 22	109	1063
Sanguinetti & Cie., Ferro, Genoa, Italy. Olive-oil	42,323	Apr. 5	109	1600
Sanguinetti & Cie., Ferro, Genoa, Italy. Olive-oil	42,404	Apr. 19	109	2160
Sanitary Co., Cleveland, Ohio. Faucets	43,952	Dec. 27	113	2500
Sanitas Condensed Milk Co., Seattle, Wash. Condensed milk	41,947	Jan. 25	108	1045
Sanitas Condensed Milk Co., Seattle, Wash. Condensed Milk	43,263	Aug. 30	111	2486
Sanitas Nut Food Co., Ltd., Battlereck, Mich. Food preparations from nuts, cereals, and legumes	41,874	Jan. 19	108	108
Santabong Cutch & Tanning Extract Co., Ltd., London, England. Cutch	42,621	May 17	110	852
"Sarotti," Chokoladen- & Cacao-Industrie, Aktiengesellschaft, Berlin, Germany. Confectionery	43,659	Nov. 8	113	542
Savage, Marion W., Minneapolis, Minn. Antiseptics and germicides	41,815	Jan. 5	108	281
Savage, Marion W., Minneapolis, Minn. Worm-powder	41,816	Jan. 5	108	282
Savage, Marion W., Minneapolis, Minn. Healing-oil	41,817	Jan. 5	108	282
Savage, Marion W., Minneapolis, Minn. Heave cure	41,818	Jan. 5	108	282
Savage, Marion W., Minneapolis, Minn. Poultry-food	41,874	Jan. 19	108	555
Savage, Marion W., Minneapolis, Minn. External remedy for galls, sores, cuts, and bruises	42,532	May 3	110	299
Savage, Marion W., Minneapolis, Minn. Dip for external use	43,207	Aug. 16	111	1931
Sayen, Osgood, Philadelphia, Pa. Asbestos and rubber packing	43,639	Nov. 1	113	276
Schaefer Chemical Company, Portland, Me., and Boston, Mass. Antiseptic emollient	42,249	Mar. 15	109	801
Schaft, John A., Chicago, Ill. Yarn	42,495	Oct. 12	110	854
Scherer & Glatz, New York, N. Y. Ointments and ointment bases	42,451	Apr. 19	109	2165
Scheuer & Bro., New York, N. Y. Clasp for certain named articles	42,685	May 24	110	1162
Schieffelin & Co., New York, N. Y. Local anesthetic	43,837	Dec. 13	113	1962
Schilt, August, North Greenwich, Conn. Cigars and cheroots	42,667	May 24	110	1160
Schloss, Joseph W., New York, N. Y. Cigars	42,495	Oct. 12	110	854
Schmeltzer Bros., Pottsville, Pa. Certain named beverages	42,715	May 31	110	1421
Schmidt, George A., Chicago, Ill. Toilet soaps in liquid and solid form	42,620	Aug. 17	110	832
Schnadt, Frederick L., Chicago, Ill. Drinking-water	43,585	Oct. 18	112	1740
Schneck, John J., Milwaukee, Wis. Salt herring and mackerel and dried stock fish	42,947	July 5	111	294
Schneider, August, Lutrohe, Pr. Antiseptics and washes for the mouth and teeth	42,055	July 19	111	1031
Schneker, Henry F., Fort Wayne, Ind. Mineral water	42,400	Apr. 19	109	2160
Schoettel, E. A. & A. G., New York, N. Y. Sound-magnifying horns	43,056	Apr. 12	109	1879
Schornstein-Aufsatz- und Blechwaren-Fabrik J. A. John, Aktien-Gesellschaft, Ilversgehofen, Germany. Chimney-tops	42,053	Feb. 9	108	1584
Schornstein-Aufsatz- und Blechwaren-Fabrik J. A. John, Aktien-Gesellschaft, Ilversgehofen, Germany. Steam washing-machines	42,054	Feb. 9	108	1584
Schott & Gen., Jena, Germany. Lamp-glasses	42,302	Sept. 6	112	214
Schott & Gen., Jena, Germany. Lamp-glasses	43,303	Sept. 6	112	214
Schreier, William H., Rochester, N. Y. Infants' and children's leather shoes	42,263	Mar. 22	109	1062
Schulke & Mayr, Hamburg, Germany. Disinfectants and deodorizers	41,814	Jan. 5	108	281
Schulz, Friedrich A., Leipzig, Germany. Antiseptics and washes for the mouth and teeth	42,632	May 24	110	1159
Schutte, Louis, Philadelphia, Pa. Valves and swing-joints	42,346	Apr. 5	109	1602
Schwanhäusser, Gustav, Nuremberg, Germany. Certain named pencils and crayons	42,291	Mar. 29	109	1331
Schwartz, Benjamin F., New York, N. Y. Adhesive stamps, labels, and tags	42,941	July 5	111	294
Schweichardt, R. & F. S., St. Louis, Mo. Certain named perfumed preparations	42,936	Oct. 18	112	1740
Scott, Drummond O., Chicago, Ill. Tonics and blood-purifiers	43,407	Oct. 11	112	1471
Scott Egg Noodle Co., Cleveland, Ohio. Macaroni and egg-noodles	42,946	July 5	111	294
Scott Paper Co., Philadelphia, Pa. Toilet-paper	41,811	Jan. 5	108	283
Scott Paper Co., Philadelphia, Pa. Toilet-paper	41,832	Jan. 5	108	283
Scott Paper Co., Philadelphia, Pa. Toilet-paper	42,479	Apr. 26	109	2434
Scott & Woodrow, Columbus, Ohio. Baled hay	42,480	Apr. 26	109	2431
Sea Breeze Chemical Co., Birmingham, Ala. Certain named toilet preparations	43,399	Sept. 20	112	723
Seabury, Benjamin H., Tacoma, Wash. Antiriction and Babbitt metals	42,889	Apr. 12	109	1882
Seabury & Johnson, East Orange, N. J., and New York, N. Y. Sanitary napkins	42,174	Mar. 1	109	271
Seals Manufacturing Co., Newark, N. J. Certain named bath-room specialties	43,202	Sept. 6	112	245
Seeman Bros., New York, N. Y. Canned and bottled fruits and vegetables	42,883	June 28	110	2502
Selwyn Importing & Trading Co., New York, N. Y. Perfumes	41,988	Feb. 2	108	1322
Selwyn Importing & Trading Co., New York, N. Y. Perfumes	41,989	Feb. 2	108	1322
Serum Laboratorium Ruete-Enoch, Hamburg, Germany. Curative serum	43,708	Nov. 15	113	432
Shaffer, Charles E., Halton, Pa. Account, bank, and time books	42,525	Oct. 18	112	1739
Shamrock Stock Food Co., Brooklyn, N. Y. Food for animals	43,437	Apr. 19	109	2163
Sharood, Charles K., St. Paul, Minn. Leather shoes	43,607	Nov. 1	113	272
Shaw Preserve Company, Ontario, Cal. Fruit preserves, jams, jellies, and fruit condiments	43,556	Oct. 18	112	1742
Shawnee Gasket Manufacturing Company, Shawnee, Okla. Ter. Overall, pants, and jumpers	43,434	Oct. 4	112	1205
Shendal Pharmaceutical Company, Hot Springs, Ark. Liquid remedies for skin diseases	43,776	Nov. 20	113	1411
Shepard & Co., Otis, Pittsburg, Pa. Canned vegetables and canned fruits	42,317	Apr. 5	109	1599
Shepard & Co., Otis, Pittsburg, Pa. Canned fish	43,180	Aug. 16	111	1928
Shepard & Co., Otis, Pittsburg, Pa. Olives and pickles	43,181	Aug. 16	111	1928
Shilling, Alfred J., Chicago, Ill. Ointments used as a remedy for certain named diseases	42,247	Mar. 15	109	801
Shimanovsky, Richard F., Milwaukee, Wis. Herb tea	42,326	Apr. 5	109	1600
Short & Mason, Ltd., London, England. Barometers	42,789	Nov. 29	113	1412
Short & Mason, Ltd., London, England. Anemometers	43,906	Dec. 20	113	2310
Short & Mason, Ltd., London, England. Compasses	43,907	Dec. 20	113	2310
Shotwell Mfg. Co., Chicago, Ill. Confectionery	43,248	Aug. 30	111	2484
Shupe-Williams Candy Co., Ogden, Utah. Confectionery	42,825	June 14	110	2010
Shuster & Baer Aktiengesellschaft, Berlin, Germany. Stoves and their parts	42,825	Mar. 22	109	1064
Siccardi, Enrico P., New York, N. Y. Medicines for affections of the throat and teeth	42,922	Dec. 27	113	2496
Siegel & Co., J., Detroit, Mich. Corsets	42,758	June 7	110	1715
Siegel & Co., J., Detroit, Mich. Corsets	42,877	June 28	110	2501
Siegel & Co., J., Detroit, Mich. Corsets	43,012	Dec. 27	113	2485
Siegel & Co., J., Detroit, Mich. Corsets	42,830	Apr. 19	109	2159
Siegel Cooper Company, New York, N. Y. Suits for boys	42,961	July 5	111	296
Siegel, Samuel, New York, N. Y. Certain named stringed instruments	43,326	Sept. 13	112	492
Siemssen & Co., Hamburg, Germany. Cotton fabrics	43,327	Sept. 13	112	492
Siemssen & Co., Hamburg, Germany. Cotton fabrics	43,328	Sept. 13	112	492
Siemssen & Co., Hamburg, Germany. Cotton fabrics	43,329	Sept. 13	112	492
Siemssen & Co., Hamburg, Germany. Cotton fabrics	43,330	Sept. 13	112	492

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Name, residence, and title.	No.	Date.	Official Gazette.	
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Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,347	Sept. 13	112	494
Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,367	Sept. 20	112	720
Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,368	Sept. 20	112	720
Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,369	Sept. 20	112	720
Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,370	Sept. 20	112	720
Siemssen & Co., Hamburg, Germany. Cotton fabrics.....	43,430	Oct. 4	112	1205
Sievert, Louis, Fort Wayne, Ind. Tooth-powder.....	43,145	Aug. 9	111	1619
Sigurdson, Asvaldur, Warrenton, Oreg. Canned clams.....	43,833	Dec. 13	113	1691
Silbermann, Kohn & Wallenstein, New York, N. Y. Certain named articles of jewelry.....	42,830	June 21	110	2226
Sill Stove Works, Rochester, N. Y. Heating and cooking stoves or ranges, furnaces, and parts thereof.....	41,843	Jan. 5	108	284
Silver & Co., New York, N. Y. Certain named bath-fittings.....	42,965	July 5	111	296
Silver & Co., New York, N. Y. Oil-stoves and gas-stoves.....	42,966	July 5	111	296
Silver & Co., Brooklyn and New York, N. Y. Roasting-pans.....	43,849	Dec. 13	113	1963
Simons, Hatch and Whitten Company, Boston, Mass. Shirts, collars, and cuffs.....	42,836	July 5	111	233
Singer Manufacturing Co., New York, N. Y. Sewing-machines, attachments, and parts thereof.....	42,515	Apr. 26	109	2437
Sitterley, James E., New York, N. Y. Sewing-machines and their attachments.....	42,644	May 17	110	854
Slack & Griggs, Harper City, Kans. Medical compound for correction of foot troubles.....	42,216	Mar. 8	109	545
Slatington Textile Manufacturing Co., Slatington, Pa. Silks.....	42,005	Feb. 9	108	1579
Slatington Textile Manufacturing Co., Slatington, Pa. Silks.....	42,006	Feb. 9	108	1579
Sleeper, Joseph J., Philadelphia, Pa. Dry milk and compounds thereof.....	42,534	Oct. 18	112	1740
Smalley, Robert J., Cambridge Springs, Pa. Remedy for the cure of asthma and similar diseases.....	43,508	Oct. 11	112	1473
Smith Bros. Co., Ltd., New Orleans, La. Tea.....	42,839	June 21	110	2227
Smith, Channing, Leicester, Mass. Flannel cloth.....	43,863	Dec. 20	113	2204
Smith, Harry D., Philadelphia, Pa. Grease or lubricant in solid form.....	42,106	Feb. 23	108	2135
Smith, Hogg & Co., New York, N. Y. Cotton and partly-cotton fabrics.....	42,733	May 31	110	1229
Smith, Hogg & Co., New York, N. Y. Blankets and like protective coverings.....	42,359	Apr. 12	109	1880
Smith, Kline & French Co., Philadelphia, Pa. Antiseptic or disinfectant preparations.....	43,504	Oct. 11	112	1473
Smith, Lewis C., New York, N. Y. Certain named musical instruments.....	43,218	Aug. 23	111	2213
Smith, Lichty & Hillman Co., Waterloo, Iowa. Pie-fruits, dried fruits, preserved fruits, fruit-jellies, fruit-juices, and fruit-cakes.....	41,872	Jan. 12	108	555
Smith, Lizzie S., Brooklyn, N. Y. Medical remedy for certain named diseases.....	42,955	July 5	111	295
Smokeless Fuel Co., Charleston, W. Va. Coal and coke.....	42,003	Feb. 2	108	1324
Sneeze Company, Rensselaer, N. Y. Medicine for the cure of certain named diseases.....	42,482	Apr. 26	109	2434
Snyder Medicine Co., J. H. Jonesboro, Ark. Liniment.....	42,657	May 24	110	1159
Société Anonyme des Chocolats au Lait F. L. Cailler, Broc, Switzerland. Chocolates.....	42,179	Mar. 1	109	271
Société Anonyme Louis Brandt & Frère, Bienne, Switzerland. Watchcases, watch-movements, and dials therefor.....	43,708	Nov. 15	113	843
Société Anonyme "Luna," Lausanne, Switzerland. Photographic paper and films.....	42,861	June 21	110	2229
Société Anonyme "Luna," Lausanne, Switzerland. Photographic paper and films.....	42,862	June 21	110	2230
Société L'oxythine, Paris, France. Certain named drugs and chemicals.....	42,732	May 31	110	1229
Society, Joseph C., New York, N. Y. Salves.....	43,843	Dec. 13	113	1962
Soltmann, Edward G., New York, N. Y. Wrapping or building paper and paper-board.....	43,005	July 12	111	575
Soltmann, Edward G., New York, N. Y. Wrapping or building paper and paper-board.....	43,006	July 12	111	575
Soluro (Thymic Acid) Company, Limited, London, England. Certain named medicine.....	43,069	Aug. 2	111	1356
Sonne Otto, Boston, Mass. Paraphernalia.....	42,144	Feb. 23	108	2130
Sonneborn Sons, L., Baltimore, Md. Lubricating-oils and lubricating greases and pastes.....	43,381	Sept. 20	112	722
Southern Baking Powder Co., Nashville, Tenn. Baking-powder.....	43,609	Nov. 1	113	272
Southern Soda Works Co., Nashville, Tenn. Baking-powder and cooking-soda.....	43,223	Aug. 23	111	2213
Speidel, Frederick W., Senath, Mo. Cure for stomach complaints.....	43,395	Oct. 25	112	2088
Sperry and Hutchinson Company, New York, N. Y. Premium-stamps.....	42,475	Apr. 26	109	2434
Sperry and Hutchinson Company, New York, N. Y. Premium-stamps.....	43,488	Oct. 11	112	1471
Spiegel, Morris, Albany, N. Y. Liniment for external use.....	42,370	Apr. 12	109	1881
Stadeker, Leonard J., Chicago, Ill. Cigars.....	43,183	Aug. 16	111	1929
Stamford Mfg. Co., Stamford, Conn. and New York, N. Y. Tanning extract.....	43,303	Oct. 11	112	1473
Standard Card Game Co., Waterbury, Conn. Laying-cards.....	43,345	Sept. 13	112	494
Standard Dental Mfg. Co., Philadelphia, Pa. and New York, N. Y. Porcelain teeth.....	43,362	Aug. 30	111	2486
Standard Electrical Mfg. Co., Niles, Ohio. Incandescent electric lamps.....	43,301	Sept. 6	112	244
Standard Gauge Manufacturing Company, Syracuse, N. Y. Pressure and vacuum gages.....	42,396	Apr. 19	109	2159
Standard Manufacturing Company, Cambridge City, Ind. Chairs.....	42,033	May 24	110	1163
Standard Manufacturing Company, Anderson, Ind. Toy wagons.....	43,034	July 19	111	801
Standard Paint Company, New York, N. Y. Insulating-tape.....	42,640	May 17	110	853
Standard Pressed Steel Co., Philadelphia, Pa. Shaft-hangers.....	42,516	Apr. 26	109	2437
Standard Scale and Foundry Company, Kansas City, Mo. Wagon-scales.....	43,123	Aug. 2	111	1390
Standard Soap Company, San Francisco, Cal. Scouring-soap.....	42,211	Mar. 8	109	544
Standard Table Oil Cloth Co., New York, N. Y. Oil-cloth wall-covering.....	42,694	May 24	110	1163
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	42,596	May 10	110	595
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	42,809	June 14	110	3008
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	43,146	Aug. 9	111	1619
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	43,147	Aug. 9	111	1620
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	43,280	Sept. 6	112	243
Standard Varnish Works, New York, N. Y. Certain named paints and painters' supplies.....	43,850	Dec. 20	113	2208
Standard Water Purifying Co., Cleveland, Ohio. Purified water.....	41,892	Jan. 19	108	798
Star Engravers Supply Company, New York, N. Y. Engravers' plates.....	42,968	July 5	111	296
Star Expansion Bolt Co., New York, N. Y. Expansion-bolts, their parts and appliances.....	42,908	June 28	110	2504
Star Expansion Bolt Co., New York, N. Y. Expansion-bolts, their parts and appliances.....	42,909	June 28	110	2504
Starkweather, Oakley B., Grand Rapids, Mich. Pillows.....	42,823	Aug. 23	111	2213
Starr, William M., Washington, D. C. Remedies for certain named diseases.....	42,068	Feb. 18	108	1863
Steeves, John W., Baltimore, Md. Apparatus for administering electric currents to invalids.....	43,012	July 12	111	576
Steiger, Peter, Baltimore, Md. Trunks.....	43,034	Dec. 27	113	2497
Steiner & Son, Asbury Park, N. J. Night-robes and pajamas.....	43,331	Sept. 13	112	493
Steinway & Sons, New York, N. Y. Pianos.....	41,930	Jan. 26	108	1046
Stenzle Manufacturing Co., San Francisco, Cal. Depilatory mixture.....	42,635	May 17	110	853
Sterling Pickling Works, St. Joseph, Mo. Pickles.....	41,896	Jan. 19	108	799
Sterling Whip Co., Westfield, Mass. Plaited or braid-covered whips.....	42,639	May 17	110	853
Stern & Pohly, Paterson, N. J. Silk fabrics.....	43,491	Oct. 11	112	1472
Stern & Co., S., New York, N. Y. Cullinary ware made of pickle.....	43,519	Oct. 11	112	1474
Steuben Glass Works, Corning, N. Y. Certain named glassware.....	43,287	Sept. 6	112	243
Stewart Silk Company, New York, N. Y. Silk dress goods.....	41,936	Jan. 26	108	1043
Stewart Silk Company, Easton, Pa. and New York, N. Y. Silks.....	42,260	Mar. 22	109	1662
Stiles-Freas-Smith Company, Elmer, N. J. Ladies' wrappers and dressing-sacks.....	43,533	Sept. 13	112	493
Stivers, James J., New York, N. Y. Musical instrument.....	43,264	Aug. 30	111	2486
Stock Food Company of America, Minneapolis, Minn. Stock-food.....	43,164	Aug. 16	111	1926
Stoepel, Herman R., Detroit, Mich. Certain named clothing.....	43,109	Aug. 2	111	1358
Stone Bros., Chicago, Ill. Rings.....	42,873	June 28	110	2501
Stransky, Maurice, New York, N. Y. Metallic containing vessels and utensils.....	43,547	Oct. 18	112	1741

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Strasburger & Co., Byron L., New York, N. Y. Watch-movements	43,346	Sept. 13	112	494
Strause, Henry P., New York, N. Y. Cigarettes	43,318	Sept. 6	112	246
Strause, Henry P., New York, N. Y. Cigarettes	43,473	Oct. 11	112	1470
Strause, Henry P., New York, N. Y. Cigarettes	43,474	Oct. 11	112	1470
Strause, Henry P., New York, N. Y. Cigarettes and tobacco therefor	43,772	Nov. 9	113	1410
Strauss & Co., London, England. Whisky	42,072	Feb. 16	108	1864
Strauss & Co., London, England. Whisky	42,080	Feb. 16	108	1864
Strehlow, Max, New York, N. Y. Certain named non-alcoholic beverages and extracts for making the same	42,840	June 21	110	2227
Strickland, Pady D., Waycross, Ga. Liquid proprietary medicines	42,328	Apr. 5	109	1600
Stroemer, Emil, Peru, Ill. Sheet metal	43,453	Oct. 4	112	1207
Stroebauer, Jacob, Caro, Mich. Certain named horse and cattle remedies and preparations	42,852	June 21	110	2229
Stromeyer & Metzler, Philadelphia, Pa. Table-syrups made from cane-sugar	42,585	May 10	110	594
Stuer, Marguerite, Lawrence, Mass. Salves and ointments	43,658	Nov. 8	113	541
Stumpf & Steurer, New York, N. Y. Periodical or magazine	43,605	Nov. 8	113	272
Suburban Gas Co. of Philadelphia, Chester, Pa. Coke	42,508	June 14	110	2008
Sullivan, Maurice, Milwaukee, Wis. Blood-purifying tea	42,950	July 5	111	924
Sun Company, Marcus Hook, Pa. Asphalt, asphalt products, and bituminous material	43,485	Oct. 11	112	1471
Sun Vapor Street Light Company, Canton, Ohio. Vapor-lamps, mantles, and parts thereof	43,635	Nov. 1	113	274
Sunbrights California Food Company, Los Angeles, Cal. Foods for invalids and infants	43,881	Dec. 20	113	2307
Sunbrights California Food Company, Los Angeles, Cal. Foods for invalids and infants	43,882	Dec. 20	113	2307
Supplee Hardware Co., Philadelphia, Pa. Shovels, spades, scoops, and spading-forks	42,560	May 3	110	302
Supplee Hardware Co., Philadelphia, Pa. Shovels, spades, scoops, and spading-forks	42,788	June 7	110	1719
Supplee Hardware Company, Philadelphia, Pa. Axes, hatchets, and adzes	42,050	Feb. 9	108	1883
Süssmann & Hoffmann, Erfurt, Germany. Legumine malt preparations	42,888	June 28	110	2502
Sutchell & Swift, Pawtucket, R. I. Certain named braids	42,874	June 28	110	2501
Suter Hartmann & Rajtchen's Composition Company, Limited, London, England. Paints and anticorrosives	43,598	Oct. 25	112	2086
Swartley, Harry M., Keywest, Fla. Castor-oil	42,270	Mar. 22	109	1063
Swift Brothers, Memphis, Mo. Laxative and mildly-purgative medicine	43,283	Sept. 6	112	243
Swindler, William M., Pittsburg, Pa. Coffee	42,736	May 31	110	572
Swohoda, Hans O., New York, N. Y. Certain named electrical apparatus	42,906	June 28	110	2504
Sylvan Manufacturing Company, Pittsburg, Pa. Unctuous mixture for protecting metal	42,553	May 3	110	301
Symons, Ernest C., Manchester, England. Cotton dress goods in the piece	43,712	Nov. 15	113	843
Syndicate Trading Company, Passaic, N. J., and New York, N. Y. Linen fabrics	43,743	Nov. 22	113	1189
Syracuse Cutlery Company, Syracuse, N. Y. Razors	43,545	Oct. 18	112	1741
T. I. Smith Co., North Attleboro, Mass. Buttons and studs	42,736	May 31	110	1423
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa. Certain named meats	42,318	Apr. 5	109	1599
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa. Lard	42,319	Apr. 5	109	1600
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa. Lard substitute and lard compound	42,548	May 3	110	301
Tacoma Grain Company, Tacoma, Wash. Wheat-flour	41,978	Feb. 2	108	1321
Talmadge, John J., Minneapolis, Minn. Footwear composed wholly or in part of rubber	42,568	May 10	110	392
Tanty, Jean C., New York, N. Y. Certain named games	43,550	Oct. 18	112	1741
Taro Food Co., Incorporated, Danbury, Conn. Prepared food for infants and invalids	42,846	June 21	110	2228
Tarrant Company, New York, N. Y. Remedy for dyspepsia, indigestion, and other stomach troubles	42,296	Mar. 29	109	1331
Taunton-New Bedford Copper Co., Taunton, Mass. Sheets and bars of brass or copper or alloys thereof	43,423	Sept. 27	112	950
Taylor, Ronald, New York, N. Y. Building materials for certain named purposes	43,549	Oct. 18	112	1741
Taylor, Thomas J., New York, N. Y. Celluloid or imitation tortoise-shell hair-pins	41,849	Jan. 12	108	552
Teapio Company, Louisville, Ky. Tonic beverage	43,025	July 19	111	800
Templeton, Eveleen, Keyport, N. J. Powder for use in destroying bedbugs	42,806	June 14	110	2008
Ternutzer Stahl- und Eisenwerke von Schoeller & Co., Ternitz and Vienna, Austria-Hungary. Iron and steel and certain named iron and steel manufactures	42,606	May 10	110	596
Tetlow Manufacturing Company, Philadelphia, Pa. Face-powders	43,510	Oct. 11	112	1473
Tetlow Manufacturing Company, Philadelphia, Pa. Face-powders	43,671	Nov. 8	113	543
Textile Fireproofing Co., New York, N. Y. Fireproof garments	43,748	Nov. 22	113	1139
Thetrup, Nils, Newcastle-on-Tyne, England. Composition for cleaning and polishing metals or metallic alloys	42,990	July 12	111	573
Thiébaud, Camille, Paris, France. Waved or corrugated cardboard for packing purposes	43,384	Sept. 20	112	722
Thomas, George M., Hagerstown, Md. Prepared and mixed food for stock and poultry	42,494	Apr. 26	109	2435
Thomas, James W., Hodgenville, Ky. Medicinal salves	42,770	June 7	110	1717
Thompson, John A., Mayville, N. Y. Remedy for hemorrhoids or piles	43,585	Dec. 20	113	2207
Thompson Medical Company, Titusville, Pa. Ointment	41,987	Feb. 2	108	1322
Thomsen Chemical Company, Baltimore, Md. Spray mixture designed for the treatment of fruit-trees	43,192	Aug. 16	111	1990
Thorn & Co., J. W., Philadelphia, Pa. Green apples in barrels	43,929	Dec. 27	113	2497
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour	42,109	Feb. 23	108	2135
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour	42,110	Feb. 23	108	2135
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour	42,111	Feb. 23	108	2136
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour	43,440	Oct. 4	112	1206
Ticknor & Co., Canton, Mass. Skirt-binding braids	42,592	May 8	110	298
Tiffany Furnaces, Hoboken, N. J., and Corona, N. Y. Decorative glassware	42,012	Feb. 9	108	1579
Todd, Everard M., Smithfield, Va. Ham and bacon	43,926	Dec. 27	113	2497
Toke Point Oyster Co., Tacoma, Wash. Oysters in canned and bulk form	42,325	Mar. 15	109	800
Toledo Biscuit Company, Toledo, Ohio. Crackers	43,467	Oct. 11	112	1469
Toledo Elevator Co., Toledo, Ohio. Feed for livestock	43,698	Nov. 1	113	276
Tonic Tablet Co., Detroit, Mich. Remedy for curing certain named diseases	43,143	Aug. 9	111	1619
Tripoli Manufacturing Company, Cheyenne, Wyo., and Denver, Colo. Cleaning, scouring, and polishing compounds	42,887	June 21	110	2227
Tuckapaw Medicine Company, Mesquite, Tex. Remedy for certain named diseases	43,093	Aug. 2	111	357
Tweed, William J., Milville, N. J. Granular glassware	43,173	Aug. 16	112	1287
20th Century Coal Co., Columbus, Ohio. Bituminous coal	42,048	Feb. 9	108	1383
Tyler, William B., Camden, N. J. Certain named cleaning and polishing preparations	42,924	June 28	110	2506
Udny, Giovanni B., Brooklyn, N. Y. Liquid compound or composition for cleaning and polishing glass and metal	42,595	May 10	110	595
Udon Manufacturing Co., St. Louis, Mo. Deodorizing toilet preparations	43,732	Nov. 22	113	1187
Uehling-Decker Company, Passaic, N. J. Portable search-lights	43,344	Sept. 13	112	494
Underwood & Judd, Gardner, Mass. Dyspepsia remedies	42,483	Apr. 26	109	2434
Ungarische Gummiwarenfabrik Aktiengesellschaft, Budapest, Austria-Hungary. Rubber and asbestos packing	42,942	July 5	111	294
Union Carbide Company, Niagara Falls, N. Y., and Chicago, Ill. Carbon-blacks	43,341	Sept. 13	112	493
Union Fibre Co., Winona, Minn. Flax-iber products for certain named purposes	42,492	Apr. 19	109	1183
Union Match Company, Duluth, Minn. Friction-matches	43,517	Oct. 11	112	1474
Union Match Company, Duluth, Minn. Friction-matches	43,518	Oct. 11	112	1474
United Lead Company, New York, N. Y. White and red lead	42,305	Mar. 29	109	1332

Alphabetical list of registrants of trade-marks—Continued.

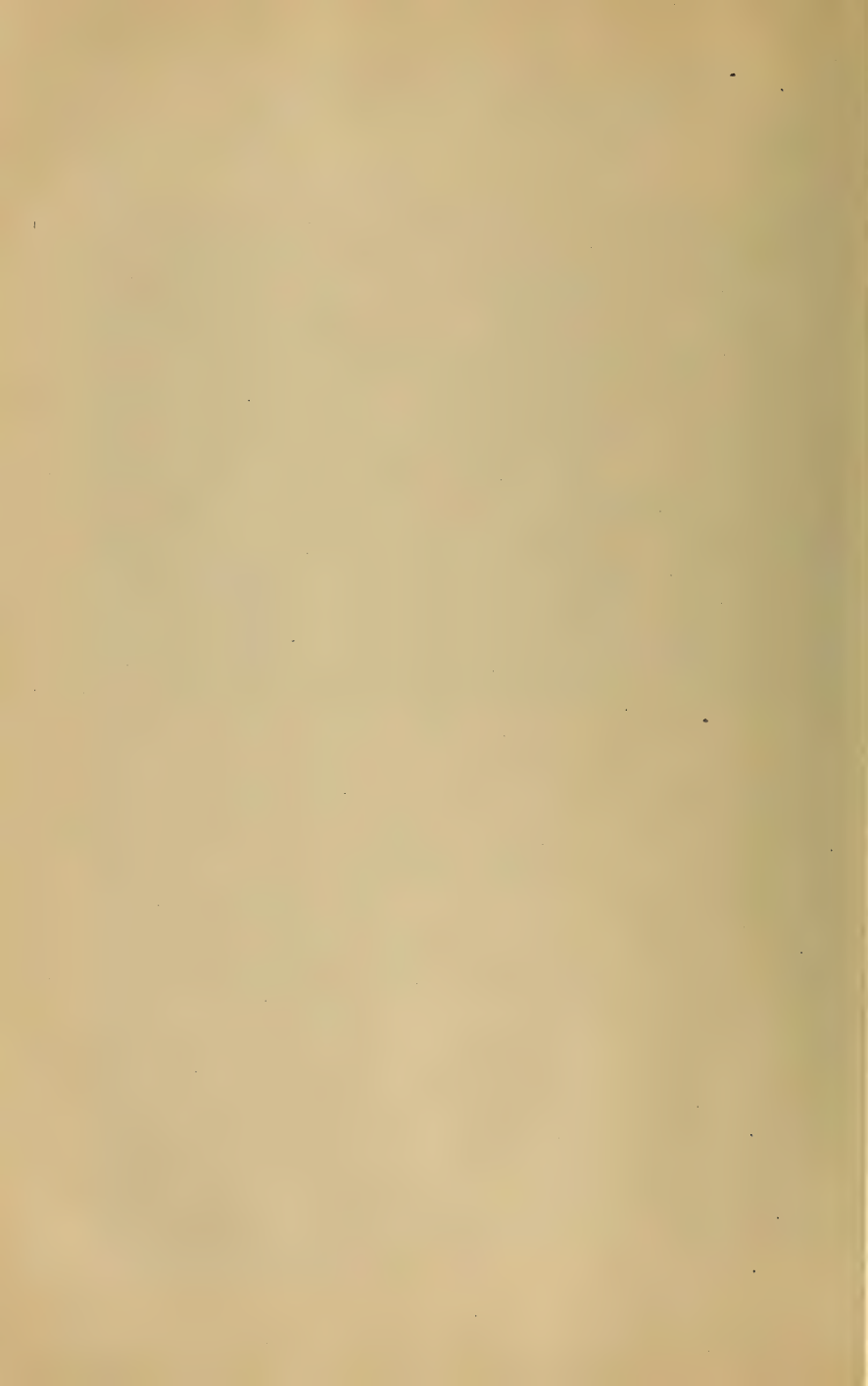
Name, residence, and title.	No.	Date.	Official Gazette.	
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United Manufacturing & Supply Company, Trenton, N. J. Lubricants.....	43,846	Dec. 13	113	1963
United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Machines for certain named purposes.....	42,286	Mar. 22	109	1064
United States Fastener Company, Portland, Me., and Boston, Mass. Snap-fasteners.....	42,815	June 14	110	2009
United States Fastener Company, Portland, Me. Snap-fasteners.....	43,730	Nov. 22	113	1137
United States Fastener Company, Portland, Me. Snap-fasteners.....	43,731	Nov. 22	113	1137
United States Linen Co., Milbury, Mass. Linen fabric.....	43,713	Nov. 15	113	843
Universal Pasting Machine Company, Jersey City, N. J. Pasting-machines.....	43,908	Dec. 20	113	2310
Universal Talking Machine Manufacturing Co., New York, N. Y. Talking-machines, parts and supplies therefor, and records.....	42,502	Apr. 26	109	2436
Urtic Company, Cincinnati, Ohio. Rubber boots and shoes.....	42,205	Mar. 8	109	543
Vacuum Oil Company, Rochester, N. Y. Lubricating-oils.....	43,284	Sept. 6	112	243
Valley Forge Good-Fyr Springs Company, Philadelphia, Pa. Spring-water.....	42,545	May 3	110	300
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Lubricating and illuminating oils.....	43,632	Nov. 1	113	275
Van Camp Condensed Milk Company, Indianapolis, Ind. Evaporated cream.....	42,117	Feb. 23	108	2136
Van Camp Condensed Milk Company, Indianapolis, Ind. Evaporated cream.....	42,118	Feb. 23	108	2136
Vanden Bergh & Co., Antwerp, Belgium. Gin.....	42,580	May 10	110	594
Varley Duplex Magnet Company, Providence, R. I. Induction-coils.....	41,908	Jan. 19	108	790
Varley Duplex Magnet Company, Providence, R. I. Induction-coils.....	41,962	Jan. 26	108	1046
Vautier, John J., New York, N. Y. Flexible gas-tubing.....	42,967	July 5	111	596
Vernal Remedy Company, Buffalo, N. Y. Remedy for all diseases of kidneys, bladder, stomach, and bowels.....	41,903	Jan. 19	108	790
Veth, Gebroeders, Amsterdam, Netherlands; Padang, Sumatra, and Macassar, Celebes. Coffee in the raw bean.....	43,768	Nov. 29	113	1410
Victor E. F. Walker Co., Boston, Mass. Upper-leather.....	42,394	Apr. 19	109	2159
Victor Talking Machine Co., Camden, N. J. Talking-machines, parts and supplies therefor, and records.....	42,320	Mar. 8	109	545
Victor Talking Machine Co., Camden, N. J. Talking-machines.....	42,962	July 5	111	296
Victor Talking Machine Co., Camden, N. J. Talking-machines, parts, and records.....	43,259	Aug. 30	111	2485
Victor Talking Machine Co., Camden, N. J. Cigars and cigarettes made from cigar-tobacco.....	43,733	Nov. 23	113	1138
Victor Talking Machine Co., Camden, N. J. Smoking-tobacco and cigarettes.....	43,878	Dec. 20	113	2336
Victor & Achelis, Fredk., New York, N. Y. Certain named piece goods.....	43,021	July 19	111	799
Vim-o Manufacturing Co., Eagle Lake, Tex. Medicated tonic beverage.....	42,542	May 3	110	300
Vinolia Co., Limited, London, England. Certain named soaps.....	42,376	Apr. 12	109	1881
Vinolia Co., Ltd., London, England. Certain named toilet preparations.....	43,281	Sept. 6	112	242
Violette Co., Lawrence, Mass. Remedies for certain named diseases.....	43,306	Sept. 6	112	245
Virginia Anthracite Coal Co., Richmond, Va. Anthracite coal.....	42,088	Feb. 16	108	1865
Virginia Portland Cement Co., New York, N. Y. Portland cement.....	42,341	Apr. 5	109	1002
Vischer & Co., A., New York, N. Y. Ornaments made of wood.....	41,811	Jan. 5	108	281
Viscoloid Co., Leominster, Mass. Certain named plastic material.....	43,210	Aug. 16	111	1932
Voorhees, Harry B., Easton, Pa. Remedy for la grippe and colds.....	43,773	Nov. 29	113	1411
W. A. Gaines & Company, Frankfort, Ky. Whisky.....	42,919	June 28	110	2505
W. A. Gaines & Company, Frankfort, Ky. Whisky.....	43,356	Sept. 13	112	495
W. E. Wroe & Company, Chicago, Ill. Bond-paper.....	42,194	Mar. 8	109	542
W. F. & John Barnes Co., Rockford, Ill. Lathes.....	42,617	June 14	110	2009
W. F. & John Barnes Company, Rockford, Ill. Drilling-machines.....	42,789	July 7	110	1720
W. H. Hutchinson & Son, Chicago, Ill. Certain named beverage.....	42,233	Mar. 15	109	800
W. J. Bush & Co., Incorporated, New York, N. Y. Coloring preparations for confectionery and food products.....	42,845	June 21	110	2323
W. L. Douglas Shoe Co., Portland, Me. Leather boots and shoes.....	42,833	June 21	110	2320
Wade, Joseph M., New York, N. Y. Panels made from fireproof material.....	42,052	Feb. 9	108	1583
Wagner Brothers, Sharpsburg, Pa. Leather shoes.....	43,438	Oct. 4	112	1206
Wahle Foundry and Machine Works, Davenport, Iowa. Washing-machines.....	43,154	Aug. 9	111	1620
Walker, Columbus F., Ranger, N. C. Remedy for the treatment of certain named diseases.....	42,730	May 31	110	1422
Walker, Joseph G., Spokane, Wash. File cure or remedy.....	43,206	Aug. 16	111	1931
Walstein, Michael, New York, N. Y. Taps.....	42,530	May 3	110	299
Wampole & Co., Henry K., Philadelphia, Pa. Tonic beverage.....	43,615	Nov. 1	113	273
Wampole & Co., Henry K., Philadelphia, Pa. Certain named toilet preparations.....	43,616	Nov. 1	113	273
Wanamaker, John, Philadelphia, Pa. Miniature figures.....	43,847	Dec. 13	113	1963
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,397	Sept. 6	112	244
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,268	Sept. 6	112	244
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,404	Sept. 27	112	949
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,641	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,642	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,643	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,644	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,645	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,646	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,647	Nov. 8	113	540
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,648	Nov. 8	113	541
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,649	Nov. 8	113	541
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,650	Nov. 8	113	541
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,651	Nov. 8	113	541
Ward Hanbury & Co., London, England. Cotton fabrics.....	43,652	Nov. 8	113	541
Ware-Kramer Tobo Co., Wilson, N. C. Cigarettes.....	43,675	Nov. 8	113	543
Warning Hat Manufacturing Company, Yonkers, N. Y. Hats.....	42,098	Feb. 23	108	234
Warren Brothers Company, Boston, Mass. Gypsum composition or cement.....	42,743	Apr. 31	110	1423
Wartman, John F. A. C., Milwaukee, Wis. Antiseptic preparations.....	41,904	Jan. 19	108	790
Washaway Manufacturing Co., New Bedford, Mass. Washing fluid.....	42,212	Mar. 8	109	544
Washburn, Crosby Company, Minneapolis, Minn. Wheat-flour.....	42,108	Feb. 23	108	2135
Washburn, Crosby Company, Minneapolis, Minn. Wheat-flour.....	42,181	Mar. 1	109	271
Washburn, Crosby Company, Minneapolis, Minn. Wheat-flour.....	42,182	Mar. 1	109	271
Washburn-Crosby Company, Minneapolis, Minn. Certain named feed.....	43,059	July 26	111	1081
Water Paint Company of America, New York, N. Y., and Bellows Falls, Vt. Kalsomine or water paints.....	41,839	Jan. 5	108	284
Water Paint Company of America, New York, N. Y., and Bellows Falls, Vt. Water-paint in paste form.....	42,554	May 3	110	301
Water Paint Company of America, New York, N. Y., and Bellows Falls, Vt. Mixed paints.....	43,191	Aug. 16	111	1990
Watson & Co., Angus, Newcastle-upon-Tyne, England. Sardines.....	43,871	Dec. 20	113	2205
Weaver Skirt Co., Boston, Mass. Skirts for women.....	42,433	Apr. 19	109	2163
Wearwell, Conger Company, Groton, N. Y. Flavoring extracts.....	42,337	May 3	110	296
Webb & Co., L. M., Ewing, Ill. Aspirin pills.....	42,062	Apr. 5	109	1601
Weberst Co., New York, N. Y. Suspenders.....	42,065	Feb. 16	108	1863
Weeks, Oscar J., New York, N. Y. Powder preparation used in the manufacture of ice-cream, water-ice, and pies.....	41,573	Jan. 12	108	555

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Weiffenbach Mfg. Co., Chicago, Ill. Razor-strops	42,016	Feb. 9	108	1580
Weiffenbach Mfg. Co., Chicago, Ill. Razor-strops	42,017	Feb. 9	108	1580
Weiffenbach Mfg. Co., Chicago, Ill. Razor-strops	42,189	Mar. 1	109	272
Weil, J. M. & V., Chicago, Ill. Leather	41,808	Jan. 5	108	281
Weingarten Bros., New York, N. Y. Corsets	41,884	Jan. 19	108	788
Weingarten Bros., New York, N. Y. Corsets	42,882	June 14	110	2049
Weingarten Bros., New York, N. Y. Corset-steels	43,581	Oct. 25	112	2086
Weingarten Bros., New York, N. Y. Corsets	43,692	Nov. 15	113	851
Weingarten Bros., New York, N. Y. Corsets	43,602	Dec. 6	113	1698
Weis, William A., Ashley, Pa. Leather boots and shoes	43,230	Aug. 23	111	2213
Weiss, Karl, West Hoboken, N. J. Pans for animals	42,904	June 28	110	2504
Welding Compound Company, Paterson, N. J. Welding compounds	42,086	Feb. 16	108	1865
Wellcome, Henry S., London, England. Dentifrice	43,559	Oct. 18	112	1742
Wellcome, Henry S., London, England. Tea	43,563	Oct. 18	112	1743
Wellcome, Henry S., London, England. Medicinal preparations for human and veterinary use	43,566	Oct. 18	112	1748
Wellcome, Henry S., London, England. Preparations of drugs and chemicals for human and veterinary use	43,567	Oct. 18	112	1743
Wellcome, Henry S., London, England. Drugs and chemicals for human and veterinary use	43,568	Oct. 18	112	1743
Wellcome, Henry S., London, England. Certain named chemical preparation and products containing the same	43,569	Oct. 18	112	1743
Wellcome, Henry S., London, England. Certain named medical compounds	43,708	Nov. 22	113	842
Wellington, Sears & Company, Boston, Mass. Drilling	41,804	Jan. 5	108	280
Wellington, Sears & Company, Boston, Mass. Rye-meal, cornmeal, pearl and flaked hominy, and grits	42,523	May 3	110	298
Wells, Jerome B., Cleveland, Ohio. Nerve and stomach tonic	42,406	Apr. 19	109	2160
Wells-Whitehead Tobacco Co., Wilson, N. C. Smoking-tobacco	41,914	Jan. 19	108	791
Welsbach Light Company, Gloucester City, N. J. Gas fixtures, mantles, and parts thereof	42,399	Apr. 19	109	2160
Welsbach Light Company, Gloucester City, N. J. Gas fixtures, mantles, and parts thereof	42,398	Sept. 6	112	243
Wepner, Francis, Buffalo, N. Y. Hams and bacon	42,290	Sept. 6	112	243
Wertheimer, Louis, New York, N. Y. Artificial and ornamental bells	43,927	Dec. 27	113	2497
Wesson Company, Jersey City, N. J., and Savannah, Ga. Soaps for the toilet and shampoo	43,739	Nov. 22	113	1188
West Boylston Manufacturing Company, Easthampton, Mass. Cotton fabric for shading growing plants	43,309	Sept. 6	112	245
West Coast Grocery Company, Tacoma, Wash. Canned fruits and vegetables	43,306	Sept. 20	112	720
West Coast Grocery Company, Tacoma, Wash. Canned fruits and vegetables	43,346	Aug. 30	111	2484
West Coast Grocery Company, Tacoma, Wash. Canned fruits and vegetables	43,247	Aug. 30	111	2484
West Coast Grocery Company, Tacoma, Wash. Smoking-tobacco	43,271	Sept. 6	112	212
West Coast Grocery Company, Tacoma, Wash. Canned fruits and vegetables	43,396	Sept. 20	112	723
West Coast Stock Food Co., Pasadena, Cal. Stock-foods or condition-powders	42,238	Mar. 15	109	800
West Point Manufacturing Co., Langdale, Ga. Cotton-duck cloth	41,881	Jan. 12	108	552
Westchester Hat Company, Yonkers and New York, N. Y. Size-mark labels for hats	43,195	Aug. 9	111	1617
Westenhoff & Co., Hanover, Germany. Manifold device	42,153	Feb. 23	108	3140
Western Shade Cloth Co., Chicago, Ill. Window-shade cloth	43,765	Nov. 29	113	1410
Westgate, William W., Houston, Tex. Certain named toilet preparations	43,948	Dec. 27	113	2499
Westheimer, Samuel, St. Joseph, Mo. Whisky	41,821	Jan. 5	108	282
Westinghouse Electric & Manufacturing Company, Pittsburg, Pa. Mineral oil	43,681	Nov. 1	113	275
Westwood, Benjamin, Toronto, Canada. Medicine used as a remedy for diseases of the liver, kidneys, and stomach	42,789	May 31	110	1422
Weum-Watt Company, Fargo, N. D. Workingmen's shirts, overalls, and coats	42,261	Mar. 22	109	1062
Wheatley & Bates, Limited, Sheffield, England. Hop-ale	43,399	Mar. 29	109	1332
Wheeler, Henry L., New York, N. Y. Local anesthetic for the painless extraction of teeth	42,240	Mar. 15	109	800
Whitcher, Frank W., Boston, Mass. Hammers	42,387	Apr. 12	109	1882
Whitcomb, Myron L., Haverhill, Mass. Leather shoes	41,889	Jan. 19	108	788
White, Van Glahn & Co., New York, N. Y. Carpenters' tool-cabinets	43,851	Dec. 13	112	1963
Whitehall Portland Cement Co., Cementon and Philadelphia, Pa. Portland cement	43,083	July 19	111	800
Whitehead & Hoag Co., Newark, N. J. Certain named advertising novelties	42,526	May 3	110	298
Whitener, James O., Hepzibah, W. Va. Dandruff cure and hair-restorer	42,267	Mar. 22	109	1062
Whitlatch, Russell W., New York, N. Y. Remedy for certain named diseases	42,242	Mar. 15	109	801
Whitman & Co., Clarence, New York, N. Y. Cotton goods	42,702	May 31	110	1419
Whitney & Company, Leominster, Mass. Folding paper boxes	43,004	July 12	111	557
Whitney Eckstein Seed Co., Buffalo, N. Y. Clover-seed	43,856	Dec. 20	113	2204
Whitney Eckstein Seed Co., Buffalo, N. Y. Timothy-seed	43,857	Dec. 20	113	2204
Whitney Eckstein Seed Co., Buffalo, N. Y. Reclaimed clover-seed	43,858	Dec. 20	113	2204
Whitson, John G., New York, N. Y. Automatic printing-presses	43,482	Oct. 11	112	1471
Whittemore Bros. and Co., Cambridge, Mass. Leather-polish	42,183	Mar. 1	109	272
Whittemore Bros. and Co., Cambridge, Mass. Polish for shoes and leather goods	42,445	Apr. 12	109	1881
Whittemore Bros. and Co., Cambridge, Mass. Polishes for leather goods	42,378	Apr. 12	109	1881
Whittemore Bros. and Co., Cambridge, Mass. Polishes for leather goods	42,411	Apr. 19	109	2161
Wiener, Bertha I., Chicago, Ill. Surgical dressings	42,495	Apr. 26	109	2436
Wildner & Buchanan, Atlanta, Ga. Candy kisses	43,228	Aug. 23	111	2214
Wilhelm Anhalt Gesellschaft mit Beschränkter Haftung, Colberg, Prussia, Germany. Hair-washes	42,115	Feb. 23	108	2136
Wilhelm & Pierce, Bellevue, Idaho. Face-bleach	43,537	Oct. 18	112	1740
William A. Miles, New York, N. Y. Air, stout, porter, and beer	43,043	July 19	111	802
William Jessop & Sons, Limited, Sheffield, England. Speed cutting steel and tools made therefrom	42,799	June 14	110	2007
William Jessop & Sons, Limited, Sheffield, England. Steel in certain named forms	43,233	Aug. 23	111	2214
William Paton, Limited, Johnstone, Scotland, and North Grafton, Mass. Sewing-thread	43,234	Aug. 23	111	2215
Williams & Co., E. G., Bradford, England. Linings	43,051	July 26	111	1030
Williams and Cole, Eden Valley, Minn. Compound for the cure of asthma	43,631	Nov. 8	113	541
Williams, Eureka U., Los Angeles, Cal. Poultry remedies	42,445	Apr. 19	109	2164
Williams, Franklin, New York, N. Y. Pipe couplings or unions	42,309	Feb. 2	108	1322
Williams & Sons, John T., New York, N. Y. Barytes	42,309	Mar. 29	109	1832
Williams, William B., Norfolk, Va. Certain named game	43,098	Mar. 29	109	1832
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	43,124	Aug. 9	111	1617
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	42,161	Mar. 1	109	268
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	42,195	Mar. 8	109	542
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	42,230	Mar. 15	109	799
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	42,231	Mar. 15	109	799
Willis & Co., Grinnell, New York, N. Y. Cotton piece goods	42,314	Apr. 5	109	1599
Willoughby, Aubrey F., London, England. Preparation for an effervescent drink	43,785	Nov. 1	113	275
Wilson, Thomas A., Reading, Pa. Lenses	43,785	Nov. 29	113	1432
Wilson Grocery Company, Peoria, Ill. Certain named fruits and vegetables	43,529	Oct. 18	112	1739

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Winship Chemical Co., New York, N. Y. Veterinary ointments and remedies	43,028	July 19	111	800
Winship Chemical Co., New York, N. Y. Salve used as a remedy for burns, scalds, and skin diseases	43,540	Oct. 18	112	1740
Wise, Julius C., Kansas City, Mo. Antiseptics	42,745	May 31	110	1424
Wm. A. Rogers, Limited, Niagara Falls, N. Y., and Toronto, Canada. Flat and hollow tableware	43,212	Aug. 16	111	1932
Wm. Knabe & Co. Mfg. Co. of Baltimore City, Baltimore, Md. Miniature grand pianos	41,842	Jan. 5	108	284
Vogau Bros., New Orleans, La. Saccharine syrups	43,749	Nov. 22	113	1139
Wolf, Jacob D., New York, N. Y. Worm medicines or remedies	43,337	Sept. 13	112	493
Wolf River Paper & Fiber Company, Shawano, Wis. Sheathing-paper	42,785	June 7	110	1719
Wolff, Arthur, Jr., Breslau, Germany. Certain named soaps	43,379	Sept. 20	112	721
Wolff Process Leather Co., Philadelphia, Pa. Leather	43,406	Sept. 27	112	949
Wollwäscherei u. Kämmerei Döhren bei Hannover, Döhren, Germany. Medical pastes and salves	42,421	Apr. 19	109	2162
Wood, Albert F., Detroit, Mich. Lotions, creams, cosmetics, and pastes	42,297	Mar. 29	109	1331
Woodruff, Charles E., Dodge, Nebr. Insect-powders and liquid vermin-exterminators	42,239	Mar. 15	109	800
Woodson, Aytch P., Kansas City, Mo. Wheat-flour	43,608	Nov. 1	113	272
Woodward, Arthur B., New York, N. Y. Matches of wood or cardboard	43,395	Sept. 20	112	722
Worthington, Martha J., Fresno, Cal. Ointment	42,851	June 21	110	2228
Wristen, Louis H., Gail, Tex. Liniment for external application	42,336	Apr. 5	109	1601
Yale Chemical Company, New York, N. Y. Remedy for rheumatism	43,168	Aug. 16	111	1927
Yellow Actors Company, Limited, Grand Rapids, Mich. Tablets containing a remedy for liver and kidney diseases	41,925	Jan. 19	108	792
York, Chauncey F., Warriorsmark, Pa. Watches	43,048	July 26	111	1030
York Chemical Company, New York, N. Y. Medical compound or tonic for certain named diseases	43,185	Aug. 16	111	1929
York Knitting Mills Company, York, Pa. Men's half-hose	43,714	Nov. 15	113	843
York Knitting Mills Company, York, Pa. Men's half-hose	43,715	Nov. 15	113	843
York Knitting Mills Company, York, Pa. Men's half-hose	43,716	Nov. 15	113	844
York Knitting Mills Company, York, Pa. Men's half-hose	43,717	Nov. 15	113	844
York Knitting Mills Company, York, Pa. Boys' ribbed hose	43,728	Nov. 22	113	1137
York Knitting Mills Company, York, Pa. Misses' ribbed hose	43,729	Nov. 22	113	1137
York Silk Manufacturing Co., York, Pa. Silk fabrics	42,819	June 14	110	2069
York Silk Manufacturing Company, York, Pa. Silk fabrics	42,062	Feb. 16	108	1862
York Silk Manufacturing Company, York, Pa. Silk fabrics	42,063	Feb. 16	108	1862
York Silk Manufacturing Company, York, Pa. Silk fabrics	42,064	Feb. 16	108	1863
Young, Albert B., Buffalo, N. Y. External remedy for animals	41,861	Jan. 12	108	554
Young, John F., Pittsburg, Pa. Portable gravel roofing	43,903	Dec. 20	113	2209
Young, John F., Pittsburg, Pa. Portable slag roofing	43,904	Dec. 20	113	2209
Young, Mary C., New Orleans, La. Baking-powder	42,761	June 7	110	1716
Zan-Dine Remedy Co., Davenport, Iowa. Cure for dyspepsia and other stomach affections	43,627	Nov. 1	113	274
Zeigler, Andrew W., Ellwood City, Pa. Liniment	43,950	Dec. 27	113	2490
Zellicker, Walter A., St. Louis, Mo. Prepared roofing	42,867	June 21	110	2230
Ziffer, Charles, Berlin, Germany. Medicine for certain named diseases	41,901	Jan. 19	108	790
Zimmermann, Katie, Chicago, Ill. Salve for the cure of injuries or diseases of the skin	42,739	June 7	110	1717
Zink & Co., Henry, Lincoln, Kans. Yeast	42,762	June 7	110	1716



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Aboussleman, Joseph M., New York, N. Y. "Marsalina the 20th Century Hair & Skin Tonic." (For a Toilet Preparation).....	10,781	Mar. 1	109	273
Aboussleman, Joseph M., New York, N. Y. "Persian Rose Pomade." (For a Toilet Preparation).....	10,782	Mar. 1	109	273
Acker, Merrill & Condit, New York, N. Y. "Alta Vista." (For Wine).....	10,695	Jan. 25	108	1047
Acker, Merrill & Condit Company, New York, N. Y. "Mauna Mountain." (For Coffee).....	10,683	Jan. 19	108	793
Acker, Merrill & Condit Company, New York, N. Y. "Lacadie." (For Olive-Oil).....	10,749	Feb. 16	108	1867
Adams & Foster, Philadelphia, Pa. "Star Glove Softener." (For Glove-Softeners).....	11,055	May 17	110	855
Adams Incandescent Light Co., Brooklyn, N. Y. "Firefly." (For Mantles).....	11,756	Dec. 27	113	2501
Adams Incandescent Light Co., Brooklyn, N. Y. "Apex." (For Mantles).....	11,757	Dec. 27	113	2501
Adams, Inez E., Boston, Mass. "Hunt's Laxative Mints." (For Cough Medicine).....	11,707	Dec. 20	113	2211
After Dinner Gum Company, New York, N. Y. "After Dinner Gum Co.'s Pepsin Gum." (For Chewing-Gum).....	11,261	July 19	111	803
Alabama Candy Co., Birmingham, Ala. "Elk Brand." (For Candy).....	11,490	May 10	110	597
Albers Bros. Milling Co., Portland, Oreg. "Eagle Rolled Oats." (For Rolled Oats).....	11,049	Oct. 18	112	1745
Albers Bros. Milling Co., Portland, Oreg. "Mayflower." (For Oat-Flakes).....	11,534	Nov. 1	113	277
Albers Bros. Milling Co., Portland, Oreg. "Crescent Rolled Oats." (For Rolled Oats).....	11,689	Dec. 20	113	2211
Alexander Co., Minneapolis, Minn. "Hair-E-Face." (For Hair-Remover).....	11,126	June 7	110	1719
Alfred Andresen & Co., Minneapolis, Minn. "Rosette Irons." (For Cake-Irons).....	11,574	Nov. 8	113	545
Alishahon, Marco, Chicago, Ill. "Egyptian Fortune Teller." (For Cigars).....	11,422	Sept. 27	112	951
Allen Lumber Co., Rochester, N. Y. "The Corker." (For Shingles).....	10,677	Jan. 12	108	557
American Brewing Co. of Pekin, Pekin, Ill. "Health Tonic." (For Beer).....	11,209	July 5	111	297
American Cleansing Fluid Co., Glens Falls, N. Y. "Electric Cleansing Fluid." (For Cleansing Fluid).....	11,432	Sept. 27	112	951
American Condensed Milk Co., Ltd., Jackson, Mich. "Home." (For Condensed Milk and Evaporated Cream).....	10,862	Mar. 22	109	1065
American Condensed Milk Co., Ltd., Jackson, Mich. "Uncle Sam." (For Condensed Milk and Evaporated Cream).....	11,283	Aug. 2	111	1361
American Fine Art Co., Milwaukee, Wis. "Nu-Trex Flaked Wheat Food." (For Cereal Food).....	10,837	Mar. 15	109	803
American Health Association, New York, N. Y. "Hygieia The Best." (For Herb Teas).....	11,736	Dec. 27	113	2501
American Health Association, New York, N. Y. "Hygieia." (For Herb Teas).....	11,737	Dec. 27	113	2501
American Hog Cholera Cure Co., Minneapolis, Minn. "Hedeval." (For Hog-Cholera Cure).....	10,786	Mar. 1	109	273
American Lithographic Co., New York, N. Y. "Royal Iris." (For Cigars).....	10,828	Mar. 15	109	803
American Lithographic Co., New York, N. Y. "Royal Iris." (For Cigars).....	10,829	Mar. 15	109	803
American Lithographic Company, New York, N. Y. "La Marica." (For Cigars).....	10,674	Jan. 12	108	557
American Lithographic Company, New York, N. Y. "El Habanitos." (For Cigars).....	11,420	Sept. 27	112	951
American Lithographic Company, New York, N. Y. "Partagenos." (For Cigars).....	11,527	Nov. 1	113	277
American Lithographic Company, New York, N. Y. "Compliments of the Season." (For Cigars).....	11,528	Nov. 1	113	277
American Lithographic Company, New York, N. Y. "Moonlight." (For Cigars).....	11,529	Nov. 1	113	277
American Pickling Co., Providence, R. I. "American Brand Bleaching Fluid." (For Bleaching Fluid).....	11,063	May 17	110	855
American Soda Fountain Company, Boston, Mass. "Extra Dry Ginger Ale." (For Carbonated Beverages).....	10,980	Apr. 19	109	2167
American Soda Fountain Company, Boston, Mass. "Pineapple Soda." (For Carbonated Beverages).....	10,986	Apr. 25	109	2439
Ammonia Soap Powder Company, Indianapolis, Ind. "Ammonia Soap Powder." (For Soap Powder).....	11,462	Oct. 11	112	1475
Anti-Uric Co., Peoria, Ill. "Anti-Uric." (For Medicine).....	10,890	Mar. 20	109	1333
Argüelles, Lopez & Bro., New York, N. Y. "Flor De Tadmara." (For Cigars).....	11,525	Nov. 1	113	277
Armour & Co., Chicago, Ill. "Veribest Roast Beef." (For Roast Beef).....	10,750	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Deviled Ham." (For Deviled Ham).....	10,751	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Vienna Sausage." (For Vienna Sausage).....	10,752	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Veal Loaf." (For Veal-Loaf).....	10,753	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Chicken Loaf." (For Chicken-Loaf).....	10,754	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Sliced Smoked Beef." (For Sliced Smoked Beef).....	10,755	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Lunch Tongue." (For Lunch-Tongue).....	10,756	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Brisket Beef." (For Brisket Beef).....	10,757	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Ham Loaf." (For Ham-Loaf).....	10,758	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Beef Loaf." (For Beef-Loaf).....	10,759	Feb. 16	108	1867
Armour & Co., Chicago, Ill. "Veribest Potted Ham." (For Potted Ham).....	10,760	Feb. 16	108	1867
Armour and Company, Chicago, Ill. "Veribest Ox Tongue." (For Ox-Tongue).....	10,730	Feb. 9	108	1585
Armour and Company, Chicago, Ill. "Veribest Corned Beef." (For Corned Beef).....	10,731	Feb. 23	108	1867
Armour & Company, Chicago, Ill. "That's It." (For Meat Extracts).....	11,104	May 8	111	1621
Armour Packing Co., Kansas City, Kans. "Preferred Ham." (For Ham).....	10,854	Mar. 22	109	1065
Arnold & Co., J. E., Denton, Tex. "Jumbo Brazing Compound." (For Brazing Compound).....	10,962	Apr. 12	109	1883
Arnsburger, Frederick H., Stockton, Cal. "Crown." (For Creamery-Butter).....	10,787	Mar. 1	109	273
Ascepticine Chemical Company, Homestead, Pa. "Unguentum Ascepticine." (For Ointment).....	10,777	Feb. 23	108	1867
Associated Drug Co., Philadelphia, Pa. "Oroform." (For Surgical Dressings).....	11,205	Aug. 9	111	1621
Associated Drug Co., Philadelphia, Pa. "Kid-Knee." (For Medicine).....	11,477	Oct. 11	112	1475
Atlantic City Brewing Co., Atlantic City, N. J. "Würzburger Schlossbrau." (For Beer).....	11,239	July 12	111	577
Atlas Milling Co., Nashville, Tenn. "Atlas." (For Flour).....	11,531	Nov. 1	113	277
Ault & Wiborg Co., Cincinnati, Ohio. "The Ault & Wiborg Non-Filling Typewriter Ribbons." (For Type-Writer Ribbons).....	11,153	June 14	110	2011
Aztec Pile Cure Co., San Antonio, Tex. "Aztec Pile Cure." (For Medicine).....	10,653	Jan. 5	108	285
B. F. Glover & Son Com. Co., New Orleans, La. "Starlight." (For Flour).....	11,675	Dec. 13	113	1965
B. F. Glover & Son Com. Co., New Orleans, La. "Sea Gull." (For Flour).....	11,676	Dec. 13	113	1965
B. S. Fiersheim Mercantile Co., Kansas City, Mo. "Its Tempting." (For Whisky).....	11,701	Dec. 20	113	2211
Beebe, Thomas J., New York, N. Y. "Phenol." (For Medicine).....	11,197	June 14	110	2011
Badanes, Peter, New York, N. Y. "U-Eat-A Biscuit." (For Crackers and Biscuits).....	11,037	May 3	110	303
Bader, Henry F., East St. Louis, Ill. "Bader's Foot-Relief." (For Foot-Relief).....	10,745	Feb. 16	108	1867
Badger Chemical Company, Beaverdam, Wis. "Nox-All Soot." (For Soot-Destroyers).....	10,711	Feb. 2	108	1325

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Badger Chemical Company, Beaverdam, Wis. "Dr. Sherman's Hog Cholera Preventive." (For Hog-Cholera Preventives).....	10,712	Feb. 2	108	1325
Bar-Litthe Co., New York, N. Y. "Elixir Bar-Litthe." (For Proprietary Medicine).....	11,639	Nov. 29	113	1413
Barclay, Reginald S., and C. S. Barclay, trustees of W. O. Barclay, deceased, New York, N. Y. "Reuter's Soap." (For Soap).....	11,484	Oct. 4	112	1209
Bargahiser, A. J., Rockford, Ohio. "A. J. Bargahiser's Chick-Hen Powder." (For Powder for Poultry).....	11,089	May 3	110	303
Barrett, Arthur E., St. Louis, Mo. "Oswald's Lettuce Headache Cure." (For Medicine).....	11,194	June 23	110	2507
Barry Saw Co., Indianapolis, Ind. "The Barry Saw." (For Saws).....	11,054	May 10	110	587
Bartlett, Edwin B., Boston, Mass. "Ben's Good Ale." (For Ale).....	11,441	Oct. 4	112	1209
Bartlett, Edwin B., Boston, Mass. "Ben's Strengthening Porter." (For Porter).....	11,442	Oct. 4	112	1209
Bass and Brother, Terrell, Tex. "Liquid Salito Quinine." (For Liquid Quinine).....	11,258	July 19	111	809
Bass, E. & J., New York, N. Y. "The Buster Brown Belt and Buckle." (For Belts and Buckles).....	10,698	Jan. 26	108	1047
Bass, E. & J., New York, N. Y. "Buster Brown's Rings." (For Rings).....	10,965	Apr. 19	109	2167
Bauer & Black, Chicago, Ill. "Franklin's Electric Plaster." (For Medicinal Plasters).....	11,478	Oct. 11	112	1475
Baumgartner, Paul, New York, N. Y. "Silver Slipper Chop." (For Tea).....	11,604	Nov. 22	113	1141
Bean, James W., Hydepark, Mass. "Bean's Condition Powders for Horses and Cattle." (For Condition-Powders).....	10,815	Mar. 8	109	547
Beatty, Robert A., New York, N. Y. "Dublin Stout." (For Stout).....	11,181	Jun. 23	110	2307
Beck, Gilbert & Co., Richmond, Va. "The Great Labor Saver." (For Washing Compound).....	11,900	Aug. 9	111	1621
Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Sliced Beef." (For Sliced Beef).....	10,907	Mar. 29	109	1333
Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Sliced Bacon." (For Sliced Bacon).....	10,908	Mar. 29	109	1333
Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Sliced Bacon." (For Sliced Bacon).....	11,744	Dec. 27	113	2501
Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Sliced Beef." (For Sliced Beef).....	11,745	Dec. 27	113	2501
Bellamy, T. R., Norwalk, Ohio. "Kink-Cure." (For Medicine).....	11,315	Aug. 16	111	1933
Bell, Son, Joseph, Brooklyn, N. Y. "La Sorella." (For Cigars).....	11,576	Nov. 15	113	845
Benbow, M. M., St. Louis, Mo. "Martha Washington's Lily of the Valley Cream." (For Complexion-Cream).....	10,694	Jan. 19	108	793
Benson, Christian L., Chicago, Ill. "Swan Island Brand." (For Canned Salmon).....	10,679	Jan. 19	108	793
Bevan, Frank J., Philadelphia, Pa. "Blue Ribbon." (For Baked Beans).....	11,396	Sept. 20	112	725
Biever, Nicholas, Jr., Milwaukee, Wis. "The Beer You Like." (For Lager-Beer).....	10,924	Apr. 5	109	603
Biever, Nicholas, Jr., Milwaukee, Wis. "Life Malt." (For Malt Extract).....	10,981	Apr. 19	109	2167
Billelo, John J., Natchez, Miss. "Scalpine." (For Hair-Tonic).....	11,644	Nov. 29	113	1413
Bitting, H. C., Pittsburg, Tex. "H. C. Bitting's Eczema Cure." (For Medicine).....	11,412	Sept. 20	112	725
Bitting, H. C., Pittsburg, Tex. "H. C. Bitting's Dandruff Cure." (For Dandruff Cure).....	11,413	Sept. 20	112	725
Black, Charles J., Asbury Park, N. J. "Furty Extracts Vanilla Compound." (For Vanilla Extract).....	11,657	Dec. 6	113	1701
Black Cloak Co., Alexander, Toledo, Ohio. "Worth Skirt Style Supreme." (For Skirts).....	11,341	Aug. 30	111	2487
Black Bros. Clo. Co., St. Joseph, Mo. "King Rambler." (For Clothing).....	11,551	Nov. 8	113	545
Bluff City Bottling Co., Memphis, Tenn. "Coan & Harbin's Koke." (For a Beverage).....	10,863	Mar. 22	109	1065
Bluffton Mfg. Co., Bluffton, N. Y. "Rainbow." (For Washing-Machines).....	11,256	July 12	111	577
Robbitt, W. H., Leon, Iowa. "Foxy Tom." (For Cigars).....	11,716	Feb. 2	108	1325
Booth, Jesse, Nottingham, England. "Confection of Senna." (For Medicine).....	11,196	June 28	110	2507
Booth Manufacturing Co., Lacrosse, Wis. "Roman Massage Cream and Skin Food." (For Toilet Preparation).....	11,312	Aug. 16	111	1933
Booth Manufacturing Co., Lacrosse, Wis. "Strawberry Massage Cream and Skin Food." (For Toilet Preparation).....	11,313	Aug. 16	111	1933
Border Importing Co., San Antonio, Tex. "Mexican Curio Candy." (For Candy).....	11,185	June 28	110	2507
Bouche Pils & Co., C. Gauthier & Co., Successors, New York, N. Y. "Royal Maximum." (For Crème de Menthe Glaciale).....	11,584	Nov. 15	113	845
Bouchot, Lucien, New York, N. Y. "A La Casserole, Tripes a La Mode De Caen, L. Bouchot." (For Canned Tripe).....	11,097	May 24	110	1165
Bourbon Remedy Co., Lexington, Ky. "Bourbon Hog Cholera Remedy." (For Remedy for Diseases of Hogs).....	11,563	Nov. 8	113	545
Bowen & Company, B., Philadelphia, Pa. "Palmette Hair Tonic." (For Hair-Tonic).....	11,016	May 3	110	303
Boyd, Chas. L., Chicago, Ill. "Anti-Tissine." (For Surgical Dressing).....	11,612	Nov. 22	113	1141
Breuer, C., Hoboken, N. J. "Eutrophis." (For Hair-Tonic).....	11,716	Feb. 2	108	1325
Brooks, D. L., Chicago, Ill. "Dr. Brooks' Faultless Tooth Powder." (For Tooth-Powder).....	10,989	Apr. 19	109	2167
Brotherhood Wine Co., Washingtonville, N. Y. "Vin-Crest Brut." (For Champagne).....	11,127	June 7	110	1716
Brown, Philip, Newport News, Va. "Old Sergeant." (For Whisky).....	11,047	May 10	110	597
Bryden, Charles K. (See Johnson and Bryden).....	10,839	Mar. 15	109	803
Buckeye Chair Co., Ravenna, Ohio. "Good Chairs." (For Chairs).....	11,568	Nov. 8	113	545
Burgess Mfg. Co., Inc., Philadelphia, Pa. "Snow Flake." (For Marshmallows).....	11,568	Nov. 8	113	545
Burgess Mfg. Co., Inc., Philadelphia, Pa. "Chocolate Mallow Love Kisses." (For Candy Kisses).....	11,690	Dec. 20	113	2211
Burgman, Charles F., Philadelphia, Pa. "Castoroids." (For Medicine).....	11,503	Oct. 25	112	2059
Burkhardt, Rudolph, New York, N. Y. "Bonese and Wild Cherry Expectorant." (For Medicine).....	10,783	Mar. 1	109	273
Burkstrom, Carl O. F., Chicago, Ill. "Himmalia Tonic." (For Stomach and Blood Tonic).....	10,639	Jan. 5	108	283
Burrows, Al, Cedar Rapids, Iowa. "Germicide Dandruff Cure." (For Dandruff Cure).....	11,611	Nov. 22	113	1141
Bush, Louis, Washington, D. C. "Grey Friar." (For Whisky).....	11,700	Dec. 20	113	2211
Bushie, Geo. H., Rantoul, Mass. "Bushee Home Cure." (For Blood Medicine).....	11,197	June 28	110	2507
C. B. Henschel Mfg. Co., Milwaukee, Wis. "Lawrence Hutton." (For Cigars).....	11,578	Sept. 13	112	497
California Chemical Co., Minneapolis, Minn. "King's Stop a Cough." (For Medicine).....	10,983	Apr. 19	109	2167
Calvert Lithographing Co., Detroit, Mich. "La Amrita." (For Cigars).....	11,058	May 17	110	815
Canella Co., Denver, Colo. "Canella." (For Toilet Preparation).....	11,125	June 7	110	1716
Cape City Soap Works, Cape Girardeau, Mo. "Merry War." (For Soap).....	11,614	Nov. 22	113	1141
Cape City Soap Works, Cape Girardeau, Mo. "Ben Hur." (For Soap).....	11,615	Nov. 22	113	1141
Cape City Soap Works, Cape Girardeau, Mo. "Big Cape." (For Soap).....	11,616	Nov. 22	113	1141
Capital Stock Food Company, Helena, Mont. "Capital Stock Food." (For Stock Food and Medicine).....	11,444	Oct. 4	112	1209
Cargill-Wight Co., Columbus, Ga. "Car-Wi-Co. Georgia Kisses." (For Candy).....	11,326	Aug. 23	111	2217
Cargill-Wight Co., Columbus, Ga. "Car-Wi-Co. Georgia Syrup." (For Syrup).....	11,326	Aug. 23	111	2217
Cargill-Wight Co., Columbus, Ga. "Ingleside Brand, Georgia Cane Syrup." (For Syrup).....	11,566	Nov. 8	113	545
Carnot, Max, Yonkers, N. Y. "Moltzow." (For Medicine).....	10,962	Apr. 19	109	2167
Carquē, Otto, Chicago, Ill. "California Grape Nectar." (For Beverage).....	11,484	Oct. 18	112	1745
Carter, J. H., Fairbury, Neb. "Keystone Remedies U M F Co." (For Medicine).....	11,387	Sept. 13	112	497
Carty, Mathena & Co., Iseleton, Cal. "Poppy Brand." (For Delicious Fruits).....	11,846	Aug. 30	111	2487
Casazza & Bro., V. New York, N. Y. "Fernet Fratelli Branca Fu Carlo & Ci." (For Medicine).....	11,742	Dec. 27	113	2501
Casper, John L., Winston-Salem, N. C. "Checkers Kats to Stay Checked." (For Medicine).....	11,077	May 24	110	1165
Castaldi, Ernesto, Allendale, N. J. "Castaldi's Neapolitan Tomato Sauce." (For Tomato-Sauce).....	11,570	Nov. 8	113	545
Castor Oil Tablet Company, New York, N. Y. "Castor Oval." (For Castor-Oil Tablets).....	11,497	Oct. 18	112	1745
Cauley, Michael A., Kansas City, Mo. "Apollo." (For Cigars).....	11,678	Dec. 13	113	1905
Central Litho. Co., Cleveland, Ohio. "Extra Fina Cigars." (For Cigars).....	10,067	Jan. 12	106	557

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Central Litho. Co., Cleveland, Ohio. "Superiores Cigarros." (For Cigars).....	10,668	Jan. 12	108	557
Central Litho. Co., Cleveland, Ohio. "Elegantes Cigarros." (For Cigars).....	10,669	Jan. 12	108	557
Central Litho. Co., Cleveland, Ohio. "Cigarros Habana." (For Cigars).....	10,670	Jan. 12	108	557
Central Litho. Co., Cleveland, Ohio. "Puro Fino Cigarros." (For Cigars).....	10,671	Jan. 12	108	557
Central Litho. Co., Cleveland, Ohio. "Cubanas Cigarros." (For Cigars).....	10,672	Jan. 12	108	557
Central Litho. Co., Cleveland, Ohio. "Habana Cigarros." (For Cigars).....	10,673	Jan. 12	108	557
Central Lithograph Co., Cleveland, Ohio. "Flor Fina Cigarros." (For Cigars).....	10,878	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Habana Cigarros." (For Cigars).....	10,879	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Exquisitos Cigarros." (For Cigars).....	10,880	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Puros Cigarros." (For Cigars).....	10,881	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Fino Cigar." (For Cigars).....	10,882	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Fino Cigar." (For Cigars).....	10,883	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Flor Fina Cigarros." (For Cigars).....	10,884	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Flor Fina Cigarros." (For Cigars).....	10,884	Mar. 22	109	1065
Central Lithograph Co., Cleveland, Ohio. "Puros Cigar." (For Cigars).....	10,895	Mar. 29	109	1333
Central Lithograph Co., Cleveland, Ohio. "Flor Fina Cigarros." (For Cigars).....	10,896	Mar. 29	109	1333
Central Lithograph Co., Cleveland, Ohio. "Primeros Cigars." (For Cigars).....	10,949	Apr. 12	109	1883
Central Lithograph Co., Cleveland, Ohio. "First Justice John Marshall." (For Cigars).....	11,179	June 28	110	2507
Central Lithograph Co., Cleveland, Ohio. "T. M. Kildow Cigar, Bethesda, Ohio." (For Cigars).....	11,379	Sept. 13	112	497
Central Lithograph Company, Cleveland, Ohio. "Exquisitos Cigarros." (For Cigars).....	10,920	Mar. 20	109	1333
Central Lithograph Company, Cleveland, Ohio. "Flor Fina Cigarros." (For Cigars).....	10,949	Apr. 12	109	1883
Central Lithograph Company, Cleveland, Ohio. "Habana Cigars." (For Cigars).....	10,946	Apr. 12	109	1883
Central Lithograph Company, Cleveland, Ohio. "Extra Fina Cigar." (For Cigars).....	10,947	Apr. 12	109	1883
Central Lithograph Company, Cleveland, Ohio. "Puros Cigarros." (For Cigars).....	10,948	Apr. 12	109	1883
Central Lithograph Company, Cleveland, Ohio. "Cigaros Fabrica de Tabacos Garantia." (For Cigars).....	10,950	Apr. 12	109	1883
Central Lithograph Company, Cleveland, Ohio. "Cigaros Puros." (For Cigars).....	11,134	June 14	110	2011
Central Lithograph Company, Cleveland, Ohio. "First Justice Cigar." (For Cigars).....	11,135	June 14	110	2011
Chapin & Co., C. O. Chicago, Ill. "Chapin's Photograph and Card Holder." (For Photograph and Card Holders).....	11,392	Aug. 2	111	1361
Chapin & Son Co., G. F. Reading, Mass. "E. Z." (For Soap).....	11,502	Oct. 18	112	1745
Chapman, Charles A., Chicago, Ill. "Utolene." (For Medicine).....	11,433	Oct. 4	112	1309
Chapman, Charles A., Chicago, Ill. "Limonous Chloridum." (For Medicine).....	11,649	Dec. 6	113	1701
Charles E. Hires Company, Malvern and Philadelphia, Pa. "Purok." (For Bottled Water).....	11,650	Dec. 6	113	1701
Charles E. Hires Company, Malvern, Pa. "Hires Blood Orange." (For Carbonated Beverages).....	11,205	July 5	111	297
Charles E. Hires Company, Malvern, Pa. "Hires Chocolate." (For Carbonated Beverages).....	11,206	July 5	111	297
Charles E. Hires Company, Malvern, Pa. "Hires Birch Ale." (For Carbonated Beverages).....	11,207	July 5	111	297
Charles E. Hires Company, Malvern, Pa. "Hires Raspberry Ade." (For Carbonated Beverages).....	11,208	July 5	111	297
Charles J. Clark Manufacturing Company, New York, N. Y. "Mustaphan Oriental Shaving Mirror." (For Shaving-Mirrors).....	11,753	Dec. 27	113	2501
Chicago Consolidated Bottling Company, Chicago, Ill. "Crystal Rock." (For Lithia-Spring Water).....	11,107	May 31	110	1425
Chicago Consolidated Bottling Company, Chicago, Ill. "Lomax's High Grade Carbonated Beverages." (For Carbonated Beverages).....	11,146	June 14	110	2011
Chicago Wood Finishing Co., Chicago, Ill. "Colonial Art Finishes." (For a Finishing Material).....	11,379	July 26	111	1033
Chipman's Sons, Chas., Easton, Pa. "Quakeress Hose." (For Hosiery).....	11,253	July 12	111	577
Chipman's Sons, Chas., Easton, Pa. "Duchess Hose." (For Hosiery).....	11,254	July 12	111	577
Chipman's Sons, Chas., Easton, Pa. "Princess Hose." (For Hosiery).....	11,255	July 12	111	577
Chocoma Candy Company, Chicago, Ill. "For Confectionery." (For Confectionery).....	10,970	Apr. 19	108	2167
Citizens' Wholesale Supply Co., Columbus, Ohio. "Golden Rule V-a-n-i-l-a." (For an Extract).....	11,144	June 14	110	2011
City Ice Delivery Co., Cleveland, Ohio. "Distillata." (For Distilled Water).....	11,306	Aug. 16	111	1933
Claremore Radium Wells Sanitarium Co., Claremore, Ind. Ter. "Radium Water." (For Water).....	11,439	Oct. 4	112	1309
Clark, Charles H., Westfield, Mass. "And Whobee." (For Whips).....	10,648	Apr. 5	108	263
Clark, Joseph H., San Francisco, Cal. "Tenderfoot." (For Hosiery).....	11,321	Aug. 23	111	2217
Clark, S. B., New York, N. Y. "S. B. Clark's Nicest Biscuit, New York." (For Biscuits).....	11,606	Nov. 22	113	1141
Clarksburg Stogie Co., Clarksburg, W. Va. "Little Havana." (For Stogies).....	11,174	June 28	110	2507
Clarksburg Stogie Co., Clarksburg, W. Va. "T. C. S. Co.'s Cubans." (For Stogies).....	11,175	June 28	110	2507
Clarksburg Stogie Co., Clarksburg, W. Va. "T. C. S. Co.'s Old Plantation Havana Cigars." (For Cigars).....	11,176	June 28	110	2507
Clarksburg Stogie Co., Clarksburg, W. Va. "Smoke Up." (For Stogies).....	11,557	Nov. 8	113	545
Clifford, Edward B., Homestead, Pa. "Ki-Ki." (For Medicine).....	10,915	Apr. 5	109	1603
Clipper Manufacturing Company, New York, N. Y. "The Clipper Clip." (For Paper-Clips).....	10,704	Jan. 26	108	1047
Clipper Manufacturing Company, New York, N. Y. "The Fay Clip." (For Paper-Clips).....	10,705	Jan. 26	108	1047
Clipper Manufacturing Company, New York, N. Y. "The Gem Clip." (For Paper-Clips).....	10,706	Jan. 26	108	1047
Clipper Manufacturing Company, New York, N. Y. "The Niagara Clip." (For Paper-Clips).....	10,707	Jan. 26	108	1047
Cluster Gas Light Co., New York, N. Y. "Napoleon." (For Mantles).....	11,575	Nov. 8	113	545
Cluster Gas Light Company, New York, N. Y. "The Ever Ready." (For Mantles).....	11,687	Dec. 12	113	1965
Coe, C. E., Memphis, Tenn. "Louisiana Beauty New Orleans Molasses." (For Molasses).....	10,948	Apr. 5	108	263
Coe, C. E., Memphis, Tenn. "Sugar Glen." (For Molasses).....	10,993	Apr. 26	109	2439
Coe, C. E., Memphis, Tenn. "Chickasaw Plantation." (For Molasses).....	10,994	Apr. 26	109	2439
Coe, C. E., Memphis, Tenn. "Country Sorghum." (For Molasses).....	11,308	Aug. 16	111	1933
Cohen, Michael, New York, N. Y. "White Label." (For Wine).....	10,736	Feb. 9	108	1555
Cohen, Michael, New York, N. Y. "White Cap." (For Wine).....	11,045	May 10	110	597
Cohen, Michael, New York, N. Y. "Monticello." (For Wine).....	11,046	May 10	110	597
Cohen, Michael, New York, N. Y. "Royal Cabinet." (For Wine).....	11,108	May 31	110	1425
Cohen, Michael, New York, N. Y. "Duc d'Epervay." (For Wine).....	11,109	May 31	110	1425
Cole Lithographing Co., Chicago, Ill. "College Arms." (For Cigars).....	11,634	Nov. 29	113	1413
Cole Lithographing Co., Chicago, Ill. "Wessler's Best." (For Cigars).....	11,639	Dec. 27	113	2501
Coleman, B. H., Boise, Idaho. "Boise Natural Mineral Water." (For Mineral Water).....	10,709	Jan. 26	108	1047
Collins, James M., Concord, N. H. "Old Cumberland." (For Whisky).....	10,718	Feb. 2	108	1325
Colorado Confectionery Company, Pueblo, Colo. "Rood's Good Enough." (For Popcorn).....	11,129	June 7	110	1716
Congress Hotel Company, Chicago, Ill. "Congress Hotel Co. Annex Bourbon." (For Whisky).....	10,867	Mar. 22	109	1065
Conrad, Chas., New York, N. Y. "Dr. Conrad's Female." (For Medicine).....	10,708	Feb. 2	108	1325
Corbin, Willis E., New Britain, Conn. "Who-Who." (For a Game).....	11,022	June 28	110	2507
Corcoran, John J., Jr., New York, N. Y. "Dry-Sole." (For a Preparation for the Preservation of Soles).....	11,265	July 19	111	803
Cornog, Albert, Philadelphia, Pa. "Dr. A. Cornog's Giant Salve." (For Salve).....	11,713	Dec. 20	113	2211
Cranston Co., Jack, Augusta, Ga. "Diodora." (For Whisky).....	11,472	Oct. 11	112	1475
Cranston Co., Jack, Augusta, Ga. "Famous." (For Cocktails).....	11,473	Oct. 11	112	1475
Cranston, John M., Augusta, Ga. "Private Stock." (For Whisky).....	11,471	Oct. 11	112	1475
Creighton, Benj. T., Palmyra, N. J. "Creighton's Pulmonary Balsam." (For Cough-Syrup).....	11,386	Sept. 13	112	497
Creonol Chemical Company, New York, N. Y. "Creonol." (For Disinfectant).....	11,139	June 14	110	2011
Crecent Hat Co., Fall River, Mass. "L Union Falt La Force." (For Hats).....	10,762	Feb. 23	108	2141
Crecent Hat Co., Fall River, Mass. "United We Stand. Live and Let Live." (For Hats).....	10,764	Feb. 23	108	2141

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Crichton, Alexander, Castleton, Canada. "Grippura (Germ-Destroyer)." (For a Medicine).....	10,784	Mar. 1	109	273
Crichton, Alexander, Castleton, Canada. "Grippura (Germ-Destroyer)." (For Medicine).....	10,916	Apr. 5	109	1603
Crichton, Alexander, Castleton, Canada. "X-o Quick Cure." (For Medicine).....	10,984	Apr. 19	109	2167
Crichton, Alexander, Castleton, Canada. "It Reaches the Right Spot." (For Medicine).....	11,030	May 3	110	303
Crichton, Alexander, Castleton, Canada. "It Reaches the Right Spot." (For Medicine).....	11,215	July 5	111	297
Crichton, Alexander, Castleton, Canada. "It Reaches the Right Spot." (For Medicine).....	11,355	Nov. 15	113	845
Crouss, George H., Springfield, Mass. "Russet Cigar." (For Cigars).....	11,534	Nov. 1	113	277
Cryscos Drug Co., Harrisburg, Pa. "Cryscos." (For Medicine).....	11,710	Dec. 20	113	2211
Culver, Herbert H., Houghton, Mich. "Super-Cura." (For Medicine).....	11,113	May 31	110	1425
Cummings, George D., Allegheny, Pa. "Chicquids." (For Chewing-Gum).....	11,397	Sept. 20	112	725
Curran & Joyce Co., Lawrence, Mass. "Anzer Brain." (For Beer).....	11,579	Nov. 15	113	845
Curran & Joyce Co., Lawrence, Mass. "Black and White." (For Bourbon Whisky).....	11,734	Dec. 27	113	2501
Curran & Joyce Co., Lawrence, Mass. "Black and White." (For Rye Whisky).....	11,735	Dec. 27	113	2501
Curtis, I. R., Newark, N. J. "Curtis' Oils for Furniture, Hardwood, Pianos and Floors." (For Oils).....	11,141	June 14	110	2011
Cyphers Incubator Co., Buffalo, N. Y. "Full-Nest Egg Food." (For Egg Food).....	11,032	May 10	110	597
Cyphers Incubator Co., Buffalo, N. Y. "Save-All, Egg-Preservative." (For Egg-Preservative).....	11,243	July 12	111	577
Dalley & Moore, Pensacola, Fla. "Oyama." (For Tea).....	11,034	May 3	110	303
Danner Bros., Canton, Ohio. "Watch Case Engravers' Union, No. 3, Canton, Ohio." (For Cigars).....	11,095	May 24	110	1165
Davidow Brothers, New York, N. Y., and Wilkesbarre, Pa. "Atlas Silver Polish." (For Silver-Polish).....	11,310	Aug. 16	111	1933
Davis Bros., Gloucester, Mass. "Reliance." (For Fish).....	11,673	Dec. 13	113	1965
Davis Bros., Gloucester, Mass. "Very Best." (For Fish).....	11,674	Dec. 13	113	1965
Davis, Frank K., Chicago, Ill. "Chu-Chu Chewing Gum." (For Chewing-Gum).....	11,598	Nov. 15	113	845
Davis Pharmaceutical Company, New York, N. Y. "Guaisotol (Davis) The Only Permanent Sirup of Guaisacol." (For Medicine).....	10,983	Apr. 19	109	2167
Davis Pharmaceutical Company, New York, N. Y. "Bromo-Protoline (Davis)." (For Chemical Compound).....	11,338	Aug. 23	111	2217
Davis, W. B., Topeka, Kans. "Kremelite." (For Medicine).....	10,769	Feb. 28	108	2141
Dawson Pharmaceutical Co., Dawson Springs, Ky. "Iodized Emulsion, (Scott)." (For an Emulsion).....	10,744	Feb. 16	108	1867
De Giorgi, Joseph H., Utica, N. Y. "Rheumol, The Monarch Cure." (For Medicine).....	10,654	Jan. 5	108	285
De Putron, Eustace C., West End, Va. "Elks' National Home." (For Cigars).....	11,337	Aug. 30	111	2487
Del Pino y Ca., Gaspar, New York, N. Y. "Sonatura." (For Cigars).....	11,435	Oct. 4	112	1209
Dentodyne Company, Buckhannon, W. Va. "Dentodyne." (For Medicine).....	11,642	Nov. 29	113	1413
Denton, Lewis G., Schenectady, N. Y. "Do-No." (For Medicine).....	10,870	Mar. 8	109	547
Denton, Lewis G., Schenectady, N. Y. "Just-as-Sure." (For Medicine).....	10,893	Mar. 29	109	1333
Dermal Lotion Co., Philadelphia, Pa. "Dermal Lotion." (For Lotion).....	11,643	Nov. 29	113	1413
Detwiler, J. E., Redlion, Pa. "Esquitos." (For Cigars).....	11,462	Oct. 11	112	1475
Duffley, Michael W., Chicago, Ill. "Chicago Athletic Club." (For Cigars, Cigarettes, and Tobacco).....	11,447	Oct. 4	112	1209
Diunzzo, Martin, Des Moines, Iowa. "Martin's Chili Con Carne." (For Relishes).....	11,439	Oct. 4	112	1209
Dittman, Andrew J., New York, N. Y. "Jitsu." (For a Game).....	11,688	Dec. 13	113	1965
Ditz, Joe, Saginaw, Mich. "San Toy." (For Cigars).....	10,650	Jan. 5	108	285
Doherty & Co., John E., Detroit, Mich. "Caruso." (For Cigars).....	11,178	June 28	110	2507
Dow, John C., Lynn, Mass. "Automatic Drugist." (For Automatic Medicine-Chest).....	11,154	June 14	110	2011
Dowd & Co., J. C., New York, N. Y. "Sta-Kleen." (For Tooth-Brushes).....	11,199	June 28	110	2507
Downing, J. C. C., Montclair, Fla. "Dr. Downing's B 1818 Tablets." (For Medicinal Tablets).....	11,068	May 17	110	855
Dr. Farrell's Catarrh Cure Co., Sheridan, Wyo. "Dr. Farrell's Absolute Cure For Catarrh." (For Medicine).....	10,734	Feb. 9	108	1535
Drall, Hugo, Easton, Pa. "Drall's Tonic Chocolate." (For Tonic-Chocolate).....	11,708	Dec. 20	113	2211
Draughton, William H., Springfield, Tenn. "Monte Carlo." (For Card Games).....	11,040	May 10	110	597
Drennan, John D., Cincinnati, Ohio. "American Glory Seven Oils." (For Medicinal Oils).....	10,659	Jan. 5	108	285
Drewry, George, Rat Portage, Canada. "Sabana." (For Cigars).....	11,530	Nov. 1	113	277
Dunseith, J. F. (See Leonardth, Dunseith, and Frieden).....	11,631	Dec. 6	113	1701
Durant, H. B., Aurora, Ill. "Durant's Yellow Gail Cure." (For Medicine).....	11,031	May 3	110	303
Dyer, Thomas, Providence, R. I. "Mann's Vegetable Syrup." (For Medicine).....	11,092	May 24	110	1165
Eagle Lithographing Company, Cincinnati, Ohio. "Wannore." (For Whisky).....	11,294	Aug. 9	111	1621
Earle, Theron, Greenville, S. C. "Earle's Kidney and Bladder Cure." (For Medicine).....	10,761	Feb. 16	108	1867
Eason, William H., Whitehall, N. Y. "20th Century Stock Food." (For Stock-Food).....	11,021	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Malarine." (For Medicine).....	11,022	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Catarrhine." (For Medicine).....	11,023	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Sulphurine." (For Medicine).....	11,024	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Egyptian-Oil." (For Medicine).....	11,025	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Aphrodine." (For Medicine).....	11,026	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Cholerine." (For Medicine).....	11,027	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Coughine." (For Medicine).....	11,028	May 3	110	303
East India Chemical Co., St. Louis, Mo. "Constapine." (For Medicine).....	11,029	May 3	110	303
Eastern Condensed Milk Company, Ltd., Kennett Square, Pa. "White House." (For Condensed Milk).....	11,383	Sept. 13	112	497
Eckert, T. A., Newport, Ky. "Eckert." (For Coffee).....	10,728	Feb. 9	108	1535
Egyptian Cream of Myrrh Company, Cleveland, Ohio. "Egyptian Cream of Myrrh." (For Massage-Cream).....	11,262	July 19	111	803
Emmerson-Stow Co., Oroville, Cal. "E. & S. Brand of Pure California Olive Oil." (For Olive-Oil).....	10,925	Apr. 5	109	1603
Elder-Harrison Co., Baltimore, Md. "Green Spring Valley." (For Whisky).....	10,708	Jan. 26	108	1047
Elder-Harrison Co., Baltimore, Md. "Green Spring Valley." (For Whisky).....	11,592	Nov. 1	113	277
Elder-Harrison Co., Baltimore, Md. "Highland Hearts." (For Whisky).....	11,586	Nov. 15	113	845
Elliott, W. C., Paris, Tex. "Dixie Screw Worm Ointment." (For Ointment).....	11,166	June 21	110	2331
Elliott, W. C., Paris, Tex. "Dixie Fly Oil." (For an Oil).....	11,167	June 21	110	2331
Elliott, W. C., Paris, Tex. "Caster Honey." (For Medicine).....	11,216	July 5	111	297
Empire Mills Co., Columbus, Ga. "King of Patents." (For Flour).....	11,619	Nov. 29	113	1413
Enterprise Soap Works, Nashville, Tenn. "Dr. Grey's Almond Cream Toilet Soap." (For Toilet Soap).....	10,940	Apr. 12	109	1883
Enterprise Soap Works, Nashville, Tenn. "Dr. Grey's Almond Cream Toilet Soap." (For Toilet Soap).....	10,941	Apr. 12	109	1883
Erb, Ludwig G. B., New York, N. Y. "Clover Powders." (For Remedy for Headache and Neuralgia).....	11,562	Nov. 8	113	545
Erdman & Co., Philadelphia, Pa. "Erdman's German Herb Tablets." (For Medicine).....	11,066	May 17	110	855
Erdman & Co., Philadelphia, Pa. "Erdman's German Herb Tonic." (For Medicine).....	11,082	May 24	110	1165
Erdman, William E., Baltimore, Md. "Fairview Liniment." (For Liniment).....	11,457	Oct. 4	112	1209
Eshleman, Flora V., Philadelphia, Pa. "Archon." (For Cigars).....	10,992	Apr. 19	109	1603
F. E. Johnson Company, Boston, Mass. "Klenzie." (For Cleaning Preparation).....	11,190	June 28	110	2507
Falk, James S., Baltimore, Md. "Imperial Vaginettes." (For Suppositories).....	11,273	July 26	111	1033
Falco, Henri L., Brooklyn, N. Y. "Turkish Carbon India Ink." (For India Ink).....	11,519	Oct. 25	112	2089

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Fan Craze Company, Cincinnati, Ohio. "Fan Craze." (For Game Outfit)	11,358	Sept. 6	112	247
Faulhaber Chemical Co., New York, N. Y. "Royal Bengal Stove Polish." (For Stove-Polish)	10,713	Feb. 2	108	1325
Faxon, William H., Buffalo, N. Y. "Faxon's Black & Green Tea." (For Tea)	10,684	Jan. 19	108	793
Faxon, William H., Buffalo, N. Y. "Butters." (For Crackers)	11,906	Mar. 29	109	1333
Faxon, William H., Buffalo, N. Y. "Graham Crackers." (For Crackers)	11,260	July 19	111	803
Fitch, Claude E., Chicago, Ill. "Brace-Up in Ten Minutes." (For Medicine)	11,453	Oct. 4	112	1209
Flad, William, New York, N. Y. "The Rose Girl." (For Fancy Boxes)	11,600	Nov. 15	113	845
Flad, William, New York, N. Y. "The Poppy Girl." (For Fancy Boxes)	11,601	Nov. 15	113	845
Flad, William, New York, N. Y. "The Violet Girl." (For Fancy Boxes)	11,602	Nov. 15	113	845
Flad, William, New York, N. Y. "The Cornflower Girl." (For Fancy Boxes)	11,603	Nov. 15	113	845
Flanagan, George, St. Louis, Mo. "Salvator Salve." (For Salve)	10,811	Mar. 8	109	547
Flatauer, George, New York, N. Y. "La Rosa Favorita." (For Cigars)	11,731	Dec. 27	113	2501
Fonts, Ramon, New York, N. Y. "Flor de Cuba." (For Tomatoes)	11,533	Nov. 1	113	377
Forest City Cigar Co., Wausau, Wis. "Dan Patch." (For Cigars)	10,746	Feb. 16	108	1867
Foster-McClellan Co., Buffalo, N. Y. "Doan's Dinner Pills." (For Pills)	11,741	Dec. 27	113	2501
Fred Miller Brewing Co., Wauwatosa, Wis. "High Life." (For Beer)	10,719	Feb. 2	108	1325
Frederick W. Brown Co., Philadelphia, Pa. "Vive Tablets." (For Medicine)	11,081	May 24	110	1165
Friedgen, Charles. (See Leonhardt, Dunsieith, and Friedgen.)				
Friedgen, Charles, New York, N. Y. "Violet Emollient Skin Tonic and Massage Cream." (For Emollient Preparation)	10,812	Mar. 8	109	547
Frysinger, George P., Sr., Tucson, Ariz. Ter. "Smyrna Turkey Fig Syrup." (For Fig Syrup)	11,738	Dec. 27	113	2501
Garden City Sand Company, Chicago, Ill. "All Stone." (For Wall-Plaster)	10,913	Apr. 5	109	1603
Gardner, Joseph, Seattle, Wash. "Gardner's Pepsin Chewing Gum." (For Chewing-Gum)	11,030	May 10	110	597
Gardner, Joseph, Seattle, Wash. "Gardner's Pepsin Gum." (For Chewing-Gum)	11,031	May 10	110	597
Gardner, Lester D., New York, N. Y. "Liquid Sunshine." (For Beverages)	10,737	Feb. 9	108	1585
Gehring, Gustave P., Philadelphia, Pa. "Elixir of Radium." (For Medicine)	10,919	Apr. 5	109	1603
Geller, John S., Philadelphia, Pa. "Peachey." (For Tobacco)	11,377	Sept. 13	112	497
Geraux, A. A., Los Angeles, Cal. "Toko Bathing Tablets for a Toko Bath." (For Bathing-Tablets)	11,663	Dec. 6	113	1701
Gerhard & Boehning, Cincinnati, Ohio. "Radium." (For Soap)	10,928	Apr. 5	109	1603
Gerke, P. A., Toledo, Ohio. "The Whistler." (For Cigars)	10,900	Mar. 29	109	1333
German-American Hien-fong Co., Detroit, Mich. "Dr. Straube's Hien-fong Essence." (For Medicine)	11,272	July 26	111	1033
German American Soap Works, Ltd., New Orleans, La. "Oleo." (For Soap)	11,404	Sept. 20	112	723
Gerson, Louis J., Philadelphia, Pa. "Ge-Ge." (For a Medicated Confection)	11,541	Nov. 1	113	777
Gerstendorfer Bros., New York, N. Y. "Sapolin Floor Stains." (For Floor Stains)	11,520	Oct. 25	112	2089
Gibson, E. B., Chattanooga, Tenn. "Moccasin Club." (For Whisky)	11,351	Aug. 30	111	2487
Gillen & Boney, Lincoln, Nebr. "Prairie Rose." (For Candy)	11,621	Nov. 29	113	1413
Gillen & Boney, Lincoln, Nebr. "Golden Rose." (For Candy)	11,622	Nov. 29	113	1413
Gilliand Baking Powder Co., Cameron, Mo. "Simon Pure." (For Baking-Powder)	10,816	Mar. 8	109	547
Gilt Edge Cereal Co., Marcellus, Mich. "Gilt Edge Cereal." (For Cereal Coffee)	10,902	Mar. 29	109	1333
Gilt Edge Cigar Box Factory, Lancaster, Pa. "High Grade Havana Filler." (For Cigars)	11,493	Oct. 18	112	1745
Givens, Frank M., Fond du Lac, Wis. "King's Oil Paste Harness Dressing." (For Dressing)	11,172	June 21	110	2331
Globe Medicine Company, Denver, Colo. "Antiseptic Vaginaloids." (For Medicine)	11,078	May 24	110	1165
Gloekler, Bernard, Pittsburgh, Pa. "Eclipse." (For Refrigerators, Butchers' Tools, Machinery, and Supplies)	11,393	Sept. 13	112	497
Godoy, Francis J., New York, N. Y. "Ultramarine Sheet Bluing." (For Bluing)	11,128	May 31	110	1425
Goeblhauser, August J., Evansville, Ind. "Goo Goo Poultry Food." (For Poultry-Food)	11,336	Aug. 23	111	2217
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Foot Remedy." (For Live-Stock Medicine)	11,001	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Germ Killer." (For Live-Stock Medicine)	11,002	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Scientific Heave Cure." (For Live-Stock Medicine)	11,003	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Worm Powder." (For Live-Stock Medicine)	11,004	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Egg-a-Day Poultry Food." (For Poultry-Food)	11,005	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Special Horse Tonic." (For Horse-Tonic)	11,006	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Quick Cure Condition Powder." (For Condition-Powders for Live Stock)	11,007	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Hog Fattener." (For Hog-Fattening Foods)	11,008	Apr. 26	109	2439
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Cattle Fattener." (For Fattening-Foods for Cattle)	11,009	Apr. 26	109	2439
Gold Spring Distilling Company, St. Louis, Mo. "Artee Genuine German Distilled Peppermint." (For Peppermint)	10,733	Feb. 9	108	1585
Golden Gate Fruit Co., New York, N. Y. "Old Blend Apricot Brandy." (For Brandy)	11,564	Nov. 8	113	545
Gore, L. L., New York, N. Y. "Zembra." (For Cigars)	10,952	Apr. 12	109	1893
Gordon, Robert W., McKeesport, Pa. "Gordon's Improved Borax Axle Soap." (For Axle-Soap)	11,191	June 28	110	2507
Grand Rapids Cigar Box Co., Grand Rapids, Mich. "John Lord." (For Cigars)	10,792	Mar. 1	109	273
Grand Rapids Novelty Manufacturing Company, Grand Rapids, Mich. "Algier Patent Button and Button Fastener." (For Buttons and Button-Fasteners)	11,686	Dec. 13	113	1965
Grasso, Paride, New York, N. Y. "Paride's Injection." (For Medicine)	11,070	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Emulsion." (For Medicine)	11,071	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Miraculous." (For Medicine)	11,072	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Magic-Fluid." (For Medicine)	11,073	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Odontale." (For Medicine)	11,074	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Liqueur." (For Medicine)	11,075	May 24	110	1165
Grasso, Paride, New York, N. Y. "Paride's Compound." (For Medicine)	11,076	May 24	110	1165
Gravie, Henry, New York, N. Y. "White Star." (For Gin)	10,831	Mar. 15	109	803
Gray Lithograph Co., New York, N. Y. "American Club Ginger Ale." (For Ginger-Ale)	11,440	Oct. 4	112	1309
Great Western Oil Co., Cleveland, Ohio. "Banner Phenyle." (For Phenyl)	11,192	June 28	110	2507
Great Western Oil Company, Cleveland, Ohio. "Chlorozone." (For Disinfectant)	11,115	May 31	110	1425
Green Mountain Distillery, Kansas City, Mo. "Tastewell." (For Whisky)	11,148	June 14	110	2011
Green Mountain Distillery Co., Kansas City, Mo. "Gold Medal." (For Whisky)	11,654	Dec. 6	113	1701
Grohaur Mfg. Co., Haverhill, Mass. "Grohair." (For Hair-Restorer)	11,171	June 21	110	2331
Grunbaum, Adolf, New York, N. Y. "A. C. Martini Cognac." (For Brandy)	10,732	Dec. 27	113	2501
Guy, W. J., Kemp, Tex. "Big A Cure." (For Medicine)	11,498	Oct. 18	112	1745
Guzowski, P. J., Chicago, Ill. "Guzo Calvarian Elixir." (For Medicine)	10,702	Jan. 26	108	1047
H. C. Christians Co., Johnson Creek, Wis. "Ayrshire Creamery." (For Butter)	11,672	Dec. 13	113	1965
H. C. Fueller Drug Co., Grafton, W. Va. "Roach Rest." (For Roach-Powder)	10,920	Apr. 5	109	1603
H. J. Grell Butter & Egg Co., Johnson Creek, Wis. "Grell's Rose Leaf Brand Creamery Butter"	10,680	Jan. 19	108	793
H. J. Grell Butter & Egg Co., Johnson Creek, Wis. "Grell's Rose Leaf Brand Creamery Butter"	11,394	Sept. 20	112	725
H. J. Heinz Co., Allegheny, Pa. "Heinz Tomato Ketchup." (For Tomato Catchup)				

Alphabetical list of registrants of labels—Continued.

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H. P. Engeln Company, Cleveland, Ohio. "Velo." (For Massage-Machines).	11,645	Nov. 29	113	1413
Hahn, William, Washington, D. C. "Bendeesy." (For Shoes)	11,501	Oct. 18	112	1745
Hall, John B., Philadelphia, Pa. "The Magic Curler." (For Hair-Curlers)	10,822	Mar. 15	109	803
Hajace, Wm. L., Salida, Colo. "Old Reliable Conductor." (For Cigars)	11,701	Aug. 2	113	1361
Hanford, Warren D., New York, N. Y. "Hyral Park Butter." (For Butter)	11,397	Aug. 23	111	2217
Hanna, John W., New York, N. Y. "Wyoming." (For Cotton Piece Goods)	10,722	Feb. 9	108	1585
Hansen, Julius G., Reading, Pa. "All Points." (For Cigars)	11,436	Oct. 4	112	1209
Hanson, Magnus, Chicago, Ill. "Norland Club Pure Rye." (For Whisky)	11,733	Dec. 27	113	2501
Harden & Co., Acheson, New York, N. Y. "Shamrock Flaxette." (For Handkerchiefs)	10,821	Mar. 15	109	803
Harris & Bro., Robt., Reidsville, N. C. "High Life." (For Smoking-Tobacco)	10,971	Apr. 19	109	2167
Harris & Bro., Robt., Reidsville, N. C. "Honey Dew." (For Smoking-Tobacco)	10,972	Apr. 19	109	2167
Harris & Bro., Robt., Reidsville, N. C. "Pride of Reidsville." (For Smoking-Tobacco)	10,973	Apr. 19	109	2167
Harrisburg Shoe Mfg. Co., Harrisburg, Pa. "Never Slip Rubberized Soles." (For Shoe Soles)	10,842	Mar. 22	109	1065
Haswell, Theodore, Kansas City, Mo. "Perfumed Antiseptic Hasoma." (For Toilet Cream)	11,085	May 24	110	1165
Hatcher, Charles M., Boston, Mass. "Ideal Bain Book." (For Bluing-Book)	11,599	Nov. 15	113	845
Haverly, Eliza, New York, N. Y. "Parfumerie Exquisia Cold Cream Jack Haverly Extra Fine." (For Toilet Preparation)	11,211	July 5	111	297
Hayeck, Sowma G., New York, N. Y. "Sultan's Favorite." (For Perfume)	11,042	May 10	110	597
Hayeck, Sowma G., New York, N. Y. "Rose Pomade." (For Pomade)	11,043	May 10	110	597
Hestfield, William G., Buffalo, N. Y. "Hestfield Lager-Beer." (For Lager-Beer)	11,537	Nov. 1	113	277
Hegeman & Co., New York, N. Y. "Emocascara." (For Proprietary Medicine)	11,590	Nov. 15	113	845
Hegeman & Co., New York, N. Y. "Dygestiv." (For Proprietary Medicine)	11,591	Nov. 15	113	845
Hegeman & Co., New York, N. Y. "Santalsol." (For Proprietary Medicine)	11,592	Nov. 15	113	845
Hegeman & Co., New York, N. Y. "Lubrikant." (For Sterilized Lubricant for Surgical Appliances)	11,593	Nov. 15	113	845
Heine & Company, Arnold B., Aborn, Switzerland, and New York, N. Y. "Erin Brand." (For Handkerchiefs)	11,268	July 26	111	1033
Heinz Co., H. J., Allegheny, Pa. "Heinz Mustard Dressing." (For Mustard Dressing)	11,535	Nov. 1	113	277
Heinz Co., H. J., Allegheny, Pa. "Heinz Manzanilla Olives." (For Olives)	11,536	Nov. 1	113	277
Heinz Co., H. J., Allegheny, Pa. "Heinz Spanish Queen Olives." (For Olives)	11,537	Nov. 1	113	277
Heinz Co., H. J., Allegheny, Pa. "Heinz Apple Butter." (For Apple-Butter)	11,538	Nov. 1	113	277
Heinz Co., H. J., Allegheny, Pa. "Heinz Pepper Sauce." (For Pepper-Sauce)	11,571	Nov. 8	113	545
Heinz Company, H. J., Allegheny, Pa. "Heinz Preserved Sweet Gherkins." (For Pickles)	11,332	Aug. 23	111	2217
Heinz Company, H. J., Allegheny, Pa. "Heinz Preserved Sweet Mixed Pickles." (For Pickles)	11,333	Aug. 23	111	2217
Heinz Company, H. J., Allegheny, Pa. "Heinz Lady Relish." (For Relish)	11,334	Aug. 23	111	2217
Heinz Company, H. J., Allegheny, Pa. "Mustard." (For Prepared Mustard)	11,335	Aug. 23	111	2217
Henn & Speck Co., Evansville, Ind. "Speckled-Henn." (For Candy)	11,276	July 26	111	1033
Henning, Joseph, Twining City, D. C. "Phillips' Genuine Home Made Sausage." (For Sausage-Meat)	11,532	Nov. 1	113	277
Henry Roey Company, Chester, Pa. "Blu-Nap." (For Soap)	11,123	June 7	110	1716
Henschel & Co., A. C., Chicago, Ill. "Commercial Seal." (For Cigars)	10,999	Apr. 26	109	2439
Henschel & Co., A. C., Chicago, Ill. "Waybeek." (For Cigars)	11,059	May 17	110	855
Henschel & Co., A. C., Chicago, Ill. "La Malosa." (For Cigars)	11,094	May 24	110	1165
Henschel & Co., A. C., Chicago, Ill. "White Statue." (For Cigars)	11,305	Sept. 6	112	247
Henschel & Co., A. C., Chicago, Ill. "Calzonita." (For Cigars)	11,514	Oct. 25	112	2699
Henschel & Co., A. C., Chicago, Ill. "Perlatona." (For Cigars)	11,515	Oct. 25	112	2699
Henschel & Co., A. C., Chicago, Ill. "Bellatana." (For Cigars)	11,516	Oct. 25	112	2699
Henschel & Co., A. C., Chicago, Ill. "Sweet Nap." (For Cigars)	11,517	Oct. 25	112	2699
Henschel & Co., A. C., Chicago, Ill. "La Carodena." (For Cigars)	11,518	Oct. 25	112	2699
Henschel Manfg. Co., C. B., Milwaukee, Wis. "Star Arrow." (For Cigars)	10,666	Jan. 12	108	557
Henschel Mfg. Co., C. B., Milwaukee, Wis. "America." (For Cigars)	10,669	Jan. 8	108	285
Henschel Mfg. Co., C. B., Milwaukee, Wis. "Virginia Chiquapien." (For Cigars)	10,802	Mar. 8	109	547
Hesselroth, Lawrence, Chicago, Ill. "Ozonets." (For Breath-Perfuming Candies)	10,700	Jan. 26	108	1047
Hewitt, A. C., Philadelphia, Pa. "Katzen Yamer Kur." (For Medicine)	11,388	Sept. 13	112	497
Hewlett & Hewlett, New York, N. Y. "Southern Cross." (For Coffee)	11,035	May 3	110	303
Hicks, James M., Two Harbors, Mich. "Dr. Hicks's Malarial Capsules." (For Medicine)	10,918	Apr. 5	109	1169
Hicks, Royal C., Worcester, Mass. "Hill's Popular Pink Penetrating Hand Soap." (For Soap)	10,740	Feb. 9	108	1585
Hill, Leah P., Salt Lake City, Utah. "Mme La Forge's Crème des Roses." (For Cold-Cream)	10,939	Apr. 12	109	1883
Hofmeister, Flora, Racine, Wis. "Hofmeister Plackett." (For Ladies' Clothing)	10,937	Apr. 12	109	1883
Holp, Martha J., Butte, Mont. "Dr. Antrims Inhalant." (For Medicine)	10,742	Feb. 16	108	1897
Home Medicine Company, Laharpe, Ill. "K K Hot Cholera Preventive." (For Medicine)	11,053	May 10	110	597
Hoppe, Frank A., Philadelphia, Pa. "Nitro Powder Solvent No. 9." (For a Cleaning Compound)	11,613	Nov. 22	113	1141
Hosterman, John H., Boston, Mass. "Hosterman's Celebrated Amber Ointment." (For Ointment)	11,083	May 24	110	1165
Howard Chemical Company, New York, N. Y. "Scale Off Boiler Compound." (For a Boiler-Compound Powder)	10,793	Mar. 1	109	273
Howard, Joshua E., New York, N. Y. "Howard's True Violet Soap." (For Soap)	11,057	May 17	110	855
Hoves, Joseph L., New York, N. Y. "J. L. Hoves' Remedy." (For Medicine)	10,770	Feb. 23	108	2141
Hoves, Joseph L., New York, N. Y. "J. L. Hoves' Balm." (For Medicine)	10,771	Feb. 23	108	2141
Hoves, Joseph L., New York, N. Y. "Hoves' Magic Relief." (For Medicine)	10,772	Feb. 23	108	2141
Howland, Frank P., Cortland, N. Y. "Dr. Howland's Anti-Rheumatic." (For Medicine)	10,808	Mar. 8	109	547
Huber, Sarah M., Towanda, Pa. "Saranna." (For Chili-Sauce)	11,658	Dec. 6	113	1701
Hudson, Emma, New York, N. Y. "Bee Hive Pepsin Gum." (For Pepsin Gum)	11,213	July 5	111	297
Huels, Emil J., Brooklyn, N. Y. "Omega Headache Powders." (For Headache-Powders)	11,114	May 31	110	1425
Hume, Robert D., Wedderburn and Goldbeach, Oreg., and San Francisco, Cal. "Polaris Brand." (For Canned Salmon)	10,960	Apr. 12	109	1883
Hume, Robert D., Wedderburn and Goldbeach, Oreg., and San Francisco, Cal. "Harmony Brand." (For Canned Salmon)	10,992	Apr. 26	109	2439
Hunger, J. H., Burlington, Iowa. "Butt In." (For Cigars)	11,366	Sept. 6	112	247
Hunt, Ching, Binghamton, N. Y. "Dr. Wamba's Elixir." (For Medicine)	11,195	June 28	110	2507
Hunter, John B., Zanesville, Ohio. "Gold Bond, Knox, Dust, Fill, Medal, Plate Shoes." (For Shoes)	10,799	Mar. 8	109	547
Hutchinson, S. B., Ypsilanti, Mich. "Discount." (For Newspapers, Periodicals, Magazines, Pamphlets, &c)	10,819	Mar. 15	109	803
Hyde, E. B., Bennington, Vt. "Hyde's Hemlock Heave Cure." (For Medicine)	11,504	Oct. 25	112	2699
I-V Washing Tablet Co., Philadelphia, Pa. "I-V Washing Tablets." (For Washing-Tablets)	11,117	May 31	110	1425
Illinois Creamery Co., Chicago, Ill. "Holstein Brand." (For Butter)	10,765	Feb. 23	108	2141
Indianapolis Brewing Company, Indianapolis, Ind. "Lieber's Hoosier Beer." (For Lager-Beer)	11,285	Aug. 2	111	361
Ingham, Daniel F., Knoxville, Pa. "Napo." (For Syrup)	10,894	Mar. 15	109	803
Ins Company, St. Louis, Mo. "Ino." (For a Feverfew)	10,979	Apr. 19	109	2167
International Harvester Company of America, Chicago, Ill. "Pure Sisal Twine." (For Twine)	10,912	Apr. 5	109	1693
Ireland, H. I., Philadelphia, Pa. "Roelofette." (For Hats)	10,780	Mar. 1	109	273
Iroquois Brewing Company, Buffalo, N. Y. "Bohemian." (For Lager-Beer)	10,923	Apr. 5	109	1603
Isaacs, Sam, New York, N. Y. "Turkish Root Tooth Powder." (For Tooth-Powder)	11,652	Dec. 6	113	1701
J. Clavel Wine & Cordial Co., New York, N. Y. "William Outajar Sloe Gin." (For Sloe Gin)	11,679	Dec. 13	113	1965

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J. Clavel Wine & Cordial Co., New York, N. Y. "E. Poncelet Frères, Vermouth Francais." (For Vermouth).....	11,680	Dec. 13	113	1965
J. Schmalz's Sons, Inc., Hoboken, N. J. "Schmalz's Sunrise Bread." (For Bread).....	11,359	July 19	111	1701
J. H. Duker & Bro. Co., Quincy, Ill. "Old Sil Whisky." (For Whisky).....	11,655	Dec. 6	113	1701
J. M. Robinson, Norton & Co., Louisville, Ky. "Dixie." (For Bleached Cotton).....	11,666	Dec. 6	113	1701
J. M. Robinson, Norton & Co., Louisville, Ky. "Our First." (For Bleached Cotton).....	11,667	Dec. 6	113	1701
J. M. Robinson, Norton & Co., Louisville, Ky. "Our Own." (For Bleached Cotton).....	11,668	Dec. 6	113	1701
J. M. Robinson, Norton & Co., Louisville, Ky. "Winner." (For Bleached Cotton).....	11,669	Dec. 6	113	1701
Jackson, Lee A., Boston, Mass. "H. C. Tooth Bleach." (For Dentifrice).....	10,993	Jan. 19	108	783
Jacob & Sons, H., New York, N. Y. "Buster Brown Legging." (For Leggings).....	10,694	Apr. 19	109	2167
Jacob & Sons, H., New York, N. Y. "Buster Brown Leggings." (For Leggings).....	11,012	May 3	110	303
James Chemical Co., Columbia, S. C. "Dr. James' Food and Liver Tonic." (For Medicine).....	11,588	Nov. 15	113	845
Jarell and Turner, Easton, Md. "Klenzene." (For Washing-Powder).....	10,646	Jan. 5	108	285
Jeffreys Tobacco Co., R. M., Chase City, Va. "Old Carolina Hand-Made Cheroots." (For Cheroots).....	11,165	June 21	110	2331
Jenkins Bros., Brooklyn, N. Y. "J-B Ammonia." (For Ammonia).....	11,116	May 31	110	1425
Jenkins, Clarence C. (See Jenkins, Wilson W. and C. C.).....				
Jenkins, Wilson W. and C. C., Brooklyn, N. Y. "Sea Foam." (For Ammonia).....	11,681	Dec. 13	113	1965
John A. Roebeling's Sons Co., Trenton, N. J. "Lead Seal." (For Wire).....	10,645	Jan. 5	108	285
Johnson, Hiram, and C. K. Bryden, Boston, Mass. "Golden Crown Patent XXXX Flour." (For Flour).....	11,112	May 31	110	1425
Johnson Seed Potato Co., Richmond, Me. "Seed Bolls from Our Potato Fields." (For Seed-Potatoes).....	10,678	Jan. 19	108	793
Johnson Seed Potato Co., Richmond, Me. "Quality Our Motto." (For Seed-Potatoes).....	10,732	Feb. 9	108	1385
Johnston, William J., Mayfield, Ky. "Dr. Joe's Sarpine." (For Medicine).....	11,367	Sept. 6	112	247
Jokober & Tremborg, New York, N. Y. "Union Paste." (For a Cleaning Preparation).....	11,252	July 12	111	577
Jones, William A. T., Pittsburg, Pa. "Politics." (For a Game).....	10,741	Feb. 16	108	1867
Jones, Linwood F., Portland, Me. "Louisiana Purchase Souvenir Puzzle." (For Puzzles).....	11,010	Apr. 26	109	2439
Josephine Creme Company, New York, N. Y. "Crème Josephine." (For Toilet Preparation).....	10,938	Apr. 12	109	1883
Kamps & Sacksteder Drug Co., Appleton, Wis. "Heath's Telulah Headache Capsules." (For Headache-Capsules).....	10,892	Mar. 29	109	1338
Karasick Brothers, Chicago, Ill. "Nervana Nature's Greatest Tonic." (For Medicine).....	11,583	Dec. 13	113	1965
Kauffman & Bro., A., York, Pa. "Habana Flor Fina." (For Cigars).....	11,233	Nov. 1	113	277
Kaye, Augustus W., Meridian, Miss. "Golden Rod Ginger Ale." (For Ginger Ale).....	11,583	Nov. 15	113	845
Keedell, Albert, New York, N. Y. "Ducks in Water." (For Toys).....	11,754	Dec. 27	113	2507
Keefer, Horace A., Chicago, Ill. "Radium Mantle." (For Gas-Mantles).....	10,963	Apr. 12	109	1883
Kelly, Harvey E., San Francisco, Cal. "Santal." (For Medicine).....	10,690	Jan. 19	108	733
Kennedy, William E., Washington, D. C. "Kennedy's Union-Made Hand Soap." (For Soap).....	11,364	Sept. 6	112	247
Kenton Baking Powder Co., Cincinnati, Ohio. "Dailey Bread Baking Powder." (For Baking-Powder).....	11,098	May 24	110	1165
Khasan, Naum, New York, N. Y. "Phurozon Mild." (For Medicine).....	11,354	Aug. 30	111	2487
Kieffer, Edward J., Savannah, Ga. "Clay's Sure Cure for Rheumatism." (For Medicine).....	10,680	Jan. 19	108	733
Kildow Cigar Co., T. M., Bethesda, Md. "T. M. Kildow's Half Spanish Cigars." (For Cigars).....	11,421	Sept. 27	112	951
King, John, Chicago, Ill. "Bull-Dog Brand." (For Paint).....	11,401	Aug. 9	111	1621
Kloroff Supply Co., Charles City, Iowa. "Kloroff Dandruff Cure." (For Dandruff Cure).....	11,310	Sept. 20	112	725
Knaupp, Albert T., Medford, Mass. "Three Minute Plum Pudding." (For a Food Preparation).....	10,838	Mar. 15	109	803
Kob, Adolph S., St. Louis, Mo. "Sure Condition Powder." (For Condition-Powders).....	11,711	Dec. 20	113	2211
Kopp & Mordan, Chicago, Ill. "Grape Nut Bread." (For Bread).....	10,991	Apr. 26	109	2439
Kouba, Anton V., Boulder, Colo. "Karlsbader Honey-Wine Bitters." (For Bitters).....	11,158	June 21	110	2331
Kouba, Anton V., Boulder, Colo. "Richie's Honey-Wine, Mel Vinum." (For Honey-Wine).....	11,159	June 21	110	2331
Kramer & Wegener, Chicago, Ill. "Hero-Pine." (For Cough Remedy).....	11,318	Aug. 16	111	1933
Krieger Bros., Louisville, Ky. "Old Town Club." (For Cigars).....	11,443	Oct. 4	113	1309
Krinsky, I. B., New York, N. Y. "Turkish Student Egyptian Cigarettes." (For Cigarettes).....	11,438	Oct. 4	112	1209
Krusen & Company, Philadelphia, Pa. "Dr. Lobb's True Homeopathic Cure." (For Medical Preparations).....	11,302	Sept. 13	112	497
Kuntz, Andreas and A., New York, N. Y. "Kuntz's Heidelberger Rheumatic Cure." (For Medicine).....	11,032	May 3	110	303
Kuntz, Anna. (See Kuntz, Andreas and A.).....				
L. Martin Company, New York, N. Y. "Old Standard Germantown 'Lamp-Black.'" (For Lamp-blacks and Colors).....	10,843	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Germantown Black." (For Lampblacks and Colors).....	10,844	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Torch Black or Commercial Black." (For Lamp-blacks and Colors).....	10,845	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Eagle Germantown 'Lamp Black.'" (For Lampblacks and Colors).....	10,846	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Extra Double Refined Superior Coach Painters' Lamp Black." (For Lampblacks and Colors).....	10,847	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Sign Painters' Spirit Lamp Black." (For Lampblacks and Colors).....	10,848	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Golden Star Spirit 'Lamp Black.'" (For Lampblacks and Colors).....	10,849	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Extra Car Painters' Lamp Black." (For Lamp-blacks and Colors).....	10,850	Mar. 22	109	1065
L. Martin Company, New York, N. Y. "Extra Curriers' Velvet 'Lamp-Black.'" (For Lamp-blacks and Colors).....	10,851	Mar. 22	109	1065
La Hilda Cigar Factory, Philadelphia, Pa. "Tribe of the Mac-O-Chee." (For Cigars).....	10,714	Feb. 2	108	1325
La Hilda Cigar Factory, Philadelphia, Pa. "Cuban's Favorite." (For Cigars).....	11,715	Feb. 2	108	1325
Lace, William C., Jr., Des Moines, Iowa. "Black and Tan Cigars." (For Cigars).....	10,464	Oct. 11	112	1475
Lackwanna Dairy Company, Scranton, Pa. "Jersey Queen." (For Condensed Milk).....	11,243	July 12	111	577
Langtry, Mary, Chicago, Ill. "Parisian Hair Restorer." (For Hair-Restorer).....	11,140	June 14	110	2011
Langigan, Oscar J., Chicago, Ill. "Anchor Soldering Flux." (For Soldering-Flux).....	11,143	June 14	110	2011
Larter, Clarence O., Detroit, Mich. "Cuban's Favorite." (For Cigars).....	10,743	Feb. 16	108	1867
Larter, Clarence O., Detroit, Mich. "The McKinley Charcoal Headache Cure." (For Medicine).....	11,168	June 21	110	2331
Larter, Clarence O., Detroit, Mich. "McKinley Tea." (For Medicine).....	11,389	Sept. 13	112	497
Latzar, Isidor, Chicago, Ill. "Trust Fighters." (For Cigars, Cigarettes, and Tobacco).....	10,779	Feb. 2	108	1325
Lautz Bros. & Co., Buffalo, N. Y. "Naphtha." (For Soap).....	11,677	Dec. 13	113	1965
Leuc, Constant, South Park, N. J. "American Cranberry Bitters." (For Cranberry Bitters).....	11,967	Dec. 20	113	2211
Leitze, George L., Buffalo, N. Y. "Electric Cleansing Flux Paste." (For Flux Paste).....	10,902	Apr. 12	109	1883
Lemen, J. Major, Shepherd, Mich. "Major's Neu-Ral Pills." (For Medicine).....	11,169	June 21	110	2331
Leonard & Huff, Los Angeles, Cal. "Snap-a-Jack." (For Popcorn, Peanuts, Coconut, and Candy).....	11,567	Nov. 8	113	545
Leonard, Sadie C., Los Angeles, Cal. "Orange Drip Syrup." (For Syrup).....	10,976	Apr. 19	109	217
Leonhardt, F. J., F. Danseith and C. Friedgen, New York, N. Y. "Odoricide." (For Toilet Lotion).....	11,311	Aug. 16	111	1933

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Leslie, T. K., New York, N. Y. "Silvalusta." (For Polish)	11,064	May 17	110	855
Lewis, Henry J., Philadelphia, Pa. "La Marlew." (For Cigars)	11,130	June 7	110	1716
Lewis, Henry J., Philadelphia, Pa. "L. Marlucio." (For Cigars)	11,290	Aug. 2	111	1361
Lexington Roller Mills Co., Lexington, Ky. "Idol." (For Flour)	10,938	Apr. 12	109	1833
Lexington Roller Mills Co., Lexington, Ky. "Apex." (For Flour)	10,939	Apr. 12	109	1833
Liberty Incandescent Light Co., New York, N. Y. "The Fiance." (For Mantles)	10,724	Feb. 9	106	1585
Liberty Incandescent Light Co., New York, N. Y. "Veribest." (For Mantles)	11,152	June 14	110	2011
Liberty Incandescent Light Co., New York, N. Y. "Search Light." (For Mantles)	11,302	Aug. 9	111	1621
Liberty Soap Company, Chicago, Ill. "American Beauties." (For Soap)	11,740	Dec. 27	113	2501
Liebig Extract Company, Incorporated, New York, N. Y. "Liebig's Red Cross Brand." (For Beef Extracts)	11,105	May 31	110	1425
Limerick, Charles V., Hamilton, Ohio. "Pell-Mell." (For Cleaning Compound)	11,572	Nov. 8	113	545
Lincoln, Celia A., Chicago, Ill. "Kureline." (For Medicine)	11,356	Aug. 30	111	2487
Lind, Alfred, Minneapolis, Minn. "Iduna." (For Medicine)	10,655	Jan. 5	108	285
Lipton, Thomas J., New York, N. Y. "Lipton's Teas." (For Teas)	11,244	July 12	111	577
Lipton, Thomas J., New York, N. Y. "Lipton's World Renowned Coffee." (For Coffee)	11,245	July 12	111	577
Lipton, Thomas J., New York, N. Y. "Lipton's Perfection Coffee." (For Coffee)	11,330	Aug. 23	111	2217
Lipton, Thomas J., New York, N. Y. "Lipton Teas." (For Teas)	11,331	Aug. 23	111	2217
Liquid Carbonic Company, Chicago, Ill. "Kola-Mint." (For a Beverage)	11,340	July 12	111	577
Liquid Carbonic Company, Chicago, Ill. "Club Kola." (For a Beverage)	11,383	Aug. 2	111	1361
Liquid Carbonic Company, Chicago, Ill. "Kola Chocolate." (For a Beverage)	11,289	Aug. 2	111	1361
Loewenthal, M., Cleveland, Ohio. "Ota-Coa." (For Breakfast-Food)	11,187	June 28	110	2507
Lohse, Gustav, Berlin, Germany. "Eau de Lys." (For Lotion)	11,717	Dec. 20	113	2211
Lohse, Gustav, Berlin, Germany. "Lily of the Valley." (For Extract)	11,721	Dec. 20	113	2211
Lohse, Gustav, Berlin, Germany. "Famora Toilet-Soap." (For Toilet Soap)	11,722	Dec. 20	113	2211
Lohse, Gustav, Berlin, Germany. "Lilienmilch-Seife." (For Soap)	11,723	Dec. 20	113	2211
Lomax, George, Chicago, Ill. "Lomax's Seltzer." (For Seltzer Water)	11,465	Oct. 11	112	1475
Lomax, George, Chicago, Ill. "Lomax's Sparkling Lemonade." (For Lemonade)	11,466	Oct. 11	112	1475
Lomax, George, Chicago, Ill. "Lomax's Root Beer." (For Root-Beer)	11,467	Oct. 11	112	1475
Lomax, George, Chicago, Ill. "Lomax's Original Pepsi Ginger Ale." (For Ginger-Ale)	11,468	Oct. 11	112	1475
Lomax, George, Chicago, Ill. "Extra Dry Aromatic Ginger Ale." (For Ginger-Ale)	11,469	Oct. 11	112	1475
Lomax, George, Chicago, Ill. "Lomax's Sparkling Ginger Ale." (For Ginger-Ale)	11,470	Oct. 11	112	1475
Loughery, Jas. J., Boston, Mass. "Red Berry Brand." (For Canned Goods, Foods, and Relishes)	11,136	June 28	110	2507
Lubarsky, Abram, New York, N. Y. "Bu Ko." (For Tea)	11,922	Apr. 5	109	1603
Lubarsky, Abram, New York, N. Y. "Bu Ko." (For Tea)	11,182	June 28	110	2507
Lubarsky, Abram, New York, N. Y. "Bu Ko." (For Tea)	11,183	June 28	110	2507
Lubarsky, Abram, New York, N. Y. "Bu Ko." (For Tea)	11,184	June 28	110	2507
Lubovitz, Edward J., New York, N. Y. "Lagina." (For Cigars)	10,665	Jan. 12	108	557
Ludin & Co., S. A., New York, N. Y. "Bestuvall Ginger Ale." (For Ginger-Ale)	11,347	Aug. 30	111	2487
Ludin & Co., S. A., New York, N. Y. "Bestuvall Sarsaparilla." (For Sarsaparilla)	11,348	Aug. 30	111	2487
Ludin & Co., S. A., New York, N. Y. "Bestuvall Lemon Soda." (For Lemon-Soda)	11,349	Aug. 30	111	2487
Luebert, A. Gustav, Philadelphia, Pa. "Luebert's Nox 'Em, Nox 'Em Quick." (For Insecticides)	10,814	Mar. 8	109	547
Lupke, John, Chicago, Ill. "Tourist." (For a Card Game)	11,755	Dec. 27	113	2501
Lytle, W. J., San Antonio, Tex. "The Texas Stockman." (For Cigars)	11,044	May 10	110	597
M. Hyman Cigar and Importing Company, Denver, Colo. "Anona." (For Cigars, Cigarettes, Tobacco, and Cheiving-Gum)	11,284	Aug. 2	111	1361
M. F. Peterson & Company, Chicago, Ill. "Peterson's Anti-Tender Foot Shoe, The Natural Foot Cover." (For Boots and Shoes)	11,297	July 5	111	297
Mae Mfg. Co., New York, N. Y. "English May Flower Lotion." (For Toilet Preparation)	10,889	Mar. 29	109	1333
Maelion, Lucile, Portland, Oreg. "Wonder Worker Remedies." (For Medicine)	10,943	Apr. 12	109	1833
Magnolia Syrup Co., Columbus, Ohio. "Magnolia Syrup." (For Syrup)	11,606	Nov. 22	113	1141
Mahon, John M., Gloucester City, N. J. "Johnny Mack Mahon's Rattle Snake Oil." (For Medicine)	10,887	Mar. 22	109	1066
Malkan, Phillip, Chicago, Ill. "P.M. Best 10 Year Old Maryland Rye Whiskey." (For Whisky)	10,890	Mar. 22	109	1065
Manheimer, Jacob, New York, N. Y. "Pomona." (For Edible Oils)	11,705	Dec. 20	113	2211
Mann Edge Tool Co., Lewistown, Pa. "The XX Axe." (For Axes and Edge-Tools)	10,795	Mar. 1	109	273
Mann Edge Tool Co., Lewistown, Pa. "Colonial." (For Axes and Edge-Tools)	10,796	Mar. 1	109	273
Mann Edge Tool Co., Lewistown, Pa. "Bald Eagle." (For Axes and Edge-Tools)	10,797	Mar. 1	109	273
Mann Edge Tool Co., Lewistown, Pa. "Red Top." (For Axes and Edge-Tools)	10,798	Mar. 1	109	273
Mann, James H., Lewistown, Pa. "Mann's Superior." (For Axes)	10,794	Mar. 1	109	273
Manning, Mary J., Buffalo, N. Y. "Vitine." (For Hair-Grower Remedy)	11,368	Sept. 6	112	247
March, Jasper G., Chestertown, N. Y. "March's Hair Health." (For Hair and Scalp Cleanser)	10,823	Mar. 15	109	803
Marchiony, Italo, New York, N. Y. "Ice Cups." (For Biscuit-Cups for Holding Ice-Cream)	10,817	Mar. 8	109	547
Marion-Tare Water Company, Harrisburg, Pa. "Marion-Tare Water." (For Still and Carbonated Waters)	11,241	July 12	111	577
Marshall, Thomas H., Kingston, N. Y. "Kremo Dentine." (For Tooth-Powder)	10,692	Jan. 19	108	793
Martin, Jules A., St. Louis, Mo. "Cleaver State." (For Shoes)	11,752	Dec. 27	113	2501
Martin & Son, W. E., Macomb, Ill. "Epi." (For Medicine)	10,773	Feb. 23	108	2141
Martin, William H., Mobile, Ala. "Sole Saver." (For Waterproof Dressing for Leather)	11,463	Oct. 11	112	1475
Marzyck, William F., Jacksonville, Fla. "Gallant Knight 5ct. Cigar." (For Cigars)	11,463	Oct. 11	112	1475
Maspero, C., New York, N. Y. "C. Maspero's Medicinal Olive Oil." (For Olive-Oil)	11,609	Nov. 22	113	1141
Masters & Co., Chas. A., Boston, Mass. "Yale." (For Apparel)	10,909	Mar. 29	109	1333
May Co., Cleveland, Ohio. "The Tramp \$2.50." (For Shoes)	10,644	Jan. 5	108	285
Mayer, M. & C., New York, N. Y. "The Patent Warrior Garter Top Hose No. 1313." (For Hosiery)	11,550	Nov. 8	113	545
McAvoy Brewing Co., Chicago, Ill. "Alma Mater." (For Beer)	11,210	July 5	111	297
McBride & Taylor, Marlin, Tex. "Marlin Spits, Marlin Natural Mineral Water." (For Mineral Water)	11,445	June 14	110	2011
McCann, J. P., Cleveland, Ohio. "Laxative Syrup of Bananas." (For Medicine)	11,708	Dec. 20	113	2211
McCarthy, Ellen, McKees Rocks, Pa. "American Blend Tea." (For Tea)	11,106	May 31	110	1425
McClelland, J. M., Salsburg, Pa. "J. M. McClelland's Crystal Drops." (For Medicine)	10,390	Sept. 13	112	497
McClintic, Frank L., Battlereck, Mich. "Salax." (For Medicine)	11,688	Jan. 19	108	793
McDonald, J. C. A., Chicago, Ill. "Naturezone." (For Hair-Tonic)	11,041	May 10	110	597
McGary, Jefferson J., Denver, Colo. "McGary's Universal Silver and Jewelry Polish." (For Cleaning and Polishing Compound)	11,251	July 12	111	577
McGuire, Frank H., Detroit, Mich. "Ravenlock Hair Tonic and Scalp Vitalizer." (For Hair-Tonic)	11,198	June 28	110	2507
McIntyre, Patrick, Asheville, N. C. "Fifteen Years Old Manasses 1861 Pure Rye Whiskey." (For Whisky)	10,791	Mar. 1	109	273
McIntyre, Patrick, Asheville, N. C. "Tarbelle Whiskey." (For Whisky)	10,832	Mar. 15	109	803
McLean Co., Andrew, Passaic, N. J. "Andrew McLean Co. Mosquito Nets." (For Mosquito-Nets)	11,013	May 8	110	303
McMahon, C. A., Cambridge, Mass. "Kennebec Spruce Gum." (For Gum)	11,149	June 14	110	2011
Meier & Co., H. H., Bremen, Germany. "Meier's Cement." (For Cement)	11,267	July 19	111	803

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Menthon-Jell Co., Albert Lea, Minn. "Kalo's Ruby Oil." (For Medicine).....	10,658	Jan. 5	108	285
Merchants Cigar Box Co., Dallastown, Pa. "Hand Made Havana Filler." (For Cigars).....	11,577	Nov. 15	113	845
Merritt & Son, C. H., Danbury, Conn. "Justice, Unity, Equity, Hand Made in America." (For Hats).....	10,929	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "Not Made by a Trust." (For Hats).....	10,930	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "By Industry We Thrive." (For Hats).....	10,931	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "United We Hold, Divided We Fall." (For Hats).....	10,932	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "Honest Labor, Fair Honest Wages." (For Hats).....	10,933	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "Union Gives Strength, America." (For Hats).....	10,934	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "Skilled Labor of America." (For Hats).....	10,935	Apr. 12	109	1883
Merritt & Son, C. H., Danbury, Conn. "Hand United to Hand Labor Conquers All." (For Hats).....	10,936	Apr. 12	109	1883
Mezzer, William, Buffalo, N. Y. "Fragrant Vello-Derma." (For Toilet and Massage Cream).....	11,415	Sept. 20	112	737
Miami Baking Powder Co., Oxford, Ohio. "Miami." (For Baking Powder).....	11,275	July 26	111	1033
Millar & Co., Geo. W., New York, N. Y. "Mayville Perfecting Surface Offset Paper." (For Paper).....	11,380	Aug. 23	111	2317
Miller, Tobias, New York, N. Y. "Golden Gate Fruit Co. Apricot Wine." (For Wine).....	11,060	May 17	110	855
Miller, Tobias, New York, N. Y. "Golden Gate Fruit Co. Orange Wine." (For Wine).....	11,061	May 17	110	855
Miller, William, Jersey City, N. J. "Genuine Insect Powder." (For Insect-Powder).....	11,653	Dec. 6	113	1701
Milliken, Tomlinson Co., Portland, Me. "Khedive." (For Tea).....	10,789	Mar. 1	109	273
Milliken, Tomlinson Co., Portland, Me. "Shamrock." (For Tea).....	10,790	Mar. 1	109	273
Minnesota Canning Co., St. Paul, Minn. "Minkota." (For Canned Tomatoes).....	11,749	Dec. 27	113	2501
Moeller & Kolb, Chicago, Ill. "Golden Oak." (For Cigars).....	11,247	July 12	111	577
Moise & Co., Walter, Omaha, Nebr. "Perpendicular A Straight Whiskey." (For Whisky).....	11,587	Nov. 15	113	845
Monogram Creme Co., Cleveland, Ohio. "Monogram Red Rose Rouge." (For Rouge-Cloths).....	11,720	Dec. 20	113	2211
Monumental Brewing Co. of Baltimore City, Baltimore and Highlandtown, Md. "The Perfect Brew." (For Bottled Beer).....	11,157	June 21	110	2331
Mum, M. Y., Washington, D. C. "The Morris Piano Bench." (For Whisky).....	11,460	May 10	110	397
Morris, L. D., Chicago, Ill. "The Morris Piano Bench." (For Piano-Benches).....	11,460	Oct. 4	112	1209
Mueller, Charles H., San Antonio, Tex. "Beauty Lac." (For Varnish Stain).....	11,724	Dec. 20	113	2211
Muggia, Umberto, New York, N. Y. "Anisette Muggia." (For Anisette).....	11,540	Nov. 1	113	277
Murhead, A. L., Central City, Nebr. "Protazette." (For Medicine).....	10,914	Apr. 5	109	1603
Murphy & Sons, Wm., Philadelphia, Pa. "Inner Pure Rye Whiskey." (For Whisky).....	11,180	June 28	110	3507
Muller, Joseph, New Orleans, La. "The Twentieth Century Medical Discovery, Muller's Gail Stone Cure." (For Medicine).....	11,456	Oct. 4	112	1209
Mumm & Co., G. H., Rheims, France. "Selected Brut * G. H. Mumm & Co." (For Champagne).....	11,110	May 31	110	1425
Mumm & Co., G. H., Rheims, France. "Selected Brut * G. H. Mumm & Co." (For Champagne).....	11,111	May 31	110	1425
Munro, James H., and J. M. Van Orden, Newark, N. J. "Munro's Corded Ceramic." (For Tiles).....	10,675	Jan. 12	108	557
Nader, Frank A., Chicago, Ill. "Rozaleaf Cream." (For a Toilet Preparation).....	11,719	Dec. 10	113	2211
Naja, Najet, New York, N. Y. "Cedar of Lebanon." (For Shawls and Scarfs).....	11,369	Sept. 13	112	497
Naja, Najet, New York, N. Y. "Obelisk of Pharaoh." (For Shawls and Scarfs).....	11,370	Sept. 13	112	497
Nash, Gardner F., Cleveland, Ohio. "Yankee Pop Corn." (For Popcorn).....	11,164	June 21	110	2331
National Grocery and Jobbers Supply Co., Saginaw Mich. "Ben Hur." (For Baking Powder).....	11,212	July 5	111	297
National Licorice Co., New York, N. Y. "Flexo Chocolate Bars." (For Chocolate Confectionery).....	11,429	Sept. 27	112	951
National Novelty Corporation, Pawtucket, R. I. "Our Dollies." (For Picture-Blocks).....	10,966	Apr. 19	109	2167
National Novelty Corporation, Pawtucket, R. I. "Domestic Pets." (For Picture-Blocks).....	10,967	Apr. 19	109	2167
National Phonograph Company, Orange, N. J. "Edison Gold Moulded Records." (For Phonograph-Records).....	11,303	Aug. 9	111	1621
National Puritana Company, Indianapolis, Ind. "Puritana." (For Prepared Cereal Foods).....	11,476	Oct. 11	112	1475
National Toilet Co., Paris, Tenn. "Nadine Face Powder." (For Face-Powder).....	10,691	Jan. 19	108	793
Natural Food Co., Niagara Falls, N. Y. "Triscuit." (For Bread).....	10,855	Mar. 22	109	1065
Naylor, Edmund W., Brighouse, England. "Pilot Boat." (For Confectionery).....	11,382	Sept. 13	112	497
Ned, Louis J., Omaha, Nebr. "Monogram." (For Aperient Wine).....	11,242	July 12	111	577
Nellis Co., C. S., Syracuse, N. Y. "Willow Charcoal Cream and Milk." (For Medicine).....	11,249	July 12	111	577
Neuhaus, C., Chicago, Ill. "Warala." (For Salve).....	11,214	July 5	111	297
Nevergood, Enos, Bangor, Me. "Island Brand." (For Candy).....	11,277	July 26	111	1033
New York Importation Co., New York, N. Y. "Jochinar Old Highland Scotch." (For Whisky).....	10,833	Mar. 15	109	803
New York Importation Co., New York, N. Y. "Gibbs & Co.'s Unsweetened Dry Gin." (For Gin).....	11,069	May 24	110	1165
Newmark & Co., M. A., Los Angeles, Cal. "Farm Brand Sterilized Cream." (For Sterilized Cream).....	10,729	Feb. 9	108	1585
Niagara Fruit Jelly Co., Buffalo, N. Y. "Colonial Jelly." (For a Jelly Powder).....	10,957	Apr. 12	109	1883
Nickerson, Ruei R., Holyoke, Mass. "The Post Office Writing Tablet." (For Writing-Tablets).....	11,725	Dec. 20	113	2211
Nininger & Frantz, Daleville, Va. "White House Brand Tomatoes." (For Tomatoes).....	11,394	Sept. 13	112	497
Nonotuck Silk Company, Florence, Mass. "Corticelli Buttonhole Twist." (For Buttonhole-Twist).....	11,342	Aug. 30	111	2487
Nonotuck Silk Company, Florence, Mass. "Corticelli 10-Yard Spool-Silk." (For Spool-Silk).....	11,419	Sept. 20	112	725
Nonotuck Silk Company, Northampton, Mass. "Corticelli 50 yard Spool Silk." (For Spool-Silk).....	11,416	Nov. 1	113	277
Norfolk Linen Company, Boston, Mass. "Absorbent Linen Flax-Fleece." (For Absorbent Linen).....	11,332	Aug. 23	111	2212
Northern American Hat Co., Fall River, Mass. "Individual Liberty." (For Hats).....	11,430	Sept. 27	112	951
Noxite Chemical Co., Chattanooga, Tenn. "Noxite." (For Preparation for the Breath).....	11,325	Aug. 23	111	2217
O. L. Schwencke Lithographic Co., Brooklyn, N. Y. "Purity." (For Cigars).....	11,494	Oct. 18	112	1745
O. L. Schwencke Lithographic Co., Brooklyn, N. Y. "Ematistic." (For Cigars).....	11,495	Oct. 18	112	1745
O. L. Schwencke Lithographic Co., Brooklyn, N. Y. "American Sire." (For Cigars).....	11,496	Oct. 18	112	1745
Oettinger, Albert, Philadelphia, Pa. "German Worm Expeller." (For Medicine).....	11,067	May 17	110	855
Old Baking Co., Cleveland, Ohio. "Euclid Butter Crackers." (For Bakery Products).....	11,491	Oct. 18	112	1745
Old Mission Preserving Co., Los Angeles, Cal. "Old Mission Preserving Co." (For Preserves, Jellies, Jams, Canned Fruits).....	11,101	May 31	110	1425
Olsson, Axel, Chicago, Ill. "Oat Cream." (For Toilet Cream).....	11,170	June 21	110	2331
Omaha Packing Co., Chicago, Ill., South Omaha, Nebr., St. Joseph and Kansas City, Mo. "Underwood Sugar Cured Meats." (For Canned and Other Meats).....	10,788	Mar. 1	109	273
Ontario Biscuit Company, Buffalo, N. Y. "Jersey Butters." (For Biscuits).....	10,855	Mar. 22	109	1065
Ontario Biscuit Company, Buffalo, N. Y. "Ontario Soda Biscuits." (For Biscuits).....	10,857	Mar. 22	109	1065
Order of the Knights of Labor, (Inc.) Washington, D. C. "K of L Union Printers." (For Printed Matter).....	11,359	Sept. 6	112	247
Order of the Knights of Labor, (Inc.) Washington, D. C. "Knights of Labor, Union Made Cigars." (For Cigars).....	11,380	Sept. 13	112	497
Order of the Knights of Labor, (Inc.) Washington, D. C. "Union Made Garment Workers Knights of Labor." (For Garments).....	11,431	Sept. 27	112	951
Oriental Remedy Co., Chicago, Ill. "Sphinx Tablets." Arabian Specific." (For Dyspepsia Tablets).....	11,505	Oct. 25	112	2089
Osborne, Frank N., New York, N. Y. "The President's Inauguration Cup." (For Cups).....	11,121	June 7	110	1716
Otis Lithograph Co., Cleveland, Ohio. "Cigarettes." (For Cigars).....	11,131	June 7	110	1716
Our Husbands Mfg Co., London, Vt. "Cow-Tone." (For Medicine).....	11,451	Oct. 4	112	1209
Oxford Distilling Co., Baltimore, Md. "Parker Rye." (For Rye Whisky).....	11,147	June 14	110	2011
Packer, Christina M., Chicago, Ill. "Superlative Hair Restorer." (For Hair-Restorer).....	11,739	Dec. 27	113	2501

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Name, residence, and title.	No.	Date.	Official Gazette.	
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Padgett & White, Baltimore, Md. "Athenaeum Club." (For Whisky).....	11,031	May 24	110	1165
Park & Tilford, New York, N. Y. "Flor de Astor." (For Cigars).....	10,833	Mar. 15	109	803
Patterson & Co., Philadelphia, Pa. "Rings Old Extra Rye Whisky No. 6." (For Whisky).....	11,297	Aug. 9	111	1621
Patterson-Sargent Company, Cleveland, Ohio. "China-Lac." (For Painters' Supplies).....	11,142	June 14	110	2 11
Paul Brothers, Philadelphia, Pa. "P. B. Shoe Superior Quality Style." (For Shoes).....	10,841	Mar. 22	109	1065
Paulson, W. H., Richmond, Mo. "W. H. P." (For Cigars).....	11,136	June 14	110	2011
Payne Drug Co., Fairbury, Ill. "Paynes Healing Powder." (For Healing Powder).....	11,274	July 25	111	1033
Payne, George H., Omaha, Nebr. "Payne's Alfalfa Molasses Feed." (For Alfalfa Molasses Feed).....	11,309	Aug. 16	111	1933
Pearson, Albert M., Cleveland, Ohio. "Smoker's Tooth Paste." (For Tooth-Preserving Compound).....	11,425	Sept. 27	112	951
Pearson, Albert M., Cleveland, Ohio. "Smoker's Tooth Powder." (For Tooth-Preserving Compound).....	11,426	Sept. 27	112	951
Pearson, Albert M., Cleveland, Ohio. "Smoker's Tooth Wash." (For Tooth-Preserving Compound).....	11,427	Sept. 27	112	951
Pearson, Albert M., Cleveland, Ohio. "Smoker's Tooth Soap." (For Tooth-Preserving Compound).....	11,428	Sept. 27	112	951
Pearson, Frederic A., Boston, Mass. "Pearson's Wonderful Spavin Cure." (For Spavin Cure).....	11,458	Oct. 4	112	1209
Pederson Mercantile Co., Moorhead, Minn. "Sunrays Baltimore Rye." (For Rye Whisky).....	11,626	Nov. 29	113	1413
Pelham and Foster, St. Louis, Mo. "Sweet Peggy." (For Crystallized Popcorn).....	11,036	May 3	110	303
Pennsylvania Cement Company, Bath, Pa., and New York, N. Y. "Portland Pennsylvania Cement." (For Portland Cement).....	10,676	Jan. 12	108	557
Peter, D., Vevey, Switzerland. "Peter's The Original Milk-Chocolate." (For Milk Chocolate).....	10,955	Apr. 12	109	1883
Peter, D., Vevey, Switzerland. "Peter's The Original Milk-Chocolate." (For Milk Chocolate).....	10,956	Apr. 12	109	1883
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Diamond Star Rye Whisky." (For Whisky).....	11,627	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Ruxmore Pure Rye—Maryland's Pride." (For Whisky).....	11,628	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Baltimore's Pride—Pure Rye." (For Whisky).....	11,629	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "O. B. Nelson Sour Mash Whisky." (For Whisky).....	11,630	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Red Fox Rye Whisky." (For Whisky).....	11,631	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Suwanee Pure Rye Whisky." (For Whisky).....	11,632	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Cognac de Charente." (For Cognac).....	11,633	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Genuine Holland Tip Top Gin." (For Gin).....	11,634	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Montrose." (For Wine).....	11,635	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Premium Getreide-Kümmel." (For Kümmel).....	11,636	Nov. 29	113	1413
Peter Mueller Wine & Liquor Company, Chicago, Ill. "Royal Crown Stomach Bitters." (For Bitters).....	11,637	Nov. 29	113	1413
Peters, Augustus D., Toledo, Ohio. "Peter's Face Hardener." (For a Toilet Preparation).....	10,885	Mar. 22	109	1056
Peterson & Company, M. F., Chicago, Ill. "Peterson's Bunion Relief." (For Bunion Remedies).....	11,319	Aug. 16	111	1933
Peterson, Louis M., New York, N. Y. "Eatsum Swedish Milk Wafer." (For Milk Wafers).....	11,747	Dec. 27	113	2501
Petty, George E., Memphis, Tenn. "Uncle Fuller's Tar Soap." (For Soap).....	11,481	Oct. 11	112	1475
Phillips Medical Co., Omaha, Nebr. "Phillips' Scalp Lotion." (For Scalp-Lotion).....	10,710	Feb. 2	108	1325
Phoenix Manufacturing & Supply Company, Wilmington, Del. "The Phoenix Whalebone Whip." (For Whips).....	11,151	June 14	110	2011
Pingel, Edeth F., Priest River, Idaho. "The Red Star Liniment." (For Liniment).....	11,506	Oct. 25	112	2089
Pittsburgh Dry Goods Co., Pittsburg, Pa. "Alpha." (For Hosiery).....	11,122	June 7	110	1716
Pixine Chemical Company, Troy, N. Y. "Pixine Veterinary Remedies." (For Veterinary Remedies).....	11,594	Nov. 15	113	845
Platt, G. Willard, Great Barrington, Mass. "Berkshire Tone." (For Beverages).....	11,155	June 21	110	2331
Poindexter, A. A., Columbus, Ga. "Poindexter's Tonic." (For Medicine).....	10,767	Feb. 23	106	2141
Popel & Giller, Warsaw, Ill. "Fruit Brandy." (For Fruit Brandy).....	11,656	Dec. 6	113	1701
Posada, Jose A., Havana, Cuba. "Newton." (For Cigars).....	10,501	Mar. 29	109	1333
Post, G. W., Washington, D. C. "The Sentry Box." (For Newspaper Articles).....	10,779	Mar. 1	109	273
Preservaline Manufacturing Company, New York, N. Y., and Chicago, Ill. "XXX Preservaline." (For a Preservative and Colorant).....	10,852	Mar. 22	109	1065
Preservaline Manufacturing Company, New York, N. Y. "Preservaline, a Perfect Preservative for All Kinds of Pure Food." (For a Preservative).....	11,337	Aug. 23	111	2217
Price Flavoring Extract Co., Chicago, Ill., and New York, N. Y. "Dr. Price's Jelly Sugar." (For a Dessert).....	11,363	Sept. 6	112	247
Price Flavoring Extract Co., Chicago, Ill., and New York, N. Y. "Dr. Price's Ice Cream Sugar." (For a Dessert).....	11,363	Sept. 6	112	247
Price, S. S., Chattanooga, Tenn. "Old Tennessee Club." (For Whisky).....	11,620	Nov. 29	113	1413
Prieto & Arguelles, Brooklyn, N. Y. "El Romano." (For Cigars).....	11,605	Nov. 22	113	1141
Puck Soap Company, Des Moines, Iowa. "Tea-Oil." (For Soap).....	11,326	Nov. 1	113	277
Quinn, Edward, Alexandria, Va. "Bluemont Whiskey." (For Whisky).....	11,370	Sept. 13	113	477
Quirin Brothers, Manchester, N. H. "Rosemont." (For Whisky).....	10,876	Mar. 8	109	547
R. L. Hall Soap Co., Detroit, Mich. "Hall's Benzine Soap." (For Soap).....	11,565	Nov. 8	113	545
Ragon, Dan S., Evansville, Ind. "Farmers Stock Food." (For Stock-Food).....	11,124	June 7	110	1716
Ragon, Dan S., Evansville, Ind. "Farmers Poultry Food." (For Poultry-Food).....	11,385	Sept. 13	112	497
Rahayel, Charles, New York, N. Y. "Bouquet Imperial au Fleur Parfum de L'Amour Imperial." (For Cologne).....	11,539	Nov. 1	113	277
Rahayel, Charles, New York, N. Y. "Assad Bey Karam Rose." (For Perfumery).....	11,236	July 5	111	297
Ralston Purina Co., St. Louis, Mo. "Purina Fankake Flour." (For Pancake-Flour).....	11,459	Oct. 4	112	1209
Ralston Purina Co., St. Louis, Mo. "Ralston Breakfast Food." (For Breakfast-Food).....	11,445	Oct. 4	112	1209
Ralston Purina Co., St. Louis, Mo. "Ralston Hominy Grits." (For Hominy).....	11,446	Oct. 4	112	1209
Ralston Purina Co., St. Louis, Mo. "Ralston Health Barley Food." (For Granular Barley Food Preparations).....	11,474	Oct. 11	112	1475
Ramsay, William J., Des Moines, Iowa. "Ramsay Mexican Sea Salt Shampoo Massages." (For Toilet Preparation).....	11,475	Oct. 11	112	1475
Rand Bros., Philadelphia, Pa. "Columbia." (For Shirt-Waists).....	10,662	Jan. 12	108	557
Randolph Box and Label Co., Chicago, Ill. "Carnation Bouquet." (For Toilet Water).....	11,282	Aug. 2	111	1361
Randolph Box and Label Co., Chicago, Ill. "Lilac Blossoms." (For Toilet Water).....	11,014	May 3	110	303
Raritan Mangle Co., New York, N. Y. "Red Feather." (For Incandescent Mantles).....	11,015	May 3	110	303
Rea, William D., Minneapolis, Minn. "Old Kentucky Bitters." (For Bitters).....	11,189	June 28	110	2507
Reason & Zengerie, Elgin, Ill. "I-Am-A." (For Cigars).....	11,128	June 7	110	1716
Rectucura Remedy Company, Cincinnati, Ohio. "The Rectucura Company." (For a Remedy).....	11,323	Aug. 23	111	2217
Regina Music Box Co., Rahway, N. J., and New York, N. Y. "Regina." (For Music-Boxes).....	11,317	Aug. 16	111	1933
Reichter, Frank C., Chicago, Ill. "Nigridine." (For Medicine).....	11,011	Apr. 26	109	2439
Reissmann, F., Westpoint, N. Y. "Reissmann's A. B. C. Rules." (For Rules).....	10,785	Mar. 1	109	273
Reissmann, F., Westpoint, N. Y. "Reissmann's Perfection Mitre Scale." (For Rules).....	10,968	Apr. 19	109	2167
Reith, Emma, Kansas City, Mo. "Cutl Balm." (For a Lotion).....	10,969	Apr. 19	109	2167
	10,925	Mar. 15	109	803

Alphabetical list of registrants of labels—Continued.

Name, residence, and title.	No.	Date.	Official Gazette.	
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Reliable Tea Company, Limited, Grand Rapids, Mich. "Parker House Coffee." (For Coffee) ..	10,651	Jan. 5	108	285
Renewed Life Company, Pittsburg, Pa. "Renewed Life Cure." (For Medicine) ..	10,652	May 17	110	845
Renn, W. J., New Albany, Ind. "The Great American Blood and Nerve Tonic." (For Medicine) ..	11,160	June 21	110	2331
Reynolds, Mattie B., Louisville, Ky. "Aunt Rhody's Liniment." (For Liniment) ..	10,776	Feb. 23	108	2141
Reynolds, W. M., New York, N. Y. "Dr. Pancoast's Liverette Pellets Prevent Appendicitis." (For Medicine) ..	11,560	Nov. 8	113	545
Rhinol Chemical Co., Wilmington, Del., and Asbury Park, N. J. "Rhinol Cream." (For a Chemical Ointment) ..	11,250	July 12	111	577
Richardson, Will S., Marietta, Ohio. "Richardson's Tolu-Pine." (For Medicine) ..	10,944	Apr. 12	109	1883
Rida, Walter A., New Haven, Conn. "Best of All." (For Flavoring Extracts) ..	11,088	May 24	110	1165
Rippen, Herman, Perth Amboy, N. J. "Kuzri." (For Cigarettes) ..	11,558	Nov. 8	113	545
Rivers, Julian H., St. Louis, Mo. "Voll's Lebens Essenz." (For Medicine) ..	11,589	Nov. 15	113	845
Roberts, Edgar, East St. Louis, Ill. "Salax." (For Mineral Water) ..	10,685	Jan. 19	108	733
Roberts, Edgar, East St. Louis, Ill. "Oil of Radium." (For Medicine) ..	11,353	Aug. 30	111	2487
Robinson, Frank W., McLeansboro, Ill. "Concentrated Sprayine." (For Medicine) ..	11,079	May 24	110	1165
Rochester Nonrust Tinware Co., Rochester, N. Y. "Non Rustin." (For Sheet-Metal Ware) ..	10,818	Mar. 8	109	547
Rockdale Powder Co., York, Pa. "Japanese." (For Explosives) ..	11,751	Dec. 27	113	2505
Rocky Mountain Sage Tonic Co., Denver, Colo. "Sage-In Mountain Sage Tonic." (For Medicine) ..	11,370	July 26	111	1033
Rogers, Amos, Ottawa, Canada. "Fruitatives." (For Liver-Tablets) ..	11,281	Aug. 2	111	1361
Rohrbach, J. H., Brooklyn, N. Y. "Scalpine." (For a Hair-Tonic) ..	11,084	May 24	110	1165
Ronaldson & Co., E. A., New York, N. Y. "Mercury Quick Drying Stamp Pad for Ink." (For Rubber Stamps) ..	11,549	Nov. 1	113	277
Rosen, Isaac, New York, N. Y. "Rosen's Best." (For Table Salt) ..	10,747	Feb. 16	108	1867
Rosenberg & Son, Adolph, Chicago, Ill. "The Highland Brand." (For Caps for Boys and Girls) ..	11,193	June 14	110	2011
Roulier, Jacques P., Boston, Mass. "Trésor de la Santé, Pour les Femmes Pales et Faibles." (For Medical Compound for Women) ..	11,561	Nov. 8	113	545
Rowe, Kenneth P., New York, N. Y. "Reliance Fireproofing Compound." (For Fireproofing Chemical Compound) ..	11,360	Sept. 6	112	247
Royal Queen Remedy Company, Binghamton, N. Y. "Pratt's Root and Plant Stomach Cure." (For Medicine) ..	11,683	Dec. 13	113	1965
Royal Queen Remedy Company, Binghamton, N. Y. "Pratt's La Grippe Tonic." (For Medicine) ..	11,684	Dec. 13	113	1965
Royale Chemical Co., Massillon, Ohio. "Royale." (For Massage-Cream) ..	10,736	Feb. 9	108	1585
Royale Chemical Co., Massillon, Ohio. "Vividermin." (For Cosmetics) ..	10,737	Feb. 9	108	1585
Royale Chemical Co., Massillon, Ohio. "Hair Health." (For Shampoo) ..	10,738	Feb. 9	108	1585
Royale Chemical Co., Massillon, Ohio. "Herpikill." (For Dandruff Cure) ..	10,739	Feb. 9	108	1585
Runkel Brothers, New York, N. Y. "Red Ribbon Cocoa." (For Cocoa) ..	10,748	Feb. 16	108	1867
Runkel Brothers, New York, N. Y. "Crème de Milk Chocolate." (For Chocolate) ..	11,659	Dec. 6	113	1701
S. S. Pierce Co., Boston, Mass. "Swadown Prepared Table Salt." (For Table-Salt) ..	11,660	Dec. 6	113	1701
Saake, Albert L., Brooklyn, N. Y. "Maltinaite." (For Beverages) ..	10,997	Apr. 26	109	2439
Sanitary Chemical Company, Allegheny, Pa. "Hermes Balm." (For Medicine) ..	11,411	Sept. 20	112	725
Sanitary Chemical Company, Allegheny, Pa. "Radium Polish." (For Cleaning and Polishing Compound) ..	11,417	Sept. 20	112	725
Sayer & Co., George, Cognac, France. "American Club Brandy." (For Cognac) ..	10,983	Mar. 22	109	1065
Scarnell, A. E., San Francisco, Cal. "Paraiso Mineral Water." (For Mineral Water) ..	10,995	Apr. 26	109	2439
Schallinger, Carl, Hutchinson, Minn. "Premium Brand." (For Butter) ..	10,958	Mar. 22	109	1065
Schallinger, Carl, Hutchinson, Minn. "Premium Brand." (For Butter) ..	10,959	Mar. 22	109	1065
Schallinger, Carl, Hutchinson, Minn. "Premium Brand." (For Butter) ..	10,860	Mar. 22	109	1065
Schellert, Otto, Indianapolis, Ind. "Mother's Mush." (For Mush) ..	11,196	Feb. 2	113	231
Schlegel, George, New York, N. Y. "Dolina." (For Cigars) ..	11,203	July 5	111	297
Schloss, Jos. W., New York, N. Y. "Curvette Skirt Braid." (For Skirt-Braid) ..	11,647	Nov. 29	113	1413
Schmeltzer Bros., Pottsville, Pa. "Aromatic Ginger Ale." (For Ginger-Ale) ..	11,286	Aug. 2	111	1361
Schmidt, August J., New York, N. Y. "The Merchant Prince." (For Cigars) ..	10,827	Mar. 15	109	807
Schmidt & Co., New York, N. Y. "Jackfull." (For Cigars) ..	10,804	Mar. 8	109	547
Schmidt & Co., New York, N. Y. "Factory Bunch." (For Cigars) ..	10,805	Mar. 8	109	547
Schmidt & Co., New York, N. Y. "Prosperity." (For Cigars) ..	10,806	Mar. 8	109	547
Schmidt & Co., New York, N. Y. "Hot Cake." (For Cigars) ..	10,807	Mar. 8	109	547
Schmidt & Co., New York, N. Y. "Prairie Blossom." (For Cigars) ..	10,868	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "La Fama Cubana De Tabacos." (For Cigars) ..	10,869	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Race King." (For Cigars) ..	10,870	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Vista Hermosa." (For Cigars) ..	10,871	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Gold Share." (For Cigars) ..	10,872	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Country Trade." (For Cigars) ..	10,873	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Dividend Payer." (For Cigars) ..	10,874	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Sail and Sail." (For Cigars) ..	10,875	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Plains Monarch." (For Cigars) ..	10,876	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Startwell." (For Cigars) ..	10,877	Mar. 22	109	1065
Schmidt & Co., New York, N. Y. "Cuban Gold." (For Cigars) ..	10,898	Mar. 29	109	1333
Schmidt & Co., New York, N. Y. "Graino." (For Cigars) ..	10,900	Mar. 29	109	1333
Schmidt & Co., New York, N. Y. "Stock Cigar." (For Cigars) ..	10,953	Apr. 12	109	1883
Schmidt & Co., New York, N. Y. "Grand Opera." (For Cigars) ..	11,177	June 28	110	2507
Schmidt & Co., New York, N. Y. "Flor de Alfalfa." (For Cigars) ..	11,381	Sept. 13	112	497
Schmidt & Co., New York, N. Y. "Los Preferos." (For Cigars) ..	11,405	Sept. 20	112	725
Schmidt & Co., New York, N. Y. "Las Coronas Havana." (For Cigars) ..	11,406	Sept. 20	112	725
Schmidt & Co., New York, N. Y. "Clarice." (For Cigars) ..	11,554	Sept. 20	112	725
Schmidt & Co., New York, N. Y. "Corona de Perlas." (For Cigars) ..	11,408	Sept. 20	112	725
Schmidt & Co., New York, N. Y. "Elite." (For Cigars) ..	11,423	Sept. 27	112	951
Schmidt & Co., New York, N. Y. "La Marvita." (For Cigars) ..	11,552	Nov. 8	113	545
Schmidt & Co., New York, N. Y. "First Clip." (For Cigars) ..	11,553	Nov. 8	113	545
Schmidt & Co., New York, N. Y. "Veronica." (For Cigars) ..	11,554	Nov. 8	113	545
Schmidt & Co., New York, N. Y. "The Pit." (For Cigars) ..	11,555	Nov. 8	113	545
Schmidt & Co., New York, N. Y. "Great Tip Cigars." (For Cigars) ..	11,556	Nov. 8	113	545
Schmidt & Co., New York, N. Y. "White Band." (For Cigars) ..	11,623	Nov. 29	113	1413
Schmidt & Co., New York, N. Y. "Mark of Honor." (For Cigars) ..	11,692	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Merry Christmas Happy New Year." (For Cigars) ..	11,693	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Queen Chic." (For Cigars) ..	11,694	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Cuban Tag." (For Cigars) ..	11,695	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "The Goods." (For Cigars) ..	11,696	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Union Mark." (For Cigars) ..	11,697	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Gold Prize." (For Cigars) ..	11,698	Dec. 20	113	2211
Schmidt & Co., New York, N. Y. "Flor de Tampa." (For Cigars) ..	11,699	Dec. 20	113	2211
Schultz, Victor E., Detroit, Mich. "Schratz's Oriental Bath Powder." (For Bath-Powder) ..	11,324	Aug. 23	111	1211
Schultz, Carl H., New York, N. Y. "Carbonic." (For Distilled Water) ..	11,590	Oct. 25	112	2089
Schultz, Carl H., New York, N. Y. "Selters." (For Mineral Water) ..	11,591	Oct. 25	112	2089
Schultz, Carl H., New York, N. Y. "Artificial Vichy." (For Vichy) ..	11,511	Oct. 25	112	2089
Schultz, Carl H., New York, N. Y. "Lemon Soda." (For Lemon Soda) ..	11,580	Nov. 15	113	845

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Schultz, Carl H., New York, N. Y. "Sarsaparilla." (For Sarsaparilla).....	11,581	Nov. 15	113	845
Schultz, Carl H., New York, N. Y. "Ginger Ale." (For Ginger Ale).....	11,582	Nov. 15	113	845
Schwartz, John, New York, N. Y. "Carpatate Salve." (For Salve).....	11,714	Dec. 20	113	2211
Schwarz, Phil, Gainesville, Tex. "Forest Comfort." (For Whisky).....	11,512	Oct. 25	112	2089
Scotch Embrocation Co., Pasadena, Cal. "Welsh's Embro." (For a Liniment).....	10,826	Mar. 15	109	803
Scott & Co., Solomon, New York, N. Y. "Duke of New York." (For Overcoats).....	11,361	Sept. 6	112	247
Scott Paper Co., Philadelphia, Pa. "Zatan." (For Toilet-Paper).....	10,911	Apr. 6	109	1603
Scott Paper Co., Philadelphia, Pa. "Tuffber." (For Toilet-Paper).....	10,942	Apr. 12	109	1883
Scott Paper Co., Philadelphia, Pa. "Hytone." (For Toilet-Paper).....	11,373	Sept. 13	112	497
Scott Paper Co., Philadelphia, Pa. "Quickset." (For Toilet-Paper).....	11,374	Sept. 13	112	497
Scott Paper Co., Philadelphia, Pa. "Relegud." (For Toilet-Paper).....	11,375	Sept. 13	112	497
Scott Paper Co., Philadelphia, Pa. "Arbest." (For Toilet-Paper).....	11,399	Sept. 20	112	725
Scott Paper Co., Philadelphia, Pa. "Foru." (For Toilet-Paper).....	11,400	Sept. 20	112	725
Scott Paper Co., Philadelphia, Pa. "Scopaco." (For Toilet-Paper).....	11,401	Sept. 20	112	725
Scott Paper Co., Philadelphia, Pa. "Mustave." (For Toilet-Paper).....	11,402	Sept. 20	112	725
Scott Paper Co., Philadelphia, Pa. "Selz." (For Toilet-Paper).....	11,403	Sept. 20	112	725
Seaborg Packing Co., Skamakawa, Wash. "Seaborg's Royal Chinook." (For Salmon).....	11,447	Oct. 4	112	1209
Seary, William N., Philadelphia, Pa. "Kennethworth Flea Killer." (For a Preparation for Clean- ing Animals).....	10,660	Jan. 5	108	285
Seville Packing Co., New York, N. Y. "Gold Medal Brand." (For Olives).....	10,647	Jan. 5	108	285
Shaw, Charles W., Baltimore, Md. "Curatum." (For Salve).....	11,499	Oct. 18	112	1745
Shaw, W. Barrett, Cleveland, Ohio. "Antiseptierine." (For Antiseptic Preparations).....	11,416	Sept. 20	112	725
Sheffield & Co., T. A., New York, N. Y. "Sheffield's Blue Band Coffee." (For Coffee).....	11,485	Oct. 18	112	1745
Sheffield & Co., T. A., New York, N. Y. "Sheffield's Gold Band Coffee." (For Coffee).....	11,486	Oct. 18	112	1745
Sheffield & Co., T. A., New York, N. Y. "Sheffield's Old Homestead Java and Mocha Coffee." (For Coffee).....	11,487	Oct. 18	112	1745
Sheffield & Co., T. A., New York, N. Y. "Sheffield's Red Lion Tavern Coffee." (For Coffee).....	11,521	Nov. 1	113	277
Shepard, A. Agnes, Orange, N. J. "The Shepard Singmore Music Card." (For Music-Cards).....	11,661	Dec. 6	113	1701
Shepard, A. Agnes, Orange, N. J. "The Shepard Singmore Music Dominoes." (For Music-Dom- inoes).....	11,662	Dec. 6	113	1701
Shoemaker, W. L., Akron, Ohio. "Day's Violet Enamel." (For a Lotion).....	10,775	Feb. 23	108	2141
Short, Joseph H., Hudson, Mass. "St. Anthony Salve." (For Salve).....	11,455	Oct. 4	112	1209
Skin Clear Complexion Co., Chicago, Ill. "Skin Klear." (For Cosmetics).....	11,296	Aug. 9	111	1621
Slater Manufacturing Company, Ironton, Ohio. "Slater's Lemon Lotion." (For Toilet Prepa- ration).....	10,813	Mar. 8	109	547
Sloat, George V., Jr., Southampton, N. Y. "Sloat's Distemper Cure." (For Medicine).....	10,888	Mar. 22	109	1066
Smith, Conrad G., Cumberland, Md. "Smith's Tender Joint Shoe." (For Shoes).....	10,820	Mar. 15	109	803
Smith, G. Clinton, Syracuse, N. Y. "Hermits Friend Rheumatic Remedy." (For Medicine).....	10,917	Apr. 5	109	1603
Smith, George W., Westchester, N. Y. "Marguerite Cream Lotion." (For an Emollient Prepa- ration).....	11,718	Dec. 20	113	2211
Smith Manure Spreader Co., Chicago, Ill. "The Smith Manure Spreader." (For Manure- Spreader).....	11,727	Dec. 20	113	2211
Smoth, H. B., Hopkinton, Ky. "Smoth's Cold Cream." (For Cold Cream).....	11,086	May 24	110	1165
Robert Up Chem'Co., Dennison, Ohio. "Sober Up." (For Cure for Alcoholism).....	11,573	Nov. 8	113	545
Société Oléicole de Sfax, Marseilles, France. "Huile D'Olive." (For Olive-Oil).....	11,704	Dec. 20	113	2211
Soehner, August, Milwaukee, Wis. "The International Hygienic Mattress." (For Mattresses).....	11,132	June 7	110	1716
Sommer, Adolph, Cambridge, Mass. "Artgum." (For Cleaning-Eraser).....	11,726	Dec. 20	113	2211
Sommer, H., Quakertown, Pa. "Royal Fruit." (For Cigars).....	11,246	July 18	111	577
Sommer, H., Quakertown, Pa. "Dorothy Dix." (For Cigars).....	11,275	July 26	111	1038
Sommers, H., Quakertown, Pa. "La Fabrega." (For Cigars).....	11,410	Sept. 20	112	725
Sonnatg, Charles H., Tacoma, Wash. "Toke Point Perfecto." (For Cigars).....	10,808	Mar. 8	109	547
Southern Spring Bed Co., Atlanta, Ga. "Red Cross." (For Mattresses).....	11,671	Dec. 6	113	1701
Speidel, C., Rock Island, Ill. "Anti-Tubercle." (For Medicine).....	11,454	Oct. 4	112	1209
Sperry & Hutchinson Co., New York, N. Y. "Green Trading Stamp Brand for Groceries." (For Groceries).....	10,853	Mar. 22	109	1065
Spiron, Peter D., Chicago, Ill. "Spironzyme or Lactic Caseose." (For Milk Food).....	11,352	Aug. 30	111	2487
St. Louis Soap Co., St. Louis, Mo. "The St. Louis Borax Soap Chips." (For Soap).....	11,116	May 31	110	1425
Staak, Frank, Jr., Carroll, Iowa. "Staak's Sweet Cocoa Chocolates." (For Candy).....	10,905	Mar. 29	109	1333
Stadeker, L. J., Chicago, Ill. "Captain Jinks." (For Cigars).....	11,204	July 5	111	297
Starkwather, Oakley B., Grand Rapids, Mich. "Starkwather's Dreamland Interlined Pillow." (For Pillows).....	11,266	July 19	111	803
Stastny, Wacław, Chicago, Ill. "Nervator Bitters." (For Bitters).....	11,090	May 24	110	1165
Stastny, Wacław, Chicago, Ill. "Greenland Pennsylvania High Grade Rye Whiskey." (For Whisky).....	11,091	May 24	110	1165
Stecker, Frederick W., Cleveland, Ohio. "Pompeian Massage Soap." (For Soap).....	11,017	May 3	110	303
Stecker, Frederick W., Cleveland, Ohio. "Pompeian Massage Soap." (For Soap).....	11,018	May 3	110	303
Stecker, Frederick W., Cleveland, Ohio. "Pompeian Massage Cream and Skin Food." (For Massage-Cream and Skin-Food).....	11,019	May 3	110	303
Steele, William K., Chicago, Ill. "St. Denis." (For Cigars).....	11,729	Dec. 27	113	2501
Steelman and Archer, Philadelphia, Pa. "Griscom's Bone Marrow Liniment." (For Medical Compound).....	11,544	Nov. 1	113	277
Steever, William M., New York, N. Y. "Galvin's Cough Syrup." (For Cough-Syrup).....	10,774	Feb. 23	108	2141
Stern & Co., Louis, Chicago, Ill. "Bedford Charcoal Old Rye Whiskey." (For Whisky).....	10,730	Feb. 9	108	1585
Stolz Bros., St. Louis, Mo. "The Pike Whiskey." (For Whisky).....	11,228	July 18	111	577
Stonebraker & Co., Jos. R., Baltimore, Md. "Tarpon Maryland Rye Whiskey." (For Whisky).....	10,954	Apr. 12	109	1883
Stonebraker & Co., Jos. R., Baltimore, Md. "Setter." (For Whisky).....	10,977	Apr. 19	109	2167
Stott, David, Detroit, Mich. "Crusader." (For Wheat-Flour).....	11,569	Nov. 8	113	545
Stovall, A. J., Sour Lake, Tex. "Salitoguin." (For Medicine).....	11,452	Oct. 4	112	1209
Strasburger, Morton H., Baltimore, Md. "Shine-O." (For Metal-Polish).....	11,750	Dec. 27	113	2501
Stricker & Co., Henry H., Baltimore, Md. "Stricker's Paste." (For Paste).....	10,927	Apr. 5	109	1603
Stutz, Emil, Columbus, Ohio. "San Souci, The Leader." (For Cigars).....	11,625	Nov. 29	113	1413
Suffolk Chemical Co., Boston, Mass. "The Lightning Fire Extinguisher." (For Fire-Exting- uishers).....	10,840	Mar. 15	109	803
Sugar Soap Company, Decatur, Ill. "Sugar Soap." (For Soap).....	11,398	Sept. 20	112	725
Sunbury Co-operative Creamery Co., Sunbury, Ohio. "The Famous Sunbury Creamery But- ter." (For Butter).....	10,974	Apr. 19	109	2167
Sunbury Co-operative Creamery Company, Sunbury, Ohio. "The Famous Sunbury Creamery Butter." (For Butter).....	11,163	June 21	110	2331
Surcliffe, Edward B., Halifax, Canada. "Domincia." (For Lime-Fruit Juices).....	11,398	Aug. 9	111	1621
Szymanski, John, Milwaukee, Wis. "Kosciuszko." (For Cigars).....	10,921	Apr. 5	109	1603
T. A. Snider Preserve Co., Cincinnati, Ohio. "Snider's Pork and Beans." (For Pork and Beans).....	11,597	Nov. 15	113	845
Tanby, Jean, New York, N. Y. "Batnette for Lawn or Parlor." (For a Game).....	11,617	Nov. 22	113	1141
Tanby, Jean, New York, N. Y. "Batnette, The Newest Game." (For a Game).....	11,618	Nov. 22	113	1141
Tarrant & Co., T. D., St. Louis, Mo. "Burnt and Painted Work." (For Leather Hides for Mak- ing Pillows and Banners).....	11,664	Dec. 6	113	1701
Tarrant & Co., T. D., St. Louis, Mo. "Novelty Bags." (For Hand-Bags).....	11,665	Dec. 6	113	1701

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Taylor, Wendell & Co., New York, N. Y. "Poppies." (For Bleached Cotton Goods).....	11,670	Dec. 6	113	1701
Terre Haute Brewing Co., Terre Haute, Ind. "Champagne Velvet." (For Bottled Beer).....	11,638	Nov. 29	113	1413
Terwilliger, Harry J., Lakewood, N. J. "Sevate." (For Medicine).....	11,543	Nov. 1	113	277
Thomas & Gilmore, St. Paul, Minn. "Bromo Ferrum Compound." (For Medicine).....	11,641	Nov. 29	113	1413
Thomas & Smith, St. Paul, Minn. "Dr. Gregg's Syrup of Roots and Herbs." (For Medicine).....	11,391	Sept. 13	113	497
Thomas, William H., Lagrange, Mo. "Wyaconda Mineral Springs." (For Mineral Water).....	10,800	Mar. 8	109	547
Thomas, Wm. H., Lagrange, Mo. "The La Grange." (For Mineral Water).....	10,978	Apr. 19	109	2167
Thomassin Bros. & Co., Weehawken, N. J. "Real Egg Shampoo." (For Shampoo).....	11,087	May 24	110	1165
Thurston, Frank W., Chicago, Ill. "Thurston's Synthetic Shellac." (For Shellac Varnish).....	11,548	Nov. 13	113	277
Ticknor, George, St. Paul, Minn. "Ticknor's Magic Capsules." (For Medicine).....	11,271	July 26	111	1033
Tilston, Henry M., Chicago, Ill. "Yan-Kee." (For Eye-Shades).....	11,646	Nov. 29	113	1413
Tillinghast, S. E., Atlanta, Ga. "Rejuvenator Medicine Co." (For Medical Preparations).....	11,703	Jan. 26	108	1047
Tip Top Ketchup Co., Cincinnati, Ohio. "Sunny Side Pork and Beans." (For Fork and Beans).....	11,607	Nov. 22	113	1141
Togo Wine Co., Chicago, Ill. "Togo Tonic." (For Medicine).....	11,682	Dec. 13	113	1865
Toledo Biscuit Company, Toledo, Mo. "Buckeye." (For Crackers).....	10,681	Jan. 19	108	793
Toledo Biscuit Company, Toledo, Ohio. "Toledo Flakes." (For Flakes).....	10,682	Jan. 19	108	793
Tolson, John M., Chestertown, Md. "Pepsimint." (For Medicine).....	11,316	Aug. 16	111	1933
Tower, Charles M., Battletcreek, Mich. "Tower's Genuine Original Cancer and Scrofula Syrup." (For Medicine).....	10,735	Feb. 9	108	1585
Towle Syrup Company, St. Paul, Minn. "Towle's Preferred Stock Sugar Syrup." (For Table-Syrup).....	11,102	May 31	110	1425
Towle Syrup Company, St. Paul, Minn. "Towle's Frickshun Top Syrup." (For Table-Syrup).....	11,103	May 31	110	1425
Towles, Walter A., Jr., New York, N. Y. "Carters Lettuce Headache Powders." (For Headache-Powders).....	11,314	Aug. 16	111	1933
Tracy, Packard & Huntoon, New York, N. Y. "Café Extra." (For Coffee).....	11,488	Oct. 15	112	1475
Trickard & Hulton, New York, N. Y. "Golden Spice." (For Spices).....	11,489	Oct. 15	112	1475
Treitz, John, Chicago, Ill. "Treitz's Echtes Land-Brot." (For Bread).....	11,595	Nov. 15	113	845
Tromper, H. G., Louisville, Ky. "Old Kaintuck." (For Cigars).....	10,687	Jan. 19	108	798
Tucker & Farnsworth, Grand Island, Nebr. "Ovaline." (For Toilet Preparation).....	11,056	May 17	110	855
Tully, James E., New York, N. Y. "Barton's Guaranteed Rheumatic Cure and Blood Purifier." (For Medicine).....	11,450	Oct. 4	112	1209
Turner, James, Philadelphia, Pa. "Turner's Brazilian Bitters." (For Medicine).....	11,508	Oct. 25	112	2059
Tuttle, Jason H., New York, N. Y. "Dove Headache Tablets." (For Headache-Tablets).....	11,257	July 19	111	803
Type Soap Co., Pierre, S. D., and Chicago, Ill. "Type Soap." (For Saponaceous Compounds).....	10,762	Feb. 16	108	1867
Ulrich & Co., J. E., Winneconne, Wis. "Acme Egg Preservative." (For Egg-Preservatives).....	11,038	May 3	110	803
Undeland, Andrew L., Omaha, Nebr. "Undona Hair Tonic." (For Hair-Tonic).....	11,363	July 19	111	803
Undeland, Andrew L., Omaha, Nebr. "Car-Dum Hair Restorer and Dandruff Cure." (For Hair-Tonic and Dandruff Cure).....	11,264	July 19	111	803
Union Bag & Paper Co., New York, N. Y. "Whalebone." (For Paper Bags).....	11,200	June 28	110	2507
Union Bag & Paper Co., New York, N. Y. "Gold Medal." (For Paper Bags).....	11,201	June 28	110	2507
Union Match Company, Duluth, Minn. "Linen." (For Matches).....	11,483	Oct. 11	112	1475
Union Metallic Cartridge Co., Bridgeport, Conn. "Arrow." (For Loaded Paper Shells).....	11,371	Sept. 13	112	497
Union Metallic Cartridge Co., Bridgeport, Conn. "Nitro Club." (For Loaded Paper Shells).....	11,372	Sept. 13	112	497
Union Wholesale Liquor Co., Chicago, Ill. "Casting Club Rye Whiskey." (For Whisky).....	11,305	Aug. 16	111	1933
United Brotherhood of Carpenters & Joiners of America, Indianapolis, Ind. "Union Made Wood Work." (For Woodwork).....	11,100	May 24	110	1165
United Brush Manufacturers, New York, N. Y. "Best Camel Hair Artists' Brushes." (For Artists' Brushes).....	11,173	June 21	110	2331
United Grocery Company, Jacksonville, Fla. "Our Cost Mark." (For Flour).....	11,099	May 24	110	1165
United Paper Co., Atlanta, Ga. "Elk." (For Oranges).....	10,664	Jan. 12	108	557
United States Condensed Milk Co., Deansboro, N. Y. "Wyoming Condensed Milk." (For Condensed Milk).....	10,835	Mar. 15	109	803
United States Condensed Milk Co., Deansboro, N. Y. "Purity Brand Condensed Milk." (For Condensed Milk).....	10,836	Mar. 15	109	803
United States Condensed Milk Co., Deansboro, N. Y. "Regal Brand Condensed Milk." (For Condensed Milk).....	10,975	Apr. 19	109	2167
United States Medical Dispensary, Washington, D. C., and New York, N. Y. "Pu-re-co Cream." (For Toilet Cream).....	11,479	Oct. 11	112	1475
United States Medical Dispensary, Washington, D. C., and New York, N. Y. "Pu-re-co Soap." (For Soap).....	11,480	Oct. 11	112	1475
United States Printing Co., Brooklyn, N. Y. "Amsterdam Brand Peas." (For Peas).....	11,217	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Amsterdam Brand Peaches." (For Peaches).....	11,218	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Edgewater Brand Peas." (For Peas).....	11,219	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Amsterdam Brand Peas." (For Peas).....	11,220	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Triplet Brand Tomatoes." (For Tomatoes).....	11,221	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Laughing Water Brand Tomatoes." (For Tomatoes).....	11,222	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Blue Mountain Brand Tomatoes." (For Tomatoes).....	11,223	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Irwin Brand Tomatoes." (For Tomatoes).....	11,224	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Jameson Brand Tomatoes." (For Tomatoes).....	11,225	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Wampum Brand Tomatoes." (For Tomatoes).....	11,226	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Empire Beauties Tomatoes." (For Tomatoes).....	11,227	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Daniels Brand Tomatoes." (For Tomatoes).....	11,228	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Amsterdam Brand Corn." (For Corn).....	11,229	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Edgewater Brand Corn." (For Corn).....	11,230	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Triplet Brand Corn." (For Corn).....	11,231	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Empire Beauties Corn." (For Corn).....	11,232	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Jameson Brand Corn." (For Corn).....	11,233	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Irwin Brand Corn." (For Corn).....	11,234	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Laughing Water Brand Corn." (For Corn).....	11,235	July 5	111	297
United States Printing Co., Brooklyn, N. Y. "Irwin Brand Peach Preserves." (For Peach Preserves).....	11,344	Aug. 30	111	2487
United States Printing Co., Brooklyn, N. Y. "Jamison Brand Raspberry Jam." (For Raspberry Jam).....	11,345	Aug. 30	111	2487
United States Printing Company, Brooklyn, N. Y. "Edgewater Brand Tomatoes." (For Tomatoes).....	11,161	June 21	110	2331
United States Printing Company, Brooklyn, N. Y. "Amsterdam Brand Tomatoes." (For Tomatoes).....	11,162	June 21	110	2331
Urie-Arthrin Mfg. Co., Peoria, Ill. "Urie Arthrin." (For Medicine).....	10,891	Mar. 29	109	1333
V. A. Collins Cigar Co., Marietta, Pa. "Our S & N Seal." (For Cigars).....	11,409	Sept. 20	112	723
Van Oran, John H. (See Munro and Van Oran).....				
Vandegrift, John S., Chestertown, Md. "Corn King." (For Corn Cure).....	11,715	Dec. 20	113	2211
Vandolah & Pullins, Kahoka, Mo. "Noxal Louse Killer." (For Insecticide).....	10,701	Jan. 26	108	287
Vaughan, Jas. C., Fayetteville, Ark. "Vaughan's Pink Cream." (For Medicine).....	10,656	Jan. 5	108	285
Vegecine Company, Omaha, Nebr. "Vegecine." (For a Powder).....	11,743	Dec. 27	113	2301

Alphabetical list of registrants of labels—Continued.

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Verch, Friderich K., Chicago, Ill. "Deutscher Aromatischer Feinster Gesundheits Liqueur." (For Liqueur).....	11,585	Nov. 15	113	845
Vermont Manufacturing Co., Providence, R. I. "Cocolat." (For Food Product).....	11,448	Oct. 4	112	1209
Victoria Toilet Co., Lancaster, Pa., and New York, N. Y. "The Ideal Deodorant." (For Antiseptic Deodorants).....	11,507	Oct. 25	112	2069
Virginia Lithia Springs Co., Inc., Richmond, Va. "Golden Crest Lithia Ginger Ale." (For Ginger-Ale).....	11,156	June 21	110	2331
Voegele and Dining Co., Omaha, Nebr. "Mazeppa Chocolates." (For Candy).....	11,728	Dec. 27	113	2081
Vogt-Applegate Co., Louisville, Ky. "Old Beechwood." (For Whisky).....	11,083	May 3	110	303
Wabash Baking Powder Co., Wabash, Ind. "Sponge Loaf." (For Baking-Powder).....	10,663	Jan. 12	108	557
Wabash Chemical & Baking Powder Co., Wabash, Ind. "Rising Star." (For Baking-Powder).....	11,329	Aug. 23	111	2217
Wagner's Sons, W. T., Cincinnati, Ohio. "Wagner's Lithiated Vichy." (For Artificial Mineral Water).....	10,686	Jan. 19	108	793
Wagner's Sons, W. T., Cincinnati, Ohio. "Wagner's Carbonated C. P. Sodium Phosphate." (For Artificial Mineral Water).....	10,720	Feb. 2	108	1325
Wagner's Sons, W. T., Cincinnati, Ohio. "Wagner's Carbonated C. P. Sodium Phosphate." (For Artificial Mineral Water).....	10,721	Feb. 2	108	1325
Walker, Frederick E., Westpark, Ohio. "Peerless Spring Water." (For Water).....	11,307	Aug. 16	111	1933
Wallick & Gohn, York, Pa. "Hand Made Havana Filter." (For Cigars).....	11,424	Sept. 12	112	2089
Walter, John, Nyack, N. Y. "Hon. A. S. Tompkins Cigar." (For Cigars).....	11,461	Oct. 11	112	1475
Walters, Anna B., Johnstown, Pa. "Tryme-e." (For Washing-Powder).....	11,418	Sept. 20	112	725
Walther, W. L., Hoboken, N. J. "Wesson Clover Leaf Choice Butter Oil." (For Butter-Oil).....	11,746	Dec. 27	113	2201
Ward, Frederick T., Newark, N. J. "Just a Biscuit, That's all." (For Crackers or Biscuits).....	11,596	Nov. 15	113	845
Waring, George A., Newburgh, N. Y. "Storm King." (For Cigars).....	11,424	Sept. 12	112	2089
Warren's Sons, James D., Buffalo, N. Y. "Lafayette." (For Flour).....	10,926	Apr. 5	109	1603
Warren's Sons, James D., Buffalo, N. Y. "Capitol." (For Flour).....	11,188	June 28	110	2507
Washington C. H. Soap Co., Washington Court-House, Ohio. "Washington White Laundry Soap." (For Soap).....	11,119	May 31	110	1425
Waters, May, New York, N. Y. "M. Waters' Spanish Velveta, a Pure Skin Food." (For Toilet Cream).....	11,542	Nov. 1	113	277
Weatherly, William H., Anniston, Ala. "Dope, a Tonic for the Nerves." (For a Beverage).....	11,287	Aug. 2	111	1301
Weaver & Co., C. H., Chicago, Ill. "Weaver 'Quartettes.'" (For Butter).....	10,861	Mar. 22	109	1065
Weaver Conger Company, Grotton, N. Y. "Smoker's Teeth Powder." (For Tooth-Powder).....	10,824	Mar. 15	109	803
Wedderburn Company, John, Baltimore, Md. "Wedderburn Extra Dry Champagne." (For Champagne).....	11,350	Aug. 30	111	2457
Wedderburn, John, Baltimore, Md. "Wedderburn Rye." (For Rye Whisky).....	10,998	Apr. 26	109	2439
Weeks & Co., O. J., New York, N. Y. "Perfect Jelly Powder." (For Jelly Powder).....	10,637	Jan. 26	108	1047
Weinrebner, Karl, Frankfurt-on-the-Main, Germany. "Problin." (For Pills).....	10,778	Feb. 23	108	2141
Welle-Boettcher Bakery Co., St. Louis, Mo. "Buster Brown." (For Bread).....	11,395	Sept. 20	112	725
Weuneker Chemical Co., St. Louis, Mo. "Sun Flower Rock Candy Cough Syrup." (For Cough-Syrup).....	10,657	Jan. 5	108	285
Westchester Drug Co., Port Chester, N. Y. "Scalpia." (For Dandruff Cure).....	10,886	Mar. 22	109	1066
Western Display Company, St. Paul, Minn. "Western Display Co. Signs." (For Signs).....	11,293	Aug. 2	111	1361
Western Flour Mill Co., Davenport, Iowa. "Goldin." (For Flour).....	11,282	Aug. 2	111	1361
Western Flour Mill Co., Davenport, Iowa. "Prairie Chief." (For Flour).....	11,304	Aug. 16	111	1933
Weyhing, Bert T., Detroit, Mich. "Madame Roland's Parisienne Face Massage." (For Massage Preparations).....	11,020	May 3	110	303
Whitcher, Frank W., Boston, Mass. "Whitcher's Menders." (For Menders).....	10,723	Feb. 9	108	1585
Whitcher, Frank W., Boston, Mass. "Cinch Rubber Heels." (For Rubber Heels).....	11,299	July 26	111	1083
White & White Company, Grand Rapids, Mich. "White & White Co." (For Medicine).....	11,080	May 24	110	1165
White, William, Adamsville, R. I. "Dr. White's Specialty for Diphtheria." (For Medicine).....	11,000	Apr. 26	109	2439
White & Wyckoff Mfg. Co., Holyoke, Mass. "Autocrat Linen." (For Stationery).....	11,340	Aug. 30	111	2487
Whitehouse, Jennie, New York, N. Y. "Red Rose." (For Tea).....	10,903	Mar. 29	109	1333
Whiting Paper Company, New York, N. Y. "Organdie Glacé." (For Writing-Paper and Envelopes).....	11,545	Nov. 1	113	277
Willamette Valley Prune Association, Salem, Oreg. "Imperial Pheasant." (For Prunes).....	11,748	Dec. 27	113	2501
Williams, E. Ellsworth, New York, N. Y. "Rose Buds." (For Medicine).....	11,709	Dec. 20	113	2211
Williams, Fred A., Utica, N. Y. "Balm of Gilead." (For Ointment).....	10,987	Apr. 19	109	2167
Williams, Mary, Newport, R. I. "Rosin Skin Food." (For Skin-Food).....	11,610	Nov. 22	113	1141
Wilson Bros., Edgerton, Wis. "Vandella." (For Flavoring Preparations).....	11,328	Aug. 23	111	2217
Wilmanns, Adolf, Milwaukee, Wis. "Red and White." (For Beer).....	10,864	Mar. 22	109	1065
Wilmanns, Adolph, Milwaukee, Wis. "Schuster's Malt and Hop Tonic." (For Malt and Hop Tonics).....	10,904	Mar. 29	109	1333
Wilmanns, Adolph, Milwaukee, Wis. "Maltox." (For Malt and Hop Tonics).....	11,559	Nov. 8	113	545
Wilmanns, Adolph, Milwaukee, Wis. "Gold Top." (For Beer).....	11,578	Nov. 15	113	845
Wilson, George L., Detroit, Mich. "Sing-Ginseng." (For Tonics).....	11,640	Nov. 29	113	1413
Winter Chemical Company, New York, N. Y. "Dr. Winter's Antiseptic Pepsin Gum." (For Chewing-Gum).....	11,362	Sept. 6	112	247
Winzlerling, Oscar, New York, N. Y. "Mother's Rest." (For Salve).....	11,500	Oct. 18	112	1745
Wise, Harry C., Cincinnati, Ohio. "Evelene." (For Eye Medicine).....	10,798	Feb. 23	108	2141
Wm. H. Horstmann Company, Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Baltimore, Md.; Detroit, Mich., and Paris and Lyons, France. "Triumph." (For Yarns).....	10,661	Jan. 12	108	557
Wolf & Co., A., Pittsburg, Pa. "Parsifal Rye." (For Whisky).....	10,766	Feb. 23	108	2141
Wood, James A., Providence, R. I. "Exotic Balm." (For Liniment).....	10,810	Mar. 8	109	547
Woodville White Lime Co., Woodville, Ohio. "White Enamel Finish." (For Finish for Wall-Plaster).....	11,069	May 17	110	855
Worrall, J. W., New York, N. Y. "Excelsior Trimmed, Steam Shaved Smoked Beef." (For Smoked Beef).....	11,150	June 14	110	2011
Wortman, Jeanne, St. Louis, Mo. "Clearine Washing and Cleaning Compound." (For Washing and Cleaning Compound).....	11,299	Aug. 9	111	1621
Wunschow, Otto B., Chattanooga, Tenn. "Dr. Von Hassen's French Germ Destroyer." (For Antiseptic).....	11,338	June 14	110	2011
Wygal, James P., Redondo, Cal. "Kentucky Liniment." (For Liniment).....	11,712	Dec. 20	113	2211
Wyman, Walter, Providence, R. I. "Egyptian Salve." (For Salve).....	10,988	Apr. 19	109	2167
Wyman, Walter, Providence, R. I. "Wyman's S-a-Vo Salve." (For Salve).....	11,193	June 28	110	2507
Wyzykowski, Mikolaj, Philadelphia, Pa. "Samaritanin." (For Liniment).....	11,339	Aug. 23	111	2217
Yerxa and Sons, F. R., Havana, Cuba, and St. Louis, Mo. "Cayo Bonito." (For Guava Products).....	11,096	May 24	110	1165
Young, W. F., Springfield, Mass. "Absorbine." (For a Veterinary Medicine).....	10,986	Apr. 19	109	2167
Zalnof, Gregori, New York, N. Y. "Czar's Rose Brand Tea." (For Tea).....	11,062	Nov. 17	110	855
Zipfel & Sons, B., Toledo, Ohio. "Favorite Seal." (For Cigars).....	11,492	Oct. 18	112	1745

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A. R. Coulson Co., Inc., Petaluma, Cal. "Phenolene." (For Insect-Destroyer).....	893	Jan. 19	108	793
Adam Scheidt Brewing Co., Norristown, Pa. "Lotz Export." (For Beer).....	1,129	Oct. 18	112	1745
Allegheny Card Co., Allegheny, Pa. "Base Ball Card Game." (For a Game).....	948	Apr. 5	109	1603
Alpine Chemical Co., San Francisco, Cal. "Bacritine." (For Medicine).....	945	Mar. 29	109	1833
American Lithograph Company, New York, N. Y. "Globe Starch." (For Starch).....	957	Apr. 12	109	1884
American Locomotive Equipment Company, Chicago, Ill. "Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves).....	1,123	Oct. 11	112	1475
American Locomotive Equipment Company, Chicago, Ill. "Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves).....	1,124	Oct. 11	112	1475
American Locomotive Equipment Company, Chicago, Ill. "Style 'D' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves).....	1,125	Oct. 11	112	1475
American Locomotive Equipment Company, Chicago, Ill. "Sarver Valve." (For Exhaust-Valves).....	1,126	Oct. 11	112	1475
American Locomotive Equipment Company, Chicago, Ill. "Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves).....	1,127	Oct. 11	112	1475
American Standard Steel Fitting Co., Milwaukee, Wis. "Homogeneous." (For Steel Fittings).....	1,051	Aug. 16	111	1933
American Street Flushing Machine Co., St. Louis, Mo. "American Street Flushing Machine Company." (For Machines).....	1,119	Oct. 4	112	1209
American Street Flushing Machine Co., St. Louis, Mo. "American Street Flushing Machine Company." (For Machines).....	1,120	Oct. 4	112	1209
American Waltham Watch Company, Waltham, Mass. "Waltham Watches." (For Watches).....	887	Jan. 26	108	1047
Anheuser-Busch Brewing Ass'n., St. Louis, Mo. "Budweiser Girl." (For Beer).....	1,145	Nov. 22	113	1141
Antikamnia Chemical Company, St. Louis, Mo. "It Didn't Hurt a Bit." (For Medicine).....	998	May 17	110	855
Apparel Cut Company, New York, N. Y. "Business Bringers." (For Men's Apparel).....	1,122	Oct. 11	112	1475
Armour Packing Co., Kansas City, Kans. "Gold Band Ham and Bacon." (For Ham and Bacon).....	911	Mar. 1	109	273
Athlaphoros Co., New Haven, Conn. "Athlaphoros." (For Medicine).....	913	Mar. 1	109	273
Athlaphoros Co., New Haven, Conn. "Athlaphoros." (For Medicine).....	937	Mar. 15	109	803
Atlas Hosiery Mills, Philadelphia, Pa. "Atlas Hosiery Mills." (For Hosiery).....	915	Mar. 8	109	547
Aurora Brewing Company, Aurora, Ill. "Aurora A. B. Co., Export Made from Choicest Malt and Hops." (For Bottled Beer).....	1,019	July 5	111	298
Ballgall, William R. A., Philadelphia, Pa. "Herbaine." (For Liniment).....	1,143	Nov. 15	113	845
Bon Ami Co., New York, N. Y. "Reuter's Soap. Get a Lily-and-Rose Complexion." (For Soap).....	1,194	Oct. 25	112	2089
Berrisford Candy Co., St. Paul, Minn. "The Candy Girl." (For Candy).....	888	Jan. 26	108	1047
Blimline & Co., E. L., New York, N. Y. "E. L. Blimline & Co.'s Clothing Productions for 1904-05." (For Clothing).....	1,101	Sept. 20	112	725
Bliton, Albert S., Medford, Mass. "The Land of Red and Yellow Apples." (For Apples).....	1,142	Nov. 15	113	845
Barclay & Co., New York, N. Y. "Reuter's Soap. Get a Lily-and-Rose Complexion." (For Soap).....	1,194	Oct. 25	112	2089
Bon Ami Company, Jersey City, N. J. "Hasn't Scratched Yet." (For Scouring-Soap).....	1,099	Sept. 20	112	725
Both, W. C., Chicago, Ill. "Apparel for 1904." (For Apparel).....	890	Feb. 2	108	1325
Both, W. C., Chicago, Ill. "Men's Apparel." (For Men's Apparel).....	994	Mar. 22	109	1066
Both, W. C., Chicago, Ill. "Men's & Boys' Attire for Fall & Winter 1904-05." (For Men's and Boys' Apparel).....	1,046	Aug. 16	111	1933
Both, W. C., Chicago, Ill. "Men's and Boys' Apparel." (For Men's and Boys' Apparel).....	1,118	Oct. 4	112	1309
Both, W. C., Chicago, Ill. "Men's Apparel." (For Men's Apparel).....	1,149	Nov. 22	113	1141
Brady Brass Company, Jersey City, N. J. "Cyprus Bronze Motor Bearings." (For Motor-Bearings).....	1,014	June 21	110	2331
Brinckle, Addington L., Philadelphia, Pa. "Noteless Piano Chart." (For Charts).....	1,009	June 7	110	1716
Brown, Charles J., Springfield, Ohio. "Politics." (For Card Game).....	1,023	July 12	111	577
Brown Shoe Co., St. Louis, Mo. "Blue Ribbon Shoes." (For Shoes).....	942	Mar. 29	109	1333
Brown Shoe Co., St. Louis, Mo. "Little Betty Blue." (For Shoes).....	1,053	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Polly Wants a Blue Ribbon Shoe." (For Shoes).....	1,054	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Jane and Buster." (For Shoes).....	1,055	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Now This Little Book is Through." (For Shoes).....	1,056	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Jack and Jill." (For Shoes).....	1,057	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Brown's Blue Ribbon Book." (For Shoes).....	1,058	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "An Awful Sight." (For Shoes).....	1,059	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "The House that Jack Built." (For Shoes).....	1,060	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "The Little Boy Blew." (For Shoes).....	1,061	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Bee Ware of the Bees." (For Shoes).....	1,062	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "What Kind of Shoes Does Billy Wear?" (For Shoes).....	1,063	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Where Are You Going, My Pretty Maid?" (For Shoes).....	1,064	Aug. 23	111	2217
Brown Shoe Co., St. Louis, Mo. "Little Tommy Tucker." (For Shoes).....	1,065	Aug. 23	111	2217
C. A. Edgerton Mfg. Co., Shirley, Mass. "Ball Bearing Garters." (For Garters).....	950	Apr. 12	109	1883
C. P. Moorman & Company, Louisville, Ky. "Old Cutter Whiskies." (For Whisky).....	992	May 10	110	597
Cahn, Wampold & Company, Chicago, Ill. "Men's Apparel." (For Men's Apparel).....	878	Jan. 12	108	557
Carleton & Hovey Company, Lowell, Mass. "Dr. Carleton's Dyspepsia Treatment and Dr. Carleton's Constipation Pills." (For Medicine).....	1,012	June 21	110	2331
Carlahan, J. Worth, Washington, D. C. "Regitonic Coupon." (For Medicine).....	1,105	Sept. 27	112	951
Carlahan, J. Worth, Washington, D. C. "Cu-rheu-ma Coupon." (For Medicine).....	1,106	Sept. 27	112	951
Carlahan, J. Worth, Washington, D. C. "Nervo-Laxi Coupon." (For Medicine).....	1,107	Sept. 27	112	951
Carlahan, J. Worth, Washington, D. C. "Herba-Vita Coupon." (For Medicine).....	1,108	Sept. 27	112	951
Carlahan, J. Worth, Washington, D. C. "Tom Thumb Cabinet." (For Medicine).....	1,110	Sept. 27	112	951
Carlahan, J. Worth, Washington, D. C. "The Tom Thumb Wedding." (For Medicine).....	1,110	Sept. 27	112	951
Caro & Company, New York, N. Y. "El Caro." (For Cigars).....	1,020	July 5	111	298
Carsikure Chemical Co., Connellsville, Pa. "Carsikure." (For Medicine).....	991	May 10	110	597
Cement Machinery Co., Jackson, Mich. "Nor-din." (For Cement Building-Blocks and Machinery for Making Same).....	1,090	Aug. 2	111	1961
Centaur Co., New York, N. Y. "Centaur." (For Medicine).....	954	Apr. 12	109	1884
Central Consumers Company, Louisville, Ky. "Fehr's Malt Tonic." (For Malt Tonic).....	1,018	July 5	111	298
Charles W. Shonk Company, Chicago, Ill. "Rapid Results." (For Signs).....	1,070	Aug. 23	111	2217
Chase, Rolla M., Bethel, Vt. "Porcelain Inlays Made by the Dr. R. M. Chase Impression and Matrix System." (For Dental Fillings).....	895	Feb. 9	108	1585

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Chattanooga Brewing Co., Chattanooga, Tenn. "The Beer to Which the South Points With Pride." (For Beer).....	984	Apr. 26	109	2439
Chesapeake Belting Company, Baltimore, Md. "Chesapeake." (For Canvas or Cotton Belting).....	1,047	Aug. 16	111	1983
Cincinnati, Dayton, and Toledo Traction Co., Cincinnati, Ohio. "C. D. & T." (For Electric Cars).....	932	Mar. 15	109	808
Citizens Wholesale Supply Co., Columbus, Ohio. "Golden Rule Hair Restorative." (For a Hair-Restorative).....	929	Mar. 15	109	808
Citizens' Wholesale Supply Co., Columbus, Ohio. "Is Your Hair Turning Gray." (For Hair-Restorative).....	1,017	July 5	111	298
Coca Cola Co., Atlanta, Ga. "Coca Cola." (For Beverages).....	1,024	July 12	111	577
Colgan Gum Company, Louisville, Ky. "Colgan's Taffy-Tolu Chewing Gum." (For Chewing-Gum).....	1,147	Nov. 22	113	1141
Cotzhausen, Alfred von, Milwaukee, Wis. "Blue Ribbon." (For Beer).....	1,104	Sept. 27	112	951
Cotzhausen, Alfred von, Milwaukee, Wis. "The Beer that Made Milwaukee Famous." (For Beer).....	1,115	Oct. 4	112	1209
Crichton, Alexander, Castleton, Ontario, Canada. "Grippura." (For Medicine).....	999	May 17	110	855
Crompton & Sons Litho. and Pig. Co., St. Louis, Mo. "Heptol Splits." (For Mineral Water).....	1,037	Aug. 2	111	1361
Cuniel, Herman, New York, N. Y. "Daintiness." (For Fruit Syrups and Extracts With and Without Ice-Cream Soda).....	877	Jan. 5	108	285
Cuts Co., New York, N. Y. "Better Newspaper Cuts." (For Newspaper-Cuts).....	1,163	Dec. 20	113	2211
Daggett & Ramsdell, New York, N. Y. "The Touch of Time." (For Cold-Cream).....	955	Apr. 12	109	1884
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler's Spring Fashions for 1904." (For Men's Apparel).....	886	Jan. 19	108	798
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler's Garments for Spring and Summer." (For Men's Apparel).....	894	Feb. 9	108	1585
David Adler & Sons Clothing Co., Milwaukee, Wis. "Overcoat Fashions for Spring." (For Men's Spring Apparel).....	910	Mar. 1	109	273
David Adler & Sons Clothing Co., Milwaukee, Wis. "An Adler Serge Suit." (For Men's Apparel).....	960	Apr. 19	109	2167
David Adler & Sons Clothing Co., Milwaukee, Wis. "An Adler Outing Suit." (For Men's Spring Apparel).....	995	May 17	110	855
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler Clothes for Fall and Winter." (For Men's Winter Apparel).....	1,031	July 26	111	1033
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler Fall Creations." (For Men's Apparel).....	1,056	Aug. 23	111	2217
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler Juvenile Clothes." (For Clothing).....	1,067	Aug. 23	111	2217
David Adler & Sons Clothing Co., Milwaukee, Wis. "Adler Full Dress Styles for Fall." (For Men's Winter Apparel).....	1,130	Oct. 18	112	1745
Dowl & Co., J. C., New York, N. Y. "Ste. Kleen." (For Tooth-Brushes).....	1,042	Aug. 9	111	1621
Downer, Hawes & Co., Bridgeport, Conn. "Spiral Spring Side Steels Will Not Break." (For Corsets).....	1,100	Sept. 20	112	725
Dufour, Corinne, Savannah, Ga. "Who? Who? or Political Mix Up." (For Games).....	1,071	Aug. 30	111	2487
Eisenkramer, Gustav, Boise, Idaho. "Gustav Eisenkramer's Grand Darklight Cleaning Fluid." (For Cleaning Fluid).....	1,002	May 24	110	1165
Eisenkramer, Gustav, Boise, Idaho. "Gustav Eisenkramer's Grand Darklight Cleaning Fluid." (For Cleaning Fluid).....	1,035	July 26	111	1033
Ely-Walker Dry Goods Company, St. Louis, Mo. "This is the Best' Topsy Hosiery." (For Hosiery).....	941	Mar. 29	109	1333
Emerson Drug Co., Baltimore, Md. "Bromo-Seitzer." (For Bromo-Seitzer).....	926	Mar. 15	109	808
Excelsior Steel Furnace Co., Chicago, Ill. "Single and Double Stack Heads and Boots." (For Stack Heads and Boots).....	1,026	July 12	111	577
Fairchild Bros. & Foster, New York, N. Y. "Fairchild Preparations." (For Medicinal Preparations).....	1,088	Sept. 13	112	497
Farrell & Co., Omaha, Neb. "Gold Medal Iowa Sorghum." (For Sorghum).....	1,034	July 26	111	1033
Federal Lithograph Company, New York, N. Y. "Neverslip." (For Horseshoe-Calks).....	1,121	Oct. 4	112	1209
Foy, John, Chicago, Ill. "Foy's Vest Pocket Foot Hook." (For Foot-Hooks).....	1,032	July 26	111	1033
Frank & Gutman, New York, N. Y. "Wizard Cuff Holder." (For Cuff-Holders).....	875	Jan. 5	108	285
Fulton, S. Q., Chicago, Ill. "Progress Wall Plaster." (For Wall-Plaster).....	1,158	Dec. 13	113	1965
Fulton, S. Q., Chicago, Ill. "Beaver Wall Plaster." (For Wall-Plaster).....	1,159	Dec. 13	113	1965
George Blome & Son Co., Baltimore, Md. "Stick Candy The Stick That Never Sticks." (For Stick-Candy).....	1,006	June 7	110	1716
Gerstendorfer Bros., New York, N. Y. "Sapolin' Stovepipe Enamel." (For Stovepipe-Enamel).....	1,080	Sept. 6	112	247
Gerstendorfer Bros., New York, N. Y. "Sapolin Stove-Pipe Enamel." (For Stovepipe-Enamel).....	1,114	Sept. 27	112	951
Gile, Ernest S., Boston, Mass. "Golden Fleece." (For Sheep-Leathers).....	1,113	Sept. 27	112	951
Gilman, Z. D., Washington, D. C. "Gilman's Outfit for the Cure of Milk Fever." (For Medical Apparatus).....	1,050	Aug. 16	111	1933
Girard Iron Works, Philadelphia, Pa. "Girard Iron Works, Philadelphia, Pa." (For Cask and Vat Supports).....	1,022	July 5	111	298
Gold Coin Stock Food Company, St. Paul, Minn. "Gold Coin Stock Foods." (For Stock-Food).....	1,081	Sept. 6	112	247
Goldman, Harry, St. Louis, Mo. "An Optical Illustration." (For Spectacles).....	1,027	July 19	111	808
Gray Litho. Co., New York, N. Y. "Arabian Chocolates." (For Candy).....	965	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Purity Italian Chocolates." (For Candy).....	966	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Society Chocolates." (For Candy).....	967	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Puritan Chocolates." (For Candy).....	968	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Purity Health Chocolates." (For Candy).....	969	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Purity Bon Bons and Chocolates." (For Candy).....	970	Apr. 19	109	2167
Gray Litho. Co., New York, N. Y. "Princess Chocolates." (For Candy).....	971	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "It Stands at the Head." (For Sewing-Machines).....	947	Mar. 29	109	1333
Gray Lithograph Co., New York, N. Y. "Arcadian Chocolates." (For Candy).....	972	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "Finest Chocolates." (For Candy).....	973	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "Duchess Chocolates." (For Candy).....	974	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "Princess Assortment Chocolates." (For Candy).....	975	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "Outing Assorted Fine Chocolates." (For Candy).....	976	Apr. 19	109	2168
Gray Lithograph Co., New York, N. Y. "Glycerine Tar Soap." (For Soap).....	1,049	Aug. 16	111	1623
H. E. Lisan Company, St. Louis, Mo. "Ah!" (For Champagne).....	1,001	May 24	110	1165
H. F. Sparrow Co., Cambridgeport, Mass. "Sparrow's Chocolates." (For Candy).....	1,146	Nov. 22	113	1141
H. H. Tammien Curio Company, Denver, Colo. "The Burro Souvenir Playing Cards." (For Playing-Cards).....	1,160	Dec. 20	113	2211
Hamburger Bros. & Co., Baltimore, Md. "Hamburger Bros. & Co.'s Clothing Productions for 1904-05." (For Clothing).....	1,074	Aug. 30	111	2487
Harris & Bro., Robert, Reidsville, N. C. "Pride of Reidsville." (For Smoking-Tobacco).....	925	Mar. 15	109	808
Harris, Mark G., Chicago, Ill. "The Mark G. Harris Front, Shoulder and Sleeve Head." (For Clothing).....	1,011	June 21	110	2231
Harter, E. C., Detroit, Mich. "Fluted Concrete Column." (For Concrete Columns).....	1,140	Nov. 8	113	545
Hayes Lithographing Co., Buffalo, N. Y. "Champion Harvesters." (For Harvesting Machinery).....	1,133	Oct. 18	112	1745
Hayes Lithographing Co., Buffalo, N. Y. "Deering Harvesters." (For Harvesters).....	1,141	Nov. 8	113	545
Hayes, Levi & Co., New York, N. Y. "Men's Apparel." (For Men's Apparel).....	935	Mar. 23	109	1066
Heynemann & Co., San Francisco, Cal. "The Engineer." (For Overalls).....	1,136	Nov. 1	113	277

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Hoffman, D. H., New Orleans, La. "Cafe du Monde." (For Coffee).....	1,152	Nov. 29	113	1413
Holt, Elmer E., St. Louis, Mo. "Astroline." (For Antiseptic Powder).....	1,093	Sept. 30	112	725
Holt, Elmer E., St. Louis, Mo. "Boroline." (For Antiseptic).....	1,094	Sept. 20	112	725
Holt, Elmer E., St. Louis, Mo. "Dermoline." (For Liquid Soap).....	1,095	Sept. 20	112	725
Holt, Elmer E., St. Louis, Mo. "Liq. Camphenol." (For Antiseptic).....	1,096	Sept. 20	112	725
Holt, Elmer E., St. Louis, Mo. "Kataplasim." (For Poultice).....	1,097	Sept. 20	112	725
Holt, Elmer E., St. Louis, Mo. "Ungt. Camphenol." (For Ointment).....	1,098	Sept. 20	112	725
Home Medicine Company, LaHarpe, Ill. "K. K. Hog Cholera Preventive." (For Hog-Cholera Preventive).....	1,025	July 12	111	577
Hulburt Adv. Co., Los Angeles, Cal. "Jug of Joy." (For Beer).....	1,000	May 24	110	1165
Hurd & Page, Denver, Colo. "Gloves." (For Gloves).....	1,008	June 7	110	1747
Huyler's, New York, N. Y. "A Delightful Sweet to Eat." (For Milk Chocolate).....	1,033	July 26	111	1033
J. S. McDonald Company, Chicago, Ill. "Gravity Lock Binder." (For Locks for Adjustable Backs of Loose-Leafed Books, Files, &c.).....	1,003	May 24	110	1165
Jeffords, Robt. I., St. Louis, Mo. "World's Fair Catch Puzzle Souvenir." (For a Puzzle).....	1,028	July 19	111	803
John A. Roebeling's Sons Co., Trenton, N. J. "Leak Seal." (For Wire).....	873	Jan. 5	108	285
Kampfe Bros., New York, N. Y. "Star Safety Razor." (For Razors).....	1,052	Aug. 16	111	1933
Kitz, Augustus J., New York, N. Y. "Piper-Heidsieck Girl." (For Champagne).....	1,040	Aug. 9	111	1621
Kuh, Nathan & Fischer Co., Chicago, Ill. "The Saville Sack." (For Clothing).....	988	May 10	110	597
Kuh, Nathan & Fischer Co., Chicago, Ill. "The Waldorf Sack." (For Clothing).....	989	May 10	110	597
Kuppenheimer & Co., B., Chicago, Ill. "Fall and Winter 1904-05 Men's Apparel." (For Clothing).....	1,075	Aug. 30	111	2487
Laflin & Rand Powder Co., Wilmington, Del. "Smokeless Powders." (For Smokeless Powder).....	889	Feb. 2	108	1325
Lauterbach, William, New York, N. Y. "Paragon Pants." (For Pants).....	996	May 17	110	855
Lawrence & Bullen, Ltd., London, England. "Mary and Her Little Lambs." (For Wall-Paper).....	993	Feb. 23	108	2141
Lawrence & Bullen, Ltd., London, England. "Hunting Scenes." (For Wall-Paper).....	921	Jan. 13	110	547
Leitzelner M., Pittsburgh, Pa. "Comet Thru The Eye." (For Whiskey).....	1,165	Dec. 27	113	2501
Liberty Silk Company, New York, N. Y. "Heather Girl." (For Silks).....	1,144	Nov. 15	113	845
Louis J. Cahn Supply Co., St. Joseph, Mo. "Before and After." (For Clothing).....	1,089	Sept. 13	112	497
Lowenthal, Lucian, New York, N. Y. "Stop That Hack." (For Cough-Drops).....	1,004	May 31	110	1425
Lucas & Co., John, Gibbstown, N. J. "Use Lucas Paints." (For Paint).....	1,157	Feb. 16	113	1965
Manning, William W., Boston, Mass. "Manning's Trade-Mark Coffee." (For Coffee).....	1,156	Dec. 13	113	1965
Martinez Havana Co., New York, N. Y. "Without a Match." (For Cigars).....	1,079	Sept. 6	112	247
May Co., Cleveland, Ohio. "The Tramp \$2.50." (For Shoes).....	876	Jan. 5	108	285
McCall Co., New York, N. Y. "McCall Patterns." (For Patterns).....	1,088	Aug. 2	111	1361
McCormick, Oran, Boston, Mass. "Our Footwear Attracts." (For Shoes).....	917	Mar. 8	109	547
McCormick, Oran, Boston, Mass. "Womens' Artistic Easter Foot-Wear." (For Shoes).....	898	Feb. 16	108	1867
McCormick, Oran, Boston, Mass. "We Have Competition Beat a Mile." (For Shoes).....	899	Feb. 16	108	1867
McCormick, Oran, Boston, Mass. "You Will Be Surprised." (For Shoes).....	900	Feb. 16	108	1867
McCormick, Oran, Boston, Mass. "It is Not Always the Man With the Balls Who Can Juggle Them." (For Shoes).....	916	Mar. 8	109	547
McCormick, Oran, Boston, Mass. "Shoes for the Children." (For Shoes).....	917	Mar. 8	109	547
McCormick, Oran, Boston, Mass. "Our Easter Opening." (For Shoes).....	918	Mar. 8	109	547
McCormick, Oran, Boston, Mass. "We Hatch Out Our Own Ideas in Footwear." (For Shoes).....	919	Mar. 8	109	547
McCormick, Oran, Boston, Mass. "Non-Aqua." (For Shoes).....	924	Mar. 15	109	803
McCormick, Oran, Boston, Mass. "Artistic Footwear for Women." (For Footwear).....	937	Mar. 23	109	1065
McCormick, Oran, Boston, Mass. "Our Spring Styles." (For Shoes).....	931	Apr. 12	109	1884
McCormick, Oran, Boston, Mass. "Birds of a Feather." (For Shoes).....	932	Apr. 12	109	1884
McCormick, Oran, Boston, Mass. "Our Shoes Will Bear the Closest Scrutiny." (For Shoes).....	953	Apr. 12	109	1884
McCormick, Oran, Boston, Mass. "Attractive Summer Footwear for Women." (For Shoes).....	961	Apr. 19	109	2167
McCormick, Oran, Boston, Mass. "Don't Suffer and Cuss Buy Your Shoes from Us." (For Shoes).....	981	Apr. 26	109	2439
McCormick, Oran, Boston, Mass. "New Styles Always on Hand." (For Shoes).....	982	Apr. 26	109	2439
McCormick, Oran, Boston, Mass. "Our Customers Smile." (For Shoes).....	983	Apr. 26	109	2439
McCormick, Oran, Boston, Mass. "Our Oxford Fits." (For Shoes).....	990	May 10	110	597
McCormick, Oran, Boston, Mass. "Smaltz-Goodwin Co., Phila." (For Shoes).....	1,005	May 31	110	1425
McLean, David M., Chicago, Ill. "The Flour Barrel of the World." (For Flour).....	912	Mar. 1	109	273
Meyer-Both Co., Chicago, Ill. "Ladies' Apparel." (For Ladies' Apparel).....	913	Mar. 22	109	1696
Meyer-Both Co., Chicago, Ill. "Women's Apparel." (For Women's Apparel).....	1,117	Oct. 4	112	1209
Meyers Royal Spice Co., Niagara Falls, N. Y. "The Record of the Oracle." (For Spice for Animals).....	1,087	Sept. 13	112	497
National Biscuit Company, Jersey City, N. J., and Chicago, Ill. "Nabisco Sugar Wafers." (For Sugar Wafers).....	1,153	Dec. 6	113	1701
National Business Opportunities Co., New York, N. Y. "Reliance." (For Hat-Fasteners).....	949	Apr. 12	109	1883
National Enameling & Stamping Co., New York, N. Y. "Royal Granite Steel Ware." (For Steelware).....	1,069	Aug. 23	111	2217
Natural Carbon By-Products Co., Freeport, Ill. "Mindura." (For Paint-Pigments and Paint Materials).....	896	Feb. 9	108	1585
Nest England Confectionery Co., Boston, Mass. "Necoco's Chocolates Are Ripe." (For Chocolates).....	881	Jan. 12	108	557
Ogburn, J. H., South Hill, Va. "Trois Fontaine Lithia Water." (For Lithia Water).....	1,068	Aug. 23	111	2217
Old Mexico Trading Co., El Paso, Tex. "The Old Mexico Trading Co." (For Drawnwork, Blankets, and Hand-Made Wares).....	997	May 17	110	855
Olsewski, Leonard F., Detroit, Mich. "American Loto." (For a Game).....	1,044	Aug. 16	111	1933
Ozomulsion Co., New York, N. Y. "Ozomulsion." (For Medicine).....	928	Mar. 15	109	803
Palmer, Isaac E., Middletown, Conn. "Palmer's Patented Hammocks." (For Hammocks).....	879	Jan. 12	108	557
Parker, Hilon A., Chicago, Ill. "Hope's Little Digestion Tablets, Hope for the World." (For Medicine).....	1,013	June 21	110	2331
Pearlman, Charles, New York, N. Y. "Home Educator." (For Coffee).....	987	May 3	110	303
Plant & Co., L. S., Newark, N. J. "Prudential Umbrella." (For Umbrellas).....	994	May 17	110	855
Plant & Co., L. S., Newark, N. J. "La Sylvia." (For Corsets).....	1,010	June 21	110	2331
Poole, William H., Boston, Mass. "Poole Pianos." (For Pianos).....	986	Apr. 26	108	2439
Prange, L., Brooklyn, N. Y. "Prunifera." (For Medicinal Prune-Syrup).....	880	Jan. 12	108	557
Prest Food Company, Philadelphia, Pa. "Fratts of Philadelphia." (For Animal and Poultry Regulators and Veterinary Remedies).....	1,082	Sept. 6	112	247
Radcliffe Shoe Co., Boston, Mass., and Norway, Me. "Radcliffe Shoe." (For Shoes).....	998	Mar. 22	109	1066
Raymond & Pierce, New York, N. Y. "Art Shirt Waist." (For Shirt-Waists).....	985	Jan. 19	108	793
Reichard & Scheuber Manfg. Co., New York, N. Y. "Instructions 'Yankee' Safety Razor." (For Safety-Razors).....	901	Feb. 16	108	1867
Rief, Frederick J., Boston, Mass. "Berlin Shape." (For Eyeglasses and Spectacles).....	1,016	June 28	110	2507
Roach, Charles A., St. Paul, Minn. "Egg Chocolates." (For Candy).....	939	Mar. 22	109	1066
Roach, Charles A., St. Paul, Minn. "The American Girl." (For Candy).....	940	Mar. 22	109	1066
Roach, Charles A., St. Paul, Minn. "The Queen." (For Candy).....	943	Mar. 22	109	1333
Rockdale Powder Co., York, Pa. "Japanese." (For Explosives).....	1,169	Dec. 27	113	2501
Romunder, Hermann, Milwaukee, Wis. "The Romunder Comfort Passenger Car." (For Passenger-Cars).....	993	Mar. 15	109	803

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Romünder, Hermann, Milwaukee, Wis. "The Romünder 'Comfort' Passenger Car." (For Passenger-Cars).....	959	Apr. 19	109	1884
Rosenfeld & Co., E., Baltimore, Md. "Faultless Day Shirts." (For Day-Shirts).....	978	Apr. 26	109	2439
Rosenfeld & Co., E., Baltimore, Md. "Faultless Night Shirts." (For Night-Shirts).....	979	Apr. 26	109	2439
Rosenfeld & Co., E., Baltimore, Md. "Faultless Pajamas." (For Pajamas).....	980	Apr. 26	109	2439
Rosenfeld, Joseph, Detroit, Mich. "Golfonella." (For Ladies' Head-Gear).....	1,029	July 26	111	1033
Rucker & Witten Tobacco Co., Martinsville, Va. "Natural Leaf." (For Tobacco).....	920	Mar. 8	109	547
Runkel Brothers, New York, N. Y. "The Only Third Party Welcomed on These Occasions." (For Cocco).....	902	Feb. 16	108	1867
Samuel Cupples Envelope Co., St. Louis, Mo. "World's Fair Official Souvenir Playing Cards." (For Playing-Cards).....	1,076	Sept. 6	112	247
Schloss Bros. & Co., Baltimore, Md. "Schloss Bros. & Co. Fine Clothes Makers." (For Clothing).....	1,045	Aug. 16	111	1933
Seiter & Kappes, New York, N. Y. "In Every Man's Pocket." (For Cigars).....	956	Apr. 12	109	1884
Seymour, Harriet A., South Orange, N. J. "Harriet Hubbard Ayer's Face Cream." (For Face-Cream).....	962	Apr. 19	109	2167
Singer Manufacturing Co., New York, N. Y. "All Nations Use the Singer." (For Sewing-Machines).....	931	Mar. 15	109	803
Singer Manufacturing Co., Elizabeth, N. J. "The Singer." (For Sewing-Machines).....	1,161	Dec. 20	113	2211
Singer Manufacturing Co., Elizabeth, N. J. "The Singer." (For Sewing-Machines).....	1,162	Dec. 20	113	2211
Smith, Alfred H., New York, N. Y. "Little Tingle." (For Rubber Sponges).....	963	Apr. 19	109	2167
Smith, Alfred H., New York, N. Y. "Cleanwell Tingle Sponge." (For Rubber Sponges).....	964	Apr. 19	109	2167
Smith, Frank J., Northport, N. Y. "Foxy Grandpa's Multiplier." (For a Multiplier).....	922	Mar. 15	109	802
Smith, Gale V., Cleveland, Ohio. "Pleased Customer." (For Men's Clothing).....	1,030	July 26	111	1033
Smith, Walter B., Marlboro, Mass. "Gameboard." (For Game-Boards).....	1,111	Sept. 27	112	951
Sommer, Adolph, Cambridge, Mass. "Moses Found in a Viscolized Shoe." (For Shoes).....	1,102	Sept. 20	112	725
Soule, Marie L., St. Louis, Mo. "The Excelsior Dress-Makers Fitting Saddle." (For Dress-makers' Fitting-Saddles).....	884	Jan. 19	108	793
Spilltoir, Gustave E., New York, N. Y. "Spilltoir's Buttermilk Talcum." (For Talcum Powder).....	1,007	June 7	110	1716
Spiron, Peter D., Chicago, Ill. "Important Facts About Longevity." (For Milk Food).....	1,151	Nov. 29	113	1413
Sun Typewriter Company, Newark, N. J. "The Sun Typewriter Girl." (For Type-Writers).....	1,154	Dec. 6	113	1701
Swits Condé Wool Co., Oswego, N. Y. "Swits Condé Wool Co." (For Wool and Skins).....	1,168	Dec. 27	113	2501
Talbot Company, Boston, Mass. "Men's and Boys' Apparel." (For Apparel).....	904	Feb. 23	108	2141
Talbot Company, Boston, Mass. "Men's Apparel." (For Men's Apparel).....	1,041	Aug. 9	111	1621
Taylor Bros. Co., Rochester, N. Y. "Taylor's Clinical Tubes." (For Clinical Thermometers).....	946	Mar. 29	109	1333
Tiemann, Albert, Milwaukee, Wis. "Life Malt." (For Malt Extract).....	951	Sept. 20	112	725
Tiemann, Albert, Milwaukee, Wis. "The Beer You Like." (For Beer).....	1,092	Sept. 20	112	725
U. S. Coffee, Tea & Spice Co., Denver, Colo. "Dollar Brand." (For Coffee).....	944	Mar. 29	109	1333
Uhry, Jules, New York, N. Y. "Ontostay." (For Hat-Pins).....	977	Apr. 26	109	2439
United States Gypsum Co., Jersey City, N. J., and Chicago, Ill. "Pyramid Natural Cement Plaster." (For Cement Plaster).....	1,036	July 26	111	1033
United States Gypsum Co., Jersey City, N. J., and Chicago, Ill. "Eldorado Natural Cement Plaster." (For Plaster).....	1,043	Aug. 9	111	1621
United States Playing Card Co., Cincinnati, Ohio. "Chink Back Congress Playing Cards." (For Playing-Cards).....	1,072	Aug. 30	111	2487
United States Playing Card Co., Cincinnati, Ohio. "The Meet, The Run, Into Cover, and The Kill backs, Congress Playing Cards." (For Playing-Cards).....	1,077	Sept. 6	112	247
United States Playing Card Co., Cincinnati, Ohio. "Shower and Military Backs, Congress Playing Cards." (For Playing-Cards).....	1,131	Oct. 18	112	1745
United States Playing Card Company, Cincinnati, Ohio. "Bicycle Playing Cards, New Automobile Designs." (For Playing-Cards).....	908	Mar. 1	109	273
United States Playing Card Company, Cincinnati, Ohio. "Bicycle Playing Cards, New Automobile Designs." (For Playing-Cards).....	909	Mar. 1	109	273
United States Playing Card Company, Cincinnati, Ohio. "Faranian and Egyptian backs Congress Playing Cards." (For Playing-Cards).....	1,078	Sept. 6	112	247
United States Playing Card Company, Cincinnati, Ohio. "Eastlake, Imperial, Majestic, Lily of the Valley, Shamrock and Geometric backs, Congress Playing Cards." (For Playing-Cards).....	1,090	Sept. 13	112	497
United States Playing Card Company, Cincinnati, Ohio. "Violet and Spanish backs, Congress Playing Cards." (For Playing-Cards).....	1,103	Sept. 20	112	725
United States Playing Card Company, Cincinnati, Ohio. "At the Euchre—Wouldn't you like to hold my hand?" (For Playing-Cards).....	1,112	Sept. 27	112	951
United States Playing Card Company, Cincinnati, Ohio. "Lily Back, Congress Playing Cards." (For Playing-Cards).....	1,132	Oct. 18	112	1745
United States Playing Card Company, Cincinnati, Ohio. "Wouldn't You Like to be My Partner?" (For Playing-Cards).....	1,135	Oct. 25	112	2089
United States Playing Card Company, Cincinnati, Ohio. "Victory back, Initial Series Congress Playing Cards." (For Playing-Cards).....	1,137	Nov. 1	113	277
United States Playing Card Company, Cincinnati, Ohio. "Could you hold a better hand?" (For Playing-Cards).....	1,138	Nov. 1	113	277
United States Playing Card Company, Cincinnati, Ohio. "At Hearts—Wish I could give you my heart." (For Playing-Cards).....	1,150	Nov. 22	113	1141
United States Playing Card Company, Cincinnati, Ohio. "You'd like my hand, wouldn't you?" (For Playing-Cards).....	1,155	Dec. 6	113	1701
United States Rubber Co., New York, N. Y. "Lycoming Rubbers." (For Rubbers).....	905	Feb. 23	108	2141
Victor Talking Machine Co., Camden, N. J. "Victor." (For Talking-Machines and Accessories).....	874	Jan. 5	108	285
Victor Talking Machine Co., Camden, N. J. "The Victor Jewel Premium Machine." (For Talking-Machines and Accessories).....	990	Mar. 15	109	803
Vita Oil Co., San Francisco, Cal. "Dr. Smith's Vita Oil." (For Liniment).....	1,083	Sept. 6	112	247
Walcoff, Udell & Co., New York, N. Y. "Walk-off Clothes." (For Clothes).....	1,148	Nov. 22	113	1141
Walther Lighting and Heating Manufacturing Co., Davenport, Iowa. "Walther Improved Gas Machine." (For Gas Machines).....	1,084	Sept. 6	112	247
Warner Brothers Company, Bridgeport, Conn. "Warner's Rust Proof Corsets." (For Corsets).....	1,073	Aug. 30	111	2487
Washburn, Crosby Co., Minneapolis, Minn. "For Goodness Sake." (For Flour).....	891	Feb. 2	108	1325
Washburn, Crosby Co., Minneapolis, Minn. "There Are Other Kinds." (For Flour).....	892	Feb. 2	108	1325
Washburn, Crosby Co., Minneapolis, Minn. "No Doubt About It." (For Flour).....	893	Feb. 2	108	1325
Washburn, Crosby Co., Minneapolis, Minn. "What Else—Please?" (For Flour).....	906	Feb. 23	108	2141
Washburn, Crosby Company, Minneapolis, Minn. "There's Good Bread Ahead." (For Flour).....	993	May 10	110	597
Washburn, Crosby Company, Minneapolis, Minn. "There's Good Bread Ahead." (For Flour).....	1,015	June 23	110	2507
Washburn, Crosby Company, Minneapolis, Minn. "Two Good Bread Makers." (For Flour).....	1,021	July 5	111	298
Washburn, Crosby Company, Minneapolis, Minn. "No Doubt About It." (For Flour).....	1,048	Aug. 16	111	1933
Washburn, Crosby Company, Minneapolis, Minn. "It's Like Putting Money in the Bank." (For Flour).....	1,085	Sept. 13	112	497
Washburn, Crosby Company, Minneapolis, Minn. "Before You Say Flour Say Gold Medal—Always." (For Flour).....	1,086	Sept. 13	112	497
Washburn, Crosby Company, Minneapolis, Minn. "Grocers' Clerks." (For Flour).....	1,116	Oct. 4	112	1209

Alphabetical list of registrants of prints—Continued.

Name, residence, and title.	No.	Date.	Official Gazette.	
			Vol.	Page.
Washburn, Crosby Company, Minneapolis, Minn. "On the Back of the Sack." (For Flour)	1,128	Oct. 18	112	1745
Washburn, Crosby Company, Minneapolis, Minn. "Baking Day Trials Turn to Pleasure." (For Flour)	1,139	Nov. 8	113	545
Washburn-Crosby Company, Minneapolis, Minn. "A Home Favorite." (For Flour)	1,166	Dec. 27	113	2501
Washburn-Crosby Company, Minneapolis, Minn. "Keeps the Grocers Busy." (For Flour)	1,167	Dec. 27	113	2501
Wise, George W., Cincinnati, Ohio. "Evelene." (For Medicine)	914	Mar. 1	109	273
Wm. J. Lemp Brewing Co., St. Louis, Mo. "Extra Pale." (For Bottled Beer)	985	Apr. 26	109	2439
Wold, Torris, Chicago, Ill. "Plant of Modern Automatic Can Making Machinery." (For Can-Making Machinery)	907	Mar. 1	109	273
Zalinfo, Gregori, New York, N. Y. "Russian Overland Tea Co." (For Teas)	958	Apr. 12	109	1884

DISCLAIMERS.

Name, residence, and invention.	No.	Filed.	Official Gazette.	
			Volume.	Page.
Carpenter, Charles E., Minneapolis, Minn.; disclaimer filed by assignee. Electroheating apparatus	447,023	Oct. 26, 1904	113	1
Hoyle, Harrison B., Worcester, Mass.; disclaimer filed by patentee. Spinning-ring	737,748	Oct. 31, 1904	113	285
Oester, Charles H., San Francisco, Cal.; disclaimer filed by patentee. Cleaner for sifter-drums	624,965	Dec. 14, 1904	113	1973
Scott, James, Pittsburg, Pa.; disclaimer filed by assignees. Bosh-plate for furnaces	432,618	Mar. 15, 1904	109	811
Smith, William Robert, New York, N. Y. Automatic weighing-scale	373,101	Apr. 9, 1904	109	1891
Smith, William Robert, New York, N. Y.; disclaimer filed by assignees. Automatic weighing-scale	375,102	June 1, 1904	110	1433
Westinghouse, George, Jr., and Edwin Ruud, Pittsburg, Pa.; disclaimer filed by assignee. Means for controlling and regulating operation of gas-engines	589,585	May 17, 1904	110	863

ALPHABETICAL LIST OF INVENTIONS.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Specification.	Drawing.	Volume.	Page.
Abdominal hernia-pad. Combined	A. E. Magoris.....	763,683	June 28	4082	888	110	2386
Abdominal supporter	M. Hazelbaker.....	751,641	Feb. 9	1585	889	108	1414
Abdominal supporter	E. Schenkel.....	760,022	May 17	2887	604	110	684
Abdominal supporter and truss	B. F. Lacy.....	772,105	Oct. 11	1799	399	112	1361
Abbrading device	F. Ekvall.....	753,251	Mar. 1	67	17	109	17
Abbrading material and mounting therefor	R. Gardner.....	774,513	Nov. 8	1876	407	113	435
Abbrading-sheet holder	D. A. Swaggerty.....	751,117	Feb. 2	611	142	108	1193
Abbrading-tool	J. C. Smith.....	752,475	Feb. 16	3184	710	108	1783
Abrasive wheel	D. B. Hyde.....	750,653	Jan. 26	4147	899	108	965
Absorption apparatus. Chemical	H. G. Schanche.....	755,705	Mar. 29	4851	1078	109	1125
Accordion	R. Carbonari.....	780,730	May 24	4383	910	110	1010
Accordion-lock	H. A. Price.....	778,145	Dec. 20	3337	732	113	2178
Account. Credit	W. R. Swan.....	750,557	Jan. 26	3990	863	108	932
Account-register and desk-slide	C. Paul.....	755,387	Mar. 22	4290	941	109	980
Account-registering system	J. F. Schmitt.....	770,478	Sept. 20	2551	543	112	608
Accounts. Means adapted to facilitate the recording and rendering of	C. L. Haggard.....	772,036	Oct. 11	1653	370	112	1328
Accounting appliance. Credit	W. M. Ellett and R. M. Vick.....	772,407	Oct. 18	2426	532	112	1521
Accoutrement	H. R. Lemly.....	770,761	Sept. 27	3092	655	112	747
Accumulator	J. A. Lyons and E. C. Broadwell.....	766,958	Aug. 9	1716	360	111	1443
Accumulator	H. A. Brooks.....	776,107	Nov. 29	5305	1099	113	1241
Accumulator and regulator	E. Guillaume.....	778,450	Dec. 27	3957	860	113	2328
Accumulator-plates. Electrolytically producing lead-peroxid layers upon positive	J. Diamant.....	774,049	Nov. 1	1080	230	113	232
Accumulator-plates. Machine for making	C. Francke.....	771,055	Sept. 27	3686	777	112	878
Acetyl-salicyl-phenetidin. Making	S. L. Summers.....	778,536	Dec. 27	4149	.....	113	2371
Acetylene-generating apparatus	J. J. Matthews.....	756,671	Apr. 5	912	199	109	1538
Acetylene-generator	W. S. May.....	750,674	Jan. 26	4193	900	108	977
Achroo-dextrin. Making	G. Reynaud.....	761,542	May 31	5874	.....	110	1375
Acid. Acetyl para cresotinic	B. R. Seifert.....	749,634	Jan. 12	2307	.....	108	514
Acid and esters thereof. Making acetyl-salicylic	B. Balthazard.....	749,080	Jan. 19	2393	.....	108	680
Acid and making same. Homologous propiolic	C. Moureu.....	749,800	Jan. 19	2555	.....	108	606
Acid and making same. Ortho-dioxyanthraquinone-sulfo	M. Jijinsky.....	778,670	Dec. 27	4371	.....	113	2420
Acid and making same. Ureide of dialkyl-acetic	E. Fischer and J. von Mering.....	773,251	Oct. 25	4266	.....	112	1948
Acid anilid-orthocarboxylic acid and making indigo. Glycollic	B. Homolka and F. von Bolzano.....	768,455	Aug. 23	4748	.....	111	2139
Acid. Apparatus for making sulfuric	H. Hegeler and N. L. Heinz.....	765,534	July 26	3895	880	111	887
Acid compounds. Making organic	W. Büuml.....	752,947	Feb. 23	4150	.....	108	2015
Acid-condensing apparatus. Nitric	O. Guttman.....	771,629	Oct. 4	507	180	112	1132
Acid ester and making same. Sulfo	E. Sapper and F. Reubold.....	765,597	July 19	3283	.....	111	708
Acid. Ether of amylpropionic	C. Moureu.....	750,322	Jan. 19	3322	.....	108	709
Acid, &c. Ether of propiolic	C. Moureu.....	750,213	Jan. 19	3323	.....	108	769
Acid from beet-root molasses and making same. Organic	H. Schrader.....	761,412	May 31	5654	.....	110	1326
Acid in gases. Determining the quantity of carbonic	G. Bodländer.....	751,897	Feb. 9	2075	460	108	1520
Acid. Making dialkyl-barbituric	M. Engelmann.....	750,627	Jan. 26	4103	.....	108	957
Acid. Making dialkyl-barbituric	M. Engelmann.....	751,724	Feb. 9	1735	.....	108	1444
Acid. Making hydrocyanic	W. Feld.....	764,443	July 5	1096	.....	111	343
Acid. Making sulfuric	W. M. Burton.....	772,129	Oct. 11	1843	.....	112	1369
Acid. Making nitric	W. Mills.....	755,878	Mar. 22	4239	.....	109	976
Acid. Making omega cyanmethyl-anthranilic	O. J. Graul.....	765,576	July 19	3348	.....	111	759
Acid. Making phosphoric	N. B. Powter.....	751,753	Feb. 9	1793	409	108	1456
Acid. Making sulfuric	N. Heinz and H. Hegeler.....	752,677	Feb. 23	3598	802	108	1893
Acid. Making sulfuric	A. L. Stinville.....	755,230	July 19	3280	.....	111	708
Acid. Manufacture of carbonic	J. Leslie.....	774,092	Nov. 1	1113	236	113	232
Acid. Manufacture of sulfuric	P. G. Salom.....	755,247	Mar. 22	3982	884	109	919
Acid. Manufacturing hydrofluoric	C. A. Doremus.....	754,978	Mar. 22	3511	.....	109	818
Acid. Manufacturing nitric	H. Pauling.....	777,486	Dec. 13	2001	.....	113	1885
Acid. Making	O. J. Graul.....	778,656	Dec. 27	4353	.....	113	1691
Acid. 1,5-nitroanthraquinone-sulfonic	R. E. Schmidt.....	757,057	Apr. 12	1688	.....	109	1717
Acid. 1,8-nitroanthraquinone-sulfonic	R. E. Schmidt.....	757,058	Apr. 12	1689	.....	109	1718
Acid plant. Sulfuric	A. Zanner.....	768,108	Aug. 23	4055	854	111	1995
Acid. Preparing dialkylbarbituric	M. Engelmann.....	775,809	Nov. 22	4610	.....	113	1091
Acid. Preparing dialkylbarbituric	M. Engelmann.....	775,810	Nov. 22	4611	.....	113	1091
Acid. Producing salts of hydrosulfurous	A. Frank.....	777,869	Dec. 20	2374	582	113	1979
Acid-proof composition	F. A. Pank.....	753,421	June 28	3678	.....	110	6287
Acids and bromated phthalic acids with naphthols. Making condensation products from dicarbo	A. Denguine and S. Levinsohn.....	753,372	Mar. 1	2717	.....	109	63
Acids. Forming organic peroxid	A. M. Clover.....	768,562	Aug. 23	4965	.....	111	2198
Acids. Making compounds of titanil and lactic	C. Dreher.....	760,319	May 17	3455	.....	110	811
Acids. Making dialkylbarbituric	E. Fischer.....	770,743	Sept. 27	3053	.....	112	738

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.-g.	Vol.	Page.
Acids. Making fatty	W. Connstein	762,026	June 7	802	-----	110	1612
Acids. Making organic	N. Zenzky	752,744	Feb. 23	3720	-----	108	1920
Acids. Making ortho-oxy-carbon	G. Wichmann	757,702	Apr. 19	2994	-----	109	2015
Acidyl derivatives of rufigalic-acid ethers and making same.	K. Stephan and F. Kaiser	751,816	Feb. 2	819	-----	108	1232
Acylated indoxyl and making same.	D. Vorländer, B. Drescher, and P. Seidel.	778,725	Dec. 27	4459	-----	113	2499
Adding and recording machine.	A. S. Dennis	758,052	Apr. 26	3680	798 799 800 801 802	109	2185
Adding and recording machine.	W. H. Pike, Jr.	763,692	June 28	4101	894 895 896 897 898	110	2390
Adding and recording machine.	A. P. Simpson	770,446	Sept. 20	2482	527 528 529 530	112	593
Adding and subtracting apparatus. Automatic.	N. H. Kodama	753,586	Mar. 1	712	160	109	156
Adding and subtracting machine.	R. L. Cleveland	778,447	Dec. 27	3950	858	113	2327
Adding-machine.	F. Buresh	748,924	Jan. 5	708	155	108	160
Adding-machine.	L. Cerf	749,473	Jan. 12	1916	397 398 399	108	450
Adding-machine.	P. H. Thompson	750,734	Jan. 26	4936	936 937 938	108	1069
Adding-machine.	A. P. Watt	751,032	Feb. 2	461	108	108	1159
Adding-machine.	W. H. Clark	754,544	Mar. 15	2077	581	109	620
Adding-machine.	G. Platt	756,280	Apr. 5	176	36	109	1381
Adding-machine.	W. P. Quentell	756,706	Apr. 5	971	214	109	1551
Adding-machine.	T. A. Wheeler	758,198	Apr. 26	3959	859	109	2345
Adding-machine.	R. Sears	759,478	May 10	1828	368 369	110	435
Adding-machine.	R. E. Weston	765,531	July 19	3269	984	111	742
Adding-machine.	E. Fitch	766,142	July 26	4483	960 961 962	111	1015
Adding-machine.	W. H. Pike, Jr.	767,596	Aug. 16	2966	621 622 623	111	1736
Adding-machine.	R. Corbin	767,871	Aug. 16	3486	737	111	1848
Adding-machine.	H. C. Dungan	768,431	Aug. 23	4709	986 987 988	111	2145
Adding-machine.	S. H. Drysdale	769,892	Sept. 13	1432	306 307 308	112	341
Adding-machine.	W. R. Staples	770,875	Sept. 27	3325	703 704 705 706 707	112	799
Adding-machine.	C. Stahlberg	771,505	Oct. 4	557	126 127 128 129	112	1076
Adding-machine.	W. G. Powell and F. A. Williams	773,675	Nov. 1	272	62	113	65
Adding-machine.	F. T. Betts	776,582	Dec. 6	231	51, 52	113	1480
Adding-machine.	G. Rainey	776,616	Dec. 6	236	66	113	1495
Adding-machine.	A. Nettl	776,786	Jan. 5	393	90	108	88
Adding-machine correcting mechanism.	C. Wales	768,097	Aug. 23	4031	848	111	1990
Adding-machine signal.	F. A. Cottrill	761,149	May 31	5139	1091	110	1212
Adding-machine type-writing attachment.	E. B. Cram	761,948	June 7	661	133 134 135	110	1585
Adding or subtracting machine.	J. H. Martin	758,013	Apr. 10	3591	778 779 780	109	2146
Addressing-machine.	J. S. Duncan	759,249	May 10	1377	274 275 276	110	334
Addressing-machine.	E. D. Belknap	762,609	June 14	1965	301	110	1883
Addressing-machine.	W. Murphy	764,615	July 12	1475	302 303 304	111	339
Addressing-machine.	J. S. Duncan	764,660	July 12	1577	321 322 323 324	111	360
Addressing-machine.	S. E. Farnham	766,233	Aug. 2	178	34 35 36	111	1081
Addressing-machine.	E. P. Sheldon and W. B. Story	768,823	Aug. 30	5510	1160 1161 1162	111	2385
Addressing-machine.	E. P. Sheldon and W. B. Story	768,824	Aug. 30	5518	1163 1164 1165	111	2387
Addressing mechanism.	A. Eschenbach	770,276	Sept. 20	2171	452 453 454	112	524
Adhesive.	A. P. Anderson	769,289	Sept. 6	306	71	112	66
Adhesive melting and distributing apparatus.	A. Jeffery	761,301	May 31	5444	1157	110	1277
Adhesive-supplying mechanism.	A. Shedlock	756,900	Apr. 12	1367	805	109	1650
Adhesives. Making	W. H. de Roseau	757,337	Apr. 12	2254	691	109	1839
Adjustable bit.	W. H. de Roseau	763,072	June 21	2893	684	110	2106
Adjustable bracket.	A. Breese	768,329	Aug. 30	5737	1206	111	2390
Adjustable bracket and support.	A. Anspach	750,045	Jan. 19	3018	646	108	706
Adjustable bracket for mirrors, &c.	F. Eble and G. E. Martin	763,380	June 28	3522	759	110	2267
Adjustable chair or similar article.	E. H. Henry	776,740	Dec. 6	556	122	113	1549
Adjustable key.	C. J. Caley	756,830	Apr. 12	1232	275	109	1623
Adjustable protective frame.	A. L. C. Marsh	738,332	Apr. 25	4325	929	109	2325
Adjustable spring.	J. M. Ericson, C. R. Berry, and L. W. Hoge.	759,507	May 10	1890	380	110	448
Adjustable wrench.	J. W. Davis	750,523	Jan. 26	3912	848	108	918
Adjustable wrench.	A. Heberer	753,469	Mar. 1	502	67	109	111
Adjustable wrench.	E. Bordevisch and O. C. Wories	754,740	Mar. 15	3060	668	109	703
Adjustable wrench.	F. J. Leibman	762,420	June 14	1562	343	110	1797
Adjusting or packing ring.	E. Marold	771,258	Oct. 4	76	17	112	978

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Advertising and exhibiting paints, wall-finishes, &c. Device or means for	J. F. Gould	757,549	Apr. 19	2687	588	109	1947
Advertising and showing machine. Automatic revolving	A. Mariolle	770,764	Sept. 27	3096	656 657	112	748
Advertising apparatus	A. S. Perry	760,242	May 17	3320	697	110	781
Advertising apparatus	J. B. von Rüdiger	770,319	Sept. 20	2368	475 476	112	547
Advertising, &c. Apparatus for	H. J. Chart	774,647	Nov. 8	2119	402 403	113	486
Advertising apparatus. Prize-awarding	J. O. Morris	778,546	Dec. 27	4128	599 600	113	2366
Advertising-blotter	N. L. Bassett	774,999	Nov. 15	2875	613	113	680
Advertising-cabinet	M. Kovacevic	753,387	Mar. 1	714	169	109	156
Advertising-card	W. T. and M. J. Sullivan	735,962	Mar. 20	5393	1188	109	1245
Advertising-card	W. T. and M. J. Sullivan	755,963	Mar. 20	5384	1188	109	1245
Advertising device	J. H. Dykes	755,321	Mar. 22	3933	871	109	909
Advertising device	E. J. Bliss	768,892	Aug. 30	5664	1191	111	2372
Advertising device	L. M. Salsbury	773,326	Oct. 25	4988	1027	112	2078
Advertising device	W. J. Paulsen	777,332	Dec. 13	2085	459	113	1362
Advertising device and cigar-cutter	F. M. Fox	762,815	June 14	2393	521	110	1975
Advertising display apparatus	J. I. Wiley	764,510	July 5	1235	253	111	270
Advertising display device	D. Jones	749,441	Jan. 12	1842	384	108	434
Advertising display means	J. W. May	769,468	Sept. 13	1397	298	112	334
Advertising form. Corset	D. Kops	777,423	Dec. 13	1875	413	113	1857
Advertising novelty	W. H. Bender	766,206	Apr. 5	15	4, 5	109	1346
Advertising or picture-exhibiting apparatus	M. L. Frink	766,084	Aug. 2	1128	234 235	111	1202
Advertising purposes. Scintillating device for	F. Seary and J. Lenderyou	770,931	Sept. 27	3440	726	112	825
Advertising-vehicle	J. A. Eldred	771,617	Oct. 4	784	174	112	1126
Advertising waste-paper box	S. Leveen	757,403	Apr. 12	2385	519	109	1866
Advertising-wheel	J. Lynn	751,086	Feb. 2	537	129	108	1181
Aerated or carbonated liquids. Means for manufacturing	H. G. Watson	772,484	Oct. 18	2586	569	112	1555
Aerating apparatus. Liquid-	F. G. Hampson	764,461	July 5	1125	229 230	111	248
Aerating liquids or charging them with gas. Apparatus for	W. Hucks, Jr.	751,397	Feb. 2	1150	262	108	1302
Aerating-regulator	F. Brogniez	765,548	July 19	3302	692	111	749
Aerator. Cream or milk	G. W. Kennedy	769,778	July 26	3709	809	111	866
Aerial apparatus	J. Kaiser	756,169	Mar. 29	5741	1269	109	1321
Aerial-navigation apparatus	C. F. Morrison	761,053	May 24	4949	1049	110	1152
Aerial vehicle	A. G. Bell	757,012	Apr. 12	1599	348	109	1698
Aerial vehicle or other structure	A. G. Bell	770,626	Sept. 20	2829	691 692	112	671
Aerial vessel	H. de Walden and H. Knudsen	769,034	Aug. 30	5954	1246 1247	111	2438
Agglomerating compound for agglomerating pulverulent materials.	C. Giglio and B. Zaouche	751,280	Feb. 2	950		108	1259
Aging liquors. Machine for	T. R. Timby	769,330	Sept. 6	398	90	112	84
Agitator. Rotary	J. Smith	764,870	July 12	1993	411	111	453
Agricultural boiler	W. T. Marrs and T. J. Wolf	762,920	June 21	2611	566	110	2044
Agricultural implement	J. Downing	748,706	Jan. 5	291	66, 67	108	65
Agricultural implement	H. P. Adams	762,372	June 14	1467	320	110	1777
Agricultural implement	H. H. Herrod, Jr.	775,770	Nov. 22	4522	962	113	1076
Agricultural machine	G. L. Bradley	764,084	July 5	241	44	111	56
Agricultural-machine seat	H. D. Walker	773,695	Nov. 1	310	68	113	74
Air and bisulfid of carbon contained in viscose. Apparatus for extracting	L. Naudin	767,421	Aug. 16	2604	549	111	1652
Air and gas mixing and delivering apparatus	W. H. Brown and J. E. Truckses	748,840	Jan. 5	532	123 124	108	122
Air and gas regulating apparatus	E. A. Hall	754,303	Mar. 8	2135	473	109	484
Air and hand brake. Combined	A. G. Sandman	769,359	Sept. 6	443	99	112	98
Air. Apparatus for separating dust from	W. E. Allington	772,689	Oct. 18	2975	653	112	1639
Air. Apparatus for the electrical treatment of	J. E. Mitchell and D. Parks	773,467	Oct. 25	4590	970	112	2017
Air-brake	G. Westinghouse	759,010	Jan. 19	2353	632	108	693
Air-brake	W. H. Sauvage	752,111	Feb. 16	2487	555	108	1629
Air-brake	W. H. Sauvage	752,112	Feb. 16	2491	555	108	1629
Air-brake	W. J. Vaughn	755,333	Mar. 22	4154	918	109	955
Air-brake	D. Dunn	756,904	Apr. 5	785	170	109	1507
Air-brake	J. H. Bleck	757,015	Apr. 12	1603	349	109	1690
Air-brake	H. Baluss, Jr.	759,226	May 10	1331	265 266	110	323
Air-brake	J. W. Bingley	761,651	June 7	35	6	110	1444
Air-brake	J. F. Kelly	761,683	June 7	180	21	110	1465
Air-brake	W. H. Sauvage (Reissue)	761,683	June 7	1240	267	110	1709
Air-brake	J. H. Graham and E. M. Potts	762,995	June 21	2730	592	110	2071
Air-brake	W. O. Mundy	763,310	June 21	3342	724	110	2205
Air-brake	W. O. Mundy	763,311	June 21	3344	724	110	2206
Air-brake	W. O. Mundy	763,312	June 21	3345	725	110	2206
Air-brake	F. S. Sheffield	764,985	July 12	1626	332	111	372
Air-brake	W. M. Fulton	767,476	Aug. 16	2718	571	111	1679
Air-brake	J. F. McElroy	768,537	Aug. 23	4905	1028 1029	111	2186
Air brake	J. F. McElroy	768,538	Aug. 23	4913	1029	111	2188
Air-brake	F. F. Tipton	768,639	Aug. 30	5151	1082	111	2258
Air-brake	J. C. Clyde	775,062	Nov. 15	3002	638	113	710
Air-brake	J. J. Turner	776,765	Dec. 6	600	130 131	113	1558
Air-brake accelerator	V. C. Tasker	766,915	Aug. 9	1624	342	111	1421
Air-brake apparatus	O. A. Alexander	763,834	June 28	4392	954	110	2450
Air-brake attachment	D. M. Elder	772,227	Oct. 11	2045	449	112	1413
Air-brake. Automatic	B. Stapleton and J. Ahern	751,024	Feb. 2	445	105	108	1156
Air-brake. Automatic	H. McCleary	764,142	July 5	456	89, 90	111	99
Air-brake. Automatic	W. E. Delancy	772,752	Oct. 18	3095	639	112	1644
Air brake. Compressed	G. E. Houplain	775,141	Nov. 15	3168	673	113	746

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Air-brake-connection pipe-joint	S. Feust	775,769	Nov. 22	4530	961	113	1075
Air-brake controller	J. C. Wands	753,648	Mar. 1	822	1184	109	179
Air-brake controller	J. C. Wands	753,649	Mar. 1	824	1184	109	179
Air-brake controller	J. C. Wands	753,650	Mar. 1	825	1185	109	179
Air-brake controller	W. H. Scott	754,246	Mar. 8	2030	432	109	462
Air-brake controller	W. H. Scott	754,393	Mar. 8	2346	512	109	529
Air-brake-controlling apparatus	W. J. Schlacks	775,313	Nov. 22	3572	753	113	863
Air-brake coupling	J. H. Phillips	751,682	Feb. 9	1633	376	108	1428
Air-brake coupling. Automatic	F. M. Caron	770,160	Sept. 13	1921	409	112	449
Air-brake coupling. Automatic	F. A. Shively	772,539	Oct. 18	2984	589	112	1576
Air-brake coupling. Automatic	H. O. Beale	775,286	Nov. 15	3511	740	113	839
Air-brake. Emergency	W. H. Honsberger	748,733	Jan. 5	1536	75	108	71
Air-brake-hose coupling	A. F. Allan and J. A. Lenhoff	761,024	May 24	4893	1085	110	1139
Air-brake mechanism	J. R. Schrader	756,533	Apr. 5	669	144	109	1484
Air-brake mechanism	G. A. Brooks	759,858	May 17	2575	145	110	613
Air-brake mechanism. Compound	E. G. Shortt	756,005	Mar. 29	5558	1227	109	1282
Air-brake mechanism for cars. Automatic	W. H. Sauvage	769,818	Sept. 13	1347	288	112	323
Air-brake mechanism for railway-cars. Automatic	W. H. Sauvage	769,839	Sept. 13	1350	289	112	324
Air-brake-operating device	G. J. Berbert	753,114	Feb. 23	4456	990	108	2084
Air-brake-pipe-coupling	T. F. Lord	768,232	Aug. 23	4294	904	111	2046
Air-brake-pump lubricator	T. M. Henderson	748,731	Jan. 5	331	74	108	73
Air-brake. Railway	P. Jacobson	768,371	Aug. 23	4559	958	111	2105
Air-brake. Railway automatic	F. B. Flanders and C. J. Carlson	761,216	May 31	5234	1118	110	1239
Air-brake safety device	C. Truman	749,870	Jan. 19	2570	546	108	629
Air-brake safety device	C. Truman	749,810	Jan. 19	2571	546	108	610
Air-brake safety device	C. E. Cozzens	775,670	Nov. 22	4352	918	113	1086
Air-brake strainer attachment. Automatic	S. J. Ballance, A. and G. Uhlich	767,859	Aug. 16	3465	732	111	1844
Air-brake system	J. Lotius	762,177	June 7	1066	236	110	1670
Air-brake system	W. Williams	766,088	July 26	4377	939	111	992
Air-brake system for railway-trains	N. M. Tiffany	764,217	July 5	684	129	111	140
Air-brake systems. Supplemental auxiliary feed for	J. J. Jones and J. E. Swanstrom	749,612	Jan. 12	2161	452	108	505
Air-brake train-pipe-testing device	W. S. De Camp	758,427	Apr. 23	4433	933	109	2350
Air-brake. Vehicle	W. W. Walter	761,618	May 31	6019	1292	110	1408
Air-brakes. Automatic train-pipe coupling for	R. J. Weken	759,784	May 10	2413	505	110	563
Air-brakes. Device for automatically operating	T. H. Hillman	765,008	July 12	2257	466	111	509
Air-brakes in case of emergency. Device for automatically applying	C. Parker	778,142	Dec. 20	3333	731	113	2177
Air-brakes on steam-railway cars. Automatic device for setting	J. M. Vance and T. Lanahan	752,012	Feb. 9	2320	518	108	1573
Air-braking systems. Audible alarm for	J. H. Clark	754,847	Mar. 15	3272	713	109	749
Air compression and utilizing device	M. C. Wilkinson	767,027	Aug. 9	1830	385	111	1467
Air-compressor	C. S. Dean	753,787	Mar. 1	1107	251	109	239
Air-compressor	J. C. Williams	757,704	Apr. 19	2996	651	109	2015
Air-compressor	H. M. McCall	761,598	May 31	5971	1282	110	1397
Air-compressor	C. J. Diedrich and A. F. Cramer	764,182	July 5	541	110	111	119
Air-compressor	L. T. Pyott	764,630	July 12	1512	309	111	348
Air-compressor	J. S. Herriot	765,923	July 26	4050	866	111	922
Air-compressor	S. E. Alley	772,266	Oct. 11	2132	466	112	1435
Air-compressor and storage-tank. Combined	L. N. Wilfong, Jr.	755,556	Sept. 22	4442	1011	109	1040
Air-compressor. Automatic	J. Rogers	778,608	Dec. 27	4258	928	113	2398
Air-compressor governor	H. Saam	753,633	Mar. 1	791	176	109	173
Air-compressor. Hydraulic	W. O. Webber	748,898	Jan. 5	659	146	108	148
Air-compressor. Hydraulic	W. G. Cox	759,158	May 3	1121	227	110	253
Air-compressor. Hydraulic	J. H. Alexander	763,289	June 21	3216	693	110	2178
Air-compressor pressure control	E. H. Steedman	770,784	Sept. 27	3139	605	112	757
Air-compressor pressure control	E. H. Steedman	770,785	Sept. 27	3141	606	112	758
Air-compressor. Rotary	G. A. F. Ahlberg	761,933	June 7	638	128	110	1580
Air-compressor. Tide-actuated hydraulic	W. O. Webber	769,394	May 10	1545	310	110	872
Air-compressor unloading device	M. S. Fairhurst	757,301	Apr. 19	3375	729	109	2048
Air-compressors or similar devices. Automatic governor for	W. W. Hall	768,939	Aug. 30	5760	1210	111	2395
Air-cooler and filter	J. Jester	756,643	Apr. 5	846	183	109	1522
Air-cooling apparatus	C. Pesock	768,622	Aug. 30	5113	1075	111	2349
Air-cooling or heating apparatus	G. Epprecht	778,482	Dec. 27	4022	875	113	2312
Air-current governor	S. P. Smith	765,796	July 26	3827	816	111	872
Air-current motor for clocks or light machinery	J. O. F. Thoss	760,277	May 17	3378	712	110	794
Air-currents. Means for observing dust-laden	A. Lotz	769,018	Sept. 6	915	198	112	207
Air-cushion for vehicles	M. Bowyer	770,847	Sept. 27	3281	691	112	780
Air-engine	W. B. Pratt	768,691	Aug. 30	5266	1107	111	2381
Air-foreing mechanism	F. Paul, Jr.	776,932	Dec. 6	940	203	113	1633
Air-heater	J. Waterhouse	754,725	Mar. 15	3039	663	109	698
Air-heater	W. J. Perkins	764,004	July 5	173	30	111	42
Air-heating system	C. A. Vaughn	757,074	Apr. 12	1712	372	109	1232
Air-humidifying and cleansing apparatus	J. W. Fries	772,655	Oct. 18	2988	637	112	1623
Air-humidifying apparatus	I. S. McDougall	752,577	Feb. 16	3378	754	108	1227
Air into its constituents oxygen and nitrogen. Mechanism for separating liquid	H. Dumars	749,040	Jan. 5	979	207	108	238
Air-moistening apparatus	Q. N. Evans	772,347	Oct. 18	2905	506	112	1494
Air-moistening system	A. Clarkson	762,143	June 7	1014	211	110	1633
Air-motor	A. F. Larson	768,033	Aug. 23	3295	818	111	1957

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Air motor. Compressed.....	E. W. Schloemer.....	748,660	Jan. 5	205	49	108	45
Air-motor or windmill.....	A. M. Crunican.....	756,216	Apr. 5	43	11	109	1351
Air or gas compressor.....	J. Braunwalder.....	764,706	July 12	1665	389	111	380
Air or gases. Receptacle for storing compressed.....	M. Loewenstein and J. Stork.....	765,022	July 12	2281	475	111	514
Air or other gaseous bodies. Compressor for.....	H. C. Sergeant.....	754,901	Mar. 15	3358	734	109	767
Air-pressure elevator. Differential.....	G. F. Steedman.....	752,720	Feb. 23	3081	820	108	1911
Air-purifier.....	J. S. Macardle.....	757,475	Apr. 19	2529	554	109	1912
Air. Separating dust from dust-laden.....	W. E. Allington.....	771,691	Oct. 4	927	209	112	1157
Air-separator brush-holder.....	C. H. Lane.....	771,020	Sept. 27	3622	762	112	865
Air-shaft closure.....	M. Scholl and D. Gronfeld.....	771,670	Oct. 4	887	200	112	1149
Air-ship.....	D. Greuw and R. R. De Jong.....	758,062	Apr. 26	3717	807	109	2190
Air-ship.....	S. T. Best.....	762,273	June 14	1231	271	110	1735
Air-ship.....	J. D. McFarland, Jr.....	764,198	July 5	592	272	111	131
Air-ship.....	J. Berry. (Reissue).....	12,250	July 26	4541	971	111	1027
Air-ship propelling apparatus.....	T. C. Benbow.....	774,643	Nov. 8	2113	461	113	485
Air-tempering apparatus.....	A. V. Winegarden.....	764,512	July 5	1238	254	111	271
Air-trunk separator with air-replenishing device. Endless.....	J. and W. Titus.....	772,387	Oct. 18	2373	523	112	1510
Air-vent.....	E. R. Draver.....	770,272	Sept. 20	2164	450	112	523
Aisle-converting chair. Automatic.....	A. Roesch.....	764,822	July 12	1905	391	111	433
Alarm.....	H. J. Dohrer.....	761,823	June 7	426	86	110	1534
See Boiler-alarm. Locomotive-alarm.							
Burglar-alarm. Overflow-alarm.							
Burglar and fire alarm. Pyrotechnic signal-alarm.							
Burglar or fire alarm. Refrigerator drip-pan alarm.							
Door-alarm. Safe-alarm.							
Electric alarm. Safety-alarm.							
Electric time-alarm. Speed-indicating alarm.							
Fire-alarm. Tank-filling alarm.							
Fire and burglar alarm. Temperature-alarm.							
Heat-alarm. Thermo-electric alarm.							
High or low pressure signal-alarm. Vehicle-alarm.							
Alarm.....	D. N. Smith.....	772,480	Oct. 18	2576	567	112	1553
Alarm.....	D. B. Coates.....	778,010	Dec. 20	3075	676	113	2122
Alarm device.....	W. Friedberg.....	753,125	Mar. 22	3755	825	109	873
Alarm device.....	E. L. Fitch.....	763,386	June 28	3330	761	110	2268
Alarm device.....	G. M. Mayer.....	765,435	July 19	3077	644	111	702
Alarm device. Electrical.....	B. Menkin.....	751,193	Feb. 2	763	174	108	1220
Alarm device or indicator.....	W. Puckett.....	777,538	Dec. 13	2099	462	113	1905
Alarm for pneumatic feeders.....	T. J. Arnault.....	765,657	July 26	3531	744	111	813
Alarm-lock.....	O. Miller and P. Kunzinger.....	758,554	Apr. 26	4674	1008	109	2404
Alarm-lock.....	G. A. Moser.....	776,341	Nov. 29	5646	1196	113	1342
Alarm mechanism.....	A. T. Cunningham.....	760,526	May 24	3853	818	110	920
Alarm-signal.....	E. L. and G. Hall.....	762,821	June 14	2401	523	110	1977
Alarm system.....	J. W. Hasburg.....	753,136	Feb. 23	4492	1000	108	2032
Alarm system.....	F. McGloin.....	759,464	May 10	1737	363	110	427
Alarm-system apparatus.....	F. McGloin.....	764,199	July 5	595	118	111	132
Alarm system. Heat-actuated.....	C. E. Buell.....	761,198	May 31	5324	1109	110	1231
Album. Folding picture.....	A. O. Sodergren.....	778,282	Dec. 27	3618	789	113	2255
Album support. Photographic.....	G. Schwab.....	771,671	Oct. 4	889	200	112	1119
Albumen compounds. Making water-soluble.....	A. Busch.....	750,945	Feb. 2	314	.....	108	1127
Albuminous compounds. Making water-soluble.....	A. Busch.....	751,428	Feb. 2	1198	.....	108	1312
Alcohol and aldehyde. Making.....	H. S. Blackmore.....	774,824	Nov. 15	2317	541	113	596
Alcohol. Making.....	S. J. Vance.....	760,939	May 24	4697	.....	110	1098
Alcohol. Making sesquiterpene.....	M. Kerschbaum.....	753,978	Nov. 29	4968	.....	113	1187
Alcoholic liquors from empty casks or barrels. Removing.....	P. P. Pearce.....	765,148	July 12	2327	528	111	564
Alfalfa-creaser.....	M. Limbaugh.....	759,896	May 17	2638	552	110	627
Alkali chlorids. Apparatus for electrolytic decomposition of.....	J. J. Rink.....	748,965	Jan. 5	848	182	108	196
Alkali salts from insoluble combinations. Making and separating.....	H. S. Blackmore.....	772,206	Oct. 11	2208	.....	112	1406
Alkaline processes. Apparatus for mercurial.....	C. W. Roepper and W. E. Harmon.....	771,833	Oct. 11	1213	270	112	1234
Alkaline silicate solutions. Evaporating.....	C. Reim.....	760,563	May 24	3927	834	110	934
Alkoxy-coffee and making same.....	F. Ach.....	757,330	Apr. 12	2232	.....	109	1335
Alkyl esters of 8-diamido-benzoic acid and making same.....	E. Ritser and W. Epstein.....	761,998	June 7	755	.....	110	1603
Alloy.....	S. Knoppel.....	759,617	May 10	2103	.....	110	493
Alloy.....	C. H. Bierbaum.....	778,398	Dec. 27	3853	.....	113	2306
Alloy and its manufacture.....	R. B. Wheatley.....	766,985	July 26	4373	.....	111	941
Alloy. Metallurgical.....	C. A. Meadows.....	767,160	Aug. 9	2125	442	111	1530
Alloy. Steel.....	C. E. Manby.....	771,559	Oct. 4	679	.....	112	1103
Alloys. Electrical manufacture of iron.....	G. Gin.....	758,875	Mar. 8	1319	297	109	304
Alloys. Making.....	R. S. Anderson.....	773,450	Oct. 25	4675	.....	112	2035
Alloys of copper and iron. Manufacturing.....	J. D. Darling.....	755,461	Mar. 22	4385	.....	109	1005
Alpha-cyananthraquinone. Making.....	R. E. Schmidt and P. Tust.....	755,391	Mar. 29	5056	.....	109	1170
Alternator. Inductor.....	L. J. Le Pontois.....	752,091	Feb. 23	3631	808	108	1900
Alternator. Polyphase magnetoelectric.....	L. J. Le Pontois.....	752,092	Feb. 23	3633	809	108	1900
Alternator safety coupling device.....	E. S. Baker and H. A. Scott.....	774,974	Nov. 15	2830	603	113	669
Altiscope for submarine boats.....	L. Y. Spear.....	749,754	Jan. 19	2471	526	108	588

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Altiscope or the like	L. Y. Spear	749,755	Jan. 19	2472	527	108	588
Altiscope or the like	L. Y. Spear	751,569	Feb. 9	1455	330	108	1387
Altiscopes, &c. Means for clearing the optical parts of	C. H. Bedell and T. S. Bailey	767,624	Aug. 16	3025	632	111	1748
Aluminium. Electrolytic manufacture of	G. Gin	763,479	June 28	3707	800	110	2306
Aluminium. Manufacture of	W. Rübel	770,389	Sept. 20	2389	—	112	575
Aluminium, &c. Reducing	H. S. Blackmore	775,060	Nov. 15	2994	637	113	709
Aluminium, &c. Reducing	H. S. Blackmore	778,100	Dec. 20	3248	—	113	2158
Aluminium sulfate. Making	H. Spence	754,824	Mar. 15	3215	—	109	737
Aluminium sulfate. Preparing	H. F. D. Schwahn	752,927	Feb. 23	4101	—	108	2405
Aluminium sulfid and alloys. Manufacture of	M. Onda	760,554	May 24	3910	831	110	931
Amalgamating-machine	F. J. Hoyt	770,280	Sept. 20	2211	461	112	533
Amalgamating-machine	F. J. Hoyt	770,290	Sept. 20	2212	461	112	534
Amalgamating-machine	G. C. Scott	773,266	Oct. 25	4295	908	112	1954
Amalgamator	R. P. Hall	751,911	Feb. 9	2106	475	108	1528
Amalgamator	P. J. Nelson	752,246	Feb. 16	2738	607	108	1687
Amalgamator	W. E. Vandenburg	767,365	Aug. 9	2491	521	111	1610
Amalgamator	E. P. Wilkins	777,233	Dec. 13	1513	335	113	1778
Amalgamator and concentrator	J. B. Rossman	750,224	Jan. 19	3341	793	108	774
Amalgamator and concentrator	K. Lanius	755,290	Mar. 22	3947	874	109	912
Amalgamator. Dry-sand	F. J. Hoyt	767,276	Aug. 9	2335	488	111	1576
Amber or ambroid. Article made from	E. L. Gaylord	760,193	May 17	3223	678	110	761
Amber or ambroid. Molding articles from	E. L. Gaylord	760,191	May 17	3228	677	110	760
Amber or ambroid. Strengthening and ornamenting articles molded from	E. L. Gaylord	760,192	May 17	3231	678	110	761
Ammonia from distillation-gases. Extracting	R. Bruck	773,784	Nov. 1	473	104	113	111
Ammonia. Making	A. Frank	772,114	Nov. 20	5580	—	113	1328
Ammonia-water apparatus	H. A. Abendroth	771,031	Sept. 27	3643	767	112	869
Ammonium formate. Manufacturing	H. Pauling	776,543	Dec. 6	149	—	113	1458
Ammonium nitrate. Making	W. Mills	734,668	Mar. 15	2916	—	109	609
Ammonium nitrate. Producing	E. Naumann	764,251	July 5	690	—	111	153
Ammonium sulfate. Saturating apparatus for recovering	K. Zimpell	772,390	Oct. 18	2385	524	112	1312
Ammunition	C. Petersen	762,084	June 7	903	186	110	1633
Ammunition-hoist	S. W. A. Noble	756,272	Apr. 5	157	32	109	1376
Ammunition-hoist	J. F. Metten	765,672	July 26	3556	751	111	819
Ammunition-hoist	L. D. Lovekin, P. M. Young, and H. Krapp.	776,667	Dec. 6	399	87 88 89 90	113	1517
Ammunition-jacket	J. W. Righton	775,149	Nov. 15	3188	680 681	113	731
Ammunition-wagon or limber	W. Mayer	777,297	Dec. 13	1625	360 361	113	1802
Ammunition-wagon or limber	W. Mayer	777,298	Dec. 13	1626	361	113	1803
Amusement and advertising device	M. W. Beemer	749,657	Jan. 12	2253	475	108	533
Amusement apparatus	A. F. Mueller	749,941	Jan. 19	2827	603 604	108	666
Amusement apparatus	L. A. Thompson	753,449	Mar. 1	428	101	109	93
Amusement apparatus	W. S. Reed	754,098	Mar. 15	2983	650	109	685
Amusement apparatus	G. H. Du Clos	757,286	Apr. 12	2134	466	109	1813
Amusement apparatus	H. G. Traver and C. W. Nichols	758,341	Apr. 26	4265	916	109	2312
Amusement apparatus	A. F. Mueller	760,469	May 24	3742	793	110	893
Amusement apparatus	W. S. Tothill	762,959	June 21	2682	581	110	2059
Amusement apparatus	T. W. Eck	764,800	July 12	1853	381	111	421
Amusement apparatus	H. N. Ridgway	768,303	Aug. 23	4429	931	111	2077
Amusement apparatus	C. V. Johnson	770,071	Sept. 13	1759	372	112	414
Amusement apparatus	J. H. Maguire	774,917	Nov. 15	2712	582	113	640
Amusement apparatus	H. A. Shales	767,807	Dec. 6	693	132	113	1579
Amusement bath and swimming-school. Hygienic.	C. P. Randolph	767,124	Aug. 9	2040	424 425	111	1513
Amusement device	A. G. Hammell	752,450	Feb. 16	3146	700	108	1775
Amusement device	W. C. Parsells	753,098	Feb. 23	4430	985	108	2079
Amusement device	A. L. Webster and J. E. H. Hyde	762,566	June 14	1888	406	110	1867
Amusement device	H. Pfeiffer	764,675	July 12	1610	329	111	369
Amusement device	W. J. Keefe	767,281	Aug. 9	2340	490	111	1577
Amusement device	C. B. McKay	778,325	Dec. 27	3690	805	113	2371
Amusement device. Coin-operated	A. Martindell	770,299	Sept. 20	2233	469	112	539
Anchor	W. Hector	753,394	Mar. 1	322	73	109	72
Anchor	C. E. Irons	756,640	Apr. 5	843	182 183	109	1521
Anchor	C. Mitchell	762,242	June 7	1192	256	110	1699
Anchor	G. D. Carson	766,100	July 26	4403	942	111	997
Anchor. Earth-	W. H. Miller	774,687	Nov. 8	2193	479	113	502
Anchor. Ground-	G. Hall	762,710	June 14	2180	474	110	1929
Anchor. Ground-	R. H. Polk	762,842	June 14	2452	531	110	1988
Anchor. Ground-	W. W. Swan	768,705	Aug. 30	3293	533	111	2958
Anchor. Ground-	S. P. Hick	769,083	Aug. 30	6036	1264	111	2454
Anchor. Guy	R. H. Polk	762,348	June 14	1419	306 307	110	1766
Anchor. Land-	C. W. Justus	736,374	Apr. 5	376	77	109	1424
Anchor. Land-	A. Castelin	763,258	June 21	3250	701 702	110	2186
Anchor. Mooring	M. Shepard and T. S. Wimpenny	759,759	May 10	2966	493	110	551
Anemometer. Recording	H. A. Hunt	751,514	Feb. 9	1943	306	108	1363
Anesthetic-administering apparatus	A. G. V. Harcourt	759,369	May 10	1628	329	110	389
Angle-indicator	R. L. Turner	749,976	Jan. 19	2883	617	108	677

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Angle-iron-bending machine	G. L. Vogel and A. Finck	761,429	May 31	5681	1209	110	1333
Angle-meter	L. T. Moffett and F. W. Duenckel	769,926	Sept. 6	168	41	112	37
Angle-strip	I. Gidley	751,373	Feb. 2	950	215	108	1239
Anglers' artificial flies. Apparatus for storing or carrying	G. A. Pickard	753,009	Mar. 1	174	39	109	40
Angling device	A. F. Bingenheimer	764,171	July 5	532	103	111	115
Animal catcher and holder	J. L. Hauer	753,008	Feb. 23	4380	974	108	2038
Animal-cleaning machine	W. Woertink	753,448	Apr. 5	531	108	109	1454
Animal-destroying means	B. Parker	768,620	Aug. 30	5111	1074	111	2249
Animal-exterminator	J. O. Johnson	762,637	June 14	2020	437	110	1895
Animal heat-protector	F. K. Walther	750,555	Jan. 26	3877	841	108	912
Animal-holder	E. Hefflin	773,738	Nov. 1	390	86	113	92
Animal-leader	E. O. Seibert	755,350	Mar. 22	3988	885	109	920
Animal or fish trap	A. E. Daniel	752,527	Feb. 16	3281	732	108	1804
Animal-shears	C. W. Manlove	769,552	Sept. 6	807	173	112	182
Animal-subduing device	A. W. Van Loghem	761,926	June 7	627	126	110	1578
Animal-trap	M. Laramie	750,661	Jan. 26	4157	808	108	967
Animal-trap	J. C. Hammer	752,672	Feb. 23	3939	869	108	1861
Animal-trap	C. G. Hawkins	757,088	Apr. 12	1663	360	109	1712
Animal-trap	M. C. Harlan	757,401	Apr. 12	2379	518	109	1865
Animal-trap	J. B. Harig	758,208	Apr. 26	3981	864	109	2250
Animal-trap	A. E. Huguley	760,738	May 24	4308	915	113	1016
Animal-trap	L. D. Mouser	762,185	June 7	1083	225	110	1674
Animal-trap	W. Walton	764,085	July 5	352	68	111	77
Animal-trap	B. De Mockler	764,432	July 5	1065	218	111	237
Animal-trap	F. H. Crago	765,818	July 26	3805	822	111	880
Animal-trap	G. J. Miller	768,392	Aug. 23	4411	927	111	2073
Animal-trap	J. J. Smith	768,406	Aug. 23	4528	975	111	1730
Animal-trap	H. J. Gaedtker	768,936	Aug. 30	5755	1209	111	2394
Animal-trap	J. H. Morris	771,383	Oct. 4	319	71	112	1028
Animal-trap	F. B. Roscow	773,767	Nov. 1	442	98	113	104
Animal-trap	S. S. Elder	774,164	Nov. 8	1233	203	113	295
Animal-trap	J. R. Emery	774,165	Nov. 8	1234	204	113	296
Animal-trap	J. M. Wilkinson	774,628	Nov. 8	2085	454	113	478
Animal-trap	J. W. Collins	775,264	Nov. 15	3468	732	113	823
Animal-trap	W. H. Harden	775,750	Nov. 22	4496	953	113	1067
Animal-trap	G. W. King	777,109	Dec. 13	1201	284	113	1730
Animal-trap	E. Williams	777,461	Dec. 13	1946	430	113	1874
Animal-trap	L. M. Steelsmith	778,429	Dec. 27	3911	852	113	2319
Animal-trap	J. Kerns	778,675	Dec. 27	4378	956	113	2421
Animal-trap	J. W. Gates	778,777	Dec. 27	4551	998	113	2462
Animal-trap. Self-setting and ever-set	L. H. Simon	755,481	Apr. 26	4524	972	109	2370
Animal-trough	H. L. Stoner	752,427	Feb. 16	3110	690	108	1767
Animals for taking death leaps. Throwing	E. Wulfr	774,017	Nov. 1	960	199	113	218
Animals from lolling their tongues. Device for curing	J. M. Berry	771,226	Oct. 4	12	3	112	963
Ankle-brace	H. Lucke	765,024	July 12	2283	475	111	515
Ankle-joint	J. A. McKnight	750,884	Feb. 2	303	46	108	1102
Annealing and tempering forms of metal	E. P. Reichhelm	762,654	June 14	2050	444	110	1903
Annealing apparatus	E. A. Uehling	760,825	May 24	4484	954	110	1033
Annealing steel	C. D. Davis	759,629	Mar. 23	4701	973	109	1089
Announcing-machine	G. A. Moore	764,748	July 12	1748	356	111	398
Annulus	L. N. D. Williams	766,125	July 26	4446	963	111	1009
Annunciator	L. Schmidt	750,309	Jan. 26	3507	758	108	890
Annunciator	F. H. Elwell	756,608	Apr. 5	791	132	109	1510
Annunciator	D. H. Marshall	775,995	May 3	817	165	111	183
Annunciator	P. O'Connor	765,097	July 12	2308	479	111	516
Annunciator	T. W. Gleeson	771,142	Sept. 27	3863	815	112	918
Annunciator. Electrical	A. Carliss	756,777	Apr. 5	1117	246	109	1382
Anode and making same	H. Blackman	762,227	June 7	1161	249	110	1692
Anthracene derivative and making same	R. Bohn	753,659	Mar. 1	816	109	184	
Anthraxin. Making	R. E. Schmidt and P. Tust	765,201	July 19	2615	511	111	602
Antifriction end-thrust device	S. S. Eveland	755,287	Mar. 22	4051	898	109	934
Antiseptic attachment for telephone-mouthpieces	W. M. English and A. H. Ten Broeck	754,057	Mar. 8	1672	371	109	385
Antiseptic attachment for telephone-mouthpieces	J. Freel	762,039	June 27	4382	915	112	1963
Antiseptic attachment for telephone-mouthpieces	C. E. Stene	750,286	Oct. 5	4382	915	112	1963
Antiseptic attachment. Telephone	H. L. Thompson	757,850	Apr. 19	3279	710	109	2076
Antiseptic compound	A. M. Clover	768,561	Aug. 23	4964	111	2198	
Antiseptic compound	A. M. Clover	768,563	Aug. 23	4965	111	2198	
Antiseptic compound and making same	H. Endemann	770,275	Sept. 20	3710	723	112	534
Antiseptic telephone-mouthpiece	W. M. English and A. H. Ten Broeck	754,046	Mar. 15	2876	628	109	660
Anvil	C. W. Moser	765,557	July 19	3371	710	111	764
Anvil attachment. Farrier's	G. H. Yahraus	774,128	Nov. 1	1170	250	113	265
Apartment construction	W. C. James	771,154	Sept. 27	3886	819	112	923
Apartment-house	W. C. James	756,371	Apr. 5	364	75	109	1421
Apparel-attached pipe	I. C. Clark	761,148	May 31	5137	1091	110	1212
Apparel. Combination wearing	A. H. Dessart	770,562	Sept. 20	2718	575	112	647
Apparel-hanger	C. Easton	766,026	July 26	4258	910	111	366
Apparel-pad	E. L. Kraft and C. P. Young	751,302	Feb. 2	908	226	108	1270
Apparel. Wearing	E. G. Runyan	749,228	Jan. 12	1890	297	108	339
Apparel. Wearing	S. A. Althoeimer	754,734	Mar. 15	3054	666	109	702
Apparel. Wearing	A. Siminoff	758,940	May 8	724	144	110	169
Apparel. Wearing	M. A. J. Driscoll	767,803	Aug. 16	3340	706	111	1818
Apparel. Wearing	A. Fischer	774,344	Nov. 8	1566	335	113	369
Apparel. Wearing	J. Rathschuler	774,452	Nov. 8	1749	377	113	408
Applicator	E. E. Tope	763,081	June 21	2909	627	110	2110
Applicator	X. Pene	772,176	Oct. 11	1945	430	112	1389
Apron. Storm	G. A. Hughes	757,749	Apr. 19	3089	673	108	2494
Arbor	F. Barber	750,073	Jan. 19	3084	663	108	718
Arbor-press	E. E. Bartlett	773,912	Nov. 1	767	160	113	176

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Arbors. Mechanism for attaching end plates to...	T. H. Simpson and E. L. Nelson.....	750,221	Jan. 19	3268	727	108	781
Arc-extinguishing means.....	R. E. Hallmund.....	766,187	Aug. 2	84	111	1055	
Arc-light distributor.....	H. J. Palmer.....	772,745	Oct. 18	3103	676	112	1666
Arc-light systems. Regulator for alternating series of	J. H. Hallberg.....	766,824	Aug. 9	1448	301	111	1382
Arc-preventer.....	C. E. Blood.....	751,830	Feb. 9	1951	443	108	1491
Arms. Means for counteracting.....	R. E. Hallmund.....	776,059	Nov. 29	5114	1082	103	1221
Arch-abutment.....	M. Möller.....	776,252	Nov. 29	5493	1163	113	1308
Arch construction.....	G. L. Junge.....	773,149	Oct. 25	4043	857	112	1898
Arch construction. Concrete.....	W. C. Parnley.....	764,302	July 5	786	161	111	174
Arch construction. Concrete.....	W. C. Parnley.....	764,303	July 5	787	161	111	174
Arch-plate and shield. Combined.....	F. Johnson.....	762,417	Sept. 14	1558	342	110	1737
Arcofactor.....	A. P. Stokes.....	773,299	Oct. 25	4356	920	112	1968
Arm. Artificial.....	J. V. Bennett.....	767,201	Aug. 9	2202	459	111	1547
Arm-rest.....	A. B. Peck.....	755,040	Mar. 22	3617	793	109	842
Arm-rest for books, &c.....	A. E. Van Camp.....	766,402	Aug. 2	520	110	111	1154
Armature.....	J. Burke.....	768,843	Aug. 30	5569	1169	111	2350
Armature-truck.....	J. T. Hines.....	772,883	Oct. 18	3360	731	112	1723
Armature-winding.....	J. F. McElroy.....	753,422	Mar. 1	383	89, 9c	109	83
Armature-winding.....	F. A. Merrick.....	759,900	May 17	2643	554	110	628
Armature winding or coil.....	F. A. Merrick.....	755,029	Mar. 22	3557	780	109	837
Armor-shield.....	B. Behr.....	774,303	Nov. 8	1486	319	113	352
Article-attacher.....	A. Roumiguere.....	757,239	Apr. 12	2020	439	110	621
Article-carrier.....	J. L. Green.....	759,878	May 17	2610	546	110	621
Article of manufacture and making same.....	A. H. Stuart.....	777,266	Dec. 13	1570	350	113	1790
Artillery. Naval or military.....	W. S. Bucklin.....	766,167	Aug. 2	194	111	1047	
Artist's sketching-box.....	G. C. Topp.....	770,201	Oct. 13	2011	424	112	468
Asbestos millboards, slates, plates, or tiles. Manu-	J. Myers.....	771,995	Oct. 11	1559	350	112	1306
facturing or producing.....	T. H. Ibotson and R. Meldrum.....	769,087	Aug. 30	6048	111	2458	
Aseptic cartridge, &c.....	W. H. Ranz.....	774,779	Nov. 15	2427	523	113	578
Aseptic-napkin receptacle.....	A. A. H. Haner.....	764,188	July 2	352	109	111	112
Ash-can.....	J. H. Chidister.....	775,894	Nov. 22	4765	1009	113	1123
Ash-door.....	E. C. Cole.....	752,522	Feb. 16	3273	730	108	1803
Ash-pan.....	O. Link and A. Schnedler.....	751,920	Feb. 9	2143	484	108	1535
Ash-pans. Automatic sprinkler for.....	E. M. Thompson.....	759,203	May 3	1234	249	110	263
Ash-separator.....	J. Jackson.....	769,165	Sept. 6	49	112	112	13
Ashes. Apparatus for separating coal and coke from	C. N. Paver.....	763,016	June 21	2779	602	110	2081
Ashes or garbage receptacle.....	M. A. Donohue.....	760,434	May 24	3666	776	110	875
Asphalt-cutting device.....	T. F. Moran.....	755,157	Mar. 22	3313	843	109	850
Asphalt-treating apparatus.....	B. S. Truxal.....	778,558	Dec. 27	4151	905	113	2371
Assay-button dropper.....	E. Keller, A. Ferrell, and K. W. McComas.....	777,421	Dec. 13	1872	413	113	1857
Assembling, forming, and setting mechanism.....	W. P. Devine.....	756,837	Apr. 12	1244	278	109	1626
Astronomical apparatus.....	F. H. Mackenzie.....	776,220	Jan. 26	3414	739	108	868
Astronomical apparatus or planetarium.....	U. G. Houston.....	770,370	Sept. 20	2335	497	112	567
Asynchronous motor.....	P. Jigouzo.....	765,078	July 12	2399	499	111	537
Atmospheres. Apparatus for supplying various.....	O. E. Boggs.....	750,155	Jan. 19	3221	694	108	748
Atomizer.....	F. B. Comins.....	750,521	Jan. 26	3414	739	108	868
Atomizer.....	F. V. Braymer.....	752,529	Feb. 16	3283	732	108	1805
Atomizer.....	A. S. Dixon.....	756,161	Mar. 29	5731	1266	109	1319
Atomizer.....	J. P. Farmer.....	757,157	Apr. 12	1894	413	109	1768
Atomizer.....	C. L. Turner.....	757,200	Apr. 12	1979	430	109	1780
Atomizer.....	S. Kettle.....	760,177	May 17	3205	572	110	735
Atomizer.....	I. Q. Gurnee.....	769,741	Sept. 13	1149	247	112	278
Atomizer.....	G. F. Hawley.....	772,802	Oct. 18	3202	697	112	1687
Atomizer. Coin-controlled.....	W. C. Meyer.....	749,874	Jan. 19	2684	574	108	635
Attaching and detaching device.....	N. B. Clarkson.....	762,278	June 14	1377	275	110	1738
Attaching and detaching device.....	W. A. Alexander.....	763,453	June 28	3667	790	110	2299
Attenuating device.....	M. H. Shoenberg.....	750,038	Jan. 19	3006	644	108	703
Attrition-disks and the product thereof. Manu-	J. C. Graft.....	750,639	Jan. 26	4120	894	108	960
facturing.....							
Audiphone.....	C. J. Massinger.....	763,414	June 28	3602	776	110	2283
Audiphone-receiver.....	H. G. Pape.....	752,705	Feb. 23	3653	813	108	1905
Audiphone-receiver.....	H. G. Pape.....	752,921	Feb. 23	4087	911	108	2002
Auger.....	J. H. Scaife.....	755,394	Mar. 22	4271	943	109	982
Auger.....	R. B. Palmer.....	762,750	June 14	2252	491	110	1943
Auger.....	A. A. Stanger.....	770,489	Sept. 20	2553	544	112	609
Auger. Adjustable earth.....	G. Stevenson.....	774,368	Oct. 13	2161	344	113	377
Auger-bit.....	N. Sperry.....	762,099	June 7	931	193	110	1639
Auger. Earth.....	N. Erziz.....	768,117	Aug. 23	4076	858	111	2000
Auger. Earth and rock.....	E. Gerry.....	773,562	Nov. 1	55	11, 12	113	16
Auger for erecting telegraph or telephone poles. Earth.....	W. Parker.....	762,490	June 14	1719	369	110	1830
Auger or drill for boring rock, &c.....	E. Cachelin.....	774,933	Nov. 15	2745	588	113	640
Auger. Post-hole.....	J. B. Driskill.....	774,051	Nov. 1	8323	221	113	233
Auger. Post-hole.....	S. G. Glens and C. E. Gridley.....	776,903	Dec. 6	883	191	113	1621
Auger. Tubular.....	G. D. and J. H. Shaul.....	754,550	Mar. 8	2206	492	109	498
Auger-twisting machine.....	I. Wantling.....	771,368	Dec. 13	2161	344	113	377
Aurora borealis. Projecting imitations of the.....	J. Menchen.....	770,766	Sept. 27	3101	658	112	749
Autocarp.....	W. H. Brown.....	775,595	Nov. 22	4197	884	113	1003
Autocarp sliding chord-bar.....	E. E. Cruger.....	757,890	Apr. 19	3357	725	109	2094
Autographic register.....	D. Ford.....	753,867	Mar. 8	1306	294	109	302
Autographic register.....	E. J. Barker.....	761,436	May 31	5694	1215	110	1355
Autographic register.....	E. J. Barker.....	764,080	July 5	236	43	111	55
Autographic register.....	A. Krauth.....	766,265	Aug. 2	260	50	111	1098
Autographic register.....	A. Krauth.....	766,266	Aug. 2	262	50, 51	111	1098
Autographic register.....	A. Krauth.....	766,267	Aug. 2	264	51	111	1099
Automatic brake.....	A. Krauth.....	766,268	Aug. 2	266	51	111	1099
Automatic brake.....	D. L. Ainsley.....	754,184	Mar. 8	1903	424	109	456
Automatic brake.....	S. C. Burson.....	759,666	May 10	2197	452	110	513

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Automatic brake	L. F. Weebur	760,940	May 24	4698	1001	110	1098
Automatic brake	M. A. Fillmore	774,913	Nov. 15	2707	581	113	639
Automatic brake, Adjustable	M. P. Carpenter	764,038	July 5	246	45	111	57
Automatic coupling	J. L. Crisler	752,759	Feb. 23	3745	836	108	1925
Automatic coupling	E. F. Brickell	765,442	Mar. 22	4348	963	109	997
Automatic coupling	T. W. Lukens and B. Hughes	763,771	June 28	4249	926	110	2423
Automatic coupling and buffer	J. Thomas	752,605	Feb. 16	3450	770	108	1843
Automatic dropper	W. Obermeir	753,907	Mar. 8	1388	313	109	320
Automatic dry covered seat.	F. E. Nelhams and G. A. Lloyd	768,678	Aug. 30	5337	1100	111	2275
Automatic gage	C. H. Tidey	751,151	Feb. 2	617	143	108	1192
Automatic gate	J. Ashon	755,834	Mar. 29	5117	1134	109	1184
Automatic gate	T. I. Duffy	756,751	Apr. 5	1128	248	109	1584
Automatic gate	R. Bolinger	760,950	May 24	4719	1005	110	1103
Automatic gate	M. K. Lewis	775,756	Nov. 22	4509	956	113	1070
Automatic lubricator	V. W. Radcliff	778,705	Dec. 27	4421	908	113	2431
Automatic lubricator	J. Snowdon	768,958	Aug. 30	5797	1218	111	2403
Automatic lubricator	J. Farley	775,673	Nov. 22	4359	919	113	1037
Automatic lubricator	M. P. Elgen	776,308	Nov. 29	5578	1182	113	1327
Automatic lubricator	J. Meehan	777,120	Dec. 13	1316	291	113	1735
Automatic or self-acting gate	J. DeLaunay and E. Vasquez	751,897	Feb. 9	1964	446	108	1494
Automatic regulator	T. E. Hunt	765,498	July 19	3055	640	111	697
Automatic regulator	W. S. Moody	770,017	Sept. 13	1676	356	112	396
Automatic safety-switch	E. L. Pence	777,430	Dec. 13	1580	447	113	1860
Automatic signal	T. F. Keating	763,613	June 28	3940	857	110	2355
Automatic sprinkler	C. B. Garrett	758,522	Apr. 26	4614	994	109	2391
Automatic supply-regulator	E. H. Gold	758,437	Apr. 26	4455	958	109	2355
Automatic switch	M. Moskowitz	751,745	Feb. 9	1777	404	108	1453
Automatic switch	S. C. Tussing	756,081	Mar. 29	5581	1232	109	1287
Automatic switch	W. D. Simpson	767,176	Aug. 9	2153	447	111	1536
Automatic switch	C. H. Stanley	772,066	Oct. 11	1717	383	112	1342
Automatic switch	E. H. Saunders	776,333	Nov. 29	5671	1200	113	1349
Automatic trap	T. E. Castleberry	773,712	Nov. 1	347	77	113	82
Automobile	P. J. Collins	748,930	Jan. 5	724	157	108	164
Automobile	E. W. Wickey	751,235	Feb. 2	859	196	108	1240
Automobile	L. B. Gaylor	756,619	Apr. 5	812	175	109	1514
Automobile	C. C. Rlotte	758,695	May 3	176	97	110	42
Automobile	F. A. Gardner	759,091	May 3	996	203	110	226
Automobile	F. E. Grout	761,295	May 31	5430	1154	110	1274
Automobile	L. Lacom	763,494	June 28	3731	894	110	2311
Automobile	C. W. Van Winkle	764,646	July 12	1547	316	111	354
Automobile	E. J. Jenness	767,152	Aug. 9	2101	439	111	1526
Automobile	J. E. Kelly	768,857	Aug. 30	5596	1175	111	2356
Automobile	H. Nyberg	771,565	Oct. 4	689	153	112	1066
Automobile	A. S. Krotz	773,575	Nov. 1	86	17, 18	113	25
Automobile	F. B. Brown	774,556	Nov. 8	1957	425	113	452
Automobile	S. C. Rockman	775,150	Nov. 15	3190	681	113	751
Automobile	V. Link	777,964	Dec. 20	2992	656	113	2106
Automobile attachment	J. B. Mott	775,224	Nov. 15	3358	715	113	790
Automobile-brake	W. M. Paul	748,646	Jan. 5	182	44	108	41
Automobile-brake	C. M. Rhodes	757,959	Aug. 16	3661	773	111	1896
Automobile circulating system	H. C. Osborn	752,856	Feb. 23	3396	883	108	1966
Automobile-climber	S. E. Burke	761,873	June 7	531	105	110	1559
Automobile-controller	A. C. Stewart	767,127	Aug. 9	2048	426	111	1515
Automobile controlling mechanism	F. H. Bogart	767,637	Dec. 27	4906	998	113	2462
Automobile door and seat lock mechanism	E. L. Egermayer	776,015	Nov. 29	5038	1063	113	1204
Automobile driving-gear	G. C. Cannon	775,293	Nov. 15	3408	718	113	809
Automobile driving-gear	P. Steinhauer	770,561	Dec. 6	190	42, 43	113	1470
Automobile driving mechanism	H. B. Maxwell	764,063	July 5	294	57	111	67
Automobile, Electrical	T. A. Edison	750,102	Jan. 19	3132	672	108	729
Automobile-engines. Means for cooling	J. C. Anderson	763,949	July 5	2	1	111	3
Automobile-fender	A. Miesse	758,014	Apr. 19	3601	779	109	2148
Automobile flue-shield and lamp-support combined.	L. C. Savale	749,452	Jan. 12	1866	398	108	488
Automobile-frame	A. A. and L. H. Martell	761,690	July 7	137	24, 25	110	1463
Automobile-frame	F. W. Darnstaedt	773,480	Oct. 25	4733	999	112	2046
Automobile gear and brake mechanism	W. H. Kemper	761,889	June 7	560	111	110	1565
Automobile headlight-cover	H. S. Tompkins	775,999	Nov. 29	5010	1036	113	1198
Automobile lifting device	W. S. Kessler	754,771	Mar. 15	2728	594	109	630
Automobile-motors. Means for cooling internal-combustion	J. H. Jones and F. H. Bogart	764,893	July 12	2044	422	111	463
Automobile mud-guard	F. Behre and E. C. Lauyer, Jr.	768,723	Aug. 30	5324	1121	111	2295
Automobile-pumps from freezing. Means for preventing	H. Lempp	761,774	June 7	582	65	110	1511
Automobile runner attachment	W. H. Anderson	756,556	Apr. 5	706	153	109	1492
Automobile self-locking steering-gear	R. O. Stutsman	764,161	July 5	507	99	111	112
Automobile sled	F. Walter	778,159	Dec. 20	3362	708	113	2184
Automobile sleigh	F. A. Hartom	760,438	Sept. 6	634	128	112	128
Automobile-spring	L. A. Hill	776,513	Dec. 6	74	18	113	1441
Automobile, &c., spring	J. W. Nesmith	778,460	Dec. 27	3989	866	113	2334
Automobile, Steam	R. H. White	768,320	Aug. 23	4462	957	111	2083
Automobile steering apparatus	H. E. Hoenig and W. A. McCullough	768,537	Aug. 23	4886	1024	111	2182
Automobile steering device	F. A. Gardner	759,090	May 3	994	202	110	226
Automobile steering-gear	W. L. Marr	756,670	Apr. 5	911	199	109	1538
Automobile steering mechanism	F. H. Bogart	778,626	Dec. 27	4295	938	113	2401

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Automobile steering-wheel	H. Goerss	761,827	June 7	435	88	110	1536
Automobile stepper attachment	H. M. Landes	777,260	Dec. 13	1560	347	113	1788
Automobile throttle and steering-lever	C. W. Meyer	772,949	Oct. 25	3498	112	1770	
Automobile transmission-gear	W. Simkins	775,941	Nov. 29	4877	1032	113	1166
Automobiles or the like. Speed-controlling mechanism for	C. C. Riotte	749,580	Jan. 12	2109	439	108	494
Automobiles. Propulsion of electric	J. W. Aylsworth	757,715	Apr. 19	3012	654	109	2019
Automobiles, &c. Speed-controlling mechanism for	R. H. Hassler	776,134	Nov. 29	5257	1111	113	1254
Automobiles. Supporting and shifting battery for	A. H. Whiting	778,560	Dec. 27	4155	906	113	2372
Autosled	C. Crisman	766,672	Aug. 2	1102	228	111	1287
Awl. Pocket sewing	W. C. Weiss	763,232	June 21	3819	691	110	2177
Awl. Sewing	Davidson	755,628	Mar. 29	4699	1045	109	1088
Awl. Sewing	T. O'Shaughnessy	751,334	Feb. 2	1045	237	108	1280
Awning	A. M. Parker	778,066	Dec. 20	3188	701	113	2145
Awning	W. Astrup	756,454	Apr. 5	531	111	109	1456
Awning	R. Lane	764,245	July 5	678	138	111	151
Awning	C. A. and W. E. Metzger	764,397	July 12	2652	24	111	465
Awning-cover. Automatic	W. R. Mudd	758,016	Apr. 19	3604	780	109	2149
Awning-fastener	J. W. Stevenson	750,070	Jan. 19	3073	660	108	716
Awning-fixture	A. De Simone	766,937	Aug. 9	1678	352	111	1434
Awning-frame coupling	A. D. Campbell	749,421	Jan. 12	1784	370	108	422
Awning-locking device	O. H. Cloyd	773,311	Oct. 25	4978	925	112	1971
Awning-roller	C. H. Newell	748,641	Jan. 5	170	41	108	38
Awning-roller chain-box	S. M. Hauser	774,841	Nov. 15	2562	551	113	606
Awning. Window	J. T. Johnson	770,499	Sept. 20	2596	550	112	620
Awnings. Means for operating roller	A. L. Clark	767,389	Aug. 16	2538	534	111	1637
Ax	J. E. Leathers	755,891	Mar. 29	5232	1157	109	1211
Ax-handle-straightening apparatus	C. E. Fuller	776,734	Dec. 6	549	120	113	1548
Ax-head	S. D. Sullivan	768,490	Aug. 23	4816	1009	111	2166
Ax-head with removable bit	W. Hatcher	766,944	Aug. 9	1694	355	111	1438
Axes. Machine for removing scales from	L. L. Glicks	764,577	July 12	1367	285	111	322
Axle	E. P. Alexander	778,525	Dec. 27	4098	893	113	2360
Axle	W. F. Wilcox	753,816	Mar. 1	1204	270	109	258
Axle	J. H. Entekin	757,444	Apr. 19	2466	539	109	1899
Axle adjustment for automobiles. Driving	C. P. Clark	777,243	Dec. 13	1528	339	113	1781
Axle. Automobile-vehicle	T. J. Lindsay	750,857	Feb. 2	161	38	108	1063
Axle, axletree, or the like. Crank	W. S. Morgan	778,791	Dec. 27	4592	1003	113	2469
Axle box and spindle	C. H. T. Brink	778,169	Dec. 20	3577	742	113	2187
Axle box. Car	G. Martien	750,292	Jan. 26	3473	752	108	823
Axle box. Car	J. Spurr	758,483	Apr. 26	4327	973	109	2371
Axle box. Car	E. Denegre	762,152	June 7	1020	215	110	1662
Axle box. Car	J. W. Stephenson	767,360	Aug. 9	2438	519	111	1607
Axle box. Car	E. Denegre	770,681	Sept. 20	2943	625	112	608
Axle-box dust-guard	T. H. Symington	764,162	July 5	508	100	111	112
Axle-box dust-guard. Car	E. E. Sager, J. Sagmeister, and W. Dow	749,327	Jan. 12	1591	337	108	382
Axle-box fastener. Car	F. G. Koehler	755,886	Mar. 29	5226	1155	109	1210
Axle-box lubricating-packing holder. Car	J. S. Patten	770,242	Sept. 13	2083	438	112	484
Axle-box. Railway-car	F. W. Chaffee	767,797	Aug. 16	3330	704	111	1816
Axle boxing. Vehicle	G. W. Davis	749,173	Jan. 12	1263	273	108	310
Axle brasses. Implement for replacing car	W. S. Morgan	757,206	Apr. 12	2087	455	109	1804
Axle. Car	J. M. Wilcox	760,503	May 24	3813	808	110	602
Axle. Car	H. J. Bayard	778,299	Dec. 27	3647	796	113	2362
Axle. Car-wheel	T. R. Timby	777,569	Dec. 13	2179	479	113	1922
Axle construction. Front	S. D. and H. T. Latty and W. J. Siefel	776,520	Dec. 6	87	21	113	1444
Axle coupling. Front	F. A. Thomas and L. F. Thompson	756,490	Apr. 5	482	100	109	1445
Axle-cutter. Combined	A. Ingram and E. A. Stickney	771,016	Sept. 27	3611	760	112	863
Axle. Dust-proof	J. L. Freasier	759,088	May 3	990	201	110	225
Axle. Lubricating	P. McNaughton	771,318	Oct. 4	191	42	112	1001
Axle. Lubricating	H. Nicholson	770,337	Dec. 6	140	32	113	1456
Axle-lubricator	C. J. Stene	755,357	Mar. 29	5577	1186	109	1243
Axle lubricator. Car	C. Launer	752,625	Feb. 16	3409	779	108	1553
Axle lubricator. Car	J. R. Fleming	752,807	Feb. 23	4020	900	108	1986
Axle lubricator. Car	F. A. Fletcher	773,557	Nov. 1	49	10	113	15
Axle lubricator. Vehicle	A. A. Pearl	748,881	Jan. 5	621	139	108	139
Axle mechanism. Driving	R. H. White	753,422	Aug. 2	4988	855	108	2050
Axle. Self-lubricating	P. Meyer	756,675	Apr. 5	922	262	109	1540
Axle-setter	G. H. Stant	759,766	May 10	2380	497	110	555
Axes-shafts of carriages, &c. Antifriction mechanism for	J. E. Cooper	764,427	July 5	1059	216	111	235
Axle structure for motor-vehicles. Driving	T. J. Lindsay	748,760	Jan. 5	396	88	108	85
Axle truss-rod. Vehicle	N. Halvorsen	776,022	Nov. 29	5053	1066	113	1207
Axle. Vehicle	F. R. A. MacKinnon	749,902	Jan. 19	2738	586	108	647
Axle. Vehicle	W. T. Gaston	751,278	Feb. 2	948	215	108	1258
Axle. Vehicle	B. H. Dietrick	755,280	Mar. 22	4041	896	109	1032
Axle. Vehicle	S. C. Drake	760,605	May 24	4006	852	110	952
Axle. Vehicle	J. B. Bartholomew	760,605	May 24	4006	852	110	952
Axle. Vehicle	F. B. Baynes	763,839	June 28	4399	956	110	2433
Axle. Vehicle	P. C. Peterson	767,010	Aug. 9	1804	379	111	1461
Axle. Vehicle	F. M. Foster	771,053	Sept. 27	3652	776	112	877
Axle. Vehicle	A. N. Cooper	774,042	Nov. 1	1014	216	113	229
Axle. Vehicle	M. E. Thomas	774,289	Nov. 8	1460	313	113	345
Axle. Wagon	D. Jackson	765,840	July 26	3910	833	111	890
Axes into car-wheels. Hydraulic press for forcing	A. Nolte	776,415	Nov. 29	5786	1225	113	1375
Axes. Making	C. Mercier	761,778	June 7	328	56	110	1512
Axes, &c. Pillow or bush for vehicle	J. H. Monbeig and P. Forsans	765,266	July 19	2035	613	111	671
Axes. Safety washer and nut for vehicle	J. A. Bechtol and W. H. Bucke	771,762	Oct. 4	1059	236	112	1185
Baby-jumper	R. Gaines	775,133	Nov. 15	3150	670	112	742
Baby-jumper	J. A. Morehouse	777,386	Dec. 13	1816	402	113	1844
Baby-walker	B. Leininger	761,514	May 31	5824	1245	110	1365
Baby-walker	C. H. Stoyer	767,774	Aug. 16	3281	692	111	1805

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Baby-walker or perambulator	R. K. Blake	765,875	July 26	3960	845	111	902
Back and head rest	S. A. Weiss	768,209	Aug. 23	4245	898	111	2036
Back and head rest. Invalid	L. R. White	775,482	Nov. 22	3388	832	113	946
Back-rest. Folding	B. B. Billmyer	754,586	Mar. 15	2667	579	109	619
Backing-sheet or filling-wrapper	C. Q. C. Leigh	774,762	Nov. 15	2894	517	113	569
Backing-strip-applying machine	W. L. Jacobie	758,657	May 3	97	20, 21	110	26
Badge	D. K. Stone	766,913	Aug. 9	1621	341	111	1421
Badge and pencil-holder. Combined	J. A. Mangold	772,046	Oct. 11	1675	374	112	1333
Badge or button	N. Fisher	768,120	Aug. 23	4083	859	111	2002
Bags, buttons, mirrors, &c. Shell and covering therefor	W. Hornich, Jr.	757,744	Apr. 19	3082	671	109	2033
Bag:							
See Burlap bag. Odor-proof bag.							
Chataleine-bag. Polishing-bag.							
Cotton-picker's bag. Punching-bag.							
Feed-bag. Striking-bag.							
Horn-bag. Traveling-bag.							
Mail-bag. Woven bag.							
Mail-distributing bag.							
Bag	H. S. Moses	773,514	Oct. 25	4890	1019	112	2070
Bag	W. P. Flowers	775,368	Nov. 15	3473	733	113	824
Bag-closure	G. Winkler	748,902	Jan. 5	664	147	108	149
Bag-closure	E. E. Mead	777,263	Dec. 13	1566	349	113	1790
Bag-fastener	B. vom Eigen	749,490	Jan. 12	1798	379	108	425
Bag-fastener	B. vom Eigen	749,431	Jan. 12	1804	380	108	427
Bag-fastener	C. Guy	753,978	Mar. 8	1525	340	109	352
Bag-fastener	J. D. Wood	756,924	Apr. 12	1412	314	109	1660
Bag-fastener	B. vom Eigen	767,044	Aug. 9	1866	391	111	1477
Bag-fastener	B. vom Eigen	767,045	Aug. 9	1870	392	111	1478
Bag-fastener	O. R. Luther	771,378	Oct. 4	314	70	112	1027
Bag-fastener	S. Bjarnason	777,307	Dec. 13	1771	394	113	1834
Bag-fastener	B. vom Eigen	778,230	Dec. 27	3494	769	113	2230
Bag-fastening apparatus. Filled	B. F. Brown	752,373	Feb. 16	2993	667	108	1744
Bag-filling machine	S. B. Bowden	762,275	June 14	1265	273	110	1735
Bag-frame	B. vom Eigen	763,740	June 28	4198	915	110	2411
Bag-frame handle	B. vom Eigen	749,432	Jan. 12	1809	380	108	428
Bag-frame handle	E. E. Witte	760,717	May 24	4248	908	110	1004
Bag-frame handle attachment or fastener	B. vom Eigen	778,231	Dec. 27	3497	769	113	2230
Bag-frame section	J. E. Ortner	773,888	Nov. 1	711	150	112	153
Bag-handle	J. Mehl, Jr.	719,997	Jan. 19	2930	626	108	688
Bag-holder	F. Denise and W. T. Buck	750,174	Jan. 19	3260	703	108	750
Bag-holder	D. Madden and W. A. Thompson	754,580	Mar. 15	2752	599	109	634
Bag-holder	K. V. Parr	736,693	Apr. 5	954	209	109	1546
Bag-holder	A. M. Harris	760,690	May 24	4193	800	110	992
Bag-holder and truck. Combined	C. W. and A. E. Parks	769,625	Sept. 6	927	200	112	210
Bag holder or rack and printing device. Combination	W. A. O'Kane	755,693	Mar. 29	4826	1072	109	1120
Bag holder or stand	C. W. Lanpher	765,388	July 19	2975	623	111	680
Bag-holding apparatus	C. T. Holman	765,578	July 19	3351	704	111	759
Bag-holding cabinet	A. S. Henderson	755,001	Mar. 22	3547	778	109	826
Bag-lock	J. Hammesfahr	760,197	May 17	3240	679	110	763
Bag-machine	H. E. Westervelt and W. G. Holmes	759,785	May 10	2415	506	110	563
Bag-machine	H. E. Westervelt	759,786	May 10	2425	508	110	565
Bag or case handle	J. S. Isidor	772,616	Oct. 18	2827	621	112	1607
Bag or sack holder	R. Ross	768,018	Aug. 16	3826	800	111	1922
Bag-turner	H. Roppel	750,703	Jan. 26	4240	921	108	986
Bag-turning machine	C. F. Sparks	775,906	Nov. 29	4994	1053	113	1193
Bag-turning machine	S. T. Lockwood	777,382	Dec. 13	1860	415	113	1859
Bag-turning machine. Pneumatic	J. Iverson	775,975	Nov. 29	4963	1047	113	1186
Bags, &c. Frame for	F. Viano	755,085	Mar. 22	3696	811	109	860
Bags, &c. Machine for setting material in	W. E. Nickerson	767,590	Aug. 16	2949	618	111	1732
Bags. Manufacture of	J. R. Collins	749,424	Jan. 12	1789	377	108	423
Bags. Manufacture of	J. R. Collins	749,425	Jan. 12	1791	377	108	423
Bags, &c. Suspending attachment for game	G. F. Clarke	749,661	Jan. 12	2263	477	108	525
Bags. Turning	J. Iverson	775,976	Nov. 29	4964	1047	113	1186
Bagging-machine	D. L. Whittle	769,783	Sept. 13	1224	263	112	295
Baggage-fastener	J. B. Moses	752,574	Feb. 16	3375	733	108	1827
Balls to receptacles. Means for attaching	E. M. Geiger	768,650	Aug. 30	5188	1090	111	2265
Bait. Artificial	H. S. Reynolds	756,527	Apr. 5	658	142	109	1481
Bait. Artificial	D. W. Brown	777,491	Dec. 13	2011	444	113	1887
Bait-caster. Mechanical	T. A. Kimberlin	764,853	July 12	1965	406	111	446
Bait-holder and fish-decoy	V. Le Beau	777,382	Dec. 13	1867	400	113	1842
Bait. Trolling	H. P. Barnhart	771,116	Sept. 27	3808	804	112	907
Bake-pan	J. A. Bailey	763,653	June 28	4021	876	110	2372
Bake-pan basting and roasting attachment	N. T. and R. B. Benford	772,997	Oct. 25	3383	776	112	1791
Baker's peel	G. J. Bohn	754,042	Mar. 8	1641	365	109	377
Baking apparatus	C. J. T. Flygare	735,123	Mar. 22	3733	825	109	872
Baking-mold	C. Porcke	750,445	Jan. 26	3760	817	108	887
Baking-pan	B. Ycre	762,460	June 14	1655	357	110	1818
Baking-pan. Multiple	A. E. Bronson	750,344	Jan. 26	3582	776	108	843
Baking-powder	G. L. Teller	749,643	Jan. 12	2225	357	110	1817
Baking-rack	B. Ycre	763,459	June 14	1653	357	110	1817
Balance	G. F. Richter	764,377	July 5	966	194	111	215
Balance. Assay	F. W. Thompson	768,829	Aug. 30	5536	1165	111	2342
Balance. Compensating	J. H. Purdy	759,914	May 17	2672	561	110	635
Balance-escapement	H. Reddöhl	765,678	July 26	3568	756	111	322
Balance-leaf. Celluloid perpetual daily	W. F. Dodsworth	763,091	June 21	2931	631	110	2114

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Balance. Lever.	C. W. Allen.	776,880	Dec. 6	846	181	113	1613
Balance. Spring.	S. R. Munson	752,018	Feb. 23	4083	610	108	2001
Balance. Spring.	S. R. Munson	753,023	Mar. 22	3591	788	109	836
Bale.	H. Stockman	748,999	Jan. 5	874	187	103	202
Bale-band tie.	L. B. Robinson	778,801	Dec. 27	4607	1006	113	2472
Bale-compress	J. L. Sheppard	759,399	May 10	1680	340	110	401
Bale or package cover	I. Schlichter	754,811	Mar. 15	3192	695	109	731
Bale or package of fibrous material.	P. K. Dederick	764,924	July 12	2112	437	111	479
Bale-tie.	W. B. Curtis	749,847	Jan. 19	3641	565	108	625
Bale-tie.	H. De Haven	752,888	Feb. 23	4002	896	108	1983
Bale-tie.	E. Vuncannon	759,778	May 10	2403	502	110	560
Bale-tie.	A. A. Coe	764,351	July 5	899	183	111	197
Bale-tie.	C. Kitchin	766,045	July 26	4256	919	111	972
Bale-tie.	W. Ross, Sr.	767,248	Aug. 9	2283	478	111	1565
Bale-tie.	A. Hess and J. P. Thines	771,367	Oct. 4	296	65	112	1024
Bale-tie cross-heads and eyes. Machine for bending wire.	B. von Bültzingslöwen	760,100	May 17	3038	635 636 637	110	719
Bale-tie machine.	R. L. Johansen	761,231	May 31	5299	1125	110	1246
Bale-ties. Machine for bending cross-heads and eyes of wire	B. von Bültzingslöwen	752,513	Feb. 16	3253	725	108	1798
Bale-ties. Machine for forming hooks on wire.	B. von Bültzingslöwen	748,580	Jan. 5	42	12	108	12
Bale wires. Machine for bending the cross-heads of hay.	H. P. Wilson	749,348	Jan. 12	1633	347	108	393
Bales or packages of fibrous material. Forming.	P. K. Dederick	764,926	July 12	2116	438	111	480
Baling fibrous material.	G. A. Lowry	755,597	Mar. 23	4615	1025	109	1057
Baling fibrous material.	W. L. Spoon	776,956	Dec. 6	990	213 214 689	113	1645
Baling machine. Straw.	H. Sauler	767,769	Aug. 16	3270	690 691	111	1803
Baling-press.	A. C. Tinsley	749,759	Jan. 19	2478	528	108	590
Baling-press.	E. D. Smith.	750,232	Jan. 19	3370	727	108	781
Baling-press.	J. S. Tuttle	750,324	Jan. 26	3549	137	108	841
Baling-press.	W. E. Elam.	751,486	Feb. 9	1296	295	108	1352
Baling-press.	W. E. Elam.	751,487	Feb. 9	1298	297	108	1353
Baling-press.	W. F. Jacobs	753,402	Mar. 1	335	75, 76	109	75
Baling-press.	G. W. Robburts	754,093	Mar. 8	1747	388	109	400
Baling-press.	T. F. Ormond.	754,493	Mar. 15	2587	561	109	601
Baling-press.	J. J. York	758,492	Apr. 26	4556	979	109	2378
Baling-press.	W. C. Key	759,182	May 3	1172	230	110	266
Baling-press.	G. D. Hayes	760,117	May 17	3074	643	110	726
Baling-press.	W. Bullard	762,133	June 7	990	206	110	1652
Baling-press.	W. Eisenhauer	762,395	June 14	1501	327	110	1784
Baling-press.	W. R. Colman	762,689	June 14	2129	464	110	1920
Baling-press.	H. Larose	763,005	June 21	2758	598 599	110	2077
Baling-press.	W. H. Kauffman.	763,905	June 28	4516	985 986	110	2478
Baling-press.	C. J. Ryan	764,634	July 12	1522	811	111	349
Baling-press.	P. K. Dederick	764,925	July 12	2113	437	111	479
Baling-press.	P. K. Dederick	764,927	July 12	2117	438	111	480
Baling-press.	R. P. White	765,533	July 19	3274	685 686	111	743
Baling-press.	R. P. White	766,303	Aug. 2	395	69, 70	111	1114
Baling-press.	H. J. Uhlenkott	766,557	Aug. 2	381	178	111	1227
Baling-press.	W. R. Colman	767,031	Aug. 16	3041	635	111	1751
Baling-press.	W. E. Elam.	769,154	Sept. 6	31	7, 8	112	9
Baling-press.	F. G. Davies	769,692	Sept. 13	1061	228	112	259
Baling-press.	J. Kemp	769,826	Sept. 13	1318	281	112	317
Baling-press.	J. R. Pamphrey	771,091	Sept. 27	3756	894	112	894
Baling-press.	L. Blount	771,967	Oct. 11	1409	339	112	1292
Baling-press.	J. J. Day.	772,790	Oct. 18	3180	693	112	1682
Baling-press.	M. J. Foster	772,929	Oct. 25	3458	749	112	1762
Baling-press.	W. T. Hulscher	773,325	Oct. 25	4404	985	112	1976
Baling-press.	J. W. and W. C. Lindsay	773,510	Oct. 25	4820	1015	112	2067
Baling-press.	J. S. Tuttle	776,704	Dec. 6	474	103	113	1532
Baling-press.	M. E. Jones and J. E. Schafer	777,474	Dec. 13	1977	439	113	1880
Baling-press.	J. A. Clark and W. E. Beach	778,446	Dec. 27	3947	858 166	113	2337
Baling-press band-tying mechanism	J. L. Towner	764,318	July 5	810	167	111	178
Baling-press. Continuous.	D. H. Linthicum	755,896	Mar. 29	5240	1159	109	1213
Baling-press division-block setter	L. Trabue	762,773	June 14	2298	501	110	1954
Baling-press door-closer	E. Davis	754,853	Mar. 15	3286	716	109	752
Baling-press feeding mechanism	C. L. Ehart	762,202	June 14	1316	282	110	1746
Baling-press plunger	J. Kemp	760,212	May 17	3268	685	110	769
Baling-press tying attachment	R. S. Johnson	761,305	May 31	5453	1158 1159	110	1279
Ball: See Billiard or pool ball. Playing-ball. Exercising-ball. Puzzle-ball. Golf-ball.							
Ball.	J. A. Manahan	765,145	July 12	2513	525	111	562
Ball-and-socket fastener	M. Sternberg	749,639	Jan. 12	2216	468	108	516
Ball-and-socket fastener	J. R. Smith	753,525	Mar. 1	591	134	109	129

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Ball batting and registering device. Base-----	E. F. Porter	778,266	Dec. 27	3579	783 784	113	2248
Ball batting and registering device. Base-----	E. F. Porter	778,331	Dec. 27	3703	808 809	113	2274
Ball catcher. Base-----	J. E. Bennett	755,209	Mar. 22	3915	855	109	905
Ball-clamp	W. C. Ladd	759,533	May 10	1936	896	110	459
Ball-forming machine	A. C. Campbell	756,212	Apr. 5	35	8, 9	109	1350
Ball-mill cylinder	G. Descamps	764,715	July 12	1689	345	111	385
Ball-mill. Tubular	M. F. Abbe	772,077	Oct. 11	1742	388	112	1348
Ball-rack	C. W. Specht and W. P. Webster	751,314	Feb. 9	1919	436	108	148
Ball-swaging machine	A. Johnston	748,612	Jan. 5	102	26	108	24
Ball valve and connected parts. Foot-	J. McKay	751,402	Feb. 2	1156	263	108	1903
Balls by the use of plastic or gutta-percha strips.	F. H. Richards	777,045	Dec. 6	1169	255	113	1687
Covering golf-							
Balls, &c. Composition for bowling-	J. B. Olney	766,839	Aug. 9	1481		111	1390
Balls, &c. Compound sheet material for manufac-	E. Kempshall	768,129	Aug. 23	4097	862	111	2004
turing golf-							
Balls. Manufacture of golf-	E. Kempshall	764,598	July 12	1441	294	111	331
Balls. Manufacture of golf-	C. T. Kingzett	777,679	Dec. 20	2390		113	1982
Balls. Removing grease or oil from hollow metallic.	A. Johnston	773,317	Dec. 27	3630		113	2269
Balloon propelling and steering apparatus	E. Layton	751,093	Feb. 2	552	128	108	1180
Balloon. Steering-	P. Delbert	761,069	May 31	4977	1055 1056	110	1177
Ballot-box	W. M. Teeter	761,338	May 31	5511	1174	110	1392
Balloting-machine	J. J. Woodruff	765,903	July 26	3839		111	1574
Balloting-machine	W. M. Dougherty	756,002	Apr. 5	780	170	109	807
Banana-holder	W. M. Dougherty	769,537	Sept. 6	785	169	112	178
Banana-shipment case	E. W. Lyons	760,224	May 17	3287	690	110	774
Banana storage and show case	F. Schmitz	750,783	Jan. 26	4449	959	108	1035
Band	D. D. Rush	776,090	Dec. 6	451	100	113	1527
Band	G. Arents, Jr.	778,212	Dec. 27	3459	761	113	2321
Band. Baby-	L. Alminana	751,240	Feb. 2	875	200	108	1233
Band-brake	F. J. Ball	752,881	Feb. 23	3985	892	108	1978
Band-cutter and feeder	W. N. Dufford	766,172	Aug. 2	38	6	111	1049
Band-cutter and feeder knife.	C. H. Hill	755,661	Mar. 29	4753	1058	109	1101
Band-fastener	G. W. Parsons	754,008	Mar. 8	1577	352	109	864
Band-fastener	F. Sedlmair	754,714	Mar. 15	3020	659	109	694
Band-fastener for cylindrical tanks	H. L. Wagner	766,920	Aug. 9	1633	344	111	1233
Band-fastening	M. M. Ferguson and G. L. Eason	759,255	May 10	1391	273	110	338
Band-fastening	H. H. Beckman	751,370	Feb. 2	1107	250	108	1293
Band-machine head	E. C. Tecktonius	759,328	May 10	1535	308	110	369
Band or strap brake	C. A. Cline	775,125	Nov. 15	8136	667	113	739
Bands or rings. Machine for making packing	P. C. Middleton and W. S. H. Smith	757,480	Apr. 19	2540	558	109	1914
Banding-making machine	E. G. Newell	752,353	Feb. 16	2957	650	108	1735
Bandage-rest	G. Frost, Jr.	759,069	May 3	991	201 202	110	225
Bandage-rolling machine. Plaster-	W. S. Hubbard	765,733	July 26	3687	786	111	844
Bandage supporter. Catamenial-	B. C. Leavitt	770,912	Sept. 27	3399	717	112	1215
Bandage. Suspensory	L. B. Greenan	778,127	Dec. 20	3313	727	113	2173
Bandage. Suspensory	E. R. Drake	756,005	Mar. 29	5460	1204	109	1261
Bandoleer	W. A. Tainsh	757,153	Apr. 12	1887	412	109	1762
Banister or railing	G. C. Palmer	759,125	May 3	1061	215	110	341
Banjo	W. London	764,353	July 12	2165	443	111	491
Banjos, &c. Leg-rest for	G. C. Furbershaw	754,059	Mar. 8	1675	372	109	825
Bank	P. H. Foley	752,064	Feb. 23	3578	797	108	1887
Bank and clock. Combined savings-	I. H. Terjesen	755,257	Mar. 22	3999	887	109	923
Bank and register. Cyclic	R. P. Wessels	775,058	Nov. 15	2991	636	113	708
Bank register and remittance-sheet.	O. R. Myers	771,067	Sept. 27	3746	789	112	892
Bank safety appliance	M. P. Exline and E. Bourke	768,360	Aug. 23	4531	953	111	2099
Bank. Savings-	W. S. Kinsley	754,073	Mar. 8	1635	376 377	109	390
Bank. Savings-	I. D. Perry	753,305	Mar. 1	167	38	109	39
Bank. Savings-	R. J. Thompson	758,340	Apr. 26	4263	915 916	109	2312
Bank. Trick savings-	A. Rosedale	761,254	May 31	5342	1135	110	1256
Bar:							
See Bicycle handle-bar. Resistance-bar.							
Cutter-bar. Tracker-bar.							
Metal bar.							
Bar-cutter	H. A. Christensen	750,599	Jan. 26	4061	879	108	948
Bar slitting and stretching machine	J. F. Golding	766,180	Aug. 2	45	8, 9	111	1051
Bar which cannot be sawed through	P. D. Ziegler	763,051	June 28	4018	876	110	2371
Bars, rods, &c. Machine for dressing solid or ho-	F. Josseland and C. A. M. Jacquet	748,745	Jan. 5	357	79, 80	108	79
Barber-shops, &c. Indicator for	G. E. Jones and H. L. Slusser	762,534	June 14	1816	391	110	1853
Barber's cabinet	J. S. Ebert and G. A. Tuckfield	774,314	Nov. 8	1508	323	113	356
Barber's chair	F. De Fontes	777,847	Dec. 20	2736	603	113	2056
Barber's chair attachment	M. P. 232	761,232	May 31	5306	1126	110	1249
Barbers' chairs. Paper-serving box for	A. D. Kandle	774,433	Nov. 8	1750	377	113	408
Barber's memorandum and cash-drawer	W. Reuter	766,825	Apr. 12	1222	273	109	1621
Barber's sectional sterilizer	L. A. Bucklin	764,242	July 5	674	137	111	150
Barber's turn	C. B. Hypes	768,405	Aug. 23	4656	976	111	2134
Barium hydrate. Manufacture of	J. M. Shanahan	768,405	Aug. 23	4656	976	111	2134
Barn construction	F. Jahn	775,752	Nov. 22	4501	954	113	1068
Barometer	J. J. Duttweiler	777,945	Dec. 20	2957	649	113	2099
Barometer. Aneroid	C. H. Stetting	756,905	Apr. 12	1377	650	109	1652
Barometers or other like articles. Bracket for hold-	R. E. Collinson	763,659	June 23	4041	880	110	2373
ing and locking in place aneroid	R. B. Heimbecker	778,488	Dec. 27	4040	880	113	2346
Barrel	F. E. Gage	754,023	Mar. 15	3396	742	109	776
Barrel	F. Bösen	768,027	Aug. 23	3844	804	111	1945

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Barrel	C. Pionessa	768,539	Aug. 23	4919	1030	111	2189
Barrel air connection and tap	H. Nadort	773,968	Nov. 1	869	182	113	199
Barrel-boring machine	A. H. M. Driver and G. Norman	772,706	Oct. 18	3015	662	112	1648
Barrel-closer	H. L. Flanick	768,172	June 21	3087	663	110	2150
Barrel, &c., closure	C. R. Westling	766,206	Aug. 2	112	20	111	1666
Barrel, Collapsible	A. A. Weeks	777,873	Dec. 20	2800	615	113	2068
Barrel dressing and boring machine	F. Pfuger and E. Christensen	764,624	July 12	1496	306	111	314
Barrel-end-finishing mechanism	R. A. Lancey and C. W. Smith	758,670	May 3	129	26, 27	110	32
Barrel-finishing machine	R. A. Lancey and C. W. Smith	755,374	Mar. 22	4228	835	109	1874
Barrel-head fastener	D. E. Richards	765,686	July 26	3586	781	111	825
Barrel-head	T. Sweeney	767,715	Aug. 16	3179	666	111	1782
Barrel-head fastening	C. E. Fay and J. H. Hill	777,887	Dec. 20	2832	632	113	2075
Barrel-head securer	S. A. Hunter	757,309	Apr. 12	2203	481	109	1828
Barrel-heading press	R. L. Cummings	773,629	Nov. 1	154	38	113	44
Barrel-holder	M. Derrig	756,397	Apr. 5	389	60	109	1405
Barrel-holder	A. M. Woltz and C. A. Suman	777,463	Dec. 13	1954	431	113	1875
Barrel-hoop	E. I. Braddock	750,520	Jan. 26	3908	847	108	918
Barrel-hoop, Wire	J. F. Pool	768,794	June 28	4312	937	110	2435
Barrel, Kraut-dispensing	T. W. McFarland	767,951	Apr. 19	3467	750	109	2119
Barrel or cask, Metal	T. W. McFarland	760,621	Sept. 20	2819	599	112	669
Barrel-rack	A. A. Charlebois	768,855	June 28	4423	963	110	2459
Barrel-scrubbing machine	J. Müller	776,863	Dec. 6	809	173	113	1605
Barrel-soaking and rinsing machine	H. Reininger	771,093	Sept. 27	3759	729	112	895
Barrel-soaking apparatus	B. Danner	755,626	Mar. 29	4695	1044	109	1088
Barrel-support	E. E. Cross	750,613	Jan. 26	4084	884	108	952
Barrels, &c. False partition for	E. E. Seacrist	765,510	Nov. 22	4222	888	113	1009
Barrels, &c. Lining for	J. Arkell	764,545	July 12	1333	271	111	809
Barrels, &c. Making metal	H. S. Reynolds	750,394	Jan. 26	3670	735	108	866
Barrow-wheel	H. S. Reynolds	749,566	Jan. 12	2090	434	108	490
Basin, Catch	W. Aylward, Jr	749,148	Jan. 12	1208	259	106	296
Basin, Catch	W. J. Connell	762,690	June 14	2132	464	110	1920
Basin, Catch	T. D. Pierce	768,194	Aug. 23	4915	465	111	2029
Basin fixture and basin, Wash	C. H. Moore	773,408	Oct. 23	4592	970	112	2018
Basin, Foldable	J. W. McCann	758,770	May 3	886	77	110	95
Basin for sink-outlets, Catch	H. Robischon	774,201	Nov. 8	1299	276	113	310
Basin-holder	O. R. Applegate	777,996	Dec. 20	3059	673	113	2118
Basin, Lavatory	F. J. Kelly	756,239	Apr. 5	92	20	109	1302
Basin, Lavatory	H. S. Maddock and J. F. Kelly	756,257	Apr. 5	128	26	109	1370
Basin receiving-head, Catch	A. W. Kurz	774,846	Nov. 15	2571	552	113	607
Basin strainer attachment, Wash	D. B. Allen	770,043	Jan. 19	3015	646	108	705
Basin trap, Catch	P. F. Murphy	751,963	Feb. 7	969	511	108	1565
Basin, Wash	P. J. Madden	763,394	Mar. 22	4080	903	109	940
Basin, Wash	F. B. Metosh	760,342	May 17	3496	736	110	890
Basin, Wash hand	F. W. Gordon	759,696	May 10	2240	462	110	523
Basin-waste	J. C. Reed	761,712	June 7	185	35	110	1479
Basins, baths, &c. Waste mechanism for wash	S. W. Lewis	756,663	Apr. 5	892	195	109	1531
Basins, Fastening device for stationary wash	J. Smith	777,553	Dec. 13	2189	483	113	1915
Basket	E. L. Walker	763,580	June 28	3859	843	110	2344
Basket, Crate	H. T. Lewis	778,544	Dec. 27	4124	898	113	2366
Basket, Folding	W. Hizer	773,500	Oct. 25	4793	899	112	2061
Basket, Grape	E. L. Walker	763,578	June 28	3856	842	110	2344
Basket-handle	B. J. Ragatz	750,699	Jan. 26	4232	918	108	984
Basket-handle	R. C. Totzke	774,542	Nov. 8	1293	417	113	445
Basket-handle, Detachable	E. L. Walker	763,577	June 28	3855	841	110	2344
Basket-machine	C. Engberg	771,049	Sept. 27	3670	773	112	875
Basket-making machine	O. Schleicher. (Reissue)	12,198	Feb. 23	4660	1037	108	2129
Basket-making machine	A. Pohorzeleek	757,344	Apr. 12	2202	494	109	1841
Basket-making machine	E. Horton	760,791	May 24	4402	896	110	1036
Basket-making machine	E. Horton	765,839	July 26	3900	897	111	888
Basket-making machine	A. Pohorzeleek	773,520	Oct. 25	4853	832	112	2076
Basket-making machine	O. Schleicher	776,205	Nov. 29	5889	1142	112	1284
Baskets or cases, Apparatus for cleaning bottle	R. Knöllner	753,500	Mar. 1	521	121	109	114
Bat, Base-ball	J. A. Hillerich	771,247	Oct. 4	58	13	112	974
Bath:							
See Amusement-bath.	Shower-bath.						
Copying-bath.	Spray-bath.						
Film-bath.	Stiffener-bath.						
Portable bath.	Vapor-bath.						
Bath:	E. W. Lancaster	760,540	May 24	3881	823	110	925
Bath adjustable frame. Combined automatic shower and vapor	O. J. Linendoll and A. T. Houghten	757,933	Apr. 19	3438	745	109	2112
Bath apparatus	J. R. Hamilton	758,207	Apr. 26	3980	863	109	2250
Bath apparatus, Shower	J. D. Caldwell	769,429	Sept. 6	570	124	112	130
Bath apparatus, Shower	W. Bunting, Jr	773,541	Nov. 1	12	3, 4	113	5
Bath apparatus, Shower	C. E. Wallen	776,209	Nov. 29	5401	1145	113	1286
Bath hose, Shower	O. C. Fletcher	758,874	May 17	2604	545	110	620
Bath-house, Folding bench	J. C. Booker and E. Hill-Booker	773,628	Dec. 27	4238	868	113	2402
Bath or basin waste apparatus	W. Bunting, Jr	765,697	July 26	3599	765	111	828
Bath-spray	V. C. Van't Woud	757,791	Apr. 19	3176	689	109	2055
Bath-trap cap and pipe	H. J. Luff	772,162	Oct. 11	1918	425	112	1384
Bath-tub	C. A. Ricks	753,002	Feb. 23	4250	947	108	2038

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Draw.	Vol.	Page.
Bath-tub	O. Bussenius	755,109	Mar. 22	3730	820	109	868
Bath-tub	H. P. Coile	755,747	Mar. 29	4939	1099	109	1144
Bath-tub. Electric	J. Zwiebel	755,830	Mar. 29	5112	1133	109	11-3
Bath-tub overflow-valve	C. M. Weigel	770,314	Sept. 20	2316	488	112	558
Bath-tub seat	G. W. Harbourn	754,369	Mar. 8	2902	549	109	320
Bath-tub seat	J. P. Eustis	764,232	July 5	662	134	111	148
Bath-tub seat and toilet-stand. Combined	E. T. Brown	766,320	Aug. 2	368	77	111	1121
Bath-tub water-regulating device	S. E. Robinson	767,662	Aug. 16	3088	646	111	1762
Bath-tubs, &c. Leg-fastening for	T. W. Simcox	757,974	Apr. 19	3511	761	109	2129
Baths. Preparing a composition for sulfur	W. Matzka	766,154	July 28	4518	.....	111	1032
Baths. Preparing compositions for sulfur	W. Matzka	765,291	July 19	2770	.....	111	636
Bathing apparatus	L. S. Dudley and D. R. Bebout	764,657	Nov. 8	2136	468	113	489
Bathing apparatus. Electrical	R. S. Lawrence	760,794	May 24	4424	941	110	1040
Batteries. Apparatus for washing storage	J. P. Lough	760,365	Aug. 2	447	95	111	1138
Batteries. Current-selector for charging secondary	M. R. Hutchison	753,669	Mar. 29	4768	1061	109	1165
Batteries. Exciting fluid for electrical	G. F. Atwood	761,641	June 7	10	.....	110	1438
Batteries. Exciting fluid for electrical	G. F. Atwood	761,642	June 7	11	.....	110	1438
Batteries. Lead containing-cell for secondary	V. G. Apple	772,123	Oct. 11	1828	406	112	1366
Battery. See Diffusion-battery. Gas-battery. Dry battery. Medical battery. Electric battery. Primary battery. Electrical battery. Secondary battery. Floating naval battery. Secondary or storage battery. Galvanic battery. Storage battery.							
Battery	J. Noble and E. L. Anderson	759,740	May 10	2326	485	110	542
Battery	N. M. Watson	777,985	Dec. 20	3043	670	113	2151
Battery-case	R. H. and F. H. Wappler	777,457	Dec. 13	1938	428	113	1872
Battery-cell	E. W. 757,164	757,164	Apr. 9	1905	416	108	1462
Battery-cell	W. O. Duntley	764,282	July 5	747	153	111	165
Battery cell. Storage	P. Figuccia	770,358	Sept. 20	2335	492	112	562
Battery-charging apparatus	H. G. Pape	775,732	Nov. 22	4463	944	113	1060
Battery construction. Storage	S. Lake	755,142	Mar. 22	3793	835	109	882
Battery exciting compound	A. J. Marshall	750,571	Feb. 2	169	.....	108	1694
Battery grid. Storage	G. W. Frost	757,396	Apr. 12	2370	516	109	1862
Battery-holder	F. Jackson	772,415	Oct. 18	2435	534	112	1523
Battery-plate	O. Frank	749,785	Jan. 19	2530	537	108	601
Battery-plate	H. C. Porter	769,322	June 21	3964	730	110	2210
Battery-plate grids. Apparatus for making secondary	A. F. Madden	757,210	Apr. 12	1986	493	109	1784
Battery-plate mold	A. C. Wood and J. A. McMullan	770,139	Sept. 13	1881	400	112	440
Battery plate. Storage	J. Bijur	751,046	Feb. 2	484	113	108	1165
Battery plate. Storage	C. B. Askew	751,772	Feb. 9	1827	416	108	1462
Battery plate. Storage	E. W. Smith	760,712	May 24	4241	901	110	1002
Battery plate. Storage	A. Meygret	760,897	May 24	4612	983	110	1081
Battery-plates. Apparatus for casting	J. Bijur	757,719	Apr. 19	3017	656	109	2020
Battery plates. Making storage	J. Bijur	757,718	Apr. 19	3016	655	109	2020
Battery plates. Protective coating for storage	A. Meygret	776,480	Nov. 29	5819	.....	113	1406
Battery plates. Protective coating or covering for storage	A. Meygret	776,192	Nov. 29	5768	.....	113	1279
Battery plates. Protective sheath or envelop for storage	A. Meygret	756,176	Mar. 29	5756	.....	109	1324
Battery receptacle and bell-support. Combined electrical	W. A. Harvey	750,646	Jan. 26	4135	897	108	963
Battery stem-guide	W. H. Martin and A. McCombie	752,349	Feb. 16	2947	656	108	1734
Battery stopper	A. Müller	754,081	Mar. 8	1710	381	109	322
Battery tanks or cells. Skeleton frame for electric	D. F. Jones	749,199	Jan. 12	1327	285	108	726
Battery-transmitter	R. Hansen	765,480	July 19	3181	665	111	324
Battery tray. Storage	T. A. Edison	754,858	Mar. 15	3282	717	109	733
Bead-loom	H. B. Mees	758,376	Apr. 26	4332	930	109	2326
Bead-loom	F. C. Poole	760,919	May 24	4658	992	110	1090
Bead-threader	P. E. Law	752,626	Feb. 16	3590	779	108	1833
Beadwork-loom	W. W. Dinwiddie	762,050	June 21	2853	617	110	2098
Beam, &c., and grillage therefor. Reinforced	N. N. Wight	756,309	Apr. 5	820	48	109	1393
Beam. Combined steel and concrete	J. Kahn	768,284	Aug. 23	4395	923	111	2069
Beam frame. Plastic	R. C. Kyle	778,416	Dec. 27	3889	847	113	2315
Beam or arch. Structural	T. P. Finlay	768,594	Aug. 30	5062	1062	111	2328
Beam-pressor	H. Parsons	776,418	Nov. 29	5795	1327	113	1378
Beams interior cornices, or the like. Construction of false	W. Nielson	776,344	Nov. 29	5651	1197	113	1342
Beams. Securing strips of wood, &c., to iron	S. Davis	754,855	Mar. 15	3288	716	109	733
Beaming mechanism	H. Van Winkle	758,489	Apr. 26	4548	978	109	2576
Beamless brake	T. W. Saling and J. B. McKiel	770,929	Sept. 27	3436	725	112	824
Beam-huller	O. C. Gramling	754,993	Mar. 22	3533	774	109	823
Beam-picker	G. M. Dye	762,157	June 7	1036	216	110	1663
Beam-picking machine	G. F. Crippen	753,370	Mar. 1	272	62, 63	109	62
Bearing	J. Butler	751,715	Feb. 9	1717	390	108	1441
Bearing	J. W. Bamford	756,564	Apr. 5	718	155	109	1494
Bearing	G. Engel	778,822	Dec. 27	4654	1017	113	2483
Bearing. Antifriction	W. W. O'Connor	758,619	Mar. 1	764	170	109	166
Bearing. Antifriction	W. C. Baker	758,820	Mar. 1	1211	272	109	260
Bearing. Antifriction	W. J. Weber, F. C. and W. M. Dey-herle	753,088	Mar. 22	3700	512	109	861
Bearing. Antifriction	E. E. Slick	760,264	May 17	3355	706	110	789
Bearing. Antifriction	V. L. Rice	768,574	Aug. 23	4992	1046	111	2204
Bearing. Ball	T. H. Duncombe	754,496	Mar. 15	2472	538	109	575
Bearing. Ball	O. C. Knipe	755,371	Mar. 22	4221	934	109	973
Bearing. Ball	E. C. Hoffmann	773,427	Nov. 8	1702	364	113	398
Bearing. Ball	A. Riebe	774,893	Nov. 15	2662	571	113	629
Bearing-box	S. W. Bradley	769,051	Aug. 30	5989	1255	111	2445
Bearing. Car-axle	J. E. Hewitt	767,507	Dec. 13	2039	449	113	1893
Bearing. Carriage	L. Myers	775,398	Nov. 22	3928	708	113	873

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Bearing. Centrifugal-machine.	G. Engel	778,481	Dec. 27	4021	875	113	2242
Bearing. Centrifugal-machine elastic collar.	T. W. Morgan	767,534	Aug. 16	2830	590	111	1701
Bearing. Combination ball and roller	H. V. Hillcoat	749,192	Jan. 12	1309	281	108	322
Bearing. Conical roller.	J. P. Cowing	754,751	Mar. 15	3078	672	109	708
Bearing. Convertible roller.	J. C. Hoshor	757,115	Apr. 12	1798	394	109	1741
Bearing device. Ball.	W. A. Loud	760,221	May 17	3281	689	110	772
Bearing. Disk.	C. A. Hardy	752,620	Feb. 16	3486	777	108	1851
Bearing. Disk.	W. A. Lee	777,519	Dec. 13	2063	454	113	1898
Bearing. Fluid-pressure	J. W. Macfarlane.	777,682	Dec. 20	2396	527	113	1964
Bearing for balls rolling on two rails.	F. Spengler	755,406	Mar. 22	4285	947	109	965
Bearing for centrifugal machines. Yielding	C. E. Robinson	771,395	Oct. 4	347	77	112	1093
Bearing for spindles. Ball.	C. Sella	770,986	Sept. 27	3543	747	112	850
Bearing for turn-tables or the like	E. S. Bennett	769,460	Sept. 6	541	138	112	146
Bearing for wheels, pulleys, &c	G. Dornauf	767,212	Aug. 9	2322	462	111	1551
Bearing. Hanger.	G. E. Harter	771,146	Sept. 27	3871	816	112	919
Bearing-housing	A. M. Mattice	766,669	Dec. 6	405	90, 91	113	1518
Bearing. Lubricated.	C. C. Chinn	769,432	Sept. 6	573	126	112	131
Bearing. Roller.	J. Webb	748,325	Jan. 9	510	116	108	116
Bearing. Roller.	W. S. Sharpneck	755,177	Mar. 22	3857	852	109	894
Bearing. Roller.	R. F. Bower	755,992	Mar. 20	5428	1199 1200	109	1254
Bearing. Roller.	W. S. Wood and S. Douglass	760,508	May 24	3815	810	110	910
Bearing. Roller.	A. A. Lowry	761,084	May 31	5024	1065	110	1187
Bearing. Roller.	R. L. Ellery	768,217	Aug. 23	4262	896	111	2040
Bearing. Roller.	C. W. Warner	771,755	Oct. 4	1645	232	112	1183
Bearing. Roller.	H. A. Lockwood	774,678	Nov. 8	2178	477	113	498
Bearing. Roller.	L. Villard	776,570	Nov. 8	4730	1001	113	146
Bearing. Roller.	T. A. Blakely	776,773	Dec. 6	615	134	113	1562
Bearing. Roller.	J. W. Moakley	777,479	Dec. 13	1988	440	113	1882
Bearing. Self-lubricating carriage.	G. W. Nickerson	767,164	Aug. 9	2133	444	111	1332
Bearing. Self-oiling.	F. Hachmann	766,244	Aug. 2	204	40	111	1068
Bearing. Shaft.	T. J. Harrington	748,535	Aug. 5	149	39	109	88
Bearing. Shaft.	J. J. Harrington	750,362	Jan. 26	3609	783	108	854
Bearing. Shaft.	F. Ray	765,936	July 26	4073	780	111	927
Bearing. Shaft.	E. R. Smith	773,232	Oct. 25	4229	895	112	1930
Bearing. Shiftable shaft.	C. Reeves	751,557	Feb. 9	1430	324	108	1382
Bearing. Side.	F. K. Hosler and C. Fueller	771,550	Oct. 4	665	149	112	1100
Bearing spacer. Ball.	A. P. Smith, Jr.	756,069	Mar. 29	5587	1229	109	1284
Bearing. Spindle ball.	W. Bäuerle	764,977	July 12	2311	457	111	499
Bearing. Thrust.	C. O. Baker	770,840	Sept. 27	3370	689	112	787
Bearing. Thrust.	W. M. Holmes	775,923	Nov. 29	4830	1023	113	1155
Bearing. Vertical-shaft	E. M. Sanger	755,703	Mar. 29	4848	1078	109	1129
Bearing. Vertical-shaft	E. M. Sanger	755,704	Mar. 29	4850	1078	109	1125
Bearings. Device for excluding dust from	E. Einfeldt	778,181	Dec. 20	3411	794	113	2192
Beater, mixer, and masher	S. B. Hillman	777,675	Dec. 20	3284	524	113	1961
Beater or movement apparatus	S. J. Wagner	775,815	Nov. 22	4615	978	113	1022
Beating-engine bed-plate	S. R. Wagg	763,817	June 28	4356	94	110	2449
Bed.	R. C. W. Reinert	762,103	Feb. 16	2473	532	108	1626
Bed.	G. L. Marple	767,327	Apr. 12	2329	488	109	1838
Bed.	W. E. Roberts	760,152	May 17	3155	659	110	744
Bed.	W. E. Roberts	765,272	July 19	2741	571	111	630
Bed.	E. Michaud	776,528	Dec. 6	121	27, 28	113	1432
Bed.	E. L. Fuller	777,284	Dec. 13	1602	856	113	1797
Bed and lifter. Invalid.	L. C. Martin	772,948	Oct. 25	3490	757	112	1769
Bed attachment.	E. E. Robertson	755,699	Mar. 29	4841	1076 1077	109	1123
Bed attachment.	W. E. Roberts	760,153	May 17	3156	660	110	744
Bed attachment.	J. W. Caster	777,075	Dec. 13	1231	270	113	1717
Bed-bottom	W. Shannon	754,097	Mar. 8	1757	391	109	403
Bed-bottom	J. G. Peace	756,744	Apr. 5	1067	235	109	1569
Bed-bottom	T. Viens	758,376	Apr. 26	4124	891	109	2281
Bed-bottom	W. B. White	768,321	Aug. 23	4464	937	111	2084
Bed-bottom	J. W. Efav	768,791	Aug. 30	5446	1147	111	2323
Bed-bottom	N. R. Murphy	770,090	Sept. 13	1790	378	112	421
Bed-bottom	J. G. Venable, Sr.	771,191	Sept. 27	3956	894	112	987
Bed-bottom	E. H. Hutcheson	771,309	Oct. 4	171	38	112	998
Bed-bottom. Elastic	T. Klipfel	762,536	June 14	1827	392	110	1854
Bed-bottom. Spring.	J. Daigneault	750,821	Feb. 2	71	16	108	1073
Bed-bottom. Spring.	C. D. Brouyette	754,120	Mar. 8	1793	399	109	412
Bed-bottom. Spring.	J. G. Venable, Sr.	754,320	Mar. 8	2053	456	109	467
Bed-bottom. Spring.	S. H. Anderson	755,987	Mar. 29	5420	1197	109	1252
Bed-bottom. Spring.	A. J. Logan and J. F. Brown	760,746	May 24	4321	917	110	1018
Bed-bottom. Spring.	A. J. Reed	764,373	July 5	950	193	111	213
Bed-bottom. Spring.	F. B. Hemingway	771,779	Oct. 4	1094	245	112	1198
Bed-bottom. Spring.	F. Karr	774,670	Nov. 8	2161	472	113	495
Bed-bottom support	T. Klipfel	767,700	Aug. 16	3156	659 660	111	1777
Bed. Camp.	G. A. Caproni	766,664	Aug. 2	1077	224	111	1280
Bed-chair or bed-sofa	H. A. Linderorth	749,907	Jan. 12	1555	329	108	374
Bed. Combination folding	J. B. Wheatley	759,788	May 10	2434	500	110	567
Bed construction. Couch.	F. M. Tukham	753,760	Mar. 1	1040	236	109	223
Bed. Convertible.	M. L. Evans	775,131	Nov. 15	3146	669	113	741
Bed-couch	G. M. Kim	754,145	Mar. 8	1833	408	109	421
Bed. Couch.	R. J. Wagner	775,876	Nov. 22	4731	1001	113	1116
Bed-covering	E. W. Brown	757,256	Apr. 12	2067	452	109	1800
Bed. Crib.	W. S. Foster	766,236	Aug. 2	185	36	111	1082
Bed. Extensible	W. F. De Vault	748,847	Jan. 5	553	128	108	136
Bed. Folding.	J. Luppino	748,963	Jan. 5	721	171	108	150
Bed. Folding.	V. J. Gillett	750,762	Jan. 26	4404	950	108	1026
Bed. Folding.	G. C. Fuller	762,699	June 14	2156	469	110	1925

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Bed. Folding.....	H. Brandt.....	763,358	June 28	3470	749	110	2255
Bed. Folding.....	D. F. King.....	764,475	July 5	1155	234	111	255
Bed. Folding.....	W. H. Fauber.....	764,842	July 12	1941	399	111	441
Bed. Folding.....	S. J. Herrick.....	766,349	Aug. 2	420	88, 89	111	1133
Bed. Folding.....	S. Holmgren.....	768,049	Aug. 23	3890	816	111	1955
Bed. Folding.....	J. H. Bennett.....	774,148	Nov. 8	1202	255	113	288
Bed. Folding.....	A. W. Pyle.....	774,275	Nov. 8	1432	306	113	340
Bed. Folding.....	C. M. Hamilton.....	778,539	Dec. 27	4116	897	113	2364
Bed. Folding or cabinet.....	H. Faschian.....	756,162	Mar. 29	5732	1266	109	1319
Bed. Folding sofa.....	L. N. Bachand.....	766,934	Aug. 9	1633	347	111	1428
Bed heating or cooling device.....	I. H. Finchum.....	773,138	Oct. 25	4022	853	112	1893
Bed. Invalid.....	J. Hall and H. A. Paddleford.....	759,882	May 17	2616	547	110	622
Bed. Invalid.....	C. G. Radcliff.....	760,755	May 24	4337	921	110	1022
Bed. Invalid.....	G. H. Miller.....	764,141	July 5	455	89	111	99
Bed. Invalid.....	J. W. Crigler.....	775,320	Nov. 22	4007	846	113	961
Bed. Invalid.....	J. A. Devore and S. C. Yount.....	778,570	Dec. 27	4182	912	113	2377
Bed. lounge, crib, &c. Combination.....	J. Schwartzman.....	765,712	July 26	3827	772	111	833
Bed. Metallic folding.....	G. A. Mellon.....	739,538	May 10	1943	773	110	460
Bed or bed-couch. Sofa.....	L. H. Bullard.....	763,958	July 5	14	4	111	5
Bed or couch.....	J. Hoey.....	767,151	Aug. 9	2100	438	111	1526
Bed or couch.....	F. W. Boecker.....	771,039	Sept. 27	3653	770	112	871
Bed or couch and bath. Combined.....	F. R. Buck.....	761,443	May 31	5708	1215	110	1338
Bed or couch bottom.....	J. H. Rogers.....	748,268	Aug. 13	497	135	111	1429
Bed or cushion.....	B. T. Milliken.....	754,329	Mar. 8	2174	482	109	492
Bed or seat. Spring.....	H. and F. Rumpf.....	768,149	Aug. 23	4130	869	111	2012
Bed-pan.....	A. C. Eggers.....	750,103	Jan. 19	3134	673	108	730
Bed-pan.....	C. W. Meinecke and D. Hogan.....	760,229	May 17	3294	691	110	775
Bed-partition.....	J. E. and J. P. Smith.....	754,353	Mar. 8	2211	494	109	499
Bed-rail fastener.....	W. Storch.....	765,402	July 19	3002	628	111	686
Bed-riser. Sheet-metal.....	J. M. and F. Holland.....	758,917	May 3	675	136	110	159
Bed. Screen.....	A. L. Gillis.....	767,882	Aug. 16	3508	741	111	1853
Bed. Sofa.....	J. Harvey.....	749,789	Jan. 19	2537	539	108	602
Bed. Sofa.....	F. B. Wersel, Jr.....	755,089	Mar. 22	3701	813	109	861
Bed. Sofa.....	F. B. Wersel, Jr.....	755,090	Mar. 22	3702	813	109	861
Bed. Sofa.....	J. Christensen.....	763,156	June 21	3658	659	110	2142
Bed. Sofa.....	L. N. Bachand.....	766,935	Aug. 9	1634	348	111	1429
Bed. Sofa.....	T. Hauser.....	767,059	Aug. 9	1906	399	111	1485
Bed, sofa, and chair. Combination.....	H. Lehrer.....	754,150	Mar. 8	1840	410	109	423
Bed. Spring.....	I. H. Haas.....	733,698	Mar. 1	932	211	109	201
Bed. Spring.....	J. F. Sullivan.....	754,235	Mar. 8	2047	455	109	466
Bed. Spring.....	L. P. Norton.....	760,552	May 24	3904	830	110	930
Bed-spring.....	J. F. Dixon and T. J. Ridgway.....	757,098	Apr. 12	1766	383	109	1794
Bed-spring.....	E. Jewell.....	774,180	Nov. 8	1268	369	113	304
Bed spring device. Swinging.....	H. D. Smith.....	753,173	Feb. 23	4561	1017	108	2108
Bed. Telescopic couch.....	W. Thompson.....	751,232	Feb. 2	829	190	108	1233
Bed. Tent.....	G. Langsons.....	765,018	July 12	2275	473	111	513
Beds. Leaf-support for sofa.....	O. R. Hunt.....	754,142	Mar. 8	1829	407	109	420
Beds, &c. Spring-bottom for.....	W. C. Grose.....	759,515	May 10	1904	382	110	451
Beds. Wire fabric for folding.....	O. R. Hunt.....	758,920	May 3	683	137	110	160
Bedclothes-clamp.....	A. Grandjean.....	770,093	Sept. 13	1655	351	112	392
Bedclothes-fastener.....	R. E. France.....	777,016	Dec. 6	1111	241	113	1674
Bedclothes-holder.....	H. Crocker.....	754,430	Mar. 15	2449	534	109	570
Bedclothes-holder.....	F. L. Germain.....	757,431	Apr. 19	2470	541	109	1901
Bedclothing and mattress clamp.....	A. W. Pyle.....	751,010	Feb. 2	422	100	108	1151
Bedclothing-supporter.....	J. P. Buckley.....	775,263	Nov. 15	3467	731	113	823
Bedpost.....	G. Shuman.....	766,536	Aug. 2	805	170	111	1217
Bedspread.....	M. H. Fine.....	768,119	Aug. 23	4082	806	109	855
Bedstead.....	J. E. Stone.....	755,071	Mar. 2	3672	806	109	855
Bedstead.....	H. Wheeler.....	766,538	Aug. 9	1513	316	111	1396
Bedstead.....	J. J. Robinson.....	767,501	Aug. 16	2784	581	111	1694
Bedstead.....	G. F. Honold.....	770,750	Sept. 27	3065	651	112	741
Bedstead.....	W. E. Collier.....	771,811	Oct. 11	4170	367	112	1283
Bedstead.....	A. Fields.....	773,381	Oct. 25	4525	958	112	2003
Bedstead and chest. Folding.....	W. A. Arnold.....	757,430	Apr. 19	2437	532	109	1898
Bedstead attachment.....	A. B. Shane.....	754,615	Mar. 15	2809	613	109	647
Bedstead attachment.....	A. Wilcher.....	755,264	Mar. 22	4018	890	109	927
Bedstead-attachment clamp.....	G. P. Sharp.....	759,560	May 10	1982	405	110	469
Bedstead brace-clamp.....	H. F. Childs.....	753,262	Mar. 1	258	59	109	58
Bedstead. Cabinet.....	C. H. Tesch.....	773,606	Nov. 1	134	28, 29	113	35
Bedstead. Camp.....	H. R. Wykert.....	752,941	Feb. 23	4142	922	108	2013
Bedstead-canopy holder.....	J. M. Graham.....	759,098	May 10	2247	465	110	524
Bedstead-canopy support.....	I. E. Palmer.....	768,819	Aug. 30	3505	1158	111	2334
Bedstead-construction. Metallic.....	L. E. Palmer.....	772,175	Oct. 11	1944	429	112	1389
Bedstead-corner-fastening. Metallic.....	B. C. Barton.....	767,680	Aug. 16	3120	652	111	1768
Bedstead-fastener.....	J. P. Fulgham.....	773,282	Oct. 25	4339	914	112	1962
Bedstead-fastener.....	H. A. Dunham.....	755,285	Mar. 22	4049	808	109	934
Bedstead. Foldable.....	C. P. Brown.....	757,924	Apr. 19	3416	739	109	2107
Bedstead. Foldable metallic.....	C. P. Brown.....	759,073	May 3	967	196	110	220
Bedstead. Folding.....	C. P. Brown.....	773,468	Oct. 25	4708	994	112	2041
Bedstead. Folding.....	M. Benz.....	764,414	July 5	1032	210	111	230
Bedstead. Folding.....	S. W. Knott.....	768,757	Aug. 30	5385	1137	111	2310
Bedstead. Folding.....	A. Allendy.....	775,121	Nov. 15	3129	664	113	738

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Bedstead-guard	C. H. Wright	774,462	Nov. 8	1770	382	113	412
Bedstead head-rest	W. C. Feely	771,773	Oct. 4	1082	242	112	1190
Bedstead tray attachment	H. B. Hales	773,331	June 21	3287	709	110	3181
Bedstead. Wardrobe.	C. H. Teas	773,006	Oct. 11	1283	354	112	1311
Beehive	H. Davenes	758,203	Apr. 26	3971	861	109	2248
Beehive	C. Ludloff	771,377	Oct. 4	311	69	112	1027
Beehive	O. F. Kerr	773,571	Nov. 1	76	15	113	22
Beehive doorway and door	G. W. Jackson	708,370	Aug. 23	4557	957	111	2105
Beer, ale, or porter drawing machine. Steam.	A. L. Malone	767,302	Aug. 9	3375	406	111	1584
Beer-box	G. Klenk and J. F. Fink	778,080	Dec. 27	4386	958	113	2422
Beer-cooler.	W. Merz	777,121	Dec. 13	1319	291	113	1736
Beer-cooler coils. Device for protecting	J. Thuemling	759,450	Mar. 1	490	101	109	93
Beer-cooler tank	R. S. Valentine	765,112	July 12	2452	511	111	549
Beer-cooling apparatus	V. Oppl.	760,144	May 17	3140	656	110	740
Beer-heater, condenser, and continuous doubler. Combined	J. J. Corcoran	764,711	July 12	1681	344	111	388
Beer or water cooler.	R. S. Wiessensfeld	760,716	May 24	4248	902	110	1004
Beer. Pasteurizing	E. Wagner	768,550	Aug. 23	4940	1034	111	2183
Beer-pipe cooler and protector	A. F. Peterson	768,686	Aug. 30	5253	1105	111	2278
Beer under pressure. Carrying through the fermentation of bottom-fermented	V. Lapp	766,271	Aug. 2	271	52	111	1100
Beet blocker and cultivator	R. Mally	753,901	Mar. 29	5247	1160	109	1214
Beet-blocking machine	C. H. Derham	754,284	Mar. 8	2096	465	109	475
Beet-blocking machine	A. R. Mundt	754,682	Mar. 15	2944	642	109	675
Beet-lifter and toppler	E. J. Young	773,178	Oct. 25	4119	870	112	1916
Beet or cotton thinner	C. H. Smith and F. D. Giddings.	763,571	June 28	3872	840	110	2341
Beet-puller	L. H. Ireland	777,788	Dec. 20	2595	573	113	2027
Beet-puller	C. A. Dysle	755,118	Mar. 22	3746	823	109	871
Beet thinning and cultivating machine. Combined.	M. W. Palmer	772,819	Oct. 18	3224	702	112	1692
Beet-thinning device.	A. Ireland	753,338	Mar. 22	4072	902	109	929
Beet-topper	H. H. Hongland	750,831	Feb. 2	146	33	108	1089
Beet-topper	M. L. Caraway	764,423	July 5	1051	214	111	233
Beet-topper	D. T. Blevins, R. L. and W. R. Benton, and E. I. Raymond.	770,793	Sept. 27	3156	669	112	761
Beet toppler and lifter	G. L. Hayes	772,097	Oct. 11	1784	396	112	1337
Beet toppler and puller	E. O. Cady	774,646	Nov. 8	2113	403	113	495
Beet toppler, digger, and screener. Sugar.	I. Bentley	760,414	May 24	3627	766	110	806
Beet-topping apparatus	O. S. Martin	770,330	Dec. 27	4673	1022	113	2487
Beet-topping machine	J. H. Coast	759,863	May 17	2587	540	110	616
Beet-topping machine	L. L. Wilson	766,127	July 26	4451	954	111	1008
Beet-topping machine	D. W. St. and W. D. Buchtel, Jr.	771,395	Dec. 13	1935	405	113	1848
Beets. Machine for blocking sugar.	J. H. Uhl	753,451	Mar. 1	431	101	109	94
Bell	N. W. Crandall	753,369	Mar. 1	271	62	109	61
Bell	W. W. Dean	755,630	Mar. 29	4702	1045	109	1089
Bell	P. C. Arnold	761,128	May 31	5099	1083	110	1203
Bell	P. C. Arnold	770,211	Sept. 13	2025	427	112	472
Bell	R. H. Mayland	770,437	Sept. 20	2467	523	112	590
Bell. Automatic winding door.	V. B. Fuller	755,568	Mar. 22	4593	1015	109	1044
Bell. Electric	H. E. Dey	749,365	Jan. 12	1672	356	108	401
Bell for whistles. Tubular chime.	W. Rodette	771,120	Sept. 27	3816	806	112	909
Bell or signal cord hanger	O. Link	771,480	Oct. 4	505	114	112	1066
Bell. Revolving	J. P. McCann	759,003	May 8	836	170	110	193
Bells. Making	J. T. Duff	753,248	Mar. 1	62	15	109	16
Belt	L. Wertheim	748,900	Jan. 5	663	147	108	149
Belt	S. F. Zenger	751,132	Feb. 2	641	148	108	1107
Belt	F. Heyl	753,072	Feb. 23	4389	976	108	2070
Belt	G. A. Cutter	765,819	July 26	3867	823	111	881
Belt	O. Widen	776,631	Dec. 6	332	71	113	1502
Belt. Abdominal	A. B. Kendrick	750,983	Feb. 2	375	90	108	1140
Belt. Abdominal	M. Hazebaker	752,548	Feb. 16	3323	740	108	1816
Belt and garment fastener for supporting skirts or trousers.	G. Schmitt	750,709	Jan. 26	4252	924	108	990
Belt. Apparel-	J. A. Tessmer	756,734	Apr. 5	1039	230	109	1565
Belt-brushing apparatus. Conveyor.	C. K. Baldwin	766,013	July 26	4230	902	111	960
Belt cleaner and lubricator	J. B. Hall	778,191	Dec. 20	3426	753	113	2195
Belt-cleaning apparatus	J. G. Donaldson and J. H. McGargle.	764,435	July 5	1072	219	111	238
Belt clip. Catamenial-	A. E. Luzzi	774,191	Nov. 8	1284	272	113	307
Belt conveyor	J. M. Dodge	756,000	Apr. 5	777	169	109	1507
Belt-coupling	T. F. Smithson	772,385	Oct. 13	2778	612	112	1597
Belt-cutter and square	F. M. Linderman	777,088	Dec. 6	1159	252	113	1685
Belt-cutter, punch, and link-clencher. Combined.	L. Goldberger	775,419	Nov. 22	3810	806	113	919
Belt-dressing	G. Schlegel	775,119	Nov. 15	3127	892	113	738
Belt. Driving	A. Fritz	758,356	Apr. 28	4293	909	109	2318
Belt-fastener	I. Jackson	773,967	Mar. 15	2720	591	109	628
Belt-fastener	J. P. Junkin and A. Alexander	757,662	Apr. 19	2917	634	109	1999
Belt-fastener	J. C. Conn	767,473	Aug. 16	2714	570	111	1678
Belt-fastener	E. W. Blake	770,256	Sept. 20	2112	444	112	509
Belt-fastener	C. W. Breckenridge	770,450	Sept. 20	2493	520	112	986
Belt-fastener	E. Sirois	771,879	Oct. 4	115	26	112	986
Belt-fastener. Lady's	H. H. Taylor	755,811	Mar. 29	5070	1126	109	1172
Belt-fastener. Machine.	J. Schnorr	776,694	Dec. 6	455	101	113	1528
Belt-fastening device. Driving	A. H. B. Sharpe	750,404	Jan. 26	3653	799	108	871
Belt-fastening implement.	W. W. Woodley	757,589	Apr. 19	2772	606	109	1967
Belt. Garment-	J. Ewald	751,272	Feb. 2	931	212	108	1256
Belt-guide	H. E. Freiberg	751,625	Feb. 9	1556	354	108	1408
Belt-guide	I. D. Chritton	752,202	Feb. 16	2658	589	108	1608
Belt-guide	W. H. Bruthag	768,213	Aug. 23	4256	895	111	2038
Belt-guide and shifter	W. P. Ruth and W. H. Jones	761,545	May 31	5880	1260	110	1376
Belt-guide. Automatic.	G. S. Thompson	769,850	Sept. 13	1368	292	112	328

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Belt-holder	E. E. Robertson	750,222	Jan. 19	3839	721	108	773
Belt-holder	L. B. Garman	774,576	Nov. 8	1994	433	113	460
Belt holder or attaching device	H. Parkes	750,484	Jan. 26	3832	932	108	903
Belt-jack	F. O. Roberts	771,831	Oct. 11	1211	269	112	1293
Belt-joint	E. S. Buckley	752,512	Feb. 16	3252	725	108	1798
Belt-joint	J. W. Elstun	756,220	Apr. 5	56	13	109	1355
Belt. Link	M. O. Reeves	754,238	Mar. 8	2018	449	109	460
Belt-loop and garment-supporter. Combined	C. O. Barnes	776,486	Dec. 6	11	4	113	1436
Belt-loop attachment for garments. Button	J. D. Burns	758,350	Apr. 26	4285	921	109	2316
Belt or apron. Traveling	F. D. Mercer	753,995	Mar. 8	1556	347	109	359
Belt or apron. Wire	C. M. Swinscoe	766,742	Aug. 2	1232	261	111	1314
Belt or chain. Link	C. M. Lewis	770,081	Sept. 13	1774	376	112	418
Belt or girde. Extensible	G. Farrell	758,240	Apr. 26	4044	878	109	2362
Belt. Ore-concentrator	J. Kane	776,744	Dec. 6	563	123	113	1551
Belt-punching implement	W. W. Woodley	763,137	June 21	3009	649	110	2132
Belt. Rubber	J. W. Blodgett	760,054	May 24	4950	1049	110	1152
Belt-sanding machine dust-hood	C. S. Yarnell	760,834	May 24	4500	763	110	1030
Belt-shifter	E. Kuthe	755,678	Mar. 29	4787	1065	109	1108
Belt-shifter	H. J. Hoegh	756,020	Mar. 29	5488	1211	109	1261
Belt-shifter	K. J. Kuyk	771,478	Oct. 4	503	114	112	1066
Belt-shifter	W. N. Gartside	771,904	Oct. 11	1369	311	112	1265
Belt-shifter	C. Gelnay	777,949	Dec. 20	2964	565	113	2100
Belt-shifting device	J. Weichhart	767,616	Aug. 16	3010	629	111	1745
Belt-shifting mechanism	H. A. Houseman	749,863	Jan. 19	2665	570	108	630
Belt-shipper	E. Kottusch	774,358	Nov. 8	1588	340	113	374
Belt-shipper for pulleys	E. Kottusch	758,081	Apr. 26	3743	813	109	2196
Belt-splice	D. T. Clemons	766,930	Aug. 9	1666	350	111	1431
Belt-stretcher	J. B. Conner	757,272	Apr. 12	2097	457	109	1806
Belt-support	J. D. Gunn	773,254	Oct. 25	4271	903	112	1949
Belt support. Conveyor.	W. R. Smith	772,368	Oct. 25	3334	765	112	1730
Belt-tightener	F. P. Burkhardt	775,170	Nov. 29	5332	1127	113	1271
Belt-tightener. Automatic	H. E. Clark	776,726	Dec. 6	517	113	113	1541
Belt-tightener. Automatic	H. E. Clark	776,827	Dec. 6	740	162	113	1589
Belt tightener or stretcher	J. E. Griten and C. W. Frick	770,637	Sept. 20	2856	607	112	677
Belt. Waist.	A. Gallert	764,949	July 12	2245	464	111	506
Belt. Waist.	W. Hartung	768,941	Aug. 16	3628	767	111	1878
Belts. Automatic gripper for conveyor.	J. J. Ridgway	760,702	May 24	4217	896	110	996
Belting	C. E. Newton	750,299	Jan. 26	3491	755	108	826
Belting	E. Magaldi	761,519	May 31	5831	1247	110	1366
Belting.	T. Gingras	770,068	Sept. 13	1748	365	112	411
Belting and making same	L. P. Warner	758,286	Apr. 26	4145	896	109	2285
Belting and making same. Machine.	B. G. Harley	757,919	Apr. 19	3410	738	109	1967
Belting and making same. Textile fabric for	W. R. Smith	762,337	June 14	1437	311	110	1770
Belting and process of manufacture	G. O. Thomas and A. T. Shear	764,831	July 12	1924	394	111	457
Belting. Apparatus for treating textile fabrics in the manufacture of	W. R. Smith	762,356	June 14	1432	311	110	1769
Bench.							
See Seating-bench. Toy bench.							
Sewing-bench. Washbench.							
Bench-block	T. G. Lewis	765,344	July 19	2899	605	111	603
Bench-dog	J. H. Belser	758,407	Apr. 26	4385	942	109	2338
Bench-shears	G. J. Capewell	749,257	Jan. 12	1441	908	108	349
Bending device	T. Damm	753,553	Mar. 1	650	147	109	143
Bending-die	J. H. Barr	774,818	Nov. 15	2906	540	113	594
Bending-machine	J. F. Martin	753,801	Mar. 1	1162	262	109	249
Bending-machine	W. Vanderlinden	755,588	Mar. 22	4601	1022	109	1053
Bending-machine	J. J. Wood	757,078	Apr. 12	1717	373	109	1724
Bending-machine	S. L. Budd	758,897	May 3	641	127	110	151
Bending-machine	J. Arber	775,308	Nov. 15	3300	708	113	777
Benzols and their homologues. Manufacture of the.	A. Nikiforoff	755,309	Mar. 22	4096	905	109	943
Berry-box	E. M. Ayrill	774,300	Nov. 8	1481	318	113	351
Bevel	A. L. Morrow	773,419	Mar. 1	379	88	109	83
Bevel	E. A. Schade	769,325	Sept. 6	383	88	112	82
Bevel and square	J. Graff	753,064	Feb. 23	4371	973	108	2066
Bevel and square. Combination	L. and H. Schumacher	759,319	May 10	1516	305	110	366
Bevel and square. Combined	E. G. Tague	761,536	May 31	5908	1174	110	1292
Betting tool	J. J. Nolan	771,394	Oct. 4	89	19	112	981
Beverage	E. M. Roberts	775,249	Nov. 15	3440	705	113	817
Bias-cutter	C. J. Mitchell	771,738	Oct. 4	1001	224	112	1173
Bib or faucet	C. Peck	754,889	Mar. 15	3345	661	109	765
Bicycle	C. N. Stilson	754,720	Mar. 15	3028	662	109	696
Bicycle	C. E. Pierce	775,935	Nov. 29	4851	1027	113	1160
Bicycle	N. J. Greenison	775,661	Dec. 6	388	84	113	1514
Bicycle amusement apparatus	T. W. Eck	762,232	June 7	1170	251	110	1694
Bicycle attachment	W. 3993	750,393	Jan. 26	3659	795	108	885
Bicycle attachment	J. McLarty	750,480	Jan. 26	3824	831	108	901
Bicycle attachment	W. H. Bradley	754,043	Mar. 8	1642	365	109	378
Bicycle attachment	J. B. Rhodes	762,558	June 14	1874	365	110	1865
Bicycle-chair. Child's	E. Petersen	778,328	Dec. 27	3696	807	113	2273
Bicycle coaster-brake and hub	W. 9919	769,918	Sept. 13	1484	317	112	352
Bicycle driving mechanism	A. A. Kennedy	764,599	July 12	1444	294	111	332
Bicycle-frame	P. Haag	748,602	Jan. 5	85	22	108	21
Bicycle frame. Motor	E. Y. White	772,593	Oct. 18	2792	615	119	1600
Bicycle-gearing	H. F. Maynes	754,587	Mar. 15	3761	902	109	696

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Bicycle-gearing	C. S. Thompson and H. F. Maynes	754,621	Mar. 15	2820	615 616	109	649
Bicycle-gearing	H. F. Maynes	766,277	Aug. 2	285	57	111	1108
Bicycle-gearing and controlling mechanism therefor.	H. F. Maynes	776,750	Dec. 6	573	125	113	1553
Bicycle handle-bar	B. H. Sills	771,841	Oct. 11	1227	273	112	2266
Bicycle handle-bar	H. D. Griswold	774,421	Nov. 8	1696	363	113	397
Bicycle handle-bar support.	R. H. Tate	757,154	Apr. 12	1888	412	109	1762
Bicycle handle-bar support.	G. S. Tiffany	772,759	Oct. 18	3127	681	112	1671
Bicycle holder or support	J. Speir	774,995	Nov. 15	2859	612	113	679
Bicycle-lantern safety arrangement	A. Reisman	750,593	Jan. 26	3990	362	108	932
Bicycle-lock	J. Hirschenfeld	777,854	Dec. 20	2769	607	113	2059
Bicycle, Motor-	W. A. Suddard	750,317	Jan. 26	3532	703	108	837
Bicycle or cycle holder	J. F. Sargeant	764,774	July 12	1797	368	111	409
Bicycle-pedal toe-clip	C. F. Cooper	769,940	Sept. 13	1535	327	112	363
Bicycle propelling means	G. E. Wiley and W. I. Coley	751,226	Feb. 2	861	197	108	1240
Bicycle seat-post.	H. Clemons	759,673	May 10	2205	454	110	515
Bicycle sled-runner attachment.	A. Erickson and N. Larson	764,442	July 5	1094	223	111	242
Bicycle sleigh-runner attachment.	R. A. Meissner	773,070	Nov. 1	854	180	113	196
Bicycle, Snow-	J. E. Reed	755,170	Mar. 22	3842	848	109	591
Bicycle with rowing attachment	S. L. Batchelor	749,153	Jan. 12	1225	263	108	300
Bicycles, &c. Runner and propelling attachment for	J. H. Youngken	756,707	Apr. 5	1095	242	109	1577
Bicyclist's globe	A. Rosenthal	759,130	May 3	1069	217	110	243
Biglin	J. Koenig	770,553	Sept. 27	3305	698	112	794
Bill-head or statement-sheet and envelop	W. H. Bessinger	760,933	Sept. 13	1519	325	113	360
Bill or invoice	C. C. Tillinghast	776,862	Dec. 6	1011	216	113	1651
Billets. Manufacture of	W. B. Hughes	778,195	Dec. 20	2432	751 755	113	2197
Billiard-cloth. Compound	M. Bensinger	767,922	Aug. 16	3583	756	111	1869
Billiard-cue	A. Bourget and F. Robert, Jr.	773,139	Oct. 25	4138	874	113	1920
Billiard-cue and tip therefor.	G. Hoes	771,727	Oct. 4	327	221	112	1170
Billiard-cue bridge	K. Van Setres	774,621	Nov. 8	2074	452	113	476
Billiard-cue chalk-holder	E. J. Milligan and C. Duncan	751,994	Feb. 9	2153	486	108	1537
Billiard-cue rest	E. Blackburn	774,862	Nov. 15	2609	559	113	617
Billiard-cue tip and fastener	A. G. Brandt	773,553	Oct. 18	2712	596	112	1582
Billiard-cue tip-holder	E. Hebert	761,832	June 7	443	90	110	1537
Billiard or like cues. Mounting tips upon	L. P. C. Hodson	767,887	Aug. 16	3516	744	111	1855
Billiard or pool ball	H. L. Haskell and C. F. Brigham	753,392	Mar. 1	819	72	109	72
Billiard-register. Electric.	P. S. Hotchkiss	766,353	Aug. 2	424	90, 91	111	1134
Bin.							
See Dust or refuse bin.	Seed-bin.						
Elevator-bin.	Storage-bin.						
Grocery-bin.	Tilting bin.						
Screen-bin.							
Bin	M. S. Burdick	778,301	Dec. 27	3652	797	113	2263
Binder	E. Hermann	755,042	Mar. 22	3359	778	109	827
Binder	J. Montgomery	755,380	Mar. 22	4241	937	109	976
Binder	J. O. Deckert	756,159	Mar. 29	5725	1264	109	1318
Binder	W. N. Winfield and J. Barker	760,049	May 17	2938	613	110	696
Binder	H. E. Dade	762,150	June 7	1024	213 214	110	1660
Binder	W. K. Tewksbury	764,019	July 5	204	37	111	48
Binder	L. M. Leslie	767,157	Aug. 9	2118	441	111	1528
Binder	H. F. Huebster	767,277	Aug. 9	2336	489	111	1576
Binder	R. S. Robson and H. C. Blackmer	770,821	Sept. 27	3231	681	112	779
Binder	A. H. Denny	771,973	Oct. 11	1512	341	112	1294
Binder	T. A. Lottridge	773,659	Nov. 1	239	32	113	57
Binder	J. O. Deckert	774,509	Nov. 8	1869	406	113	434
Binder	H. P. Jones	775,280	Nov. 15	3352	714 715	113	788
Binder	E. L. Shipman	776,432	Nov. 29	5985	1232	112	1884
Binder and file for pamphlets, books, ledgers, &c.	F. B. Whitney	754,628	Mar. 15	2836	619	109	652
Binder and lock therefor	H. E. Dade	769,857	Sept. 13	1379	294 295	112	330
Binder attachment	H. J. Schwarze	762,093	June 7	922	190	110	1637
Binder attachment	A. M. Davis	764,431	July 5	1063	217	111	236
Binder. Catalogue	E. B. Little	776,324	Dec. 6	920	199	113	1629
Binder-cover	A. Hertje	753,071	Feb. 23	4387	976	108	2070
Binder draft attachment	J. S. Randall	765,594	July 19	3379	711	111	766
Binder. File	R. A. Oakley	772,430	Oct. 18	2468	541	112	1530
Binder for leaves or sheets. Adjustable.	F. E. Robinson	773,225	Oct. 25	4218	892	112	1938
Binder for ledgers, &c. Loose-leaf.	H. J. Moore	767,161	Aug. 9	2127	443 442	111	1530
Binder-frame	L. A. Jones	754,070	Mar. 8	1689	375 376	109	389
Binder-frame	A. W. Friskey	760,328	May 17	3475	731	110	815
Binder-frame	L. A. Jones	769,653	Sept. 13	925	211	112	222
Binder-frame. Loose-leaf	H. A. Lorenz	754,324	Mar. 8	2164	479	109	489
Binder-frame. Loose-leaf	F. Grimme	770,749	Sept. 27	3063	651	112	741
Binder. Cleaner attachment.	A. P. Patterson	770,979	Sept. 27	3539	744	112	847
Binder. Loose-leaf	J. W. Gardam	773,786	Nov. 1	372	82	113	58
Binder. Loose-leaf	G. A. Roedde	749,582	Jan. 12	2113	441	108	495
Binder. Loose-leaf	E. T. A. Akass	752,747	Feb. 23	3726	831	108	1921
Binder. Loose-leaf	A. Opalla	753,805	Mar. 1	1169	263	109	251
Binder. Loose-leaf	J. L. Hanson	754,766	Mar. 15	3101	677	109	713
Binder. Loose-leaf	J. L. McMillan	757,336	Apr. 12	2252	493	109	1638
Binder. Loose-leaf	J. W. Husing	757,660	Apr. 19	2915	630	109	1968
Binder. Loose-leaf	C. R. Nelson	760,799	May 24	4432	942 943	110	1041
Binder. Loose-leaf	S. H. Mitchell	762,427	June 14	1580	345	110	1801
Binder. Loose-leaf	H. G. Gresham and J. Schade, Jr.	763,176	June 21	3076	660	110	2151
Binder. Loose-leaf	G. P. Williams	762,583	June 28	3898	844	110	2345
Binder. Loose-leaf	R. S. Robson and H. C. Blackmer	764,502	July 5	1219	250	111	267

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Binder. Loose-leaf	L. A. Jones	764,665	July 12	1590	325	111	363
Binder. Loose-leaf	I. Wide	766,304	Aug. 2	337	70	111	1114
Binder. Loose-leaf	C. C. Maltby	767,159	Aug. 9	2121	442	111	1529
Binder. Loose-leaf	L. Anderson	767,197	Aug. 9	2193	457	111	1545
Binder. Loose-leaf	H. Tentschert	767,570	Aug. 16	3102	649	111	1765
Binder. Loose-leaf	I. Wide	768,335	Aug. 23	4339	913	111	2057
Binder. Loose-leaf	C. R. Nelson	770,020	Sept. 13	1681	357	112	397
Binder. Loose-leaf	C. R. Nelson	770,021	Sept. 13	1683	357	112	398
Binder. Loose-leaf	J. W. Gardam	773,727	Nov. 1	370	82	113	88
Binder. Loose-leaf	L. M. Leslie	774,093	Nov. 1	1114	237	113	252
Binder. Loose-leaf	G. F. Watt	775,057	Nov. 15	2389	636	113	707
Binder. Loose-leaf	F. M. Turck	776,703	Dec. 6	472	104	113	1531
Binder. Loose-sheet	A. Lawson	763,419	June 14	1560	342	110	1797
Binder. Low-down	D. L. Wolf	760,230	May 17	3494	718	110	800
Binder-machine binding mechanism	W. J. Clokey	773,546	Nov. 1	24	5, 6, 7	113	7
Binder. Temporary	J. L. C. Montague	750,676	Jan. 26	4197	910	108	977
Binder. Temporary	G. H. Gresham	751,499	Feb. 9	1317	301	108	1357
Binder. Temporary	J. R. Barrett	751,710	Feb. 9	1704	388	108	1439
Binder. Temporary	M. P. Jackson	752,559	Feb. 16	3348	744	108	1821
Binder. Temporary	J. P. Mentzer	754,791	Mar. 15	3160	688	109	724
Binder. Temporary	M. P. Exline	755,106	Mar. 29	5649	1247	109	1301
Binder. Temporary	G. A. Shoemaker	756,901	Apr. 12	1372	305	109	1651
Binder. Temporary	W. J. Rile	757,682	Apr. 19	2963	645	109	2008
Binder. Temporary	J. F. C. Oser	758,059	Apr. 19	2963	645	109	2008
Binder. Temporary	W. C. Vanden Berg	759,410	May 10	1708	346	110	407
Binder. Temporary	E. A. Trussell	760,042	May 17	2924	612	110	692
Binder. Temporary	G. W. Miller	762,182	June 7	1079	228	110	1673
Binder. Temporary	J. W. Amrath	764,206	July 5	715	145	111	158
Binder. Temporary	G. D. Banta	764,284	July 5	715	145	111	159
Binder. Temporary	A. T. Baxter	764,413	July 5	1030	210	111	223
Binder. Temporary	H. H. Rand	764,765	July 12	1781	304	111	406
Binder. Temporary	B. Briard and G. M. Bleh	765,355	July 19	2916	609	111	667
Binder. Temporary	J. B. Barlow	769,686	Sept. 13	1049	226	112	257
Binder. Temporary	L. Steinberger	771,974	Oct. 11	1514	341	112	1293
Binder. Temporary	T. A. Glendinning	774,516	Nov. 8	1880	408	113	436
Binder. Temporary	J. R. Barrett	774,550	Nov. 8	1949	422	113	450
Binder. Temporary	H. E. Wendland	775,099	Nov. 15	3077	654	113	726
Binder. Temporary	J. A. Greene	775,918	Nov. 29	4824	1022	113	1154
Binder. Transfer	T. R. Eddy	775,104	Nov. 15	3083	653	113	728
Binding	P. A. Woodward	757,990	Apr. 19	3544	767	109	2136
Binding apparatus. Loose-leaf	P. A. Eftofie	767,106	Aug. 9	2008	418	111	1507
Binding. Apparel-	B. J. Ricker	766,618	Dec. 6	305	67	113	1497
Binding or trussing mechanism. Sheaf	D. Roberts and J. Lowson	774,894	Nov. 15	2662	572	113	629
Binding-post	L. Steinberger	750,723	Jan. 26	4516	923	108	1003
Binding-post	S. C. Houghton	757,809	Apr. 19	3304	696	109	2061
Binding-post	H. J. Guttman	774,469	Nov. 8	1784	385	113	414
Binding-press	W. Stringer	758,871	May 3	590	116	110	142
Binocular. Folding	G. Fournier	759,170	May 3	1150	234	110	202
Bird-cage	J. A. Quinch	754,806	Mar. 15	3182	694	109	1730
Bird-trap	C. W. Gillis	755,762	Mar. 22	3684	808	109	858
Bird-trap	S. W. Wilt	777,579	Dec. 13	2202	483	113	1928
Biscuit-can	C. G. Bickle	758,734	May 3	314	61	110	79
Biscuit-coating machine. Sandwich-	G. S. Baker	775,642	Nov. 22	4293	906	113	1024
Biscuit-cups. Manufacture of	A. Judka	774,586	Nov. 8	2015	439	113	464
Biscuit stamping and cutting machine	T. and J. Vicars, Jr	760,827	May 24	4488	955	110	1054
Busiflute liquor. Apparatus for preparing	P. Drewsen and J. Parent	774,869	Nov. 15	2622	563	113	620
Bit.							
See Adjustable bit.	Driving-bit.						
Auger-bit.	Expansion-bit.						
Bridle-bit.	Molding-bit.						
Drill-bit.							
Bit	B. W. Kindig, Jr	750,199	Jan. 19	3294	712	108	764
Bit	F. Swales	760,355	May 17	3516	740	110	825
Bit-brace jaws	J. P. Bartholomew	777,657	Dec. 20	2359	518	113	1376
Bit-extender	W. B. Swan	759,042	May 3	907	184	110	208
Bit-gage	A. D. Campbell	772,211	Oct. 11	2014	444	112	1407
Bit-stock	J. Foit	764,295	Mar. 8	2131	470	109	481
Bit-stock	D. E. Trumbull	755,073	Mar. 22	3684	808	109	858
Blackboard composition	L. Conner	761,946	June 7	659	110	110	1584
Blackboard compound	L. Hornor	770,905	Sept. 27	3389	627	112	813
Blackboard-machine	W. T. Jordan	753,829	Mar. 1	1234	277	109	265
Blacking and polishing machines. Gear mechanism for boot or shoe	F. A. Curtis	771,861	Oct. 11	1573	285	112	1246
Blacking-machine	L. Wimmer	771,196	Sept. 27	3964	837	112	999
Blacking stand. Shoe	J. H. Harper	755,998	Mar. 22	3543	776	109	825
Blade-holder	O. Kampfe	767,695	Aug. 16	3149	658	111	1775
Blank	G. W. Heene	768,124	Aug. 23	4087	860	111	2003
Blank-feeding mechanism	J. R. Scott	760,082	May 17	2994	626	110	709
Blank-feeding mechanism	J. R. Scott	777,550	Dec. 13	2130	466	113	1913
Blank. Negotiable-instrument	P. S. Nagle	760,550	May 24	3900	828	110	929
Blank. Statement	G. W. Donning	759,215	May 3	1277	256	110	291
Blanks. Mechanism for feeding thin flat flexible	L. A. Mayall	757,667	Apr. 19	2930	637	109	2001
Blanking-machine	H. L. Bradley	759,070	May 3	956	195	110	218
Blanket attachment	E. S. Burwell	773,193	Oct. 25	4142	875	112	1921
Blanket-holder	C. Z. Russell	759,921	May 17	2684	563	110	637
Blanket or strap fastener	F. T. Beatty	777,585	Dec. 13	2212	485	113	1930

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & C.	Vol.	Page.
Blast-charger	J. Lord	774,590	Nov. 8	2920	441	113	465
Blast-furnace	J. W. Pack	754,337	Mar. 8	2138	486	109	495
Blast-furnace	G. K. Hamfeldt	759,991	May 17	2835	593	110	472
Blast-furnace	A. Latto and J. C. Callan	772,723	Oct. 18	3047	667	112	1654
Blast-furnace	J. Coyne	777,498	Dec. 13	2023	446	113	1890
Blasting	C. O. Frye	770,459	Sept. 20	2504	532	112	599
Blasting charges. Machine for preparing	F. J. Traysac	754,830	Mar. 15	3226	702	109	740
Blasting compound	J. Tollner	757,693	Apr. 19	2981	606	109	2012
Bleaching and dyeing apparatus	A. Holle	767,563	Aug. 16	2900	607	111	1720
Bleaching barytes and recovering Glauber salt	W. D. Gilman	770,963	Sept. 27	3506	607	112	841
Bleaching materials. Apparatus for electrically	A. A. Vogelsang	756,745	Apr. 5	1058	235	109	1569
Blind-adjuster	I. L. Garside	776,317	Nov. 29	5592	1185	113	1329
Blind. Balanced roller	F. J. Watkinson	772,300	Oct. 11	2194	480	112	1449
Blind clip. Venetian-window	F. Tenney	757,155	Apr. 12	1891	412	109	1762
Blind-fastener	H. A. Schmidt	755,052	Mar. 22	3634	797	109	846
Blind-fastener	T. A. Upson	777,160	Dec. 13	1879	304	113	1749
Blind fitting. Window	E. C. Harris	749,289	Jan. 12	1520	323	108	365
Blind-lock	R. H. Ashmore	765,539	July	3286	688	111	746
Blind lock. Window	W. F. Stough	750,730	Jan. 26	4330	935	108	1006
Blind or shutter. Window	G. Jarrett	749,966	Jan. 19	2668	613	108	674
Blind-rod clamp	J. F. Miller	768,135	Aug. 23	4111	864	111	2007
Blind. Venetian	F. W. Johnson	771,370	Oct. 4	300	66	112	1025
Blinds. Cord guiding and gripping device for Venetian	G. F. French	764,047	July 5	266	49	111	61
Blinds, maps, &c. Roller for window	T. A. Ambrose	760,367	May 17	3533	744	110	829
Blinds, shutters, doors, &c. Fastener for Block	G. Darling	755,637	Mar. 29	4697	1045	109	1088
See Bench-block. Insulating-block.							
Building-block. Paving-block.							
Building or paving block. Printer's plate-block.							
Chock-block. Printing-block.							
Chopping-block. Pulley-block.							
Composite block. Snatch-block.							
Concrete building-block. Stereotype-block.							
Curtain-block. Stone building-block.							
Derailing-block. Switch-block.							
Fireproof building-block. Tackle-block.							
Fuel block. Tailor's block.							
Fuse-block. Toy block.							
Fuse-block. Tramway-block.							
Fuse-block. Wheel-block.							
Block	T. R. Ferrall	774,870	Nov. 15	2624	564	113	620
Block and tackle	J. O. Walton	756,746	Apr. 3	1063	297	109	1570
Block composition	A. W. Perkins	767,435	Aug. 16	2639	471	111	1661
Block machine. Plastic	J. W. Wilson	772,319	Oct. 11	2236	490	112	1458
Block-making machine. Hollow	W. R. Cunningham	767,737	Aug. 16	3214	677	111	1790
Block-mold	J. C. Miller	767,418	Aug. 16	2600	547	111	1632
Block-molding machine	J. P. Normandin	763,942	June 28	4592	1003	110	2495
Block-molding machine	W. Sanderson	768,150	Aug. 23	4133	870	111	2012
Block-molding press. Composition	G. F. Fisher	770,360	Sept. 20	2339	492	112	564
Block-press	R. G., and A. Arnsen	770,251	Sept. 20	2101	442	112	507
Block-signal	C. H. Morse	767,952	Aug. 16	3643	771	111	1881
Block-signal	C. H. Morse and C. F. Hopewell	772,665	Oct. 18	2917	640	112	1626
Block-signal and safety system. Electric automatic	G. P. Finnigan	772,278	Oct. 11	2152	470	112	1439
Block-signal and track-switch operating device	C. R. Van Trump	768,411	Aug. 23	4665	978	111	2136
Block-signal. Automatic electric	W. A. Luby	763,411	June 28	3580	772	110	2279
Block-signal. Electrical	H. Brooks	773,369	Oct. 25	4501	953	112	1998
Block-signal system	J. Weatherby, Jr.	748,824	Jan. 5	505	116	108	114
Block-signal system	F. B. Corey	769,963	Sept. 13	1610	343	112	379
Block-signal system	H. W. Souder	773,040	Oct. 25	3685	793	112	1812
Block-signal system	T. Silvene	777,353	Dec. 13	1749	388	113	1830
Block-signal system. Electric	L. C. Werner	749,710	Jan. 12	2360	498	108	547
Block-signal system. Electric	C. W. S. Turner	752,812	Feb. 23	3846	862	108	1947
Block-signal system. Electric	T. Silvene	760,159	May 17	3166	641	110	746
Block-signal system. Electric	L. C. Werner	762,509	June 14	1749	375	110	1837
Block-signal systems. Signal mechanism for	J. Weatherby, Jr.	772,548	Oct. 18	2698	592	112	1579
Block system. Electric	C. C. Robinson	750,223	Jan. 19	3340	593	108	773
Block-system emergency apparatus	F. V. Thompson	757,692	Apr. 19	2978	648	109	2011
Block system of control. Electromagnetic	G. Thompson	765,212	July 19	2635	549	111	607
Blocking and cultivating machine	T. McEwing	765,900	July 26	4005	855	111	912
Blood. Producing a nutritive substance from	J. Hofmeier	778,783	Dec. 27	4569	912	113	2463
Bloom-shears	C. L. Taylor	775,478	Nov. 22	3982	830	113	944
Blotter	D. Sarason	757,921	Apr. 19	3412	739	109	2106
Blotter attachment. Desk	J. I. Haycraft	751,617	Feb. 9	1542	350	108	1404
Blotter-holder	C. Davison	763,017	June 21	2778	602	110	2081
Blotter-holder	H. T. Patterson	763,646	June 28	4007	874	110	2369
Blotting-pad	J. A. Walsh	732,140	Feb. 16	2537	569	108	1644

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr-g.	Vol.	Page.
Blouse. Boy's.....	S. Hirsch.....	776,324	Nov. 29	5604	1188	113	1332
Blow-off mechanism.....	J. M. Fagan.....	774,057	Nov. 1	1043	223	113	235
Blow-out chute.....	F. B. Corey.....	760,850	May 24	4528	965	110	1063
Blow-testing apparatus.....	H. G. Cady.....	750,533	Jan. 26	4053	877	108	946
Blower.....	J. E. Kelley.....	773,847	Dec. 6	789	169	113	1597
Blower and fire-screen. Combined.....	A. S. Bloom and A. E. Krebs.....	772,918	Oct. 25	3439	746	112	1758
Blower. Pneumatic.....	D. R. Gardiner.....	751,627	Feb. 9	1564	355	108	1409
Blower. Pressure.....	A. W. Case.....	757,267	Apr. 12	2089	455	109	1804
Blower. Steam.....	I. A. Fraser.....	749,050	Jan. 5	1005	212	108	235
Blowing-engine.....	E. Reynolds.....	754,162	Mar. 8	1863	416	109	428
Blowpipe.....	E. H. Fosdick.....	773,203	Oct. 25	4177	881	112	1928
Blowpipe and burner. Combined.....	R. C. Brophy.....	760,099	Nov. 17	3036	634	110	719
Blowpipe for soldering, &c. Automatic slide-valve gas and air.....	J. L. Le Man.....	774,059	May 1	1107	235	113	250
Blue-burner.....	H. Hurwitz and A. Schapiro.....	756,369	Apr. 5	362	74	109	1421
Blue-red lake and making same.....	G. Gullbransson.....	757,109	Apr. 12	1786	109	109	1738
Bluing device.....	C. R. Groff.....	750,847	Feb. 2	131	80	108	1086
Bluing device.....	A. Acheson.....	774,902	Nov. 15	2981	576	113	1597
Bluing-stick.....	L. N. Ippenlatz.....	769,800	Sept. 13	1255	270	112	301
Board:							
See Bulletin-board.	Kneading-board.						
Composite board.	Music-board.						
Cooling-board.	Order-board.						
Cutting-board.	Panel-board.						
Distribution and in-	Pressing-board.						
formation board.	Scoop-board.						
Drawing-board.	Scouring-board.						
Game-board.	Sign-board.						
Guard-board.	Washboard.						
Ironing-board.	Writing-board.						
Board-feeding machine.....	V. T. Johnson.....	773,930	Nov. 1	818	172	113	182
Board for building purposes.....	A. B. Keyes.....	757,812	Apr. 19	3210	697	109	2068
Boards from structures. Implement for detach-	F. Guenther.....	757,915	Apr. 19	3402	737	109	2104
ing.....							
Boards of different widths. Device for assort-	T. B. Rice, Jr.....	769,567	Sept. 6	833	178	112	188
ing.....	A. Viert.....	749,412	Jan. 12	1764	373	108	419
Boat.....	J. C. Nichol.....	757,832	Apr. 19	3243	704	109	2069
Boat.....	J. P. Hickey.....	761,835	June 7	448	91	110	1538
Boat.....	C. A. Manker.....	763,684	June 28	4084	889	110	2387
Boat.....	G. W. C. Lomb.....	769,484	Sept. 6	689	147	112	157
Boat and propelling means therefor.....	F. W. Smith.....	772,384	Oct. 18	2973	522	112	1509
Boat-chock.....	I. A. Lemm.....	756,661	Apr. 5	383	135	109	1531
Boat compensating device. Submarine.....	L. Y. Spear.....	773,399	Dec. 27	3739	814	113	2280
Boat compensating device. Submarine.....	F. T. Cable.....	778,350	Dec. 27	3751	817	113	2283
Boat-detaching apparatus.....	J. R. Raymond.....	751,205	Feb. 2	783	179	108	1224
Boat-detaching device. Life.....	A. N. Anderson.....	761,809	June 7	398	81	110	1525
Boat. Folding.....	C. F. Kilgore.....	764,473	July 5	1153	234	109	1363
Boat. Glass-bottom.....	L. Larson.....	756,244	Apr. 5	102	313	109	1363
Boat-launching apparatus.....	J. Brauchli.....	759,340	May 10	1558	314	110	374
Boat-launching apparatus. Life.....	W. F. Powers.....	755,241	Mar. 22	3971	580	109	917
Boat-leak detector. Portable automatic.....	W. F. Cogan.....	766,811	Aug. 9	4118	996	111	1376
Boat. Life.....	R. A. Brown.....	748,919	Jan. 5	698	153	108	158
Boat. Life.....	R. D. Mayo.....	768,534	Aug. 23	4898	1026	111	2184
Boat. Life.....	R. D. Mayo.....	769,316	Sept. 6	363	83	112	75
Boat. Life.....	R. A. Brown.....	770,641	Dec. 6	346	74	113	1504
Boat. Life.....	R. D. and R. D. Mayo.....	778,421	Dec. 27	3897	849	113	2317
Boat-lowering device. Life.....	J. F. Becker.....	758,043	Apr. 26	3667	793	109	2182
Boat. Metal.....	S. D. Noel.....	753,425	Mar. 1	391	91	109	85
Boat or launch.....	J. C. Burcher.....	776,493	Dec. 6	27	7	113	1429
Boat. Pleasure.....	J. Morgenthau.....	771,382	Oct. 4	819	71	112	1028
Boat. Submarine.....	S. Lake.....	756,090	Mar. 29	5303	1214	109	1270
Boat ventilator. Submarine.....	L. Y. Spear.....	762,498	June 13	1730	372	110	1833
Boat. Water-bicycle.....	C. Wasek.....	764,086	July 5	353	68	111	78
Boats. Ballast-compartment for submarine.....	S. Lake.....	754,222	Mar. 8	1985	442	109	433
Boats. Buoyancy-regulating apparatus for sub-	L. Y. Spear.....	772,970	Oct. 25	3537	765	112	1780
marine.....	J. J. Lefinski.....	760,218	May 17	3277	688	110	771
Boats, &c. Driving-gear for.....	T. Thomson.....	772,462	Oct. 18	2580	567	112	1554
Boats from one body of water to another. Appa-	W. I. Stimpson.....	758,715	May 3	267	53	110	69
ratus for transferring.....	J. E. Lemyre.....	762,422	June 14	1267	344	110	1798
Bobbin.....	V. Bélanger.....	768,735	Aug. 30	5327	1122	111	2296
Bobbin.....	V. Bélanger.....	768,726	Aug. 30	5327	1122	111	2296
Bobbin.....	V. Bélanger.....	768,727	Aug. 30	5328	1122	111	2296
Bobbin.....	J. G. Bierich.....	773,155	Oct. 25	4193	873	113	1919
Bobbin.....	F. Clark.....	777,030	Dec. 6	1078	234	113	1606
Bobbin and spindle connector.....	F. W. Savorski.....	760,704	May 24	4226	897	110	999
Bobbin-clutching means for rotatable spindles.....	W. E. Allen.....	769,675	Sept. 6	1027	222	112	235
Bobbin for twisting and drying yarns.....	G. Poure.....	767,438	Aug. 16	2643	555	111	1602
Bobbin-holder.....	J. Roney and J. C. Rae.....	763,088	June 7	309	188	111	1634
Bobbin. Shuttle.....	A. G. Lamb.....	774,188	Nov. 8	1679	271	113	306
Bobbins. Mechanism for removing waste yarn from.....	A. Makepeace.....	761,976	June 7	714	146	110	1505
Bodkin.....	A. V. J. Ireland.....	759,283	May 10	1450	289	110	352
Bodkin.....	M. L. Hotchkiss.....	774,585	Nov. 8	2015	459	113	464
Bodkin.....	A. W. and I. R. Smith.....	775,862	Nov. 22	4768	997	113	1111
Body-brace.....	J. U. Adams.....	766,863	Aug. 9	1521	318	111	1397
Body-brace and corset. Combined.....	H. C. Rash.....	755,547	Mar. 22	4528	1007	109	1036
Body-loop.....	M. Woodhull.....	777,875	Dec. 20	2901	615	113	2069

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Boiler:							
See Agricultural boiler.	Sectional boiler.						
Culinary boiler.	Smokeless boiler.						
Domestic boiler.	Stand-boiler.						
Double boiler.	Steam-boiler.						
Egg-boiler.	Tubular boiler.						
Flash-boiler.	Upright boiler.						
Gas-fired boiler.	Vegetable-boiler.						
Heating-boiler.	Vertical boiler.						
Hot-water boiler.	Vertical tubular boiler.						
Locomotive-boiler.	Wash-boiler.						
Multitubular boiler.	Water-tube boiler.						
Boiler	J. W. Tallman	750,909	Feb. 2	247	55	108	1112
Boiler	J. C. Bromley	751,453	Feb. 9	1241	283	108	1339
Boiler	J. Collis	752,758	Feb. 23	3743	835	108	1924
Boiler	H. W. White	756,754	Apr. 5	1073	239	109	1572
Boiler	J. C. Beckley	760,840	May 24	4509	960	110	1058
Boiler	A. A. Ball, Jr.	761,190	May 31	5101	1084	110	1203
Boiler	W. R. Macklind	761,313	May 31	5468	1161	110	1282
Boiler	A. J. Peet	761,394	May 31	5626	1197	110	1319
Boiler	W. Jack	762,237	June 7	1183	253	110	1696
Boiler	G. Maffit and T. T. Parker	764,611	July 12	1466	299	111	337
Boiler	E. H. Schwartz	771,278	Oct. 4	113	25	112	986
Boiler	R. Viard	771,513	Oct. 4	581	130	112	1082
Boiler	J. M. Pearson	771,570	Oct. 4	697	155	112	1107
Boiler	J. M. McClellon	771,657	Oct. 4	861	193	112	1143
Boiler	E. G. Rust	772,297	Oct. 11	2189	478	112	1447
Boiler	E. T. Copeland	774,832	Nov. 15	2544	547	113	602
Boiler	F. S. Whitelaw	778,017	Dec. 27	4276	933	113	2337
Boiler-alarm	A. Altmann	766,576	Aug. 2	890	187	111	1237
Boiler and furnace. Combined	W. W. Bonson	756,822	Apr. 12	1210	270	109	1619
Boiler and furnace. Combined	W. W. Bonson	773,779	Nov. 1	462	102	113	109
Boiler attachment. Steam-	T. Mills	749,314	Jan. 12	1562	331	108	377
Boiler-brace	E. Cook	750,607	Jan. 26	4075	882	108	950
Boiler-brace	J. A. Pement	752,466	Feb. 16	3170	706	108	1780
Boiler-check	A. B. Haller	763,881	June 28	4474	974	110	2469
Boiler circulating system. Steam-	W. J. Macdonald	753,991	Mar. 8	1544	345	109	357
Boiler cleaner. Locomotive.	C. G. Talmage	759,487	May 10	1850	373	110	440
Boiler cleaner. Steam-	J. A. Grille	758,835	May 3	509	103	110	122
Boiler cleaner. Steam-	A. J. Schevers	768,152	Aug. 23	4139	871	111	2014
Boiler-cleaning apparatus.	F. L. Egan	762,625	June 14	1996	431	110	1890
Boiler-cleaning compound.	J. McCormack	750,682	Jan. 26	4205	—	108	979
Boiler-cleaning compound.	N. López	770,976	Sept. 27	3526	—	112	846
Boiler-cleaning apparatus	J. Carter and J. W. Eaton	761,654	June 7	45	7	110	1445
Boiler cooling device. Water-tube.	E. Mettler	776,479	Nov. 29	5918	1249	113	1405
Boiler damper-regulator. Steam-	L. E. Osmann	753,581	Feb. 10	3384	755	108	1829
Boiler drying attachment.	W. B. Swartwout	753,446	Mar. 1	495	100	109	92
Boiler end plate.	G. Y. Bonus	768,011	Aug. 16	3816	797	111	1920
Boiler fire-box.	R. Scheliga	777,733	Dec. 20	2520	557	113	2012
Boiler fire-box. Steam-	W. H. Thornley	769,417	Sept. 6	552	120	112	125
Boiler-flue.	A. Taggart, Jr.	739,043	May 3	908	184	110	208
Boiler-flue cleaner	P. F. Vogt	767,854	Aug. 16	3454	731	111	1841
Boiler-flue construction	T. A. Lee	756,246	Apr. 5	107	23	109	1364
Boiler-flue cutter	J. W. Faessler	768,437	Aug. 23	4721	990	111	2147
Boiler-flue cutter	C. C. Bull	778,785	Nov. 1	474	104	113	111
Boiler-flue cutting-out, expanding, or beading machine	C. E. Loetzer	766,713	Aug. 2	1174	245	111	1303
Boiler-flue work. Apparatus for	J. W. Faessler	769,310	Sept. 6	355	81	112	76
Boiler-furnace	J. H. Foote	753,059	Feb. 23	4364	972	108	2064
Boiler-furnace	S. R. Thompson	755,076	Mar. 22	3682	808	109	857
Boiler-furnace	S. R. Thompson	755,077	Mar. 22	3683	808	109	858
Boiler-furnace	J. F. Lester	770,393	Sept. 20	2393	506	109	1427
Boiler-furnace	J. S. Roake	770,984	Sept. 27	3538	746	112	849
Boiler-furnace	H. L. Meyer	776,143	Nov. 29	5273	1114	113	1258
Boiler-furnace for burning wet material. Steam-	H. E. Parson	762,344	June 14	1412	305	110	1765
Boiler-furnace. Locomotive or other.	F. E. Kingsley	748,748	Jul. 5	361	81	108	81
Boiler furnace.	H. Hyatt and J. M. Wight	752,681	Feb. 23	3261	803	108	1893
Boiler furnace. Steam.	L. G. M. West	755,972	Mar. 29	5394	1191	109	1247
Boiler furnace. Steam.	J. W. Stillwell	764,314	July 5	803	164	111	177
Boiler furnace. Steam.	G. Kimball	765,977	July 26	4153	887	111	945
Boiler furnace. Steam.	D. L. Shaffer	770,122	Sept. 13	1853	394	112	435
Boiler furnace. Steam.	A. Q. Nash	775,116	Nov. 15	3122	623	113	737
Boiler furnace. Steam.	J. H. Carrigan	777,331	Dec. 6	277	61	113	1491
Boiler furnace. Steam.	G. S. Neeley	777,331	Dec. 13	1699	376	113	1819
Boiler glass water-gage. Steam-	G. S. Neeley	775,134	Mar. 29	3602	1256	109	1310
Boiler-headers. Forming	J. P. Sneddon	755,718	Mar. 29	4876	1084	109	1131
Boiler jacket. Automobile steam-	C. F. Jewett	751,650	Feb. 9	1601	364	108	1417
Boiler purifier. Steam.	N. W. and S. Yantis	757,382	Apr. 12	2342	510	109	1856
Boiler safety device	P. J. Lockwood	758,383	Aug. 23	4631	967	111	2126
Boiler safety device	P. J. Lockwood	758,384	Aug. 23	4632	967	111	2127
Boiler-setting	A. Worthington	771,290	Oct. 4	133	30	112	990
Boiler-stand	E. L. Walcott	770,406	Sept. 20	2415	510	112	580
Boiler-stand.	C. J. Eite	772,555	Nov. 1	46	10	113	14
Boiler stay-bolt	J. Peters and J. Coleman	770,651	Sept. 20	2679	612	112	683
Boiler superheater. Steam-	E. T. Hannam	748,945	Jan. 5	759	164	108	172
Boiler superheater. Steam-	F. J. Cole	765,307	July 19	2814	586	111	645
Boiler systems. Controlling mechanism for flash-	H. Temp.	772,419	Oct. 18	2445	536	112	1525

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Boiler-tube	T. W. Barber	755,558	Mar. 22	4545	1011	109	1040
Boiler-tube	J. and A. Niclausse	760,475	May 24	3753	794	110	895
Boiler tube and flue scraper	C. E. Lloyd	766,712	Aug. 2	1172	795	111	1302
Boiler-tube caps and their seats. Tool for facing	H. F. Weinland	752,734	Feb. 23	3706	827	108	1917
Boiler-tube cleaner	J. P. Prentice	759,468	May 10	1815	366	110	432
Boiler-tube cleaner	H. C. Ryding	765,680	July 26	3570	757	111	833
Boiler-tube cleaner	J. A. Sagerdahl	774,699	Nov. 8	2219	484	113	509
Boiler-tube cleaner	E. Mettler	776,478	Nov. 29	5917	1249	113	1405
Boiler-tube cleaners. Turbine-motor for	H. F. Weinland	776,577	Dec. 6	839	180	113	1611
Boiler-tube cutter	E. Shackelford	764,636	July 12	1525	312	111	350
Boiler-tube cutter	E. Shackelford	764,637	July 12	1527	312	111	350
Boiler-tube-detaching implement	H. A. Poppenhusen	760,148	May 17	8146	658	110	742
Boiler-tube expansion-plug	G. Peterson	778,068	Dec. 20	3190	702	113	2146
Boiler-tube fastening	G. Wettels	764,088	July 5	356	69	111	78
Boiler-tube ferrule	A. Cruise	762,807	June 14	2369	515	110	1970
Boiler-tube heat-circulator	J. Philp	754,342	Mar. 8	2194	488	109	496
Boiler-tube joint	F. Stratner	756,429	Apr. 5	451	100	109	1445
Boiler-tube plug	T. H. Devaney	778,638	Dec. 27	4326	944	113	2411
Boiler-tube stopper	H. T. Mason	760,340	May 17	3493	735	110	819
Boiler tubes or stay-bolts. Fastening for steam	M. M. Massey and G. Spooner	749,210	Jan. 12	1348	290	108	331
Boiler water-column. Steam	G. H. Holland	755,875	Mar. 29	5205	1151	109	1205
Boiler water-gage	E. F. Shallow	771,100	Sept. 27	3773	795	112	899
Boiler water-gage. Steam	J. S. Livengood	764,738	July 12	1728	353	111	393
Boilers. Cleaning and restoring	D. Best	773,915	Nov. 1	772	162	113	178
Boilers. Apparatus for circulation in	H. Altmayer	768,322	Aug. 23	4464	937	111	2684
Boilers. Apparatus for feeding anti-incrustation fluid into	A. McWilliams	778,459	Dec. 27	3981	866	113	3394
Boilers. Apparatus for maintaining the water-line in steam	G. I. Rockwood	770,314	Sept. 20	2259	473	112	546
Boilers by exhaust-steam. System of heating	J. Nadrowski	774,394	Nov. 8	1548	331	113	365
Boilers. Cleaning and restoring	A. R. Raymer	757,839	Apr. 19	3257	706	109	2072
Boilers. Device for preventing incrustation of steam	J. M. Mathews	755,027	Mar. 22	3592	789	109	836
Boilers. Lantern and lantern-plug for water-tube	J. P. Sneddon	752,871	Feb. 23	3962	888	108	1973
Boilers, &c. Spring clamp or holder for lids or covers of puddling	D. Macfarlane	775,603	Nov. 22	4398	915	113	1093
Boilers. Tubular fire-box for steam	W. N. Best	778,165	Dec. 20	3371	742	113	2186
Boiling hams. Holder for	H. A. Kurlfinke	759,451	May 10	1775	359	110	421
Boll-weevil catcher	S. V. Ivey	754,873	Mar. 15	3314	732	109	759
Boll-weevil machine. Pneumatic	W. B. Miller	752,790	Feb. 23	3798	849	108	1987
Boll-weevils. Compound for destroying	G. C. Kitchen	768,806	Aug. 30	5173	733	111	2329
Bolster	F. S. Ingoldsby and J. R. Bowling	749,293	Jan. 12	1524	324	108	366
Bolster	J. S. Andrews	753,112	Feb. 23	4454	940	108	2083
Bolster	J. Perrie, E. Carlson, and J. Perrie	773,574	Nov. 1	299	62	113	64
Bolster	S. P. Bush	776,045	Nov. 29	5092	1075	113	1217
Bolster attachment	G. J. Friend	748,600	Jan. 5	82	22	108	20
Bolster. Body	J. Shelton	762,206	June 7	1125	241	110	1683
Bolster. Body	J. Green	763,275	June 21	2383	708	110	2192
Bolster. Body	G. G. Floyd	777,721	Dec. 20	2462	542	113	1998
Bolster. Metal	A. B. Bellows	752,508	Feb. 16	3246	723	108	1707
Bolster-spring crank-plate	G. B. Freeman	760,977	May 24	4771	1015	110	1115
Bolster-standard	N. Halvorsen	776,020	Nov. 29	5049	1065	113	1206
Bolt							
See Bolt stay-bolt. King-bolt.							
Door-bolt. Sash-bolt.							
Expansion-bolt. Stay-bolt.							
Flush bolt.							
Bolt	F. P. Pfeleghar	758,333	Apr. 26	4255	914	109	2310
Bolt	E. A. Moore and W. H. Hart	777,686	Dec. 20	2402	528	113	1985
Bolt	E. A. Moore and W. H. Hart	777,687	Dec. 20	2403	528	113	1985
Bolt-actuator	W. F. Gilbert	767,400	Aug. 16	2569	541	111	1645
Bolt-anchor	H. B. Newhall	770,032	Sept. 13	1685	398	112	398
Bolt-anchor	F. C. Palmer	777,134	Dec. 13	1341	297	113	1741
Bolt and nut lock	W. H. Smith	760,812	May 24	4456	949	110	1047
Bolt and nut lock	E. R. Post	770,384	Sept. 20	2382	503	112	573
Bolt and nut lock	J. Leightonham	770,972	Sept. 27	3518	742	112	843
Bolt-clipper	H. K. Porter	751,202	Feb. 2	779	178	108	1283
Bolt-clipper	A. A. Roberts	769,857	Sept. 6	440	98	112	97
Bolt-clipper. Gig-saddle	C. O. Harris	771,145	Sept. 27	3868	816	112	919
Bolt-cutter	R. W. Slaughter	768,347	Aug. 23	4509	948	111	2094
Bolt-cutter	C. K. Lassiter	774,676	Nov. 8	2176	476	113	498
Bolt-cutting machine	C. W. Dehn	770,270	Sept. 20	2159	419	112	532
Bolt-heading machine	H. O. Olson	757,409	Apr. 12	2394	521	109	1867
Bolt heading or upsetting machine attachment	J. Skelton	772,748	Oct. 18	3110	677	112	1667
Bolt-holder	H. A. Parson	757,142	Apr. 12	1857	406	109	1755
Bolt-holding implement	J. S. Scott	749,454	Jan. 12	1868	388	108	439
Bolt pointing and threading machine	C. R. Moon	773,513	Oct. 25	4825	1017	112	2068
Bolt-puller	A. J. Thatcher	769,032	Aug. 30	5951	1246	111	2437
Bolt-reinforcer	M. Hirsch	765,139	July 12	2501	522	111	550
Bolt-thread cutter and wrench. Combined	E. L. Coddington	778,115	Dec. 20	3281	721	113	2164
Bolt-threading head	W. Rievaldt	753,739	Mar. 1	1004	228	109	216
Bolt-turning head	B. D. Jackson	760,993	May 24	4797	1020	110	1120

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Bolting-machine cloth-cleaning brush. Flour.	L. Jones	771,074	Sept. 27	3727	786	112	887
Bolting-machine driving mechanism. Sieve.	J. Fraser and A. G. Mather	756,950	Apr. 12	1465	324	109	1670
Bolting-machine. Sieve.	J. Fraser and A. G. Mather	758,907	May 3	656	131	110	155
Bolting-mill.	A. Renault and G. Cusson	757,227	Apr. 12	2016	438	109	1789
Bolting or sifting machine.	A. Klein	765,668	July 26	3551	750	111	818
Bolting-sieve cleaner.	C. A. Shultz	754,821	Mar. 15	3211	700	109	736
Bomb.	G. Suppnick	760,820	May 24	4471	951	110	1050
Bomb-lance.	F. E. Brown	763,147	June 21	3037	653	110	2138
Bone-black-drying apparatus.	M. Weinrich	769,421	Sept. 6	557	122	112	126
Bone-holding device.	K. Wintsch, Jr.	757,166	Apr. 12	1907	416	109	1766
Book.	G. C. Kimball	771,555	Oct. 4	673	150	112	1102
Book. Account.	J. H. Rand	748,789	Jan. 5	430	98	108	96
Book and copy-holder. Stenographer's note.	E. Sixbey	756,147	Apr. 26	4000	868	109	2254
Book and index. Balance.	E. Sexton	756,127	Mar. 29	5709	1260	109	1314
Book attachment. Account.	W. H. Sammons	752,864	Feb. 23	3950	886	108	1970
Book-binding.	H. Eggersglüss.	776,651	Dec. 6	368	79	113	1509
Book-binding.	C. Chivers	760,308	May 17	3434	724	110	866
Book. Blank.	C. Chivers	763,737	June 28	3463	110	2459	
Book. Card memorandum.	F. W. Sinks	756,421	Apr. 5	466	96	109	1442
Book-carriage.	T. Noble	766,724	Aug. 2	1203	254	111	1308
Book. Check.	J. C. Goodman and F. J. Wurtele	753,484	Mar. 1	490	115	109	108
Book-clamp.	E. F. Green	750,453	Jan. 26	3770	819	108	889
Book. Combination banking.	J. N. Bestick	772,665	Sept. 20	2020	536	113	1692
Book. Combined scrap and invoice.	A. B. Clements	752,520	Feb. 16	3269	729	108	1802
Book cover and binder.	E. E. Blodgett	777,650	Dec. 13	2336	512	113	1955
Book cover and binding.	L. Morell	762,184	June 7	1082	229	110	1674
Book-cover cleaning and polishing machine.	A. E. Edmondson	765,230	July 19	2623	554	111	612
Book-finisher's stand.	T. Daniels	750,367	Jan. 26	3429	741	108	813
Book-finishing machine.	V. Kling	770,587	Sept. 20	2763	585	112	657
Book-handle.	F. A. Steele and M. Kalaba	775,257	Nov. 15	3452	729	113	819
Book-holder.	G. Loch	753,585	Mar. 1	711	159	109	155
Book-holder.	B. T. Steiner and J. A. Hall.	749,407	Jan. 12	1757	371	108	418
Book-holder.	J. P. Pettit	751,498	Feb. 2	1168	265	108	1305
Book-holder.	L. Block	752,730	Feb. 23	3730	832	108	1922
Book-holder.	R. L. Kinman	757,202	Apr. 12	1976	430	109	1781
Book-holder.	S. H. Law	758,924	May 3	693	138	110	162
Book-holder.	E. E. Hunter	709,221	Sept. 6	159	38, 39	112	95
Book-holder.	C. S. Olcott	772,473	Oct. 18	3505	503	112	1850
Book-holder.	L. Block	774,152	Nov. 8	1210	258	113	290
Book-holder and writing-table. Combination.	W. D. Bellamy	770,842	Sept. 27	3275	690	112	787
Book holder. Check.	J. G. Dickson	762,393	June 14	1499	327	110	1783
Book holder. Manifold.	C. S. Binner	758,313	May 3	463	93	110	113
Book. Indexed.	H. C. Dunbar	752,335	Feb. 16	3023	673	108	1749
Book. Investment and savings.	D. J. Williams	762,855	June 24	2473	536	113	1692
Book-leaf. Detachable.	H. W. Ayres.	764,701	July 12	1655	338	111	377
Book-leaf fastener.	W. C. Goss	753,976	Mar. 8	1524	340	109	352
Book-leaf-margin cutting.	W. L. Jacobs	761,299	May 31	5441	1156	110	1276
Book-leaf raiser.	C. E. Sebastian and H. Stoebe.	757,727	Apr. 19	3156	685	109	2050
Book leaves or sections. Machine for collating or gathering.	A. Hess	775,920	Nov. 29	4826	1022	113	1154
Book. Lodge account and receipt.	J. C. Scoggins	770,120	Sept. 13	1850	392	112	494
Book. Loose-leaf.	H. W. Ayres.	764,102	July 5	385	73	111	85
Book. Loose-leaf.	F. Grimme	767,840	Aug. 16	3027	767	111	1878
Book. Loose-leaf.	H. C. Miller	770,379	Sept. 20	2370	500	112	570
Book. Loose-leaf.	H. C. Miller	771,381	Oct. 4	316	70	112	1028
Book. Loose-leaf.	G. H. Manger	777,998	Dec. 20	2629	579	113	2034
Book. Loose-leaf.	W. E. Jenkinson	771,700	Dec. 20	2859	659	113	2080
Book. Loose-leaf.	W. F. Pitt	778,070	Dec. 20	3192	702	113	2146
Book. Manifold.	A. Levison	775,838	Nov. 22	4656	986	113	1100
Book. Manifold sales.	L. G. Whitney	754,361	Mar. 8	2223	496	109	502
Book. Manifold sales.	J. S. Holmes	761,073	May 31	4965	1060	110	1181
Book. Manifold.	N. A. McDonald	761,244	May 31	5323	1130	110	1252
Book. Manifold.	H. E. Delbare.	763,598	June 28	3915	851	110	2350
Book. Manifold.	H. H. Norrington.	768,948	Aug. 30	5777	1214	111	2398
Book. Manifold account.	U. G. Daugherty	773,064	Oct. 25	3795	810	112	1838
Book. Manifold check.	J. H. Vesey	777,705	Dec. 20	2438	535	113	1994
Book. Manifold sales.	W. M. Kubon	748,735	Jan. 5	374	84	108	83
Book. Manifold sales.	L. G. Whitney	756,308	Apr. 5	227	47, 48	109	1393
Book. Manifold sales.	E. M. Wildey	765,408	July 19	3015	631	111	683
Book. Manifold sales.	P. L. Cozzens.	767,927	Aug. 16	3591	760	111	1871
Book. Manifold sales.	F. M. Turck	755,080	Mar. 22	3687	809	109	859
Book. Manifold sales-recording.	A. R. Turk	776,439	Nov. 29	5843	1205	113	1369
Book manipulator. Manifold sales.	H. C. Fairchild.	759,427	Nov. 10	1736	331	110	413
Book-mark.	F. J. Tack	761,556	May 31	5903	1265	110	1381
Book-mark and leaf-holder. Combined.	C. L. Hrauda	756,115	Mar. 29	5664	1250	109	1304
Book. Memorandum.	R. A. Wallace	776,157	Nov. 29	5301	1121	113	1264
Book or pad. Manifold.	H. P. Brown	761,142	May 31	5126	1089	110	1206
Book. Pencil.	A. H. Stow	766,548	Aug. 2	825	173	111	1222
Book. Posting proof and balance.	A. H. Mooser and O. H. Root	775,044	Nov. 15	2961	632	113	699
Book-protector.	S. L. Greene	763,554	June 28	3841	832	110	2334
Book. Railway guide-book, catalogue, or kindred reference.	R. M. Richardson	765,512	July 19	3238	678	111	736
Book-rest.	H. André	751,892	Feb. 9	2067	468	108	1518
Book. Roll note.	O. Hulback	750,651	Jan. 26	4143	899	108	964
Book rounding and backing machine.	A. Crawley	768,978	Aug. 30	5839	1226	111	2412

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Book rounding, backing, and lining machine	C. W. Lovell	753,413	Mar. 1	357	82 83 84	100	79
Book. Sales-	E. J. Brandt	764,173	July 5	525	104	111	116
Book. Sample-card	E. W. Bredemeier	757,389	Apr. 12	2353	512	109	1859
Book-smashing machine	C. Seybold	776,257	Nov. 29	5515	1108	113	1312
Book-stack	E. R. Green	767,109	Aug. 5	3015	419	111	1559
Book-stack	E. R. Green and H. P. Macdonald, Jr.	776,233	Nov. 29	5465	1157	113	1302
Book stand or support	C. Herbert	756,631	Apr. 5	832	180	109	1518
Book-support	E. R. Storm	753,898	May 3	586	115	110	141
Book-support	E. R. Green	774,984	Nov. 15	2850	608	113	675
Book-supporter	L. C. De Carl	767,139	Aug. 9	3073	431	111	1321
Books. Lock for the adjustable back-frames of account-	A. D. Hulquist	751,646	Feb. 9	1593	362	108	1416
Books. Machine for applying fly-leaves, &c., to signatures of	W. I. Lewis	774,726	Nov. 8	2309	499 500 501	113	532
Books, &c. Ornamenting the edges of	R. Miegel	763,196	June 21	3139	1022	110	2162
Books, &c. Telescopic spring-post for loose-leaved.	A. D. Hulquist	753,216	Feb. 23	4652	1085	108	2128
Booking apparatus	A. Shedlock	777,699	Dec. 20	2424	523	113	1991
Book binder. Loose-leaf	G. F. Watt	750,922	Feb. 2	270	63	108	1117
Bookbinder. Perpetual	R. H. Collins	770,711	Sept. 20	2936	637	112	758
Bookbinding	A. C. Hoelscher	751,431	Feb. 2	1202	373	108	1312
Bookbinding	G. H. Day	753,962	Mar. 8	1503	335	109	347
Bookbinding	P. W. Ziegler	759,795	May 10	2446	512	110	569
Bookbinding	C. Chivers	767,262	Aug. 9	2304	482	111	1570
Bookbinding	F. P. Nourse	770,692	Sept. 20	2963	630	112	702
Bookbinding-machine	C. H. Crowell and E. H. Taylor	768,521	Aug. 23	4872	1021 1022	111	2179
Bookcase	D. Cree and H. Dickson	749,264	Jan. 12	1461	1311 1312	108	333
Bookcase	J. Danner	750,823	Feb. 2	74	16	108	1074
Bookcase	L. W. Luellen	761,312	May 31	5467	1169	110	1285
Bookcase. Knockdown sectional	J. Richards	761,103	May 31	5060	1074	110	1195
Bookcase. Knockdown sectional	A. N. Hodges	762,529	June 14	1809	388	110	1851
Bookcase or like article of furniture having parts sliding in and out therein. Sectional	H. C. Lord	762,071	June 7	885	182	110	1629
Bookcase. Revolving	S. M. Holt	770,903	Sept. 27	3386	714	112	812
Bookcase. Sectional	C. J. Lundstrom	762,328	June 14	1382	298	110	1759
Bookcase. Sectional	P. W. Casler	764,839	July 12	1937	397	111	440
Bookcase. Sectional	J. Mauro	769,705	Sept. 13	1086	232	112	204
Boom	J. G. Fairbanks and G. L. Sauer	774,240	Nov. 8	1370	292	113	326
Boom swinging machine	J. Bink	748,601	Jan. 5	515	119	109	113
Booster apparatus	J. S. 405	757,405	Apr. 12	2388	519	109	1866
Booster apparatus	L. Lyndon	757,406	Apr. 12	2389	520	109	1866
Boot. Anticaking	R. Y. Luther	777,348	Dec. 13	1740	385	113	1828
Boot attachment	J. T. Dailey	750,097	Jan. 19	3125	671	108	728
Boot or shoe	J. Keats	753,495	Mar. 1	515	119	109	113
Boot or shoe	K. Engel	765,600	June 28	3018	852	110	2351
Boot or shoe	W. Croner	766,101	July 26	4404	943	111	997
Boot or shoe. Button	H. C. Jenney	776,066	Nov. 29	5126	1084	113	1223
Boot or shoe cleaner	W. S. White	766,784	Aug. 2	1335	282	111	1538
Boot or shoe cleaner	W. S. White	769,098	Aug. 30	5962	1343	111	2440
Boot or shoe filler or form	A. Lewis	773,571	Nov. 22	4149	873	113	962
Boot or shoe for athletic purposes	P. A. Vaile	757,983	Apr. 19	3535	765	109	2133
Boot or shoe former	J. F. Collins	776,012	Nov. 29	5034	1061	113	1203
Boot or shoe holder	W. C. Benkert	750,570	Jan. 26	4010	867	108	937
Boot or shoe jack	Z. Beaudry	764,355	July 5	860	176	111	188
Boot or shoe polishing machine	R. S. Speer	773,482	Oct. 25	4648	981	112	2029
Boot or shoe tread-piece	A. H. Pratt	766,467	Aug. 2	644	137 138	111	1180
Boot or shoe ventilator	G. J. Patton	752,234	Feb. 16	2765	613	108	1694
Boot or shoe ventilator	J. H. Sandmeyer	760,401	May 17	3501	759	110	844
Boot-polisher	F. L. Rolph	730,015	May 2	854	173	110	196
Boot-tree	A. G. Fritz	764,285	July 5	752	154	111	166
Boot-tree. Inflatable	H. G. Hoyos	763,489	June 28	3724	802	110	2309
Bootjack	E. Finck	777,015	Dec. 6	1110	241	113	1673
Brer. Postole	M. P. Curlee	753,239	Mar. 27	47	10	113	13
Boring and reaming tool	E. Brown	765,877	July 26	3964	846	111	972
Boring and tapping. Combination-tool for	W. H. Allendorfer and M. Owens	758,038	Apr. 26	3656	791	109	2179
Boring apparatus	W. S. Sutton	771,186	Sept. 27	3949	833	112	986
Boring-bar	J. Riddell	775,459	Nov. 22	3892	823	113	986
Boring-bar	W. N. John	777,952	Dec. 20	2967	652	113	2100
Boring-bar tool. Adjustable	J. Johnson	774,736	Nov. 15	2380	514	113	667
Boring-machine	F. K. Russell	750,897	Feb. 2	224	51	108	1107
Boring-machine	J. H. Lawies	752,908	Feb. 23	4038	904	108	1990
Boring-machine	C. E. Gadfield	767,734	Apr. 19	3053	666	109	2027
Boring-machine	D. Hepp	761,171	May 31	5183	1102	110	1223
Boring-machine	S. J. Duquette and J. W. Heath	763,738	June 28	4195	914	110	2411
Boring-machine	F. C. Zeek	766,158	Aug. 2	874	185	111	1232
Boring-machine	C. W. H. Blood	770,156	Sept. 13	1911	407 408	112	447
Boring-machine. Multiple-spindle	C. Seymour	765,601	July 19	3390	714	111	769
Boring-tool	J. Bumiller	751,052	Feb. 2	495	115	108	1168
Boring-tool	W. Lodge	764,609	July 12	1462	296	111	336
Boring-tool	J. F. Morgenthaler and J. S. Wickes	771,656	Oct. 4	860	192	112	1143
Boring-tool adjustable support	C. A. Strand	767,317	Aug. 9	2399	501 502	111	1590
Boring-tool. Expansion	W. Pohlman	757,494	Apr. 19	2565	563	109	1919
Bottle	J. Auld	748,570	Jan. 5	7	2	108	4

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Bottle	J. Wagner	749,117	Jan. 5	1141	242	108	263
Bottle	W. H. Wright	749,124	Jan. 5	1152	244	108	265
Bottle	J. E. Schneider	750,129	Jan. 19	3176	683	108	738
Bottle	C. Clark	750,303	Jan. 26	3416	738	108	747
Bottle	C. E. Howds	750,303	Jan. 26	3497	737	108	828
Bottle	M. A. Lazareff	751,083	Feb. 2	553	128	108	1180
Bottle	J. A. Foster	752,335	Feb. 16	2925	652	108	1728
Bottle	H. M. Gibb	752,899	Feb. 23	4023	901	108	1987
Bottle	A. Friedmann	753,561	Mar. 6	668	150	109	147
Bottle	W. Conrad	756,939	Apr. 12	1441	320	109	1665
Bottle	P. J. Germain	757,105	Apr. 12	1782	390	109	1737
Bottle	E. Blue and Q. Herndon	757,647	Apr. 19	2897	630	109	1994
Bottle	J. Auld	757,714	Apr. 19	3011	654	109	2019
Bottle	G. Robatzek	759,014	May 3	852	173	110	196
Bottle	F. W. Lewis, F. M. Farren, and B. F. Smith	761,775	June 7	925	65	110	1511
Bottle	G. W. Holt, Jr.	762,412	June 14	1546	338	110	1794
Bottle	E. E. Lewis	763,914	June 28	4542	991	110	2484
Bottle	M. J. and D. J. Flynn	763,973	July 5	91	14	111	29
Bottle	E. Burns	765,376	July 19	2951	617	111	673
Bottle	R. D. Pike	765,439	July 19	3066	646	111	704
Bottle	W. E. Moyer	767,308	Aug. 9	3284	499	111	1586
Bottle	W. Johnston	767,819	Aug. 16	3392	716	111	1826
Bottle	D. M. Hall	768,526	Aug. 23	4885	1024	111	2162
Bottle	S. Kossich	768,615	Aug. 23	4903	106	111	2166
Bottle	J. Fitzpatrick	769,894	Sept. 13	1438	308	112	342
Bottle	S. E. George and J. R. Norris	770,801	Sept. 27	3173	672	112	764
Bottle	P. J. McNamara	771,488	Oct. 4	520	117	112	1069
Bottle	R. G. Davis	771,612	Oct. 4	774	172	112	1124
Bottle	H. Coale and L. S. Greensfelder	771,714	Oct. 4	967	216	112	1166
Bottle	J. G. Swindell	773,435	Oct. 25	4653	982	112	2020
Bottle	C. King	775,040	Nov. 15	2533	630	113	698
Bottle	G. P. Dence	775,802	Nov. 22	4599	974	113	1089
Bottle	H. Vincent	776,097	Nov. 29	5191	1066	113	1238
Bottle	D. H. Manahan	776,140	Nov. 29	5268	1114	113	1256
Bottle	J. L. Bair	776,484	Dec. 6	6	2	113	1424
Bottle	Y. P. Lee	777,426	Dec. 13	1879	414	113	1858
Bottle	H. G. Lord	777,477	Dec. 13	1986	440	113	1882
Bottle	J. G. Marmon	778,687	Dec. 27	4396	961	113	2425
Bottle	J. J. Flanagan	780,059	Jan. 19	5039	649	108	708
Bottle attachment. Non-refillable	E. Norton	788,273	Apr. 26	4115	890	109	2379
Bottle-cap	A. L. Bernardin	760,300	May 17	3419	721	110	803
Bottle-cap	E. Risso	769,021	Aug. 30	5031	1242	111	2484
Bottle-cap	J. S. Alston	774,023	Nov. 1	970	203	113	221
Bottle-capping apparatus	H. Carmichael	732,884	Feb. 23	3200	894	108	1979
Bottle-capping machine	R. A. Wittemann	759,583	May 10	2030	415	110	478
Bottle-capping machine	G. H. Gillette	770,803	Sept. 27	3176	673	112	765
Bottle-capping machine	H. S. Brewington	771,413	Oct. 4	398	88	112	1041
Bottle-capping-machine head	G. H. Gillette	777,784	Dec. 20	2585	571	113	2025
Bottle-card-holder	W. Einker	775,988	Nov. 20	4084	1032	113	1190
Bottle, &c., carrier	C. W. Desobry	774,569	Nov. 8	1983	431	113	458
Bottle case and carrier	R. Baermann	777,769	Dec. 20	2555	566	113	2019
Bottle-case fastener	C. E. Johnson	752,396	Feb. 16	3040	676	108	1753
Bottle-cleaning device	W. W. Spalding	772,752	Oct. 18	3118	679	112	1668
Bottle-cleaning device	S. Quee	774,106	Nov. 1	1137	242	113	257
Bottle-cleansing machine	H. Tersling	770,337	Sept. 20	2301	484	112	555
Bottle-closing device	F. B. Cary	754,196	Mar. 8	1892	401	109	414
Bottle-closure	F. Recht	750,220	Jan. 19	3336	721	108	772
Bottle-closure	H. L. Shannon	752,473	Feb. 16	3181	710	108	1783
Bottle-closure	H. Coale	752,521	Feb. 16	3271	730	108	1802
Bottle-closure	A. Gaul, Jr.	753,254	Mar. 1	72	18	109	13
Bottle-closure	F. W. H. Clay	755,375	Mar. 22	4033	894	109	930
Bottle-closure	F. W. H. Clay	755,376	Mar. 22	4035	895	109	930
Bottle-closure	K. H. Cressman	755,623	Mar. 29	4691	1043	109	1087
Bottle-closure	O. Eick	756,343	Apr. 5	302	62	109	1408
Bottle-closure	B. Clemens	756,586	Apr. 5	760	165	109	1503
Bottle-closure	E. E. Adams	756,770	Apr. 5	1100	243	109	1578
Bottle-closure	J. G. Baker and C. Gallagher	758,495	May 7	1869	373	110	444
Bottle, &c., closure	C. M. Young	762,793	June 14	2336	510	110	1964
Bottle-closure	H. Coale and L. S. Greensfelder	771,712	Oct. 4	964	216	112	1166
Bottle-closure	H. Coale and L. S. Greensfelder	771,713	Oct. 4	966	216	112	1166
Bottle-closure	M. Elfstrand	772,708	Oct. 18	3021	663	112	1649
Bottle-closure-detaching device	J. G. Baker	772,650	Sept. 6	371	210	112	221
Bottle-closure or the like	C. E. McManus	772,250	Oct. 1	2107	461	112	1428
Bottle-closure sprinkler-cap	E. A. McIlhenny	757,216	Apr. 12	1998	435	109	1786
Bottle-closures. Producing	F. Recht	750,124	Jan. 19	3167	680	108	737
Bottle-corking, capping, and wiring machine attachment	J. P. Schmidt and J. E. Jacobs	751,515	Feb. 9	1345	307	108	1364
Bottle-corking machine	J. F. Schneider	760,925	May 24	4662	994	110	1092
Bottle-filling apparatus	J. J. Clifford	748,585	Jan. 5	61	18	108	16
Bottle-filling apparatus	J. Anderson	754,951	Mar. 15	1463	758	109	792
Bottle-filling apparatus	R. G. and K. K. Wright	758,835	Aug. 30	5553	1167	111	2346
Bottle-filling device	C. A. Carlson	755,600	Mar. 22	4623	1026	109	1058
Bottle-filling device	R. G. and K. K. Wright	768,837	Aug. 30	5557	1168	111	2347
Bottle-filling machine	I. Torcliff	768,918	Aug. 30	5718	1202	111	2386
Bottle-filling machine	S. C. Miller	752,962	Feb. 23	4336	944	108	2035
Bottle-filling machine	P. J. Cayley	753,236	Mar. 1	38	10	109	10
Bottle-filling machine	F. H. Parker	754,602	Mar. 15	2784	607	109	642
Bottle-filling machine	E. C. H. Strasburger	756,428	Apr. 5	478	99	109	1444
Bottle-filling machine	W. F. Fanning	763,601	June 28	3919	852	110	2351
Bottle-filling machine	E. H. Kreider	763,046	July 26	4287	919	111	972

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Bottle-filling machine.	F. C. H. Strasburger	768,960	Aug. 30	5800	{1218 1219}	{111 2408}	703
Bottle-filling machine.	P. M. Wise	775,059	Nov. 15	2993	{687 750}	{113 890}	708
Bottle-filling machine.	J. H. W. Ortmann and C. W. Herbst.	775,307	Nov. 22	3559	{751 943}	{113 2034}	800
Bottle-filling machines. Automatic induction-valve for	S. C. Miller	752,991	Feb. 23	4233	{943 751}	{108 2034}	841
Bottle for the storage and transportation of liquids.	H. C. Stover	758,969	May 3	588	{116 101}	{110 1319}	109
Bottle-forming implement.	H. Coale and L. S. Greensfelder	775,206	Nov. 15	3904	{705 935}	{113 2026}	778
Bottle-former.	E. L. Gatterer	752,968	Feb. 23	4195	{935 755}	{108 839}	2026
Bottle-holder.	G. M. Eba	760,389	May 17	3579	{755 329}	{110 111}	839
Bottle-holder.	G. A. Henckel	764,887	July 12	1414	{329 112}	{111 1188}	326
Bottle holder and protector. Combined.	R. Daughirtal	771,768	Oct. 4	1075	{241 791}	{112 1809}	1188
Bottle-holder guard or protector.	A. Schneider	773,033	Oct. 25	3671	{791 166}	{112 1094}	1188
Bottle holding and carrying device.	A. F. Cramer	756,591	Apr. 5	765	{166 997}	{109 2044}	1509
Bottle-holding device.	J. F. Christin	773,475	Oct. 25	4725	{997 759}	{112 2201}	2044
Bottle-making machine.	J. Conde	778,209	Dec. 20	3451	{759 761}	{113 2201}	2201
Bottle. Measuring.	S. Kosowski	773,574	Nov. 1	85	{17 25}	{113 78}	25
Bottle necks. Machine for forming glass.	F. Scheidt	760,258	May 17	3346	{704 140}	{110 140}	787
Bottle. Non-refillable.	M. Reinfeld	748,885	Jan. 5	626	{140 365}	{108 140}	140
Bottle. Non-refillable.	H. Hahn	749,288	Jan. 12	1518	{322 383}	{108 491}	365
Bottle. Non-refillable.	H. Kahlmus	749,385	Jan. 12	1712	{383 435}	{108 491}	383
Bottle. Non-refillable.	E. C. Luks	759,570	Jan. 12	2094	{435 948}	{108 503}	435
Bottle. Non-refillable.	G. C. Bessonnet	749,604	Jan. 12	2149	{448 946}	{108 1021}	448
Bottle. Non-refillable.	C. M. Drennan	750,755	Jan. 26	4382	{946 71}	{108 1123}	946
Bottle. Non-refillable.	F. O. Boswell and C. J. Davis	750,987	Feb. 2	297	{71 719}	{108 1790}	1123
Bottle. Non-refillable.	D. J. Wilkins	752,495	Feb. 16	3921	{719 38}	{108 169}	1790
Bottle. Non-refillable.	J. M. Peterson and F. F. Hutchins.	753,506	Mar. 1	169	{38 306}	{109 313}	38
Bottle. Non-refillable.	S. W. Ludlow	753,894	Mar. 8	1359	{306 501}	{109 501}	313
Bottle. Non-refillable.	M. G. Delaney	754,365	Mar. 8	2297	{501 6}	{109 1344}	501
Bottle. Non-refillable.	J. Bailey	756,300	Apr. 5	257	{54 1399}	{109 1399}	54
Bottle. Non-refillable.	H. Bretung	756,334	Apr. 5	257	{54 1503}	{109 1503}	54
Bottle. Non-refillable.	C. D. Chase and E. P. Doie.	756,584	Apr. 5	756	{164 151}	{109 1520}	164
Bottle. Non-refillable.	C. B. Hibbard	756,636	Apr. 5	837	{151 244}	{109 1579}	151
Bottle. Non-refillable.	W. O. Beal	756,773	Apr. 5	1105	{244 270}	{109 1628}	244
Bottle. Non-refillable.	S. E. George and J. R. Norris	756,843	Apr. 12	1255	{270 513}	{109 1859}	270
Bottle. Non-refillable.	W. A. Coke	757,391	Apr. 12	2354	{513 632}	{109 2017}	513
Bottle. Non-refillable.	T. M. Wood	757,707	Apr. 19	3001	{632 752}	{2017 2121}	632
Bottle. Non-refillable.	A. Oullie	757,955	Apr. 19	3473	{752 901}	{109 2206}	752
Bottle. Non-refillable.	D. S. Cooke	758,398	Apr. 26	4185	{901 937}	{109 2332}	901
Bottle. Non-refillable.	C. A. Taylor	758,399	Apr. 26	4359	{937 1003}	{109 2400}	937
Bottle. Non-refillable.	G. W. Lovejoy	758,543	Apr. 26	4658	{1003 237}	{2400 265}	1003
Bottle. Non-refillable.	L. Hofmann	759,178	May 3	1167	{237 318}	{265 378}	237
Bottle. Non-refillable.	F. D. Christensen	759,347	May 10	1581	{318 381}	{378 449}	318
Bottle. Non-refillable.	J. B. Fitzgerald	759,609	May 10	1835	{381 482}	{449 905}	381
Bottle. Non-refillable.	J. A. Edes	759,697	May 19	2061	{482 958}	{449 1057}	482
Bottle. Non-refillable.	S. N. Sparks	760,436	May 24	3797	{804 978}	{905 1076}	804
Bottle. Non-refillable.	G. Zister	760,836	May 24	4503	{958 1057}	{1057 1076}	958
Bottle. Non-refillable.	E. C. Luks	760,887	May 24	4585	{978 1054}	{1076 1177}	978
Bottle. Non-refillable.	S. M. Carraker	761,060	May 31	4974	{1054 1153}	{1177 1273}	1054
Bottle. Non-refillable.	I. L. Fonda	761,232	May 31	5426	{1153 1156}	{1273 1276}	1153
Bottle. Non-refillable.	J. T. Irwin	761,298	May 31	5439	{1156 1186}	{1276 1307}	1156
Bottle. Non-refillable.	E. H. Davis	761,362	May 31	5570	{1186 1187}	{1307 1308}	1186
Bottle. Non-refillable.	J. Doriot	761,364	May 31	5574	{1187 1259}	{1308 1375}	1187
Bottle. Non-refillable.	T. C. Rhodes.	761,543	May 31	5875	{1259 12}	{1375 1438}	1259
Bottle. Non-refillable.	J. Bart	761,644	June 7	12	{12 11}	{1438 1532}	12
Bottle. Non-refillable.	J. Conrad	761,661	June 7	71	{11 85}	{1453 1532}	11
Bottle. Non-refillable.	J. W. Calet	761,818	June 7	419	{85 146}	{1532 1596}	85
Bottle. Non-refillable.	W. F. Mercer	761,978	June 7	718	{146 360}	{1596 1702}	146
Bottle. Non-refillable.	C. M. Rhodes	762,253	June 7	1211	{360 825}	{1702 1825}	360
Bottle. Non-refillable.	J. A. Foster	762,475	June 14	1594	{825 368}	{1825 1829}	825
Bottle. Non-refillable.	L. M. and I. E. McDermott and C. C. Rogers.	762,487	June 14	1714	{368 536}	{1829 1980}	368
Bottle. Non-refillable.	J. A. Linn	762,828	June 14	2415	{536 592}	{1980 2070}	536
Bottle. Non-refillable.	G. W. Filbrun	762,992	June 21	3726	{592 716}	{2070 2198}	592
Bottle. Non-refillable.	A. Johnson	763,290	June 21	3909	{716 732}	{2198 2212}	716
Bottle. Non-refillable.	C. F. Rohrer	763,328	June 21	3371	{732 832}	{2212 2326}	732
Bottle. Non-refillable.	A. G. Abizaid	763,534	June 28	3801	{832 952}	{2326 2450}	832
Bottle. Non-refillable.	G. Zister	763,831	June 28	4384	{952 1}	{2450 11}	952
Bottle. Non-refillable.	L. M. Alberty and C. S. Nixon	763,948	July 5	1	{11 47}	{11 470}	1
Bottle. Non-refillable.	G. A. Clavin	764,011	July 5	2352	{47 429}	{11 471}	47
Bottle. Non-refillable.	T. H. Steck	764,064	July 12	2077	{429 430}	{470 471}	429
Bottle. Non-refillable.	G. Tuman	764,905	July 12	2078	{430 451}	{471 493}	430
Bottle. Non-refillable.	G. G. Ross	764,959	July 12	2177	{451 551}	{493 551}	451
Bottle. Non-refillable.	P. J. Wilson	765,117	July 12	2160	{513 543}	{111 1188}	513
Bottle. Non-refillable.	O. Reiter	765,193	July 19	2598	{543 813}	{1188 860}	543
Bottle. Non-refillable.	W. F. Puffert and B. Eckhoff.	765,730	July 26	3816	{813 901}	{860 958}	813
Bottle. Non-refillable.	J. Whitelaw	766,008	July 26	4323	{901 36}	{958 1050}	901
Bottle. Non-refillable.	O. L. Fisher and W. W. Holston	766,174	Aug. 2	36	{6 93}	{1050 1137}	6
Bottle. Non-refillable.	M. P. Lafitte	766,361	Aug. 2	441	{93 452}	{1137 1339}	93
Bottle. Non-refillable.	H. Tolke	767,186	Aug. 2	2169	{452 563}	{1339 1670}	452
Bottle. Non-refillable.	E. M. Usher	767,435	Aug. 16	2683	{563 593}	{1670 1706}	563
Bottle. Non-refillable.	W. Swanberg	767,530	Aug. 16	2839	{593 866}	{1706 2009}	593
Bottle. Non-refillable.	T. F. Odell	768,140	Aug. 23	4117	{866 1088}	{2009 2282}	866
Bottle. Non-refillable.	G. H. Chandler	768,652	Aug. 30	5177	{1088 1148}	{2282 2324}	1088
Bottle. Non-refillable.	F. Franz	768,694	Aug. 30	5199	{1148 1199}	{2324 2383}	1148
Bottle. Non-refillable.	G. W. Sheok	768,912	Aug. 30	5700	{1199 44}	{2383 112}	1199
Bottle. Non-refillable.	W. H. Pearson	769,230	Sept. 6	183	{44 172}	{112 181}	44
Bottle. Non-refillable.	W. G. Lawrence	769,459	Sept. 6	801	{172 340}	{181 1277}	172
Bottle. Non-refillable.	W. V. K. Ayres.	769,979	Sept. 13	1599	{340 380}	{1277 1281}	340
Bottle. Non-refillable.	P. McGrath	770,095	Sept. 13	1801	{380 551}	{1281 112}	380
Bottle. Non-refillable.	J. S. Lambe	770,502	Sept. 20	2602	{551 621}	{112 621}	551

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Bottle. Non-refillable	S. E. George and J. R. Norris	770,802	Sept. 27	3175	672	112	764
Bottle. Non-refillable	E. F. Hamilton	771,063	Sept. 27	3704	781	112	881
Bottle. Non-refillable	P. T. Clark	771,301	Sept. 27	3976	840	112	941
Bottle. Non-refillable	F. Kern	771,311	Oct. 4	502	113	112	1075
Bottle. Non-refillable	H. R. Stray	771,502	Oct. 4	533	134	112	1107
Bottle. Non-refillable	C. Osse and S. A. Ewalt	771,568	Oct. 4	693	154	112	1110
Bottle. Non-refillable	W. F. Seim	771,578	Oct. 4	712	158	112	1110
Bottle. Non-refillable	F. A. Heath	773,011	Oct. 25	3612	781	112	1796
Bottle. Non-refillable	W. Robinson	773,032	Oct. 25	3609	791	112	1808
Bottle. Non-refillable	C. Medley	773,294	Oct. 25	4948	918	112	1866
Bottle. Non-refillable	F. Schindhelm	773,597	Nov. 1	119	24	113	32
Bottle. Non-refillable	G. W. Barian	773,623	Nov. 1	165	37	113	42
Bottle. Non-refillable	G. S. Goldie	774,067	Nov. 1	1059	227	113	299
Bottle. Non-refillable	M. Tittel	774,616	Nov. 8	2062	450	113	473
Bottle. Non-refillable	C. Coleman	774,830	Nov. 15	2539	546	113	601
Bottle. Non-refillable	B. T. Delafield	774,834	Nov. 15	2549	548	113	603
Bottle. Non-refillable	J. S. Miller	774,989	Nov. 15	2861	611	113	677
Bottle. Non-refillable	L. Lecompte	775,111	Nov. 15	3068	658	113	731
Bottle. Non-refillable	C. H. Conlon	775,166	Nov. 15	3319	688	113	758
Bottle. Non-refillable	P. Schnolck	775,195	Oct. 15	3282	704	113	774
Bottle. Non-refillable	W. B. Hargan	775,650	Nov. 22	4309	910	113	1027
Bottle. Non-refillable	J. F. Spitt	775,786	Nov. 22	4563	967	113	1081
Bottle. Non-refillable	G. Anger and C. Bongartz	776,286	Nov. 29	5544	1174	113	1319
Bottle. Non-refillable	H. Parker	776,678	Dec. 6	423	94	113	1522
Bottle. Non-refillable	H. Parker	776,679	Dec. 6	424	94	113	1523
Bottle. Non-refillable	E. Risse	776,739	Dec. 6	594	129	113	1557
Bottle. Non-refillable	E. Risse	776,760	Dec. 6	595	129	113	1557
Bottle. Non-refillable	F. W. Smith	776,762	Dec. 6	597	129	113	1558
Bottle. Non-refillable	A. F. Shaw	776,808	Dec. 6	694	153	113	1580
Bottle. Non-refillable	L. Wampler	777,455	Dec. 13	187	39	113	1623
Bottle. Non-refillable	M. M. De Grody	777,499	Dec. 13	2025	446	113	1890
Bottle-opener	F. B. Horton	782,776	Feb. 23	3773	842	108	1931
Bottle opener and stopper. Combined	M. E. Biersach	760,097	May 17	3033	632	110	721
Bottle opener and temporary closure. Capped.	C. Cady	758,235	Apr. 26	4037	877	109	2181
Bottle or jar closure	G. T. Reed	769,960	Sept. 13	1566	383	112	370
Bottle or jar press	J. Hsley	759,989	May 17	2826	591	110	671
Bottle or pad. Flexible water	W. A. Galloway	775,214	Nov. 15	3341	712	113	786
Bottle or the like closure	A. M. Macconnell	778,593	Dec. 27	4231	921	113	2387
Bottle-packing case	B. F. Martin	749,741	Jan. 19	2441	520	108	581
Bottle-packing device	J. T. Craw	766,139	July 26	4478	959	111	1014
Bottle-protector	G. L. Kestner	770,328	Sept. 20	2654	561	112	632
Bottle-rinsing machine	J. J. Clifford	759,249	May 10	1566	319	110	349
Bottle-shipping case	D. H. Bowlin and W. L. Doudle	778,736	Dec. 27	4477	980	113	973
Bottle-soaking apparatus	W. B. Wright	757,535	Apr. 19	2656	582	109	1993
Bottle-soaking machine	J. Schreiber, Jr	708,486	Aug. 23	4809	1007	111	2165
Bottle-stopper	T. Henigen	749,060	Jan. 5	1027	217	108	237
Bottle-stopper	E. G. Howe	749,063	Jan. 5	1024	219	108	238
Bottle-stopper	J. A. Jones	749,565	Jan. 12	2087	434	108	489
Bottle-stopper	J. Conde	755,360	Mar. 22	4197	938	109	966
Bottle-stopper	W. D. Doremus	756,601	Apr. 5	778	169	109	1507
Bottle-stopper	G. Kirkegaard	758,319	Apr. 26	4325	908	109	2304
Bottle-stopper	G. Miller	759,185	May 3	1182	246	110	267
Bottle-stopper	C. E. McManus	762,745	June 14	2241	457	110	1941
Bottle-stopper	T. J. Lamping	765,780	July 26	3801	810	111	866
Bottle-stopper	D. W. Divine	766,023	July 26	4233	909	111	965
Bottle-stopper	E. D. Conklin	767,632	Aug. 16	3044	636	111	1752
Bottle-stopper	E. J. Deegan	767,929	Aug. 16	3595	761	111	1872
Bottle-stopper	G. Koch	767,947	Aug. 16	3636	769	111	1880
Bottle-stopper	T. S. Patrick	768,142	Aug. 23	4120	867	111	2009
Bottle-stopper	C. Schöniert	770,540	Sept. 20	2674	565	112	637
Bottle-stopper	J. Reddick	770,654	Sept. 20	2888	614	112	685
Bottle-stopper	F. Hies	770,721	Sept. 20	3014	641	112	712
Bottle-stopper	C. W. Geckie	770,850	Sept. 27	3286	692	112	790
Bottle-stopper	O. Adams	771,960	Oct. 11	1486	337	112	1289
Bottle-stopper	T. Hogan and P. H. Grady	772,303	Oct. 18	3203	697	112	1687
Bottle-stopper	F. Schidl	773,345	Oct. 25	4460	944	112	1989
Bottle-stopper	G. W. Wheeler	775,111	Nov. 22	3786	801	113	913
Bottle-stopper	M. Elfstrand	775,899	Nov. 22	4773	1011	113	1135
Bottle-stopper and dropper	W. T. Goldsmith	766,688	Aug. 2	1136	236	111	1294
Bottle-stopper and fastener	P. McMenamin	768,189	Aug. 23	4205	884	111	2027
Bottle, stopper, and opener	M. A. Dunn	752,049	Feb. 16	2377	531	108	1604
Bottle stopper and opener	W. S. Sash	757,548	Apr. 19	2687	588	109	1946
Bottle stopper and sprinkler. Combined	C. B. Garwood	762,818	June 14	2397	529	110	1976
Bottle-stopper. Automatic	W. J. Burchett	764,225	July 5	651	131	111	145
Bottle-stopper holder. Water-	A. C. Eggers	748,937	Jan. 5	745	162	108	169
Bottle-stopper. Non-refillable	J. G. Reddick	754,607	Mar. 15	2738	609	109	644
Bottle-stopper. Non-refillable	J. G. Reddick	754,608	Mar. 15	2738	609	109	644
Bottle-stopper. Non-refillable	B. Ross	770,117	Sept. 13	1846	391	112	433
Bottle-stopper-removing device	F. M. Glaessel	766,612	Aug. 2	975	204	111	1258
Bottle-stopper-retaining device	A. McTernan	778,203	Dec. 20	3443	757	113	2199
Bottle-stoppers. Apparatus for applying	H. Coale and L. S. Greensfelder	778,566	Dec. 27	4173	910	113	2375
Bottle-stopping machines. Feeder connecting collar mechanism for	F. O. Woodland	766,090	July 26	4937	939	111	944
Bottle support or holder. Nursing.	J. D. White	751,233	Feb. 2	852	195	108	1239
Bottle-valve	J. J. Brown	750,855	Jan. 26	4039	873	108	943
Bottle-washer	H. Decker	770,797	Sept. 27	3168	671	112	763
Bottle-washer	A. C. Ford and R. T. Mosley	772,796	Oct. 18	3193	695	112	1085
Bottle-washing apparatus	F. Goebel	763,174	June 21	3093	666	110	2150
Bottle-washing apparatus	M. Feuerstein	769,793	Sept. 13	1137	245	112	276
Bottle-washing apparatus	J. C. Bauer	771,408	Oct. 4	388	85, 86	112	1039
Bottle-washing machine	J. J. Clifford	748,584	Jan. 5	53	16, 17	108	14

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & E.	Vol.	Page.
Bottle-washing machine	P. D. Laible	755,018	Mar. 22	3580	785 786	109	833
Bottle-washing machine	F. C. H. Strasburger	756,427	Apr. 5	475	98, 99	109	1444
Bottle-washing machine	W. E. Brown	761,442	May 31	5707	1215	110	1338
Bottle-washing machine	F. W. Gillesen	762,522	June 14	1791	384 227	110	1847
Bottle-washing machine	T. Grebe	764,456	July 5	1117	227	111	247
Bottle-washing machine	E. A. Lufkin	768,057	Aug. 23	3903	819 820	111	1959
Bottle-washing machine	C. E. Tunelius	768,492	Aug. 23	4818	1009 1010	111	2166
Bottle-washing machine	A. A. Pindstofte	771,664	Oct. 4	876	197	112	1147
Bottle-washing machine	J. A. Prince	776,547	Dec. 6	154	35	113	1459
Bottle. Water	J. F. Goodridge	753,063	Feb. 23	4369	973	108	2065
Bottle. Water	R. W. Sampson	759,555	May 10	1976	404	110	467
Bottle-wrapper	A. Forbes	759,602	May 10	2069	423 424	110	485
Bottles, cans, &c. Top or closure for tooth-powder.	H. B. Kent	763,986	July 5	114	119	111	32
Bottles, &c. Cap for mucilage	W. R. Morse	752,917	Feb. 23	4082	910	108	2001
Bottles. Device for preventing refilling of	F. A. Busse	771,122	Sept. 27	3818	806	112	909
Bottles, jars, &c. Detector of the contents of	A. J. Motlau	749,080	Jan. 5	1069	226	108	246
Bottles, jars, or other receptacles. Closure for	D. C. Hull	770,751	Sept. 27	3067	652	112	741
Bottles, jars, &c. Paper cap for milk	H. S. Dennison	772,557	Oct. 18	3721	598	112	1584
Bottles, jars, &c. Stopping	H. S. Margetts	765,745	July 26	3708	791	111	848
Bottles, jars, &c. Stopping	F. Lecourt	768,380	Aug. 23	4617	966	111	2126
Bottles. Manufacture of	G. Bryar	750,801	Feb. 2	35	7	108	1064
Bottles, &c. Means for packing	W. Ducart	758,239	Apr. 26	4043	878	109	2262
Bottles or other vessels. Cap for	J. A. Jones	771,017	Sept. 27	3613	760	112	863
Bottles or other vessels with liquids. Apparatus for filling	F. J. Fletcher	772,033	Oct. 11	1646	369	112	1326
Bottles or the like. Drop-stopper for	M. Elfstrand	772,707	Oct. 18	3020	663	112	1649
Bottles. Stopper for preventing refilling	G. B. Okey	754,685	Mar. 15	2950	644	109	677
Bottling apparatus	O. Vogel	772,195	Oct. 11	1989	439	112	1401
Bottling-machine	H. W. Colby	735,619	Mar. 29	4680	1041 1042	109	1085
Bottling-machine	A. Schneider	776,620	Dec. 6	308	67	113	1497
Bottling-machine guard. Automatic	R. D. Price	778,606	Dec. 27	4255	927 928	113	2393
Bottling-machine. Liquid	A. Schneider	754,017	Mar. 8	1594	356	109	368
Bow-spring	I. Fox	755,124	Mar. 22	3753	825	109	872
Bowling-alley	J. R. Walsh	752,133	Feb. 16	2533	564	108	1639
Bowling-alley	A. Herbst	757,922	Apr. 19	3414	739	109	2107
Bowling-alley	A. F. Griebel	708,600	Aug. 30	5073	1064	111	2241
Bowling-alley dresser	E. P. Dreger	756,790	Apr. 5	1126	247	109	1384
Bowling-alley. Parlor	R. E. Philipp	775,246	Nov. 15	3436	726	113	816
Bowling-alley pins. Apparatus for setting	J. C. Backus	771,963	Oct. 11	1490	337 338	112	1290
Bowling-alley. Portable	F. Kary	754,436	Mar. 15	2501	544	109	582
Bowling-alley score-sheet	G. W. Bennethum	774,906	Nov. 15	2691	577	113	636
Bowling-alleys. Machine for use in constructing and repairing	J. F. Darrell	758,424	Apr. 26	4430	951	109	2349
Bowling-alleys. Mechanical means for resetting pins of	S. A. Seipel	760,026	May 17	2899	606 607	110	686
Bowling game	P. J. Duerr	765,419	July 19	3336	635 636	111	693
Box:							
See Artist's sketching-box.	Mail-delivering box.						
Box.	Mail-delivery box.						
Ballot-box.	Mail or letter box.						
Beer-box.	Match-box.						
Berry-box.	Match or other box.						
Call-box.	Measuring-box.						
Cheese-box.	Metal box.						
Cigar-box.	Miter box.						
Cigarette-box.	Motor starting-box.						
Cigarette or cigar box.	Music-box.						
Coffin-box.	Packing-box.						
Coin-box.	Packing and display box.						
Coin-collecting box.	Painter's palette-box.						
Collapsible box.	Paper box.						
Display-box.	Peg-box.						
Dumping-box.	Pipe and tobacco box.						
Dust-box.	Plant-transporting box.						
Fare-box.	Plate-box.						
Feed-box.	Post-office box.						
Folding box.	Powder-box.						
Fruit-box.	Refrigerator-box.						
Fruit or berry box.	Salt-box.						
Garbage-box.	Seed-box.						
Hanger-box.	Sheet-metal box.						
Hat-box.	Shipping-box.						
Journal-box.	Sluice-box.						
Knockdown box.	Spice-box.						
Lens-box.	Strong box.						
Letter-box.	Stuffing-box.						
Lunch-box.	Tobacco-box.						
Mail-box.	Turpentine-box.						
Mail-carrier box.	Waste-paper box.						
Box	B. vom Eigen	749,479	Jan. 12	1930	400 401	108	453

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Box	C. B. Baldwin	749,892	Jan. 19	2720	581	108	649
Box	H. P. Guyton	731,730	Feb. 9	1839	423	108	1471
Box	E. D. Hamilton	752,159	Feb. 16	2577	573	108	1649
Box	B. vom Eigen	753,381	Mar. 1	296	67	109	67
Box	M. F. Middleton	757,827	Apr. 19	3237	702	109	2067
Box	J. P. Baird	758,887	May 8	623	124	110	148
Box	H. B. Williams	759,578	May 10	2022	414	110	477
Box	B. vom Eigen	761,461	May 31	5734	1223	110	1345
Box	R. C. Wright and D. K. Wade	761,621	May 31	6023	1293	110	1408
Box	F. S. Foote	767,879	Aug. 16	3504	741	111	1852
Box	W. J. Walker	770,946	Sept. 27	3469	732	112	833
Box	A. Thalheimer	773,824	Nov. 1	545	119	113	126
Box	J. Dobos	774,570	Nov. 8	1985	451	113	458
Box	G. H. Rice	776,942	Dec. 6	969	207	113	1641
Box and cutter for goods in ribbon form. Combined	F. D. Scott	757,844	Apr. 19	3269	708	109	2074
Box and wallet. Combined	E. McDonald	775,285	Nov. 15	3509	799	113	831
Box-blank-making machine	E. E. Flora	775,622	Nov. 22	4251	896	113	1015
Box-cover supporter and holder	W. H. Kidder	769,491	Sept. 6	683	146	112	156
Box-covering machine	H. B. Smith	753,524	Mar. 1	589	139	109	128
Box-covering machine	H. B. Blackinton	758,502	Apr. 26	4579	983	109	2384
Box-covering machine	P. S. Smith	778,805	Dec. 27	4615	1008	113	2474
Box-covering machine fly-papering attachment	L. H. Peck	771,662	Oct. 4	874	186	112	1146
Box-fastener	E. T. Reilly	759,700	Jan. 26	4294	919	108	985
Box-fastener	H. L. Jones	753,889	Mar. 8	1347	304	109	311
Box-fastener	F. Moellenbrock	753,996	Mar. 8	1557	348	109	359
Box-fastener	C. W. Beehler	757,172	Apr. 12	1920	419	109	1769
Box-fastener	F. L. Waldron	759,648	May 10	3165	445	110	508
Box-fastener	D. A. Schnabel	753,430	June 28	3630	782	110	2290
Box-fastener	F. S. Heddles	764,722	July 12	1700	348	111	387
Box-fastener	F. M. Holmes	767,482	Aug. 16	2735	574	111	1683
Box-fastener	C. G. Black	768,874	Aug. 30	5630	1182	111	2364
Box-fastener	J. P. Kilian	773,648	Nov. 1	212	47	113	51
Box-fastening	W. H. Davis	767,547	Aug. 16	2877	600	111	1715
Box filling and assembling machine. Slide	G. W. Perks	755,312	Mar. 22	4104	906	109	944
Box-forming machine	S. Y. High	757,870	Apr. 19	3311	717	109	2083
Box handle and fastener. Lunch	J. D. King	769,657	Sept. 6	979	212	112	223
Box-lid holder	C. S. Christianson	759,076	May 3	974	197	110	221
Box-lid holder	H. Ott	773,156	Oct. 25	4057	861	112	1901
Box-lid support	A. E. Cox	768,519	Aug. 23	4869	1021	111	2178
Box-lid support and label-holder. Combined	J. Jones, Jr.	750,655	Jan. 26	4148	900	108	966
Box-machine	E. A. Jordan	771,825	Oct. 11	1196	266	112	1280
Box-machine	G. H. Rice	776,943	Dec. 6	970	208	113	1641
Box-making machine	W. H. Butler	749,359	Jan. 12	1652	351	108	397
Box-making machine	W. E. Schneider	772,830	Oct. 18	3242	708	112	1696
Box-nailing machine	D. Snitjer	778,463	Dec. 27	3992	868	113	2386
Box or basket making machine	W. J. Kennedy	753,140	Feb. 23	4500	1003	108	2093
Box or caddy cover	A. J. Feild	762,894	June 21	2552	554	110	2031
Box or container for bottled beverages	P. D. Laible	758,369	Apr. 26	4319	927	109	2324
Box or receptacle for crackers or the like	E. B. Vander Veer	760,043	May 17	2926	612	110	693
Box-plate and attachment therefor	H. McCann. (Reissue)	12,280	Oct. 25	4887	1031	112	2082
Box-pull	M. S. Raffield	755,044	Mar. 22	3622	735	109	843
Box stay-strip	J. S. Stokes	778,809	Dec. 27	4637	1010	113	2477
Box-strap	O. Arendt	773,271	Oct. 25	4307	910	112	1957
Box-tray-making machine	J. C. Donnelly	766,675	Aug. 2	1104	229	111	1287
Boxes, &c. Corner-stay for	G. W. Dyarman and J. H. Perrin	760,974	May 24	4766	1014	110	1113
Boxes, &c. Device for opening the covers of	G. E. Schmidt	762,560	June 14	1877	403	110	1865
Boxes from paper and for filling same with cigarettes, &c. Machine for making	E. T. Pollard	775,148	Nov. 15	3184	677	113	750
Boxes, &c. Implement for opening	T. J. Lynch	776,191	Nov. 29	5366	1136	113	1279
Boxes, trays, cartons, &c. Corner joint or stay for	L. A. Dunbar	778,533	Dec. 27	4110	895	113	2362
Brace:							
See Ankle-brace. Harrow-brace.							
Body-brace. Plow-brace.							
Buggy-seat brace. Shoulder-brace.							
Buggy-top brace. Spring-brace.							
Camera-brace. Tent-brace.							
Cross-arm brace. Wall and floor brace.							
Door-brace. Wheel-brace.							
Extension-brace.							
Brace and suspensory. Combined	A. C. Rankin	762,555	June 14	1871	402	110	1864
Brace balance-weight	C. F. Keables	757,315	Apr. 12	2210	483	109	1830
Brace-rold tightener	A. T. Grattelo and H. Woodmanse	758,910	May 3	663	133	110	156
Bracelet	M. V. Rodenberg	761,589	May 31	5960	1278	110	1895
Bracelet. Expansive	757,772		Apr. 19	3142	683	109	2047
Bracelet or belt. Automatically-adjustable	F. Mason. (Reissue)	12,294	Dec. 13	2552	517	113	1858
Bracelet or other ornament	W. F. Simon	749,587	Jan. 12	2127	443	108	498

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				Spec.	Dr'g.	Vol.	Page.
Bracket:							
See Adjustable bracket.	Lamp-supporting bracket.						
Curtain-bracket.							
Curtain-roller bracket.	Pipe-supporting bracket.						
Desk-light bracket.	Scaffold-bracket.						
Detachable bracket.	Scaffolding-bracket.						
Electric-light bracket.	Self-clamping bracket.						
End-supporting bracket.	Shade-bracket.						
Extensible bracket.	Shade-roll bracket.						
Extension-bracket.	Shade-roller bracket.						
Folding bracket.	Shelf-bracket.						
Insulator-bracket.	Sink-bracket.						
Lamp-bracket.	Wardrobe-bracket.						
Bracket.....	J. Gardner.....	749,670	Jan. 12	2277	480	108	529
Bracket.....	P. M. Read.....	755,581	Mar. 22	4586	1020	109	1049
Bracket.....	C. F. Kade.....	756,648	Apr. 5	856	186	109	1524
Bracket.....	J. F. Kress, W. Loshelder, H. O. Gross, and H. Loshelder, Jr.	770,590	Sept. 20	2767	586	112	658
Bracket.....	G. W. Campbell and A. C. Williams	772,212	Oct. 11	2015	444	112	1407
Bracket.....	O. B. Kaiser.....	773,207	Oct. 25	4188	884	112	1930
Bracket.....	G. E. Squire.....	776,764	Dec. 6	599	130	113	1558
Bracket and support.....	H. F. Keil.....	763,061	June 21	2868	620	110	2101
Bracket and support.....	H. F. Keil. (Reissue).....	12,331	June 21	3405	741	110	2319
Bracket for universal stand.....	A. L. Robbins.....	757,498	Apr. 19	2572	564	109	1320
Bracket-stand for slot or other machines.....	J. E. Packard.....	772,744	Oct. 18	3101	676	112	1665
Braid. Skirt.....	J. W. Schloss.....	758,564	Apr. 26	4704	1015	109	2411
Braiding-carrier.....	H. Janssen.....	753,199	Feb. 23	4612	1027	108	2120
Braiding-machine.....	W. Hill.....	755,003	Mar. 22	3551	778	109	827
Braiding-machine.....	J. P. Swift.....	757,423	Apr. 12	2420	527	109	1874
Braiding-machine.....	J. D. Bishop.....	767,376	Aug. 16	2514	527	111	1632
Braiding-machine.....	J. Lundgren.....	768,132	Aug. 23	4101	862	111	2005
Braiding-machine.....	A. Siegrist.....	772,479	Oct. 18	2573	566	112	1552
Braiding-machine racer.....	C. W. Hassler.....	749,290	Jan. 12	1520	323	108	366
See Air-brake.	Emergency-brake.						
Air and hand brake.	Fluid-pressure brake.						
Automatic brake.	Friction brake.						
Automobile-brake.	Gun-carriage wheel-brake.						
Band-brake.	Hand-brake.						
Band or strap brake.	Hoisting-machine brake.						
Beamless brake.	Locomotive-brake.						
Bicycle coaster-brake.	Magnetic brake.						
Car-brake.	Rail-brake.						
Car emergency-brake.	Railway-brake.						
Coaster-brake.	Shuttle-brake.						
Electric brake.	Spindle-brake.						
Electric-motor brake.	Track-brake.						
Electromagnetic brake.	Vehicle-brake.						
Electropneumatic brake.	Vehicle hand-brake.						
Elevator-brake.	Wagon-brake.						
	Well-brake.						
	Wheel-brake.						
Brake.....	J. A. Field.....	732,967	Feb. 23	4169	933	108	2024
Brake.....	J. A. and C. Mays.....	753,898	Mar. 8	1366	308	109	315
Brake.....	F. Stoltzenburg.....	756,188	Mar. 29	5773	1275	109	1327
Brake.....	M. A. Wodal.....	757,006	Apr. 12	1580	346	109	1634
Brake.....	J. D. De Pew.....	760,968	May 24	4754	1012	110	1110
Brake.....	J. W. Tapp.....	761,337	May 31	5510	1174	110	1292
Brake.....	F. L. Gerstner.....	762,302	June 14	1332	285	110	1749
Brake.....	F. A. Rundle.....	766,117	July 26	4434	950	111	1004
Brake.....	V. P. Taylor.....	766,916	Aug. 9	1625	343	111	1421
Brake.....	J. E. Berry.....	767,258	Aug. 9	2299	481	111	1569
Brake.....	J. D. Keiley.....	769,480	Sept. 6	677	146	112	154
Brake.....	J. A. Field.....	771,976	Oct. 11	1516	342	112	1295
Brake.....	F. H. White.....	772,988	Oct. 25	3570	773	112	1788
Brake.....	G. H. Markillie and J. L. Crisler	773,662	Nov. 1	243	54	113	58
Brake.....	W. T. Stewart.....	775,638	Nov. 22	4288	905	113	1023
Brake-adjuster.....	F. E. Beatty.....	776,032	Mar. 29	5614	1239	109	1293
Brake and automatic stop device.....	J. C. Smith.....	768,489	Aug. 23	4813	1008	111	2165
Brake and mud-guard. Combined.....	F. L. Fisher.....	763,871	June 28	4457	970	110	2466
Brake apparatus. Automatic fluid-pressure.....	M. Corrington.....	749,262	Jan. 12	1451	311	108	352
Brake apparatus. Fluid-pressure.....	J. Reichmann. (Reissue).....	12,207	Mar. 22	4629	1028	109	1059
Brake apparatus. Fluid-pressure.....	M. Corrington.....	762,282	June 14	1286	276	110	1739
Brake apparatus. Fluid-pressure.....	M. Corrington.....	772,404	Oct. 18	2416	529	112	1519
Brake apparatus. Load.....	H. R. Mason.....	749,075	Jan. 5	1058	224	108	244
Brake-beam.....	R. P. Lamont.....	749,577	Jan. 12	2091	434	108	490
Brake-beam.....	H. C. Bunoup.....	751,051	Feb. 2	493	115	108	1167

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr &g	Vol.	Page.
Brake-beam	G. B. Maltby	751,894	Feb. 9	2016	456	108	1507
Brake-beam	S. A. Crone	752,045	Feb. 16	3271	530	108	1602
Brake-beam	H. T. Anderson	752,277	Feb. 16	2815	624	108	1704
Brake-beam	A. Lipschutz	754,785	Mar. 15	3149	686	109	732
Brake-beam	W. McMillan	759,302	May 10	1484	297	110	359
Brake-beam	C. F. Huntoon	760,868	May 24	4557	971	110	1099
Brake-beam	S. A. Crone	762,285	June 14	1267	278	110	1741
Brake-beam	S. A. Crone	762,287	June 14	1300	279	110	1742
Brake-beam	S. A. Crone	762,288	June 14	1302	279	110	1742
Brake-beam	R. P. Lamont	766,362	Aug. 2	442	94	111	1137
Brake-beam	C. F. Huntoon	769,384	Sept. 6	493	109	112	112
Brake-beam	S. A. Crone	773,003	Oct. 25	3552	778	112	1792
Brake-beam	E. I. Dodds	777,279	Dec. 13	1555	354	113	1735
Brake-beam clamp	E. C. Totten	774,211	Nov. 8	1330	280	113	315
Brake-beam fulcrum	L. A. Shepard	749,107	Jan. 5	1122	237	108	259
Brake-beam fulcrum-post	W. E. Sharp	760,709	May 24	4234	899	110	1001
Brake-beam. Metallic.	A. Stucki	750,732	Jan. 26	4331	830	108	1007
Brake-block shoe	M. Potter	749,701	Jan. 12	2338	494	108	542
Brake device	E. G. Shortt	759,563	May 10	1986	406	110	470
Brake-handle.	C. J. Keplinger	757,468	Apr. 19	2518	552	109	1909
Brake-hanger. Non-chattering.	R. C. Taylor	762,956	June 21	2676	580	110	2058
Brake-lever attachment	R. W. Cooke	753,549	Mar. 1	545	146	109	142
Brake mechanism	R. E. Olds	749,903	Jan. 19	2740	586	108	647
Brake mechanism	J. G. Heaslet	764,357	July 5	912	186	111	201
Brake mechanism	C. K. Pickles	774,950	Nov. 15	2773	594	113	654
Brake mechanism. Automatic	A. E. Norris	774,448	Nov. 8	1738	374	113	406
Brake mechanism. Automatic fluid-pressure.	M. Corrington	749,263	Jan. 12	1458	375	108	352
Brake mechanism. Hand-	J. Maguire, W. M. and F. Young	770,298	Sept. 20	2230	465	112	538
Brake mechanism. Supplementary truck-frame for	W. G. MacLaughlin	772,946	Oct. 25	3488	756	112	1768
Brake-operated signal or tail light	S. N. Wilcoxson	778,729	Dec. 27	4468	757	113	2441
Brake-operating mechanism	I. Baker	765,160	July 19	2549	533	111	588
Brake-pressure mechanism. Automatic differential	J. Lord	768,386	Aug. 23	4626	968	111	2127
Brake-releasing device.	P. B. Harrison and C. F. Huntoon	750,031	Jan. 19	2997	642	108	702
Brake-rigging	W. G. Price	757,345	Apr. 12	2264	495	109	1841
Brake-rigging	J. M. Davies, Jr.	775,720	Nov. 22	4444	940	113	1056
Brake-rigging for trucks, &c	W. G. Price	762,844	June 14	2456	532	110	1989
Brake-rod automatic slack-adjuster	S. Jones	778,585	Dec. 27	4217	919	113	2384
Brake-rod jaw	A. Lipschutz	753,084	Feb. 23	4409	980	108	2074
Brake-shoe	F. W. Sargent	749,103	Jan. 5	1110	285	108	255
Brake-shoe	O. M. Stimson and P. Parke	750,728	Jan. 26	4326	934	108	1006
Brake-shoe	F. T. Dickinson	751,477	Feb. 9	1933	392	108	1349
Brake-shoe	F. W. Sargent	753,004	Feb. 23	4255	948	108	2039
Brake-shoe	J. D. Gallagher	754,440	Mar. 15	2479	540	109	576
Brake-shoe	A. L. Streeter	759,567	May 10	1994	408	110	472
Brake-shoe	J. N. Maxwell	762,484	June 14	1711	368	110	1829
Brake-shoe	J. R. Cardwell	762,513	June 14	1764	377	110	1841
Brake-shoe	E. W. Robinson	764,306	July 5	733	169	111	175
Brake-shoe	H. Fresh	766,437	Aug. 2	582	123	111	1167
Brake-shoe	H. L. Winslow	771,197	Sept. 27	3966	838	112	939
Brake-shoe	A. W. Whitcomb	773,697	Nov. 1	313	69	113	75
Brake-shoe	C. L. Streeter	773,823	Nov. 1	54	119	113	126
Brake-shoe and producing same.	A. G. Ette	754,921	Mar. 15	3331	741	109	775
Brake-shoe holder	A. M. Penneck	754,604	Mar. 15	2789	608	109	643
Brake-shoe-key blanks. Machine for making	G. Fraser	777,893	Dec. 20	2843	625	113	2077
Brake-shoe keys. Manufacturing	G. Fraser	777,947	Dec. 20	2960	650	113	2099
Brake-shoe. Roller-bearing	J. N. McNeace	775,280	Nov. 15	3500	651	113	830
Brake-shoe. Vehicle	W. W. Morton	772,170	Oct. 11	1933	428	112	1387
Brake-shoes. Making	J. R. Cardwell	753,040	Feb. 23	4332	963	108	2057
Brake slack-adjuster	W. J. Keville	749,967	Jan. 19	2869	614	108	674
Brake slack-adjuster	F. L. Clark	760,778	May 24	4384	932	110	1033
Brake system. Automatic	J. J. Finney	770,717	Sept. 20	3005	638	112	710
Brake system. Fluid-pressure	M. W. Hibbard	771,634	Oct. 4	818	181	112	1132
Brakes. Pressure-retaining device for fluid-pressure	F. Mertsheimer	766,642	Aug. 2	1023	215	111	1368
Brakes. Pressure-retaining mechanism for fluid-pressure	F. Mertsheimer	772,167	Oct. 11	1929	427	112	1386
Braking and clutching mechanism	W. Robinson	752,262	Feb. 16	2780	617	108	1697
Braking mechanism	J. B. Mahana	754,327	Mar. 8	2169	481	109	491
Braking system	C. P. Steinmetz	755,807	Mar. 29	5063	1125	109	1171
Branding implement. Oil-burning	G. France	754,862	Mar. 15	3297	718	109	735
Branding-iron	F. Fuller	769,735	Sept. 13	1140	246	112	276
Branning and polishing machine. Combined	T. M. Williams	771,890	Oct. 11	1340	308	112	1260
Brazing	H. P. Hiller	767,339	Aug. 9	2442	511	111	1599
Brazing	L. R. Schaap	777,546	Dec. 13	2126	559	113	1913
Brazing cast-iron	J. E. Tichon	756,079	Mar. 29	5380	1125	109	1287
Brazing compound	J. E. Tichon	756,080	Mar. 29	5380	1125	109	1287
Brazing compound	H. P. Hiller	767,340	Aug. 9	2443	512	111	1599
Brazing compound	L. R. Schaap	777,547	Dec. 13	2127	560	113	1913
Brazing-furnace. Hydrocarbon	C. E. Warner	767,509	Aug. 16	2795	584	111	1697
Bread	W. T. Gilmore	771,796	Oct. 4	1134	246	112	1301
Bread	W. Biber	773,166	Dec. 20	3374	718	113	2185
Bread and cake closet	H. W. Diers	737,282	Apr. 12	2118	462	109	1810

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Bread-cutter	G. I. Herrick	765,425	July 19	3047	698	111	695
Bread-cutting machine	O. Bernard	754,040	Mar. 8	1638	364	109	377
Bread-cutting machine	C. E. Poignant	762,940	June 21	2651	574	110	2053
Bread-forming machine	C. A. Meurell	769,445	Sept. 6	599	131	112	136
Bread-forming machine	C. A. Meurell	771,560	Oct. 4	680	152	112	1103
Bread-forming machine	C. A. Meurell	771,561	Oct. 4	683	152	112	1104
Bread. Machine for making Swedish hard	P. A. Soderholm and M. Olson	768,914	Aug. 30	5704	1199	111	2382
Bread. Making	L. C. Sharpless	766,398	Aug. 2	509	108	111	1152
Bread. Making	C. F. Dietz	776,777	Dec. 6	630	135	113	1563
Bread-making apparatus	E. D. Lynds	774,680	Nov. 8	2182	477	113	499
Bread-making machine	S. R. Stearns	752,119	Feb. 16	2507	557	108	1633
Bread mixer and kneader	C. F. Smith	769,193	Sept. 6	105	26	112	24
Bread or cake knife	A. M. and E. F. Roy	760,235	May 17	3342	703	110	786
Bread-pricking machine	C. A. Meurell	769,444	Sept. 6	597	131	112	135
Bread-slicer	G. Root	756,413	Apr. 5	450	93	109	1439
Bread without crust. Making	W. T. Gilmore	771,795	Oct. 4	1133	222	112	1201
Breastpin safety-catch	J. C. Nordt	754,794	Mar. 15	3163	689	109	725
Breath-guard	L. Sennett and A. L. Moore	752,114	Feb. 16	2497	556	108	1631
Breathing apparatus	C. W. Madsen	769,755	Sept. 13	1176	254	112	284
Breecch-closing device. Eccentric-screw	P. de Nordenfjelt and E. Ternström	748,978	Jan. 5	837	177	108	194
Breecching-strap holder	J. W. Adams	765,303	July 19	2790	582	111	640
Breecching's apparatus	J. L. Neubert and S. T. Wiedenbeck	749,087	Jan. 5	1033	208	108	249
Brewing	J. Schneible	775,780	Nov. 22	4551	966	113	1079
Brewing	J. Schneible	777,549	Dec. 13	2129	885	113	1913
Brewing-kettle, hop-jack tank, and cooker. Com- bined	C. F. Hettinger	763,606	June 28	3928	854	110	2353
Brick and tile. Combined	D. W. Anderson	750,789	Feb. 2	2	1	108	1057
Brick and tile. Combined	D. W. Anderson	750,790	Feb. 2	4	2	108	1057
Brick-car. Elevating	A. J. Zilker, A. L. Tidmarsh, and C. J. Armstrong	757,710	Apr. 19	3005	653	109	2018
Brick cement and glaze. Fire- brick composition. Fire- brick-cut-off table	G. M. Pressel and O. Fisher	775,384	Nov. 22	3726	884	113	897
Brick-cut-off table	J. Anderson	777,995	Dec. 20	3058	659	112	2118
Brick-cutter	W. H. Beltz	748,354	Jan. 12	1645	350	108	396
Brick-drier	B. E. Bechtel	762,008	June 14	1961	423	110	1882
Brick-drier. Moving	J. W. Aregood	761,025	May 24	4895	1036	110	1140
Brick-drying plan	I. E. Armstrong	763,349	June 23	3421	744	110	2241
Brick-drying plan	G. Pagel	760,186	Sept. 13	1973	419	112	460
Brick-elevating attachment for trucks	S. P. Hedges	774,074	Nov. 1	1073	230	113	242
Brick-facing machine	H. H. Smith and F. B. Dunn	768,316	Aug. 23	4455	935	111	2082
Brick. Fire	W. F. Shupert, J. Wormald, and H. L. Shupert	761,418	May 31	5663	1205	110	1398
Brick for the construction of arches	S. H. Clarke	758,417	Apr. 26	4420	949	109	2347
Brick-handling apparatus	L. F. Hart	750,645	Jan. 26	4133	896	108	962
Brick-handling truck	W. Miller	753,901	Mar. 8	1372	309	109	316
Brick-kiln	S. Rawles	765,098	July 12	2431	506	111	544
Brick-kiln	J. Elcock	767,637	Aug. 16	3052	637	111	1754
Brick-kiln	C. F. Kaul	768,287	Aug. 23	4400	924	111	2070
Brick-kiln	J. Sonka and R. A. Metzner	775,047	Nov. 15	2971	633	113	703
Brick-kiln	J. C. Boss	778,441	Dec. 27	3940	856	113	2325
Brick-kiln furnace	E. M. Clark	750,600	Jan. 26	4063	879	108	948
Brick-laying machine	J. Thomson	772,191	Oct. 11	1972	436	112	1396
Brick-machine	C. H. Horton	752,073	Feb. 16	2425	543	108	1615
Brick-machine	T. S. Crapp and R. C. Finch	752,887	Feb. 23	3998	895	108	1982
Brick-machine	H. A. Stouffer	756,906	Apr. 12	1370	308	109	1653
Brick-machine	C. F. Randall and W. C. Vanneman	757,961	Apr. 19	3484	755	109	2123
Brick-machine	J. A. Cothran	763,264	June 21	3261	703	110	2188
Brick-machine	J. W. Pertz	773,891	Nov. 1	716	152	113	164
Brick-machine	H. J. Flood	778,483	Dec. 27	4026	876	113	2343
Brick-machine mold	H. J. Flood	749,781	Jan. 19	2523	536	108	599
Brick-machine plunger	T. S. Crapp and R. C. Finch	762,230	June 7	1168	250	110	1693
Brick. Making	O. G. Diefendorf	766,938	Aug. 9	1680	357	111	1434
Brick-making machine	W. R. Oberdahn	750,059	Jan. 19	3052	654	108	712
Brick-making machine	J. H. Venables	755,818	Mar. 29	5061	1128	109	1175
Brick-making machine	E. R. Sutcliffe	766,074	July 26	4339	930	111	983
Brick-making-machine mold	E. R. Sutcliffe	765,907	July 26	4020	858	111	915
Brick-making machine. Pressed- brick. Making paving- brick-mold	F. Helm	761,886	June 7	552	110	110	1563
Brick-making machine. Pressed- brick. Making paving- brick-mold	T. S. Pierce	766,798	Apr. 5	1165	250	109	1238
Brick-mold	T. S. Crapp and R. C. Finch	757,726	Apr. 19	3040	661	109	2025
Brick-mold	E. W. Seamans	769,771	Sept. 13	1207	260	112	290
Brick-mold-washing machine	J. E. Fox	777,620	Dec. 13	2279	500	113	1943
Brick-molding machine	J. H. Emery	777,086	Dec. 13	1249	274	113	1721
Brick or block and facing therefor. Building brick or building-block. Glass-faced brick or stone. Making artificial brick or stone mold. Solid brick or tile cutter	T. W. Worrall	771,320	Oct. 4	595	131	112	1085
Brick or block and facing therefor. Building brick or building-block. Glass-faced brick or stone. Making artificial brick or stone mold. Solid brick or tile cutter	J. H. Leighton	756,971	Nov. 15	1311	333	109	1680
Brick or block and facing therefor. Building brick or building-block. Glass-faced brick or stone. Making artificial brick or stone mold. Solid brick or tile cutter	L. F. Kwiatkowski	773,222	Nov. 15	3356	600	113	789
Brick or block and facing therefor. Building brick or building-block. Glass-faced brick or stone. Making artificial brick or stone mold. Solid brick or tile cutter	J. P. Oosting	760,803	May 24	4439	944	110	1043
Brick or block and facing therefor. Building brick or building-block. Glass-faced brick or stone. Making artificial brick or stone mold. Solid brick or tile cutter	B. E. Bechtel	770,625	Sept. 20	2826	600	112	671

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Brick or tile cutting machine.	W. R. Cunningham	764,273	July 5	723	147	111	160
Brick or tile cutting machine.	W. R. Cunningham	775,800	Nov. 22	4590	148	113	1086
Brick or tile cutting machine cleaner	W. J. Eipp	751,269	Feb. 2	932	211	108	1255
Brick or tile die. Hollow	A. Gillett	762,899	June 21	2561	556	101	2032
Brick-pallet and truck	F. E. and E. A. Swift	757,068	Apr. 12	1705	370	109	1751
Brick. Paving.	A. F. Knobloch	775,905	Nov. 22	4732	1014	113	1133
Brick. Perforated radial	D. D. Elder, Jr.	776,127	Nov. 29	5246	1108	113	1251
Brick-pressing machine	I. V. Wolfe	776,820	Dec. 6	711	158	113	1583
Brick provided with vitreous or glass face	J. W. Hayward	771,011	Sept. 27	3592	757	112	860
Brick re-press	O. L. Gerwig	761,826	June 7	433	88	110	1335
Brick re-pressing machine	C. W. Pugh	771,000	Sept. 27	3751	790	112	893
Brick. Refractory	W. F. B. Berger	775,587	Nov. 22	4753	791	113	1121
Brick-stamping machine.	F. W. Miles	756,677	Apr. 5	925	202	109	1540
Brick, tile, &c. Glass-faced	E. Kaye	758,973	May 3	779	156	110	140
Brick-tongs	S. S. Langford	764,059	July 5	289	55	111	66
Brick-truck	W. L. Harbin	751,283	Feb. 2	954	217	108	1259
Brick-venereing apparatus.	E. Rolfe	772,828	Oct. 18	3240	706	112	1695
Bricks and apparatus therefor. Coating	M. Perkiewicz	771,443	Oct. 4	446	101	112	1052
Bricks. Cleaning.	F. D. Le Blanc	767,575	Aug. 16	2998	56	111	1737
Bricks for building purposes. Composition for	H. M. Hamore	767,054	Aug. 9	1887	-----	111	1481
Bricks or blocks. Mold for making building	T. W. Worrall	771,519	Oct. 4	594	132	112	1085
Bricks, plastering, &c. Compound for coating.	C. Jacobs	758,658	May 3	101	-----	110	26
Bricks, &c., with coatings of carborundum or similar materials. Producing	L. E. dit L. d'E. Muller	772,247	Oct. 11	2102	459	112	1437
Bridge	E. H. Arnold	749,771	Jan. 19	2501	532	108	595
Bridge	T. Tomlinson	755,724	Mar. 29	4896	1090	109	1134
Bridge	E. L. and J. C. Dildine	757,804	Apr. 19	3196	694	109	2059
Bridge	J. B. Strauss and G. J. S. Collins.	762,361	June 14	1444	813	111	1771
Bridge	A. Geisel	773,729	Nov. 1	373	83	113	88
Bridge and tailpiece. Combination	E. Reach	754,938	Mar. 15	3428	750	109	783
Bridge. Bascule.	C. L. Keller	752,563	Feb. 16	3353	745	108	1822
Bridge construction	J. F. Morton	750,475	Jan. 26	3813	828	108	899
Bridge construction	S. W. Hill	757,532	Apr. 19	2601	389	109	1947
Bridge construction	W. R. Diehl	758,428	Apr. 26	4436	953	109	2350
Bridge construction. Arch.	S. W. Hill	757,553	Apr. 19	2693	589	109	1948
Bridge cross-tie	J. B. Logan	750,208	Jan. 19	3309	715	108	767
Bridge or other structures. Expansion or movable bearings for	G. Ward	776,572	Dec. 6	212	47	113	1475
Bridge-pier	B. F. Hudson	772,615	Oct. 18	2826	621	112	1607
Bridge rail connection. Draw.	F. T. Kelly	756,651	Apr. 5	867	189	109	1527
Bridge-signal.	L. Allen	770,036	Sept. 13	1703	361	112	402
Bridge. Truss.	J. W. Headley	762,632	June 14	2010	434	110	1894
Bridges. Foundation-anchor for	P. P. Carver	770,674	Sept. 20	2931	622	112	695
Bridle	H. H. Poe	751,006	Feb. 2	414	98	108	1149
Bridle	C. Arnesen	752,278	Feb. 16	2816	624	108	1704
Bridle and bit	M. M. Stokes	770,831	Sept. 27	3252	685	112	783
Bridle attachment	W. H. Kindig, Jr.	753,200	Jan. 19	3335	712	108	764
Bridle-bit	R. H. Rawlings	758,688	May 3	158	34	110	39
Bridle-bit	H. A. Cummings	751,901	Feb. 9	2084	471	108	1523
Bridle-bit	H. S. Anderson	754,632	Mar. 15	2842	620	109	654
Bridle-bit	C. G. Olin	773,429	Apr. 19	3473	751	109	2120
Bridle-bit	H. J. Ormsby	767,117	Aug. 9	2029	422	111	1511
Bridle-bit	C. C. King	768,999	Aug. 30	5880	1233	111	2421
Bridle-bit	H. A. Sievert	757,954	Oct. 25	4640	979	112	2028
Bridle-bit	J. H. Slawson	773,601	Nov. 1	128	26	113	34
Bridle-blind	H. G. Semmann	766,397	Aug. 2	508	108	111	1152
Bridle side-cheek attachment	F. W. Kindig, Jr.	768,903	Aug. 30	5884	1195	111	2378
Brine. Purifying.	W. Trantmon	753,415	Mar. 22	4300	-----	109	989
Briquet-binder	E. J. Hoffman	759,443	May 10	1760	-----	110	418
Briquet-drier. Continuous.	C. M. Avery	777,767	Dec. 20	2550	565	113	2018
Briquet-forming machine	C. D. Jenkins	762,906	June 21	2574	559	110	2035
Briquet-machine	F. Meyer	763,498	June 28	3741	560	110	2313
Briquet-machine	J. J. Crawford	767,544	Aug. 16	2871	599	111	1714
Briqueting-machine	W. A. Kōneman	752,565	Feb. 16	3356	747	108	1823
Briqueting-machine	L. Benson and R. De Forest	752,644	Feb. 23	3536	787	108	1879
Briqueting-machine	J. J. Jones	765,842	July 26	3912	834	111	890
Briquets. Making	W. Huffelmann	748,739	Jan. 5	347	77	108	77
Briquets. Producing.	J. M. Davidson	756,593	Apr. 5	768	-----	109	1505
Bristle-combing machine	F. Trepanier	758,876	May 3	600	118	110	143
Broiler	J. Frye	757,864	Apr. 19	3303	715	109	2082
Broiler	P. Dedieu	759,504	May 10	1885	379	110	447
Broiler	C. B. Daniel	760,490	May 24	3657	773	110	872
Broiler	F. F. Hendrickson	769,745	Sept. 13	1159	774	112	280
Broiler holder. Meat.	I. M. Hall	762,401	June 14	1530	332	110	1788
Bromid-enlargement-making device	T. J. Lande	767,571	Aug. 16	2916	610	111	1724
Bromin apart from chlorin. Fractioning.	H. H. Dow	752,286	Feb. 16	2829	627	108	1707
Bromin from chlorin. Fractioning.	H. H. Dow	752,331	Feb. 16	2917	651	108	1726
Bromin from natural brines. Manufacturing	H. H. Dow	752,332	Feb. 16	2919	651	108	1727
Bromin into bromids and bromates. Converting	H. H. Dow	765,417	July 19	3323	635	111	633
Bronze to powder. Apparatus for reducing.	G. E. Schmidmer	775,510	Dec. 27	4073	888	113	2354

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Bronzing-machine	M. Fritsche	756,786	Apr. 5	1139	251	109	1588
Brooch-catch-locking device	C. N. Brown	773,540	Nov. 1	11	3	113	5
Brooder	C. E. Addis	749,144	Jan. 12	1303	257	108	295
Brooder	W. H. Bennett	750,335	Jan. 26	3566	772	108	845
Brooder	S. Fuston	752,542	Feb. 16	3313	737	108	1814
Brooder	M. A. Mills	754,330	Mar. 8	2173	482	109	492
Brooder	J. Purdy	769,633	Sept. 6	941	203	112	214
Brooder	G. Hacker	770,365	Sept. 20	2346	494	112	565
Brooder	W. S. Small	771,182	Sept. 27	3942	832	112	934
Brooder	J. Malmgren	773,660	Nov. 1	240	53	113	58
Brooder	W. Ohrmann	776,346	Nov. 29	5660	1198	113	1346
Brooder heating and ventilation system	G. Hacker	770,366	Sept. 20	2348	495	112	565
Brooding and nursing apparatus. Stock	G. Eisold	769,942	Sept. 13	1533	328	112	364
Broom	F. R. Lay	757,818	Apr. 19	3223	699	109	2065
Broom	S. Tuttle and A. G. T. Horn	768,944	July 26	585	573	111	930
Broom	T. H. Brown	773,867	Oct. 18	3319	734	112	1714
Broom-binding machine	S. P. Fraley	757,103	Apr. 12	1773	385	109	1736
Broom-bridle	J. B. Ryan	751,343	Feb. 2	1057	240	108	1283
Broom-bridle	N. N. S. Matcovitch	762,076	June 7	893	184	110	1631
Broom-bridle	H. L. Ferris	765,235	July 19	2671	555	111	615
Broom-bridle	A. Gelman	769,490	Sept. 6	572	125	113	130
Broom-corn-combing machine	S. C. Lehman	762,336	June 14	1373	237	110	1750
Broom fountain attachment	J. W. Shroyer	775,460	Nov. 22	3895	823	113	936
Broom-girdle	J. A. and J. R. Gurd	751,502	Feb. 9	1324	302	108	1359
Broom-heads. Making	S. J. Edmiston	763,663	June 28	4048	882	110	2379
Broom-holder	W. T. Spillane	756,294	Apr. 5	204	43	109	1388
Broom-holder	H. D. Harris	761,108	May 31	5130	1100	110	1322
Broom-holder	C. E. Pope	765,633	July 19	3452	728	111	781
Broom-holder	G. E. Crafts	769,469	Sept. 6	657	142	112	149
Broom-making machine	S. T. Cameron	778,564	Dec. 27	4165	1908	113	2373
Broom-moistener	W. S. Reynolds	754,705	Mar. 15	3005	636	109	691
Broom-winding machine	W. P. Bliss	759,339	May 10	1555	312	110	374
Broom-winding machine	J. C. Singleton	770,782	Sept. 27	3135	665	112	756
Brush	W. Braun	748,917	Jan. 5	696	153	106	157
Brush	A. Schickling	749,331	Jan. 12	1601	390	108	385
Brush	S. Zacek	755,985	Mar. 29	5417	1196	109	1251
Brush	W. W. Evans	756,282	Apr. 5	61	14	109	1356
Brush	E. A. Laitner	756,243	Apr. 5	101	22	109	1363
Brush	G. A. Vickery	756,098	Apr. 12	1563	343	109	1690
Brush	C. Gruneberg	758,063	Apr. 26	3718	808	109	2190
Brush	S. J. Ballard	768,554	Aug. 23	4946	1034	111	2194
Brush	W. Vanderman	768,710	Aug. 30	5301	1114	111	2290
Brush	E. Melchior	771,085	Sept. 27	3743	789	112	891
Brush	W. A. Geen	771,725	Oct. 4	985	220	112	1170
Brush	C. H. Papenfus	771,926	Oct. 11	1422	324	112	1376
Brush	D. W. Cole	772,217	Oct. 11	2024	445	112	1409
Brush	S. R. Boon	774,553	Nov. 8	1954	424	113	451
Brush	J. McDermott	774,689	Nov. 8	2198	480	113	504
Brush	B. A. Capehart	775,596	Nov. 22	4199	864	113	1004
Brush-adjuster. Automatic	W. H. Freedman	771,868	Oct. 11	1285	299	112	1248
Brush. Air	O. C. Wold	767,510	Aug. 16	2797	585	111	1697
Brush and dentifrice-receptacle. Combined tooth-	A. W. Ziegler and J. W. Slater	767,469	Aug. 16	2710	569	111	1677
Brush and making same	W. Dixon	772,089	Oct. 11	1769	393	112	1554
Brush and mop holder. Combined	H. G. Price	755,540	Mar. 22	4514	1005	109	1033
Brush attachment	G. Mielenhausen	761,532	May 31	5835	1249	110	1367
Brush attachment. Tooth-	A. A. Petersen	756,138	Mar. 29	5698	1257	109	1312
Brush-back drilling and plugging machine	C. Gruneberg	778,361	Dec. 27	3782	825	113	2291
Brush. Bottle	L. J. Widness	772,302	Oct. 11	2198	480	112	1449
Brush-breaker	O. Hallen	768,329	Aug. 23	4472	141	111	2086
Brush, cleaner, or polisher	E. Burt and H. Harris	759,155	May 3	1116	226	110	253
Brush. Combined hat and clothes.	C. Lashlie	749,359	Jan. 12	1723	365	108	411
Brush construction	C. Karpp	773,014	Oct. 25	3620	782	112	1797
Brush-cutter	L. E. Gannett	763,055	June 21	2859	618	110	2099
Brush-drip	W. Dunahan	775,526	Nov. 22	4060	848	113	964
Brush. Electric	A. C. Sanden and V. Senec	771,274	Oct. 4	106	24	112	985
Brush. Electric hair-	H. C. Doersch	751,839	Feb. 9	1967	446	108	1494
Brush. Eye	C. F. W. Ramus	772,177	Oct. 11	1946	430	112	1389
Brush. Floor or like	F. Neidenbach	767,831	Apr. 19	3342	703	109	2068
Brush. Fly	R. T. Fessler and P. J. Robinson	777,532	Apr. 19	3367	727	109	2086
Brush for doors. Fly	H. H. Hoy	770,906	Sept. 27	3389	715	112	813
Brush for screen-doors. Automatic fly-	E. C. Shoemaker	756,430	Apr. 5	466	96	109	1442
Brush. Fountain	A. A. Doten	756,103	Mar. 29	5646	1246	109	1300
Brush. Fountain	H. B. Landreth	757,628	Apr. 19	2859	623	109	1986
Brush. Fountain	D. E. Dunkle	757,897	Apr. 19	3367	727	109	2086
Brush. Fountain	W. J. Wright and G. J. Painter	767,194	Aug. 9	2187	456	111	1544
Brush. Fountain blacking	S. W. Marshall	748,767	Jan. 5	396	90	108	88
Brush. Fountain tooth-	A. Hosmer	776,468	Nov. 29	5896	1245	113	1400
Brush-handle	H. A. Hayden	760,451	May 24	3705	784	110	885
Brush-handle	H. A. Hayden	764,124	July 5	632	82	111	92
Brush-handle	D. G. Vaughan	772,849	Oct. 18	3292	717	112	1206
Brush-holder	C. O. Bullock	753,356	Mar. 1	250	57	109	57
Brush-holder	E. S. Lueth and C. D. Knight	762,074	June 7	891	184	110	1630
Brush-holder	H. G. Reist	764,499	July 5	1208	248	111	265
Brush-holder	R. Siegfried and C. B. Mills	765,306	July 19	2623	547	111	604
Brush-holder	E. D. Priest. (Reissue)	12,342	July 19	3521	742	111	795

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Brush-holder.....	L. Christiansen.....	766,169	Aug. 2	26	5	111	1048
Brush-holder.....	W. L. R. Emmet.....	769,599	Sept. 6	884	191	112	290
Brush-holder.....	E. D. Priest.....	770,546	Dec. 6	153	34	113	1459
Brush-holder.....	W. D. Reep.....	773,372	Dec. 27	3597	786	113	2251
Brush holder. Antiseptic tooth-	J. A. Cochran.....	757,585	Apr. 19	3342	723	109	2091
Brush holder. Electric.....	D. C. Cockingham.....	752,376	Feb. 16	2999	668	108	1745
Brush-holding stopper for paint-cans	W. A. Sexton.....	772,382	Oct. 18	2371	521	112	1509
Brush-machine.....	J. Morrison.....	760,137	May 17	3118	633	110	736
Brush machine. Rotary.....	R. Y. Yeomans.....	775,790	Nov. 22	3571	969	113	1082
Brush-maker's tool.....	H. Nielson.....	759,465	May 10	1800	363	110	428
Brush-making apparatus. Hair-	W. W. Carpenter.....	753,234	Mar. 1	34	8	109	10
Brush-manufacturing machine.....	J. F. Mumford.....	764,898	July 12	2054	424	111	465
Brush. Marking.....	J. La Burt and D. M. P. Campbell.	752,078	Feb. 16	2432	544	108	1617
Brush. Paint.....	N. Stow.....	759,930	May 17	2701	567	110	641
Brush. Painting.....	M. C. Cooper.....	753,125	Feb. 23	4477	996	108	2089
Brush. Pneumatic.....	E. B. Howell.....	768,100	June 21	2943	635	110	2116
Brush rack. Tooth.....	G. Howard.....	768,456	Aug. 23	4748	995	111	2153
Brush. Reservoir or fountain.....	J. Ballance.....	763,241	June 21	3219	694	110	2179
Brush. Rotary tooth.....	H. E. Tague.....	770,400	Sept. 20	3406	508	112	578
Brush. Shaving.....	G. Koch.....	770,588	Sept. 20	2764	586	113	657
Brush. Stone-polishing.....	E. Rauson.....	773,237	Mar. 3	3517	445	109	469
Brush. Sweeping.....	G. L. Lamb.....	758,082	Apr. 26	3744	814	109	2196
Brush. Tooth.....	H. E. Sandiford.....	758,109	Apr. 26	3796	824	109	2209
Brush. Tooth.....	W. A. Macleod.....	758,764	May 3	370	75	110	90
Brush. Tooth.....	A. Yates.....	759,490	May 10	1859	374	113	442
Brush. Tooth.....	J. P. Wilson.....	760,047	May 17	2936	613	110	685
Brush. Tooth.....	A. F. Blanchard.....	761,193	May 31	5218	1108	110	1229
Brush. Tooth.....	C. Heilrath.....	766,247	Aug. 2	218	42	111	1089
Brush with washing device. Tooth-	F. Fritz.....	757,907	Apr. 19	3389	733	109	2101
Brushes, brooms, hammers, picks, mortise-joints, or the like. Fastener for securing	J. W. Crook.....	769,338	Sept. 6	400	92	112	87
Brushes of loose bristles. Machine for freeing.	M. P. Tottle and G. B. Fairman	760,938	May 24	4694	1000	110	1098
Bubble-blower.....	P. D. Horton.....	770,288	Sept. 20	2209	460	112	533
Bucket.....	R. J. Aspin and J. A. Erickson	759,224	May 10	1389	264	110	823
Bucket.....	W. P. Davis.....	762,151	June 7	1029	214	110	1661
Bucket and suction dredge. Combined	P. J. Fickinger and S. J. Blake	777,500	Dec. 13	2026	447	113	1891
Bucket. Automatic.....	R. Andrew.....	758,608	May 3	1	1	110	3
Bucket. Bait.....	E. F. Atherton.....	771,597	Oct. 4	744	165	112	1118
Bucket. Clam-shell.....	R. H. Paar.....	769,874	Sept. 13	1405	299	112	335
Bucket. Clam-shell.....	S. Swedeborg. (Reissue)	12,191	Jan. 12	2369	500	108	549
Bucket. Clam-shell.....	J. C. Slocum.....	751,955	Feb. 9	2193	494	108	1546
Bucket. Clam-shell.....	J. C. Slocum.....	751,956	Feb. 9	2195	495	108	1546
Bucket. Clam-shell.....	W. K. Monroe.....	755,912	Mar. 29	5282	1165	109	1222
Bucket. Clam-shell.....	J. McMyler and F. W. Lovell.	776,081	Nov. 29	5160	1089	113	1231
Bucket. Clam-shell hoisting-	A. McKay and M. Moss.....	771,440	Oct. 4	443	101	112	1051
Bucket-dumping device. Automatic	J. McKinnon.....	753,271	Apr. 26	4108	889	109	2277
Bucket elevator and conveyer.	F. V. Hetzel.....	751,396	Feb. 2	1149	262	108	1302
Bucket elevator. Chain.....	H. M. Barngrover.....	763,141	June 21	3017	650	110	2133
Bucket. Grab.....	W. B. Roberts.....	760,250	May 17	3333	701	110	784
Bucket. Grab.....	J. B. Ladd and D. Baker.....	776,854	Dec. 6	796	172	113	1602
Bucket latch. Tramway.....	B. C. Riblet.....	761,609	May 31	5992	1287	110	1401
Bucket. Lifting.....	P. O. Hains and C. R. Weaver	763,391	June 28	3542	763	110	2271
Bucket. Mianow.....	T. B. Wilson and A. L. David	750,143	Jan. 19	3203	688	108	744
Bucket or pail fastener.....	K. Steidl.....	757,548	Apr. 19	3276	709	109	2075
Bucket or pail. Lunch.....	D. A. Ryan.....	773,988	Nov. 1	919	190	113	209
Bucket support. Intermediate.	A. R. Dodge.....	764,433	July 5	1066	218	111	237
Bucket suspension device. Two-rope-	J. S. Foster.....	749,784	Jan. 19	2528	537	108	600
Bucket. Well.....	C. A. Crane.....	748,704	Jan. 5	289	66	108	64
Bucket. Well.....	C. A. Crane.....	755,335	Mar. 22	4508	1002	109	1031
Buckets. Means for discharging materials from.	H. A. L. Barry. (Reissue)	12,367	Sept. 20	3027	643	112	715
Buckle.....	C. E. Smith.....	749,589	Jan. 12	2129	443	108	499
Buckle.....	H. L. Perryman.....	749,879	Jan. 19	2695	576	108	637
Buckle.....	H. L. Perryman.....	749,933	Jan. 19	2944	607	108	669
Buckle.....	M. Welch.....	751,407	Feb. 2	1163	265	108	1305
Buckle.....	J. E. Mitchell.....	751,585	Feb. 9	1484	336	108	1393
Buckle.....	J. E. Mitchell.....	751,867	Feb. 9	2020	457	108	1508
Buckle.....	R. Scheuer.....	753,320	Mar. 1	196	44	109	45
Buckle.....	A. Adington.....	754,731	Mar. 15	3048	665	109	700
Buckle.....	E. A. Mainquet.....	756,789	Apr. 5	300	198	109	1537
Buckle.....	D. L. Smith.....	762,662	June 14	2066	447	110	1906
Buckle.....	H. W. Luhmann.....	762,732	June 14	2221	482	110	1937
Buckle.....	M. M. Askey.....	764,029	July 5	235	42	111	55
Buckle.....	J. S. Stiles.....	764,065	July 5	296	57	111	67
Buckle.....	J. F. Atwood.....	764,789	July 12	1832	375	111	417
Buckle.....	J. C. Rosenkranz.....	765,938	July 26	4078	870	111	928
Buckle.....	L. Sanders.....	767,171	Aug. 9	2147	446	111	1535
Buckle.....	J. McCrossin.....	771,385	Oct. 4	323	72	112	1029
Buckle.....	N. Johnson and F. Pearson	771,586	Oct. 4	724	160	112	1113
Buckle.....	A. Steiner.....	775,176	Nov. 15	3242	694	113	754
Buckle.....	E. J. Colvin.....	775,688	Nov. 22	4385	925	113	1044
Buckle.....	F. Griest.....	777,005	Dec. 6	1086	236	113	1667
Buckle.....	F. W. Hawley.....	777,627	Dec. 13	2291	503	113	1946
Buckle and cockeye. Combined	W. H. Hart.....	760,987	May 24	4788	1018	110	1118
Buckle. Back-band.....	W. H. Hart.....	750,109	Jan. 19	3142	676	108	732

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Buckle. Back-band	C. Smallwood	770,397	Sept. 20	2401	507	112	577
Buckle. Back-band	J. B. Smith	773,223	Oct. 25	4290	808	112	1940
Buckle. Cotton-bale-tie	J. F. Matthews	749,076	Jan. 5	1060	225	108	214
Buckle. Cross-line	L. E. Crandall	777,940	Dec. 20	2949	648	113	2097
Buckle fastener. Belt	H. M. Rosenblatt	770,064	Jan. 19	3061	657	108	714
Buckle for connecting checkreins with driving-lines.	J. F. Zufall	755,205	Dec. 22	3908	863	109	94
Buckle for harness. Pad-skirt	W. A. Heiss	778,034	Dec. 20	3126	688	113	2132
Buckle. Garment	W. H. Johnson	749,995	Jan. 19	2927	625	108	687
Buckle. Harness	A. W. and T. H. Nance	748,776	Jan. 5	408	94	108	91
Buckle. Harness	C. G. Beyer	762,120	June 7	968	200	110	1647
Buckle. Harness	M. E. Zeller	770,055	Sept. 13	1702	361	112	402
Buckle-locking device	J. H. Spaulding	765,798	July 26	3831	816	111	872
Buckle. Suspender	L. Neuberger	753,424	Mar. 1	390	90	109	85
Buckle. Suspender	D. L. Smith	765,048	July 12	2333	484	111	524
Buckle. Suspender	D. L. Smith	767,126	Aug. 9	2047	426	111	1515
Buckle. Trace	J. Mensen	758,187	Apr. 26	3940	855	109	2241
Buddle	C. W. Denison	774,048	Nov. 1	1028	220	113	232
Buffing-machine	E. E. Winkley and B. Phillips	748,677	Jan. 5	229	54	108	50
Buffing-machine	W. A. Parmenter	776,417	Nov. 29	5792	1226	113	1377
Buffing-roll	M. Prevost	755,388	Mar. 22	4261	941	109	980
Buggy	C. Nelson	748,779	Jan. 5	413	95	108	92
Buggy-boot	J. P. Covert	767,735	Aug. 16	3210	676	111	1789
Buggy-boot holder	S. Pearson	753,428	Mar. 1	395	92	109	86
Buggy-boot spring	G. T. Wilson	750,927	Feb. 2	278	65	108	1119
Buggy-boot spring	W. R. Bradford	775,344	Nov. 22	3645	771	113	881
Buggy-seat	E. Corbett	778,223	Dec. 27	3475	767	113	2225
Buggy-seat brace	T. D. Clendinning	767,390	Aug. 16	2541	534	111	1638
Buggy-side curtain	B. S. D. S. Martin	772,525	Oct. 18	2659	584	112	1571
Buggy-top	W. A. Wilkins	749,008	Jan. 5	907	191	108	212
Buggy-top attachment	E. Walter	757,161	Apr. 12	1801	415	109	765
Buggy-top brace. Adjustable	M. B. Reese	772,203	Oct. 11	2180	476	112	1449
Buggy-top duster	J. P. Shipman	772,896	Oct. 18	3259	711	112	1700
Buggy-top joint	H. J. Douglas	752,960	Feb. 23	4177	931	108	2021
Buggy-top support	J. d'Alessandro	753,026	Feb. 23	4304	956	108	2032
Buggy-top support	L. W. Loving	766,365	Aug. 2	448	95	111	1133
Buggy-top support	G. H. Taylor	771,948	Oct. 1	1468	338	112	1285
Buggy-top support	P. A. McCue	773,963	Nov. 1	861	181	113	198
Buggy-wrench	R. M. Ware	770,407	Sept. 20	2416	510	112	580
Buggy-wrench	W. S. Mitts	776,412	Nov. 29	5781	1224	113	1374
Building apparatus. Portable	H. Brand	760,178	May 17	3205	1672	110	756
Building-block	F. B. Henry	748,603	Jan. 5	86	23	108	21
Building-block	O. H. Boen	749,030	Jan. 5	932	197	108	216
Building-block	E. O. Baylor	751,711	Feb. 9	1706	388	108	1439
Building-block	J. D. Morrison	753,286	Mar. 1	133	32	109	33
Building-block	A. F. Hoffman	753,491	Mar. 1	507	118	109	112
Building-block	R. T. Frost	757,033	Apr. 12	1657	358	109	1711
Building-block	F. W. Blakeslee	760,774	May 24	4377	931	110	1031
Building-block	W. Porten	762,193	June 7	1094	232	110	1677
Building-block	W. Porten	762,251	June 7	1208	253	110	1702
Building-block	S. D. Hackman	764,459	July 5	1129	228	111	881
Building-block	L. L. Larowe	765,086	July 12	2409	501	111	539
Building-block	A. A. Noble	767,494	Aug. 16	2771	579	111	1692
Building-block	E. Tisch	769,120	Aug. 30	6119	1279	111	2474
Building-block	G. Geraerds	769,539	Sept. 6	787	170	111	778
Building-block	T. Podmore	772,476	Oct. 18	2659	564	112	1551
Building-block	M. Brothers	773,244	Oct. 25	4253	899	112	1945
Building-block	J. Schall	773,899	Nov. 1	733	156	113	168
Building-block	S. O. Hawkinson	774,174	Nov. 8	1256	266	113	201
Building-block	P. Dierlamm	774,835	Nov. 15	2351	549	113	603
Building-block	A. C. Mather and M. F. Bowen	776,409	Nov. 29	5773	1223	113	1374
Building-block	G. Ferguson and J. W. Kissell	778,024	Dec. 20	3115	685	113	2130
Building-block and wall	F. E. Kidder	749,796	Jan. 19	2548	542	108	604
Building-block and wall	C. N. Allerding	750,562	Jan. 26	3999	864	108	934
Building-block and wall	O. Gelhaar	773,493	Oct. 25	4782	1008	113	2058
Building-block. Crystal	A. Biberfeld	767,589	Dec. 13	2222	487	113	1632
Building-block-forming machine	W. Raab	763,634	June 28	3992	868	110	2364
Building-block-forming machine. Hollow	J. H. Hendricksen	762,054	June 7	848	174	110	1620
Building-block-forming press	G. H. Denton	773,630	Nov. 1	175	29	113	44
Building-block-forming presses. Lowering-stand for	G. H. Denton	775,347	Nov. 22	3650	773	113	882
Building-block. Hollow	H. S. Palmer	759,010	May 3	847	172	110	195
Building-block mold	L. O. Burnham	760,678	May 24	4174	886	110	987
Building-block mold	H. Loewe, B. V. and L. V. Elzen	768,668	Aug. 30	5216	1087	111	2371
Building-block mold	J. A. Ferguson	769,601	Sept. 6	887	191	112	201
Building-block mold	J. A. Ferguson	773,082	Oct. 11	1644	368	112	1326
Building-block mold	J. P. Sherer	775,940	Nov. 29	4876	1032	113	1165
Building-block mold	I. L. Landis	775,980	Nov. 29	4970	1049	113	1187
Building-block-molding machine	L. P. Normandin	765,251	July 19	2699	562	111	620
Building-block-molding machine	L. P. Normandin	768,679	Aug. 30	5698	1101	111	2275
Building-block-molding machine	H. E. Goodwin	771,143	Sept. 27	3864	815	112	918
Building-block-molding machine	P. L. Britain	773,709	Nov. 1	338	75	113	81
Building-block-molding machine	J. W. Jackson	776,137	Nov. 29	5262	1112	113	1235
Building-block-molding press	J. H. Perrin	762,298	Feb. 16	2851	633	108	1712
Building-block-molding press	G. H. Denton	769,819	Sept. 13	1303	276	112	314
Building-block. Ventilating	R. L. Underwood	756,300	Apr. 5	216	44, 45	109	1391

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				Spec.	Dr. &c.	Vol.	Page.
Building, &c., blocks. Apparatus for making.	J. Brower	754,639	Mar. 15	2862	1625	109	658
Building-blocks from material including hydraulic cement. Manufacturing	H. Warden	775,588	Nov. 22	4183	1000	113	1000
Building, &c., blocks. Making	J. Brower	754,640	Mar. 15	2865	696	109	658
Building-blocks. Manufacture of	G. L. Peabody	776,794	Dec. 6	4669	146	113	1572
Building blocks or stones. Machine for molding.	W. L. Dow	753,377	Mar. 1	287	55, 66	109	65
Building construction	G. F. Fisher	755,122	Mar. 22	3751	824	109	872
Building construction	G. A. Behrnd	758,500	Apr. 26	4576	983	109	2383
Building construction	A. Haag	760,688	May 24	4191	890	110	901
Building construction	A. W. Stevens	774,313	July 5	802	164	111	177
Building construction	T. O'Shea	765,397	July 19	2993	626	111	684
Building construction	T. O'Shea	766,280	Aug. 2	295	59	111	1105
Building construction	J. O. Fisher	766,943	Aug. 9	1692	354	111	1438
Building construction	J. T. Ryther	768,079	Aug. 23	3967	838	111	1980
Building construction	A. Menczarski	773,215	Oct. 25	4201	889	112	1933
Building construction	E. May	773,404	Oct. 25	4580	967	112	2015
Building construction	J. Willis	774,545	Nov. 8	1932	417	113	447
Building construction. Composite	J. Kahn	751,921	Feb. 9	2129	479	108	1533
Building construction. Steel	H. G. Hodgkins	761,997	May 31	5438	1156	110	1276
Building material. Artificial	A. Seigle	776,430	Nov. 29	5821	113	1383	
Building material. Composite.	R. Hartman	750,456	Jan. 26	3776	821	108	890
Building or paving block	W. H. Reiff	774,276	Nov. 8	1435	307	113	340
Building or paving blocks	F. B. Henry	752,070	Feb. 16	2417	539	108	1613
Building-section	W. A. Warner	749,762	Jan. 19	2484	529	108	591
Building-section	S. Hanson	758,645	May 3	77	16	110	21
Building structure	L. P. Hazen	755,703	Nov. 22	4413	931	113	1049
Buildings. Construction of	H. F. Lightner	764,061	July 5	291	56	111	669
Buildings out of plastic material. Device for erecting	W. Harrison	756,629	Apr. 5	836	176	109	1517
Bulkheads. Construction of	J. Truax	757,368	Apr. 12	2309	504	109	1851
Bulletin-board	A. A. Wallman	762,666	June 14	2073	448	110	1908
Bulletin-board	F. Howard	778,490	Dec. 27	4043	881	113	2347
Bullets. Swaging conoidal-end.	W. Mason	771,083	Sept. 27	3741	788	112	891
Bumping-screen	H. L. King	762,239	June 7	1185	254	110	1697
Bundle-carrier	W. H. Woodman	759,056	May 3	927	188	110	212
Bundle carrier and shocker	O. Schneider	765,082	July 26	3572	757	111	823
Bundle-tie	S. Walker	768,250	Aug. 23	4327	911	111	2054
Bundling apparatus	F. P. Wiseburn and L. Buhle	774,226	Nov. 8	1343	286	113	320
Bung	P. N. Menard	761,241	May 31	5319	1130	110	1251
Bung	E. N. Greenwood	764,120	July 5	118	81	111	91
Bung and bushing and air connection. Barrel	H. Nadorff	773,967	Nov. 1	866	182	113	199
Bung and connection therefor. Valve.	D. Beebe	766,659	Aug. 2	1064	222	111	1276
Bung. Barrel.	E. M. Mayer	753,156	Feb. 23	4527	1009	108	2099
Bung for barrels, &c. Valved	J. E. Phillips	753,308	Mar. 1	772	39	109	40
Bung-hole borer	F. Pfugger and E. Christensen	761,397	May 31	5630	1198	110	1320
Bung-holes or the like. Temporary closure for	A. Hoerr and J. Boerschinger	777,100	Dec. 13	1274	280	113	1727
Bung-lock	G. F. Liebrock	751,525	Feb. 9	1361	311	108	1367
Bung-lock	H. Hubert	757,118	Apr. 12	1804	395	109	1742
Bung-mallet.	H. Jahn	772,516	Oct. 18	2647	581	112	1568
Bunker, bin, &c.	J. M. Dietele	755,635	Mar. 29	4707	1046	109	1090
Bunsen burner	W. D. Napier	756,138	Mar. 29	5691	1255	109	1310
Bunsen burner	M. and A. Herskovitz	752,773	Feb. 23	3769	841	108	969
Buoy	T. Smith	769,806	Sept. 13	1265	271	113	308
Buoy for sunken vessels	S. W. Roberts	758,218	Apr. 26	3998	868	109	2233
Buoy recorder. Bell.	J. F. Tribble	750,322	Jan. 26	3546	766	108	841
Bar-wheel	J. A. Fairbanks	761,630	May 31	6039	1295	110	1412
Bureau and wall trunk. Combined.	R. W. Gormly	776,988	Dec. 6	299	53	113	1482
Burglar-alarm	J. C. Lynch	755,682	Mar. 29	4792	1067	109	1100
Burglar-alarm	J. A. Minturn	752,174	Feb. 16	2595	577	108	1653
Burglar-alarm	C. H. De Voll	753,244	Mar. 1	54	14	109	14
Burglar-alarm	F. C. Robinson and J. E. Green	754,391	Mar. 8	2341	511	109	527
Burglar-alarm	N. A. Lyle	754,470	Mar. 15	2335	533	109	590
Burglar-alarm	A. F. Schilling	758,289	Apr. 26	3951	884	109	2330
Burglar-alarm	A. J. Kercher	759,615	May 10	2094	430	110	491
Burglar-alarm	G. A. Sachs	759,637	May 10	2143	441	110	501
Burglar-alarm	C. C. Kitterman	760,073	May 17	2080	623	110	706
Burglar-alarm	J. Wheeler	767,786	Aug. 16	3907	698	111	1811
Burglar-alarm	A. F. Streuber	771,286	Oct. 4	126	39	112	980
Burglar-alarm	W. H. Robins and J. F. Jacoby	777,749	Oct. 4	1031	230	112	1179
Burglar-alarm	E. W. Jenks	772,150	Oct. 11	1894	419	112	1380
Burglar-alarm	J. F. Kuhry and C. A. Youngren	773,650	Nov. 1	216	48	113	52
Burglar-alarm	J. H. Howard	773,745	Nov. 1	405	89	113	96
Burglar-alarm	H. W. Johnson	774,628	Nov. 8	2158	472	113	494
Burglar-alarm	J. W. Pickens and A. J. Ross	777,535	Dec. 13	2095	461	113	1904
Burglar-alarm and locking device	S. C. Lawlor	768,762	Aug. 30	5338	1136	111	2311
Burglar-alarm. Electric	A. Gatto	775,723	Nov. 22	4448	941	113	1057
Burglar-alarm. Safe	H. C. Gould	749,842	Jan. 19	2633	563	108	623
Burglar-alarm system. Electric	H. D. Stroud	774,342	Nov. 8	1562	334	113	368
Burglar-alarm window-fastener	C. Coleman	774,331	Nov. 15	2340	547	113	601
Burglar and fire alarm	J. Lyon	764,534	July 5	1298	264	111	284
Burglar and fire alarm. Electric	M. Nickels	757,490	Apr. 19	2558	562	109	1917
Burial apparatus	S. Schwarzschild	758,701	May 3	185	39	110	44
Burial apparatus	W. J. Barrett	760,773	May 24	4374	931	110	1080
Burial-cense	J. H. Beattie	771,452	Oct. 4	458	104	112	1055
Burial-casket	P. D. Skahan	766,000	July 26	4202	897	111	954
	W. C. Booth	748,692	Jan. 5	268	61, 62	108	59

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	De'g.	Vol.	Page.
Burial-casket	E. A. Post	768,481	Aug. 23	4800	1005	111	2163
Burial-casket	J. D. Ripson	772,747	Oct. 18	3108	677	112	1667
Burial-caskets, &c. Handle for	G. A. Schehr	768,799	June 28	4322	939	110	2437
Burial-caskets, &c. Handle for	G. A. Schehr	768,800	June 28	4324	939	110	2437
Burial-robe	W. J. Worden	765,536	July 19	3281	687	111	745
Burlap bag	T. G. Palmer	772,629	Oct. 18	2856	1165	113	1611
Burling or perching roll burner	A. L. Robertshaw	776,260	Nov. 29	5506	1166	113	1313
See Blue-burner.	Hydrocarbon-vapor burner.						
Bunsen burner.	Incandescent burner.						
Fluid-fuel burner.	Injector-burner.						
Fuel-burner.	Lamp-burner.						
Gas-burner.	Liquid-fuel burner.						
Gas and air mixing burner.	Oil-burner.						
Gas or vapor burner.	Petroleum-burner.						
Gaseous-fuel burner.	Self-igniting burner.						
Hydrocarbon-burner.	Stump-burner.						
Burner	J. D. Green	757,653	Apr. 19	2904	632	109	1996
Burner	T. Sities	761,331	May 31	5498	1171	110	1289
Burner	A. Plat	761,604	May 31	5583	1285	110	1400
Burner	F. W. Merrill	763,935	June 21	4354	721	110	2203
Burner	P. B. Curran	763,728	June 28	4177	910	110	2407
Burner	A. McLeod	765,985	July 26	4171	890	111	948
Burner	J. Heinrichs	766,618	Aug. 2	982	206	111	1260
Burner	A. G. Kaufman	768,753	Aug. 30	5573	1133	111	2308
Burner	J. McFarlane	768,816	Aug. 30	5591	1157	111	2333
Burner	P. Reinhalter	773,677	Nov. 1	276	63	113	66
Burner	G. G. Smith	774,456	Nov. 8	1757	379	113	409
Burner	J. D. Green	778,188	Dec. 20	3423	752	113	2195
Burner attachment and shade-support.	Extensible.	759,689	May 10	2231	460	110	521
Burner-bowl and valve	A. B. Hemingway	774,842	Nov. 15	2363	551	113	606
Burner-cap	A. S. Lynne	777,739	Dec. 20	2498	551	113	2007
Burner-casing	C. H. Montgomerie y Agramonte	759,541	May 10	1949	399	110	461
Burner-igniting attachment	G. Oberlaender	757,219	Apr. 12	2003	436	109	1787
Burning apparatus. Fuel-	H. H. Huff	772,147	Oct. 11	1887	418	112	1378
Burning apparatus. Pulverulent-fuel.	W. F. Wolfe	769,974	Sept. 13	1589	339	112	375
Burning liquid or gaseous fuels	C. E. Lucke	755,377	Mar. 22	4236	937	109	975
Burning wet and slowly-combustible fuel	H. E. Parson	762,345	June 14	1414	305	110	1765
Burnishing device	W. J. and J. R. Mitchell	774,444	Nov. 8	1734	373	113	405
Burnishing-machine	F. K. Hatfield	751,506	Feb. 9	1331	304	108	1360
Burnishing-machine	P. Duplessis	760,529	May 24	3859	818	110	921
Burnishing-machine	E. McDonald	767,653	Aug. 16	3073	642	111	1758
Burnishing-wheel	G. W. Kimball	753,497	Mar. 1	517	129	109	114
Bushing	F. Siebert	751,757	Feb. 9	1798	410	108	1457
Bushing	G. and J. Strehl	754,512	Mar. 15	2627	570	109	610
Bushing. Bung-	G. H. Ricke	758,386	Apr. 26	4347	933	109	2329
Bushing. Bung-hole	F. Pfugner and E. Christensen	759,126	May 3	1062	215	110	242
Bushing for beer or ale kegs or barrels	F. M. Pfuger	771,495	Oct. 4	541	121	112	1072
Bushing for crank-bearings. Shifting segmental	L. T. Weiss	758,397	Apr. 26	4361	938	109	2332
Bushing for junction-boxes. Outlet	F. W. Erickson	760,352	Jan. 20	3592	778	108	851
Bushing forming and setting machine	J. Jacobsen	758,364	Apr. 26	4397	925	109	2321
Bushing. Pulley	W. A. Clark	758,821	May 3	482	96	110	117
Bushing. Rawhide	J. A. Anderson	764,330	July 5	850	174	111	186
Bustle	E. Vaughn	757,369	Apr. 12	2311	505	109	1852
Bustle	E. Colquhoun	776,115	Nov. 29	5216	1102	113	1244
Butcher's sty	K. W. E. Baumgart and H. A. Möller	775,619	Nov. 22	4246	895	113	1014
Butter and making same. Milk product resembling	J. H. Campbell	755,843	Mar. 29	5144	1137	109	1192
Butter-cutter	J. D. Bloom	759,658	May 10	2182	448	110	510
Butter, &c., cutter.	R. Pozzi	770,476	Sept. 20	2546	543	112	607
Butter-cutter	A. C. Hummer	774,389	Nov. 8	1636	351	113	385
Butter. Making	J. Estep	749,833	Jan. 19	2651	.....	108	627
Butter. Making	W. A. Irwin	773,746	Nov. 1	3607	705	113	67
Butter-making means	C. M. Ryan, Jr.	755,256	Mar. 22	3998	887	109	922
Butter-mold	J. W. Easton	754,056	Mar. 8	1671	371	109	384
Butter-mold	G. W. Morrill	772,168	Oct. 11	1931	427	112	1387
Butter or cakes of other material. Machine for forming pats of	A. Lutze	758,763	May 3	367	74	110	90
Butter-pat-forming machine	E. O. Sutton	768,704	Aug. 30	5289	1111	111	2227
Butter-press	F. Murphy	752,464	Feb. 16	3166	706	108	1779
Butter-printing machine	L. A. Sheldon	758,706	May 3	203	41,42	110	48
Butter-separator	J. Meyrick, Jr.	754,931	Mar. 15	3410	746	109	779
Butter. Testing	M. Vogtherr	749,343	Jan. 12	1623	344	108	391
Buttercup-cutter	J. E. Blair	764,337	July 5	863	176	111	189
Button	A. P. Ward	748,673	Jan. 5	223	53	108	21
Button	R. R. Fogel and W. Bourke	749,856	Jan. 19	2656	567	108	698
Button	D. P. Katz	750,861	Feb. 2	151	35	108	1060
Button	M. B. Ryan	752,925	Feb. 23	4099	913	108	2004
Button	C. Schmidt	763,512	June 28	3763	813	110	2317
Button	F. R. White	765,217	July 19	2642	550	111	609
Button	L. Votroubek	765,758	July 26	3729	796	111	852
Button	H. H. Quehl	766,729	Aug. 2	1213	257	111	1310
Button	F. R. White	767,461	Aug. 16	3692	563	111	1673
Button	J. G. Breitenstein	769,083	Aug. 30	5922	1255	111	2446
Button	S. M. Merrill	775,375	Nov. 22	3710	788	113	944
Button	J. V. Pilcher	775,457	Nov. 22	3889	832	113	935
Button	O. L. Henerlau	778,241	Dec. 27	3517	774	113	2235

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Button and button-fastening. Combined.	G. W. McGill	753,612	Mar. 1	751	168	109	163
Button and tie. Collar.	H. L. Blais	754,842	Mar. 15	3224	710	109	747
Button and tie-holder. Combined collar.	J. B. Weaver	761,118	May 31	5084	1080	110	1200
Button-attaching machine.	H. Kerngood	755,884	Mar. 29	5219	1154	109	1808
Button backing. Display.	D. Pudlin	773,419	Oct. 25	4621	976	112	2024
Button-blank-cutting machine	J. W. Miller	749,079	Jan. 5	1064	225	108	245
Button-blanks from shells. Machine for manufacturing	C. Schroeffer	769,932	Sept. 13	1493	319	112	355
Button-carding machine.	A. J. Meetz	760,893	May 24	4597	981	110	1078
Button. Collar.	S. H. Hall	750,360	Jan. 26	3607	782	108	854
Button. Collar.	J. Eckstorm	750,622	Jan. 26	4099	887	108	955
Button. Collar.	L. Eberhart	758,742	May 3	334	66	110	82
Button. Collar.	G. A. Spaeth	765,862	July 26	8942	841	111	897
Button. Collar.	E. J. Baril	775,024	Nov. 15	2930	625	113	694
Button. Collar.	H. T. Murphy	775,607	Nov. 22	4217	888	113	1008
Button. Combination collar and cuff.	A. E. Strang	757,978	Apr. 19	3516	763	109	2130
Button. Cuff.	W. Doherty	749,540	Jan. 12	2355	426	108	483
Button. Cuff.	E. S. Happle	750,643	Jan. 26	4127	828	108	862
Button. Cuff.	J. Pejchar	756,047	Mar. 29	5527	1219	109	1575
Button. Cuff.	J. Pejchar	758,101	Apr. 26	3781	821	109	2205
Button. Cuff.	T. Fenton	766,816	Aug. 9	1429	299	111	1378
Button. Cuff.	D. Nideroest	767,835	Aug. 16	3405	718	111	1830
Button. Cuff.	F. E. Farnham	769,732	Sept. 13	1135	244	112	275
Button. Cuff.	E. F. H. Gaye	772,413	Oct. 18	2433	534	112	1522
Button. Detachable.	A. H. Brownley	758,602	Apr. 26	4774	1027	109	2426
Button-fastener.	G. Krementz	752,293	Feb. 16	2844	631	108	1710
Button-fastener.	T. R. Hyde, Jr.	772,280	Oct. 11	2159	471	112	1441
Button-fastening	J. E. B. Hicks	761,960	June 7	686	136	110	1550
Button-forming machine. Collar.	E. J. Yale	757,080	Apr. 12	1723	374	109	1725
Button. Garment.	R. Steiner	757,576	Apr. 19	2751	601	109	1982
Button. Lacing.	A. L. Cole	757,025	Apr. 12	1625	354	109	1703
Button. Lapel.	E. M. Denuiston	769,150	Sept. 6	18	5	112	6
Button lathe and drill.	E. M. Denuiston	769,150	Sept. 6	18	5	112	6
Button-making machine.	E. Rosenwald	761,544	May 31	5877	1259	110	1375
Button-making machine.	N., Jr., and P. J. Barry	766,014	July 26	4233	904	111	961
Button-making machine.	A. Phelps	772,669	Oct. 18	2929	642	112	1628
Button. Metallic.	G. J. Capewell	754,125	Mar. 8	1801	401	109	414
Button. Safety collar.	L. Blake	768,167	Aug. 23	4155	876	111	2019
Button. Safety-fastening.	J. Combs	764,562	July 12	1373	280	111	317
Button. Separable.	H. Müller	755,522	Mar. 22	4483	996	109	1025
Button. Separable link.	F. P. Barney	769,334	Sept. 6	394	91	112	85
Button-setting-machine attachment.	M. S. Elliott	765,616	July 19	3420	721	111	775
Button-shank former. Thread.	M. V. Quinn	759,307	May 10	1494	292	110	361
Button. Shirt.	G. S. Engle	777,491	Dec. 13	1432	317	113	1769
Button. Snap.	J. McLean	777,043	Dec. 6	1168	255	113	1687
Button socket member.	H. Kerngood	778,587	Dec. 27	4219	919	113	2385
Button. Suspender.	A. Bowers	750,580	Jan. 26	4027	871	108	940
Button. Tufting.	A. Neider	763,013	June 21	773	601	110	2080
Buttons. Making metal.	H. Higgin	767,885	Aug. 16	3514	744	111	1855
Buttoner.	J. D. Lord and P. P. Cooke.	773,658	Nov. 1	238	53	113	57
Buttoning device. Metallic.	E. B. Kleinsmith	756,027	Mar. 29	5499	1213	109	1269
Buttonhole cutting and stitching machine.	E. I. Rains.	773,982	Nov. 1	895	188	113	205
Buttonhole cutting and stitching machine.	E. B. Allen	758,037	Apr. 26	3650	789	109	2177
Buttonhole cutting and stitching machine.	E. B. Allen	767,539	Aug. 16	2855	590	111	1710
Buttonhole cutting and stitching machine work-clamp.	E. B. Allen	767,540	Aug. 16	2860	597	111	1712
Buttonhole-cutting tool.	C. L. Rogers.	756,803	Apr. 5	1171	260	109	1594
Buttonhole. Stitched.	J. T. Hogan	751,512	Feb. 9	1340	305	108	1363
Buttonhole stitching and cutting device.	C. P. Watson	766,081	July 26	4250	934	111	985
Buttonhole-stitching machine.	E. B. Allen	751,239	Feb. 2	866	138	108	1241
Buttonhole-stitching machine.	E. B. Allen	766,128	July 26	4454	954	111	1009
Cab-signal. Electric	E. McClintock	760,234	May 17	3902	693	110	777
Cabinet.	F. J. Saiger	749,884	Jan. 19	2705	577	108	639
Cabinet.	I. Mason	750,673	Jan. 26	4192	909	108	976
Cabinet.	N. A. McDonald	755,688	Mar. 29	4803	1069	109	1112
Cabinet.	W. B. Altick	756,555	Apr. 5	705	153	109	1492
Cabinet.	C. F. Tholin	756,911	Apr. 12	1391	309	109	1655
Cabinet.	L. Pederson	757,957	Apr. 19	3477	752	109	2121
Cabinet.	J. L. Tandy	759,769	May 10	2387	498	110	556
Cabinet.	J. L. Tandy	759,770	May 10	2388	498	110	557
Cabinet.	E. Krom	765,494	July 19	3210	671	111	730
Cabinet.	D. J. Sweet	768,968	Aug. 30	5814	1221	111	2407
Cabinet.	H. McCrory and G. J. Vogel	770,093	Sept. 13	1798	379	112	423
Cabinet.	G. Wazlavik	772,982	Oct. 25	3562	771	112	1786
Cabinet.	C. S. Bigelow and W. G. Hullhorst.	775,594	Nov. 22	4195	883	113	1003

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Cabinet	A. McKenzie	778,696	Dec. 27	4409	965	113	2428
Cabinet and means for storing, classifying, and indexing photographs, cards, &c.	J. C. Clarke	761,659	June 7	69	11	110	1453
Cabinet and rack for holding implements, &c. Combined	A. A. Low	765,318	July 19	2834	591	111	650
Cabinet. Dispensing	J. Lines	759,724	May 10	2295	476 477	110	535
Cabinet. Dispensing	C. W. Trefny	778,515	Dec. 27	4081	889	113	3556
Cabinet. Drawing	E. Holman	762,530	June 14	1810	389	110	1851
Cabinet. Druggist's prescription	J. P. Lonquist	753,152	Feb. 23	4523	1008	108	2098
Cabinet. Floss	C. E. Emory	766,333	Aug. 2	389	83	111	1126
Cabinet for specialists	T. W. Kelsey	776,519	Dec. 6	85	30, 31	113	1443
Cabinet. Garment	G. Grossman	765,384	July 19	2964	620	111	677
Cabinet. Grocer's	S. E. Moore	755,156	Mar. 22	3812	842	109	886
Cabinet. Kitchen	C. F. Kade	739,570	Mar. 15	2787	563	109	630
Cabinet. Kitchen	E. Guelff	757,400	Apr. 12	2378	517 518	109	1864
Cabinet. Kitchen	V. O. Rosser	762,198	June 7	1109	237	110	1680
Cabinet. Kitchen	L. T. Brenizer	766,661	Aug. 2	1069	648	111	1277
Cabinet. Kitchen	C. E. Sullivan	767,669	Aug. 16	3100	649	111	1764
Cabinet. Kitchen	F. Miller	767,908	Aug. 16	3551	751 752	111	1862
Cabinet. Kitchen	V. O. Rosser	770,610	Sept. 20	2796	594	112	665
Cabinet. Kitchen	B. J. Schlanser, Sr.	777,438	Dec. 13	1906	420	113	1865
Cabinet-maker's clamp	H. Jorgensen	775,659	Nov. 22	4334	914	113	1032
Cabinet. Picture	C. Wogenstahl	772,992	Oct. 25	3577	775	112	1789
Cabinet. Revolving	S. M. Holt	770,904	Sept. 27	3387	714	112	812
Cabinet. Sanitary	S. L. Stuart	775,410	Nov. 22	3785	800	113	913
Cabinet-work. Knockdown sectional.	J. F. Priemeyer	773,161	Oct. 25	4078	863	112	1906
Cable-carrier knocker	P. A. Myers	767,488	Aug. 16	2747	576	111	1686
Cable-clip	O. C. Hoffmann	749,988	Jan. 19	2916	623	108	685
Cable-clip	O. C. Hoffmann	749,989	Jan. 19	3917	623	108	685
Cable-clip	J. McFarlane	754,884	Mar. 15	3334	729	109	763
Cable-grip	T. J. Cook	757,724	Apr. 19	3037	660	109	2024
Cable-grip clamp	E. J. Brown	749,896	Jan. 19	2728	583	108	644
Cable-hanger	R. H. Villard and H. P. Copeland	751,228	Feb. 2	843	192	108	1236
Cable-hanger	F. E. Wey	759,757	May 10	2433	509	110	507
Cable-hanger	D. B. Bronson	773,710	Nov. 1	345	76	113	82
Cable-making machine	J. H. Schoonmaker	749,732	Jan. 19	2466	525 526	108	587
Cable-support	J. K. Gano	765,886	July 26	3984	849	111	907
Cable-system chart. Underground.	W. E. Rundle	759,629	May 3	861	175	110	198
Cable tension-reel	J. A. Moser	756,683	Apr. 5	935	204	109	1542
Cable tension-regulator. Overhead	J. F. and D. J. McKay	757,952	Apr. 19	3469	750 751	109	2119
Cable-testing key	W. B. Hale	752,158	Feb. 16	2575	573	108	1648
Cable-traction system	G. W. Sanders	767,337	Aug. 16	3421	722	111	1833
Cable-traction system	A. Painter	769,399	Sept. 6	516	114	112	116
Cables. Automatic releasing device for noosed	A. Tuttle	761,736	June 7	372	75	110	1522
Cables. Carriage for overhead	T. Alexander	759,207	May 3	1246	251	110	284
Cables on winding-drums. Machine for laying	A. F. Wheaton	776,975	Dec. 6	1027	221	113	1655
Cables or other flexible bodies with solid ends. Providing	G. G. M. Hardingham	754,997	Mar. 22	3542	776	109	825
Cableway	T. S. Miller	759,901	May 17	2646	555	110	639
Cableway	T. S. Miller	773,235	Oct. 25	4349	918	112	1967
Cableway-conveyer. Electrical	C. Messick, Jr.	776,339	Nov. 29	5640	1195 1196	113	1340
Cage. Automatic dumping	A. T. Smith	766,907	Aug. 9	1613	339	111	1418
Cage-trap	A. B. Hendryx	749,790	Jan. 19	2539	540	108	603
Caisson	D. E. Moran	759,388	May 10	1663	336 337	110	397
Caisson	D. E. Moran	759,389	May 10	1666	337	110	397
Cake-beater	M. A. Ritter	774,697	Nov. 8	2216	483	113	508
Cake-dresser. Rotary	R. F. Stephenson	774,541	Nov. 8	1921	417	113	444
Cake-mixing machine	J. C. Gautier	772,797	Oct. 18	3194	695	112	1686
Cake or doughnut cutter	G. C. Baier	769,933	Sept. 13	1518	322	112	360
Cake-trimming machine. Layer	C. F. Dietz	754,548	Mar. 15	2685	583	109	632
Calcing alumina sulfate, &c.	A. E. Cummer	769,534	Sept. 6	778	167 168	112	176
Calcing apparatus	D. L. Kibler	761,684	June 7	125	181	110	1466
Calcing-furnace	W. A. Kõneman	776,186	Nov. 29	5356	1133 1134	113	1277
Calcium carbide. Making	A. H. Cowles	760,312	May 17	3441	725	110	808
Calculating and recording machine	C. D. Baird	754,836	Mar. 15	3237	705 706 707	109	742
Calculating and recording machine	G. Rainey	776,617	Dec. 6	299	66, 67	113	1496
Calculating apparatus	A. B. Bly	770,552	Sept. 20	2698	571	112	643
Calculating device. Mechanical	A. W. Steele	767,181	Aug. 9	2160	449 450	111	1538
Calculating device. Mechanical	F. J. Anderson	769,044	Aug. 30	5974	1231	111	2442
Calculating-machine	D. E. Felt	749,177	Jan. 12	1269	275 276 180	108	311
Calculating-machine	F. C. Rinsche	751,207	Feb. 2	788	182 183 184	108	1225
Calculating-machine	T. E. McCarty	751,670	Feb. 9	1633	370	108	1424
Calculating-machine	J. Vermeiren	755,084	Mar. 22	3695	810	109	860
Calculating-machine	A. C. Jackson	756,168	Mar. 29	5740	1268	109	1321

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Inventor.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Calculating-machine.....	D. E. Felt.....	762,520	June 14	1775	380 381 382	110	1843
Calculating-machine.....	F. C. Rinsche.....	764,008	July 5	180	31, 32 139	111	43
Calculating-machine.....	R. E. Spivey.....	764,387	July 5	987	199 200 808 809 805	111	219
Calculating-machine.....	H. E. Goldberg.....	765,774	July 26	3775	804 805 806	111	861
Calculating-machine.....	W. F. Yaxley.....	767,468	Aug. 16	2703	568 569	111	1675
Calculating-machine.....	C. M. Furman, Jr.....	770,061	Sept. 13	1743	368 369	112	410
Calculating-machine.....	M. Mayer.....	772,623	Oct. 18	2845	624	119	1611
Calculating-machine.....	C. Hamann.....	772,935	Oct. 25	3468	751 752 829 830	112	1764
Calculating-machine.....	W. Rabich, G. Rein, and L. Ehrlich.....	773,100	Oct. 25	3884	831 832	112	1859
Calculating-machine.....	E. S. Ensign.....	773,632	Nov. 1	182	40 41 42	113	46
Calculating-machine.....	J. G. Zollman.....	775,667	Nov. 22	4345	1030	113	1035
Calculating-machine.....	B. H. Saunders.....	775,939	Nov. 29	4858	1031 1032	113	1162
Calculating-machine.....	J. Mallmann.....	777,797	Dec. 20	2610	576 577 578 579	113	2030
Calculating-machine actuating means.....	F. P. McBerty.....	762,928	June 21	2623	568 569	110	2046
Calculating-machine handle-retarding mechanism.....	C. W. Les.....	759,944	May 17	2725	572 573	110	647
Calculating-machine. Interest and percentage.....	W. M. Braly.....	770,710	Sept. 20	2994	636 637	112	708
Calculating-machine registering mechanism.....	D. E. Felt.....	762,521	June 14	1766	382 383	110	1846
Calculating-machine repetition means.....	K. Kelling.....	769,614	Sept. 6	907	196	112	206
Calculating-machine ribbon mechanism.....	C. D. Baird.....	759,848	May 17	2559	534 58	110	609
Calculating mechanism.....	E. H. Palmer.....	764,068	July 5	301	59 60	111	68
Calculator.....	E. C. Duncan.....	749,851	Jan. 19	2649	566	108	626
Calculator.....	G. P. Wiley.....	760,360	May 17	3523	742	110	826
Calculator.....	A. H. Pollen and M. Barr.....	764,074	July 5	325	63, 64	111	71
Calculator.....	C. H. Speckman.....	767,087	Aug. 9	1971	411	111	1499
Calculator.....	J. E. Duncan.....	772,792	Oct. 18	3184	693	112	1683
Calculator.....	H. M. Seitzinger.....	774,281	Nov. 8	1445	310	113	342
Calculator.....	A. H. Merrill.....	778,790	Dec. 27	4586	1003	113	2467
Calculator canceling mechanism.....	D. E. Felt.....	767,107	Aug. 9	2010	418 419	111	1507
Calculator. Logarithmic.....	E. A. Sperry.....	773,235	Oct. 25	4233	899	112	1940
Calendar.....	B. Rosenfeld.....	749,227	Jan. 12	1330	297	108	339
Calendar.....	J. A. Cheape.....	749,528	Jan. 12	2021	419 420	108	473
Calendar.....	G. B. Keplinger.....	758,758	May 3	361	72	110	88
Calendar.....	F. M. Rand.....	759,549	May 10	1968	402	110	466
Calendar.....	R. Illing.....	774,323	Nov. 8	1532	328	113	302
Calendar. Daily-engagement.....	W. E. Judge.....	766,768	Aug. 2	1277	271	111	1324
Calendar for pencils, &c.....	F. Spillane.....	770,613	Sept. 20	2804	596	112	666
Calendar. Perpetual.....	T. O'Shaughnessy.....	771,742	Oct. 4	1007	225	112	1174
Calendar. Perpetual.....	T. O'Shaughnessy.....	773,669	Nov. 1	257	57, 58	113	62
Calendars and similar sheets. Machine for bordering.....	J. F. Ross.....	754,941	Mar. 15	5443	755	109	797
Calendar-roll.....	E. R. Beck.....	775,438	Nov. 22	3848	813	113	926
Calendering-machine.....	L. Eck.....	748,593	Jan. 5	74	20 21 22	108	18
Calendering-machine.....	C. E. Torrance.....	753,761	Mar. 1	1041	236 237 238 239	109	224
Calendering-roll.....	J. L. Perkins.....	776,796	Dec. 6	665	146	113	1573
Calendering-rolls.....	J. Stuart.....	762,211	June 7	1132	242	110	1685
Caliper attachment. Micrometer.....	W. D. Turner.....	754,106	Mar. 8	1774	394	109	408
Calipers.....	F. Shafer.....	758,283	Apr. 26	4138	894	109	2283
Calipers.....	C. W. West.....	762,786	June 14	2332	507	110	1960
Calipers.....	J. T. Lemon.....	763,913	June 28	4541	990	110	2483
Calipers.....	C. E. Lamb.....	769,908	Sept. 13	1461	312	112	347
Calipers.....	J. J. Bornheimer.....	772,324	Oct. 18	2270	497	112	1437
Calipers. Adjustable.....	W. K. H. Woerner.....	762,971	June 21	2697	584	110	2063
Calipers and dividers. Combined.....	A. Solo.....	770,544	Sept. 20	2683	567	112	639
Calipers and dividers. Combined.....	H. Sanger.....	777,643	Dec. 13	2336	510	113	1953
Calipers. Compression-indicator for.....	C. C. McClaghry.....	765,034	July 12	2901	478	111	518
Calipers. Micrometer.....	H. O. Borduas.....	756,461	Apr. 5	543	114	109	1458
Calipers. Micrometer.....	F. Spalding.....	761,328	May 31	5494	1169	110	1288
Calipers. Micrometer.....	F. Spalding.....	769,197	Sept. 6	110	28	112	25
Calipers or dividers.....	F. H. Cawley.....	760,560	May 24	4733	1008	110	1106
Calipers, T-square, and scale. Combined.....	H. B. Cary.....	752,829	Feb. 23	3876	860	108	1954
Calipers. Taper.....	O. B. Creamer and A. J. Q. Knowlton.....	777,605	Dec. 13	2256	496	113	1938
Calipers. Taper.....	O. B. Creamer and A. J. Q. Knowlton.....	777,606	Dec. 13	2258	496	113	1938
Calking-tool. Pneumatic.....	J. J. Tynan and H. C. Mostiller.....	754,175	Mar. 8	1887	421	109	433

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Call-box	J. C. Barclay	761,026	May 24	4897	1037	110	1140
Call-box	J. C. Barclay	777,337	Dec. 13	1689	374	113	1817
Call or alarm device for hotels, &c.	H. Reed	755,408	Apr. 5	440	91	109	1435
Cam or eccentric	E. Vanderheyden	751,577	Feb. 9	1471	333	108	1391
Camera	W. H. Cooley	753,124	Feb. 23	4475	996	108	2088
Camera	G. C. Beidler	753,351	Mar. 1	244	55	109	55
Camera	H. O'Donnell and W. C. South	755,235	Mar. 22	3956	870	109	914
Camera	W. F. Folmer	756,614	Apr. 5	801	174	109	1512
Camera	G. H. Dorr	760,060	May 17	2960	1617	110	702
Camera	H. Goodwin	761,474	May 31	5756	1228	110	1349
Camera	H. Goodwin	764,238	July 5	756	155	111	167
Camera	F. A. Brownell	764,910	July 12	2086	432	111	473
Camera	A. T. Newman	766,967	Aug. 9	1732	363	111	1446
Camera	L. Neseemann	770,100	Sept. 13	1811	382	112	425
Camera	T. J. Burns	771,607	Oct. 4	760	169	112	1121
Camera	J. S. Wright	771,757	Oct. 4	1049	234	112	1183
Camera	C. F. Ames and H. A. Rearson	773,700	Nov. 1	317	70	113	75
Camera	J. Goddard	775,136	Nov. 15	3158	670	113	744
Camera-bed	H. W. Locke	753,800	Mar. 1	1160	262	109	249
Camera-brace	J. Goddard	774,940	Nov. 15	2761	592	113	652
Camera enlarging attachment	A. L. Swartz	772,976	Oct. 25	3550	68	112	1783
Camera film-spool. Photographic	H. Fritzsche	774,061	Nov. 1	1050	225	113	237
Camera focusing device	M. Schell	757,968	Apr. 19	3500	759	109	2126
Camera. Folding photographic	W. Gundermann	762,164	June 7	1045	812	110	1665
Camera. Folding pocket and focal-plane-shutter	J. S. Wright	773,437	Nov. 22	3844	813	113	926
Camera multiple-exposure attachment	H. L. Boston	773,627	Nov. 1	169	38	113	43
Camera multiplying attachment	A. L. Swartz and A. R. Martin	767,021	Aug. 9	1820	382	111	1465
Camera. Panoramic	L. J. Smith	773,348	Oct. 25	4463	323	112	900
Camera. Panoramic	W. J. Johnston	776,403	Nov. 29	5762	1220	113	1369
Camera. Panoramic	P. N. Angsten and C. H. Gesbeck	778,394	Dec. 27	3839	838	113	2303
Camera. Photographic	F. W. Brehm	749,126	Jan. 5	1153	245	108	267
Camera. Photographic	F. W. Brehm	749,127	Jan. 5	1155	245	108	267
Camera. Photographic	W. Gundermann	732,970	Feb. 23	4199	935	108	2027
Camera. Photographic	H. P. Tattersall	757,691	Apr. 19	2976	647	109	2011
Camera. Photographic	J. A. Pautasso	757,836	Apr. 19	3249	705	109	2070
Camera. Photographic	E. Kronke	759,114	May 3	1044	212	110	237
Camera. Photographic	J. E. Thornton	760,584	May 24	3966	843	110	943
Camera. Photographic	M. Niell	769,319	Sept. 6	367	35	112	80
Camera. Photographic	J. Millard	772,285	Oct. 11	2168	473	112	1443
Camera. Photographic	W. H. Cooley	774,565	Nov. 8	1973	429	113	455
Camera. Photographic	C. Bornmann	775,261	Nov. 15	3458	731	113	821
Camera. Photographic	G. Washington	778,518	Dec. 27	4085	891	113	2357
Camera. Photographic roll-holder	F. A. Brownell	771,416	Oct. 4	405	90, 91	112	1043
Camera plate-holder attachment	J. A. Smith	771,282	Oct. 4	119	27, 28	112	988
Camera plate-holders. Releasing device for magazine	J. C. Fyfe and V. Odquist	749,284	Jan. 12	1506	321	108	362
Camera-shutter	J. A. Ricketts	778,334	Dec. 27	3712	811	113	2276
Camera-support	W. G. Geier	755,649	Mar. 29	4728	1033	109	1697
Camera-support	M. Graf	768,987	Aug. 30	5854	1222	111	2415
Camera support. Photographic	A. Mercier, Son	765,980	July 26	4161	899	111	946
Camera swing-back. Photographic	H. W. Locke	755,680	Mar. 29	4789	1066	109	1109
Camera vignetter attachment	H. C. Gregg	765,477	July 19	3174	1663	111	723
Cameras. Air-check exposing device for	F. E. Cheesman	766,874	Aug. 9	1542	323	111	1402
Cameras. Lens-carriage clamp for photographic	F. B. Case	770,230	Sept. 13	2039	429	112	475
Cameras. Lens-support for ground glasses on	H. T. Donnan	774,656	Nov. 8	2135	467	113	489
Cameras. Magazine plate-changing apparatus for photographic	A. A. Brooks	774,977	Nov. 15	2839	1604	113	672
Cameras. Means for attaching supplementary parts to photographic	H. W. Locke	749,738	Jan. 19	2436	518	108	590
Cameras. Multiple-view back for	A. E. Lipp	753,279	Mar. 1	119	29	109	29
Cameras. Photographic lens for	F. Stark	751,116	Feb. 2	609	141	108	1180
Camphor. Making	K. Stephan and P. Hunsalz	770,940	Sept. 27	3459	119	113	830
Camping outfit	D. T. Abercrombie	775,766	Nov. 22	4322	960	113	1073
Can.							
See Ash-can.	Milk-can.						
Biscuit-can.	Oil-can.						
Cement-cap.	Package-can.						
Cream-can.	Pomade-can.						
Creaming-can.	Powder-can.						
Display-can.	Safety-can.						
Garbage-can.	Sheet-metal can.						
Key-can.	Spouted can.						
Metal can.	Tin can.						
Can.	J. J. Shannon	749,231	Jan. 12	1393	298	108	339
Can.	E. Eckart	755,119	Mar. 22	3747	823	109	871
Can.	C. B. Howell and A. C. De Yoe	756,638	Apr. 5	841	182	109	1520
Can.	J. E. State	766,542	Aug. 2	815	172	111	1219
Can.	G. C. Witt	766,566	Aug. 2	866	181	111	1231
Can and opener therefor	E. G. Moersch	759,460	May 10	1787	362	110	424
Can-bodies. Forming	F. D. Cleveland	756,332	Apr. 12	1235	276	109	1624
Can-body-forming and side-seam-soldering machine. Combined	H. B. Williams and F. M. Leavitt	775,890	Nov. 22	4739	1004	113	1117
Can-body machine	J. Black and F. J. Smith	752,949	Feb. 23	4153	926	108	2015

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Can-body-machine feed mechanism	E. Zeh	769,927	Sept. 13	1505	322 323 323	112	357
Can-body machine. Locked-seam-	J. H. McElroy	775,340	Nov. 22	3626	768 769 770	113	876
Can breasts. Attaching hoops to milk-	A. T. Kates	753,580	Mar. 1	704	158	109	154
Can-capping machine	F. Rogers	757,842	Apr. 19	3264	707	109	2073
Can-capping machine	J. T. Wilmore	758,034	Apr. 19	3641	787 788	109	2156
Can-capping machine	C. B. McDonald	759,300	May 10	1480	297	110	359
Can-capping machine	C. B. McDonald	761,093	May 31	5039	1069	110	1191
Can-capping machine	F. A. Dixon	768,737	Aug. 30	5350	1127	111	2301
Can-capping machine	C. B. McDonald	774,195	Nov. 8	1289	374	113	309
Can-capping machine	C. B. McDonald	775,339	Nov. 22	3624	768	113	876
Can-capping machine	A. Hoffman	776,910	Dec. 6	897	199	113	1624
Can caps or seals. Tool for locking	H. A. Truesdale	763,937	June 28	4583	1001	110	2492
Can-catcher	H. P. Hinckley	750,973	Feb. 2	360	87	108	1137
Can-cleaning machine	W. Munn	766,510	Aug. 2	748	156	111	1204
Can-closing machine. Friction-top-	J. F. Kurfess	765,184	July 19	2534	540	111	594
Can-closure	H. F. Maranville	751,318	Feb. 2	1020	323	108	1375
Can-closure	H. S. Brevington	756,573	Apr. 5	735	158	109	1497
Can, &c., closure	C. A. Cheney	766,592	Aug. 2	918	194	111	1243
Can-closure	F. Ginot	769,899	Sept. 13	1446	309	112	343
Can-closure	M. Levine	776,190	Nov. 29	5364	1136	113	1278
Can closure and spout	J. M. Edwards	764,566	July 12	1378	111	111	817
Can controlling and separating apparatus	O. S. Fellows and A. E. Hopkins	778,022	Dec. 20	3108	684	113	2128
Can-cooling apparatus	A. E. Hopkins and O. S. Fellows	774,177	Nov. 8	1261	267	113	302
Can-covers in canning. Apparatus for holding	E. W. Hayden	761,767	June 7	292	58	110	1503
Can-elevator	A. E. Hopkins and O. S. Fellows	751,170	Feb. 2	722	165	108	1211
Can-filling machine	F. B. Fulton	759,760	Jan. 26	4395	948	108	1024
Can-filling machine	J. W. Carnochan	751,257	Feb. 2	910	949	108	1250
Can-filling machine	J. C. Winters	763,136	June 21	3007	649	110	2131
Can-filling machine	C. S. Bucklin	768,552	July 19	3312	694	111	752
Can-filling machine. Multiple-	J. Cunningham	766,329	Aug. 2	384	81	111	1125
Can-fluxing apparatus	J. G. and M. O. Rehfuss	754,702	Mar. 15	2998	654	109	689
Can-fusing machine	A. Lotz	773,800	Nov. 1	500	109	113	117
Can-lifter	A. G. Beck	761,136	May 31	5114	1086	110	1207
Can-making machine	J. G. and M. O. Rehfuss	754,701	Mar. 15	2994	652 653 654	109	688
Can-making machine	J. G. and M. O. Rehfuss	754,940	Mar. 15	3438	755	109	784
Can-manufacturing machine	D. L. Eustice	753,966	Mar. 8	1509	336	109	348
Can-opener	C. A. Ford	749,548	Jan. 12	2064	337	108	484
Can-opener	R. P. Norton	755,789	Mar. 29	5035	1118	109	1164
Can-opener	C. E. Overs	759,908	May 17	2657	557	110	632
Can-opener	H. W. Thurlow	765,155	July 12	2541	531	111	567
Can-opener	F. White and F. Winkler	765,450	July 19	3108	650	111	708
Can-opener	A. D. York	766,209	Aug. 2	116	651	111	1067
Can-opener	W. H. Stephenson	769,292	Aug. 2	315	64	111	1110
Can-opener	F. R. Pendleton	766,370	Aug. 2	467	100	111	1148
Can-opener	G. Agobian	767,131	Aug. 9	2059	428	111	1517
Can-opener	W. R. Holder	767,755	Aug. 16	3244	683	111	1797
Can-opener	G. H. Jaquith	769,166	Sept. 6	52	13	112	14
Can-opener	E. Novak	769,396	Sept. 6	511	113	112	115
Can-opener	A. F. Bethge	771,697	Oct. 4	933	210	112	1159
Can-opener	G. C. Parish	776,540	Dec. 6	143	33	113	1457
Can-opener	Z. A. Church and S. A. Smith	778,112	Dec. 20	3275	719	113	2164
Can-opener	J. M. Keep	778,673	Dec. 27	4374	955	113	2420
Can or receptacle for articles of merchandise	J. C. Kimsey	770,075	Sept. 13	1766	374	112	416
Can or vessel opening attachment	S. L. Sheldon	758,152	Apr. 26	3876	841	109	2228
Can-runway	E. E. Hopkins and O. S. Fellows	732,341	Feb. 16	2934	654	108	1731
Can-spout	J. L. Fuser	762,817	June 14	2396	522	110	1876
Can-spout. Oil-	A. H. McGinty	764,537	July 5	1316	266	111	287
Can-testing machine	B. Adriance and A. Calleson	762,604	June 14	1950	421	110	1879
Can-testing machine	C. H. Ayars	778,623	Dec. 27	4284	965	113	2399
Can-testing machine	C. H. Ayars	778,623	Dec. 27	4287	930	113	2400
Can-top	C. C. Woods	775,202	Nov. 15	3999	704	113	777
Cantops and bottoms. Apparatus for transferring	J. G. and M. O. Rehfuss	751,206	Feb. 2	786	179	108	1225
Cantops and bottoms from forming-dies. Pneumatic means for removing	J. G. and M. O. Rehfuss	754,704	Mar. 15	3004	656	109	691
Can valve attachment. Oil-	E. A. Young and L. C. Fuller	757,107	Apr. 12	1913	418	109	1768
Cans. Apparatus for exhausting air from fruit-	R. C. Davis	757,895	Apr. 19	3364	727	109	2096
Cans. Apparatus for exhausting the air from	W. E. W. Cates	762,140	June 7	1005	208 209 210	110	1656
Cans. Machine for putting tops and bottoms on	J. G. and M. O. Rehfuss	754,700	Mar. 15	2990	651 652 653	109	687
Cans. Machine for venting and restopping vents of	S. Haigh	767,222	Aug. 9	2243	467 468	111	1555
Cans. Manufacture of decorated or labeled drawn	J. Shirreffs	767,174	Aug. 9	2151	447	111	1536
Cans preparatory to being fluxed and soldered.	J. G. and M. O. Rehfuss	754,703	Mar. 15	3002	655	109	690
Apparatus for heating							
Cans. Tongueless tearing-strip for key-opening paint-	H. B. Williams	777,167	Dec. 13	1392	308	113	1751
Cans, &c. Vacuum-machine for	C. B. McDonald	761,092	May 31	5035	1068 1069	110	1190

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Cans. Vent apparatus for oil or other.	W. Joyce	756,373	Apr. 5	375	76	109	1424
Cans without the use of solder. Means for securing valves to	W. F. Brodriek	776,215	Nov. 29	5412	1147	113	1289
Canned fruits, vegetables, &c. Process-kettle for.	J. Baker	758,411	May 10	1740	346	110	407
Cand. and substances. Processing	H. C. Garner	769,737	Sept. 13	1142	112	112	277
Canning and cooking apparatus. Goods	T. M. Brown	771,765	Oct. 4	1069	239	112	1188
Canning apparatus. Food.	C. C. Hovey	756,637	Apr. 5	839	181	109	1520
Canning device. Fruit or vegetable	F. G. Slemmer	750,407	Jan. 26	3689	801	108	872
Canning-factory corn and syrup feeder	J. M. C. Jones	748,744	Jan. 5	355	788	108	79
Canning-machine	S. J. Baker	772,078	Oct. 11	1745	389	112	1348
Canceling stamps and postmarking mail. Machine for	G. W. White	777,870	Dec. 13	1575	351	113	1791
Candle	W. Ehrhardt	768,435	Aug. 23	4718	869	111	2147
Candle and shade holder.	A. W. Hoffmann	755,664	Mar. 29	4760	1059	109	1103
Candle-extinguisher	G. Stevenson	763,440	June 28	3646	786	110	2234
Candle-extinguisher	C. B. Isakson	767,892	Aug. 16	3525	747	111	1857
Candle-holding device	E. W. Curtiss	766,599	Aug. 2	940	198	111	1320
Candle-molding machine	S. H. Leavenworth	750,663	Jan. 26	4159	302	108	968
Candle-molding machine	S. H. Leavenworth	755,592	Mar. 29	5235	1157	109	1212
Candlestick-holder	J. C. Schifferle	760,156	May 17	3161	660	110	745
Candlestick. Miner's.	R. H. Rusden	753,165	Feb. 23	4549	1014	108	2105
Candlestick. Miner's.	E. W. Packard	760,598	May 17	3595	758	110	842
Candy-cutter	E. W. Stubbs	770,870	May 17	3364	519	110	791
Candy-cutting and shaping machine	W. Turnbull	756,741	Apr. 5	1052	234	109	1568
Candy-feeding machine	H. S. Gordon	767,936	Aug. 16	3618	765	111	1876
Candy-flattening machine	H. G. Lange	757,472	Apr. 19	2553	553	109	1910
Candy-forming machine	B. B. Bowers	769,887	Sept. 13	1493	304	112	339
Candy-kisses, &c. Machine for wrapping	S. F. Hamblin	753,371	Mar. 1	680	153	109	150
Candy-pulling machine	D. T. Igou	752,979	Feb. 23	4215	939	108	2030
Candy-pulling machine	J. G. Breckenridge	753,353	Mar. 1	247	56	109	56
Candy-pulling machine	F. H. Richards	764,538	July 5	1311	266	111	288
Candy-pulling machine	E. W. Barratt	764,076	July 12	2209	267	111	499
Candy-pulling machine	G. M. Griswold	767,143	Aug. 9	3085	434	111	1522
Candy-pulling machine	C. Thibodeau	772,442	Oct. 18	2490	545	112	1535
Candy-pulling machine	J. H. Volkmann	772,981	Oct. 25	3560	770	112	1786
Candy-pulling machine	J. H. Volkmann	777,162	Dec. 13	1384	305	113	1750
Candy rolling and cutting machine	E. W. Barratt	755,343	Mar. 22	4170	921	109	959
Candy-working machine	W. T. Hudson	752,226	Feb. 16	2702	598	108	1679
Candy-working machine	W. T. Hudson	752,227	Feb. 16	2704	598	108	1680
Cane	F. A. Finch	764,997	July 12	2342	463	111	506
Cane	E. Ely	772,408	Oct. 17	2187	532	112	1521
Cane and folding stool. Combined	C. S. Rogers	767,245	Aug. 9	2279	477	111	1564
Cane and seat. Combined	F. H. Morse	768,882	Aug. 30	5648	1188	111	2368
Cane and stool. Combination	J. Manderson and R. Coombs	771,165	Sept. 27	3910	825	112	928
Cane and stool. Combined	M. F. Dougherty	763,166	June 21	3079	663	110	2148
Cane and umbrella. Combined	C. S. Rogers	767,246	Aug. 9	2280	477	111	1565
Cane and umbrella. Combined	S. F. Wilkins	752,740	Feb. 23	3714	829	108	1918
Cane-crusher. Sugar	H. Wilson and H. L. Crumby	757,988	Apr. 19	3542	767	109	2134
Cane-cutting and stripping machine	A. C. A. Dupuy	753,558	Mar. 1	659	148	109	145
Cane fabric. Machine for inserting diagonal strands in woven	E. G. Watkins	761,800	June 7	381	77, 78	110	1524
Cane-loader	J. D. Martinez	749,073	Jan. 5	1052	222	108	242
Cane. Magazine torpedo	C. W. Leslie	761,309	May 31	5461	1160	110	1281
Cane-mill	J. P. Golden	778,410	Dec. 27	3879	815	113	2313
Cane or corn cutter.	J. B. Gaussiran	775,168	Nov. 15	3223	690	113	759
Cane. Parade-	H. W. Wylie	775,346	Dec. 27	3743	816	113	2282
Cane. Repeating torpedo	J. H. Fox	773,635	Nov. 1	195	43	113	48
Cane sling. Sugar-	O. Crosby	758,959	May 3	756	150	110	175
Cane. Spring map-roller	O. L. Osborn	764,301	July 5	735	161	111	773
Cane-stripper	J. J. Jackson	760,208	Aug. 16	3357	688	110	126
Cane. Torpedo	P. R. Roberts	767,440	Aug. 16	2645	556	111	1662
Canister	C. A. Norvell	778,065	Dec. 30	3187	701	113	2145
Canister-top.	A. S. Lyhne and W. S. Stapley	770,763	Sept. 27	3095	656	112	748
Canopy	M. J. Dwyer	767,513	Aug. 16	2898	596	111	1698
Canopy. Adjustable	E. G. Burland	757,175	Apr. 12	1880	422	109	1772
Canopy-frame coupling	R. E. Palmer	774,393	Nov. 8	1644	353	113	387
Canopy-support	J. O. Gage	752,543	Feb. 16	3315	738	108	1814
Canopy-support.	J. H. Sprague	778,381	Dec. 27	3814	833	113	2336
Canopy-support. Turnback	I. E. Palmer	772,174	Oct. 11	1942	428	112	1386
Canopy support. Turnback-	T. E. Palmer	777,916	Dec. 30	2805	637	113	2063
Cant-hook	N. Blanchet	763,249	June 21	3321	696	110	2182
Canteen	T. J. Pratt	753,516	Mar. 1	570	131	109	124
Cap	W. F. Drake	751,480	Feb. 9	1287	293	108	1350
Cap	A. Wolfgang	759,206	May 3	1245	250	110	283
Cap	C. J. Breck and C. R. Freeman	766,419	Aug. 2	351	115	111	1161
Cap	S. Blachmann	767,093	Aug. 9	1853	389	111	1474
Cap	E. S. Rogers	776,261	Nov. 29	5507	1166	113	1311
Cap-bar tip	G. F. Payne	768,621	Aug. 30	5112	1075	111	2249
Cap. Bathing-	J. Tocher	770,338	Sept. 20	2306	485	112	556
Cap-closure. Rotary	H. J. S. Hall	748,671	Jan. 12	2279	481	108	329
Cap. Combined tourist and automobile	R. Fox	768,276	Aug. 23	4380	920	111	2067
Cap. Convertible tourist and automobile	R. Fox	768,602	June 28	3921	853	111	2351
Cap-cutting gage	W. C. Fenimore	770,800	Sept. 27	3172	672	112	764
Cap for armor-piercing projectiles	C. Davis	778,225	Dec. 27	3480	768	113	2226
Cap. Projectile-	C. V. Wheeler and A. G. McKenna	748,827	Jan. 5	513	117	108	116

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Cap. Retaining-vessel	C. C. Woods	766,091	July 26	4390	940	111	994
Capstan	G. Hartweg	756,851	Apr. 12	1273	283	109	1631
Capstan. Double or compound	J. A. Curry	754,974	Mar. 22	3506	768	109	817
Capsule decapping, filling, and recapping machine	A. K. Carter	744,378	Nov. 8	1618	347	113	381
Car	C. A. Lindström and J. F. Streib	759,290	May 10	1464	292	110	355
Car	S. M. Curwen	761,626	May 31	6032	1294	110	1410
Car	S. M. Curwen	761,627	May 31	6034	1294	110	1410
Car	S. M. Curwen	761,628	May 31	6034	1295	110	1411
Car	C. B. Vaynow and G. B. Taylor	762,779	June 14	2310	504	110	1957
Car	F. E. Hobbs	775,490	Nov. 22	3947	834	113	948
Car	E. W. Summers	778,394	Dec. 27	3517	833	113	2299
Car. Adjustable double-deck stock	J. B. Smiley	778,337	Dec. 27	3725	813	113	2278
Car air-cushion	M. Downer	758,604	Apr. 26	4780	1028	109	2427
Car and elevator for power plants. Transfer	J. W. Seaver and C. H. Wellman	772,183	Oct 11	1956	432	112	1392
Car antifriction device. Railway	C. A. Stelle	760,084	May 17	3005	625	110	712
Car attachment	F. Freadreazea	758,519	Apr. 26	4607	992	109	2390
Car automatic stop. Cable	A. M. Green	774,244	Nov. 8	1876	154	113	327
Car-body	W. W. Smith	776,811	Dec. 6	699	155	113	1581
Car body and truck	E. S. Bennett	775,644	Nov. 22	4297	908	113	1025
Car body-bolster	G. G. Floyd and C. H. Howard	755,289	Mar. 22	4054	899	109	935
Car body-bolster	G. G. Floyd and C. H. Howard	755,290	Mar. 22	4055	899	109	935
Car body-bolster	J. M. Hopkins	763,978	July 5	100	30	111	30
Car body-bolster	J. Green	776,236	Nov. 29	5468	1158	113	1303
Car body-bolster. Railway	J. M. Hansen	749,133	Jan. 5	1169	248	108	271
Car body-bolster. Railway	C. S. Shallenberger	751,875	Feb. 9	2033	460	108	1511
Car body stake	A. Lipschutz	766,048	July 26	4291	919	111	973
Car-bolster	A. C. McCord	759,289	Mar. 1	137	32	109	34
Car-bolster	C. A. Lindström	758,542	Apr. 26	4637	1002	109	2400
Car-bolster	R. V. Sage	774,698	Nov. 8	2217	483	113	508
Car-bolster	J. Green	776,234	Nov. 29	5466	1157	113	1393
Car-bolster. Dumping	M. Foshee	770,899	Sept. 27	3378	713	112	510
Car-bolster. Railway	H. W. Frost. (Reissue)	12,291	Nov. 29	5922	1249	113	1406
Car-bolster. Trussed	A. Stuckl	776,814	Dec. 6	703	156	113	1582
Car-brake	A. S. Hodges	748,605	Jan. 5	90	23, 24	108	22
Car-brake	W. House	748,735	Jan. 5	340	75, 76	108	75
Car-brake	W. J. Russell	749,102	Jan. 5	1109	235	108	255
Car-brake	D. W. Copeland and J. R. Montague	749,169	Jan. 12	1255	270	108	308
Car-brake	E. C. Shaver	751,112	Feb. 2	601	139	108	1169
Car-brake	J. H. Smith	751,355	Feb. 2	1083	245	108	1288
Car-brake	H. T. Brown	754,193	Mar. 8	1917	427	109	439
Car-brake	H. E. and M. L. Brown	754,419	Mar. 15	2413	528	109	562
Car-brake	H. Jones	755,883	Mar. 29	5216	1154	109	1207
Car-brake	W. Gossett	757,910	Apr. 19	3394	735	109	2102
Car-brake	M. Mabrey	758,186	Apr. 26	3939	854	109	2241
Car-brake	W. C. Mitchell and M. Cummins	761,692	June 7	141	26	110	1469
Car-brake	E. Williams	763,134	June 21	3004	647	110	2130
Car-brake	J. B. McKiel	764,617	July 12	1483	303	111	341
Car-brake	J. W. Lafferty	764,667	July 12	1592	325	111	364
Car-brake	S. T. Noble	765,096	July 12	2427	546	111	543
Car-brake	A. Pfoser and A. Nehren	768,399	Aug. 23	4646	972	111	2131
Car-brake	H. Hoffmann	768,991	Aug. 30	5865	1230	111	2418
Car-brake	A. G. Sandman	769,358	Sept. 6	441	99	112	98
Car-brake	W. S. Adams	771,522	Oct. 4	559	194	112	1086
Car-brake	E. Stevens	771,585	Oct. 4	722	159	112	1112
Car-brake	A. Brown	773,190	Oct. 25	4139	874	112	1920
Car-brake	H. J. Bayard	776,717	Dec. 6	500	110	113	1537
Car-brake and starter. Combined	H. E. Kellogg and G. F. Swain	757,811	Apr. 19	3208	697	109	2061
Car-brake. Automatic	C. F. Pierce	769,284	Sept. 6	190	45, 46	112	42
Car-brake beams. Signal operated by	S. N. Wilcoxson	758,308	Apr. 26	4362	938	109	2332
Car-brake. Emergency	M. Woltz	754,181	Mar. 8	1900	423	109	436
Car-brake. Emergency	S. A. Duvall	754,551	Mar. 15	2689	584	109	623
Car-brake. Emergency	W. M. Ryerson	772,536	Oct. 18	2677	589	112	1574
Car-brake head	J. H. Graham	758,176	Apr. 26	3922	851	109	2237
Car-brake mechanism	J. Shelton	758,391	Apr. 26	4354	935	109	2331
Car, &c., brake. Mine	C. J. Gustafson	769,261	Sept. 6	243	56, 57	112	52
Car-brake-operating mechanism	J. L. Peacock	754,603	Mar. 15	2787	608	109	642
Car-brake-operating mechanism	W. M. Hopkins	764,137	July 5	429	83, 84	111	98
Car brake. Passenger	M. Toltz	754,829	Mar. 15	3224	704	109	739
Car brake. Railway	E. W. Olds	764,670	July 12	1600	327	111	367
Car brake. Railway	E. A. Wagener	769,576	Sept. 6	845	181	112	191
Car brake. Railway	W. L. Barker	778,396	Dec. 27	3844	839	113	2305
Car brake. Railway	W. L. Barker	778,498	Dec. 27	3932	835	113	2323
Car brake-rods. Brake-jaw for	A. Lipschutz	768,879	Aug. 30	5644	1186	111	2367
Car-brake safety attachment	J. B. Wright	763,346	June 21	3403	741	110	2219
Car-brake slack-adjuster	E. E. Crowell	758,423	Apr. 26	4428	951	109	2349
Car-brake slack-adjuster	W. O. Murphy	778,597	Dec. 27	4239	923	113	2389
Car-brakes. Means for automatically adjusting	J. A. Rubel	764,380	July 5	970	185	111	215
Car-buffer	G. F. Starbuck	751,212	Feb. 2	810	187	108	1330
Car-bumper	E. Moran	766,056	July 26	4305	922	111	976
Car-bumper	W. V. Johnson	777,953	Dec. 20	2969	652	113	2101
Car bumper and coupling. Mine	J. M. Phillips	753,623	Mar. 1	769	171	109	167
Car-chair	G. W. Chambers	770,161	Sept. 13	1924	410	112	450
Car-chock	J. W. Aregood	763,836	June 28	4395	955	110	2453
Car cinder-guard	J. W. Harrison	764,462	July 5	1129	230	111	249

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Car. Coal, ore, or ballast	G. E. Simonton	776,149	Nov. 29	5284	1117	113	1260
Car. Combination stock, coal, and coke	G. E. Simonton	761,550	May 31	5887	1362	110	1377
Car. Combined freight and dump	A. Lipschutz	750,670	Jan. 26	4177	906	108	972
Car. Combined grain and stock	A. Becker	762,118	June 7	965	199	110	1646
Car construction	H. F. Vogel	770,132	Sept. 13	1869	397	112	438
Car construction	G. I. King	774,967	Nov. 15	2799	599	113	660
Car construction	J. H. Graham	775,217	Nov. 15	3346	713	113	787
Car construction. Metallic.	C. M. Carnahan	750,049	Jan. 19	3037	645	108	707
Car construction. Metallic.	C. Vanderbilt.	771,589	Oct. 4	730	161	112	1114
Car. Convertible	M. Power	749,579	Jan. 12	2106	439	108	493
Car. Convertible	H. S. Wilson	751,126	Feb. 2	635	145	108	1193
Car. Convertible	J. A. Brill	760,379	May 17	3557	749	110	834
Car. Convertible	H. E. Haddock	761,396	May 31	5433	1154	110	1274
Car. Convertible	W. H. Hovenden	770,464	Sept. 20	2512	533	112	601
Car. Convertible street-	W. A. McCarrell, Jr.	772,110	Oct. 11	1805	400	112	1362
Car-coupling	W. L. Jacoby	748,740	Jan. 5	348	77	108	77
Car-coupling	H. E. Welsh	748,574	Jan. 12	1413	303	108	136
Car-coupling	H. E. Welsh	749,846	Jan. 12	1413	303	108	343
Car-coupling	E. C. Washburn	749,344	Jan. 12	1624	345	108	391
Car-coupling	E. C. Washburn	749,345	Jan. 12	1627	346	108	392
Car-coupling	A. Moffitt	750,383	Jan. 26	3646	792	108	862
Car-coupling	W. Kelso	751,737	Feb. 9	1766	401	108	1451
Car-coupling	C. A. Olson	752,855	Feb. 23	3935	883	108	1966
Car-coupling	V. Simecek	754,352	Mar. 8	2210	493	109	499
Car-coupling	S. B. Price	754,387	Mar. 8	2333	510	109	526
Car-coupling	W. F. Richards	754,706	Mar. 15	3007	656	109	691
Car-coupling	G. E. Tomlinson	755,414	Mar. 22	4299	951	109	988
Car-coupling	J. Meehan	756,174	Mar. 29	5751	1270	109	1323
Car-coupling	A. L. McGregor	756,268	Apr. 5	149	31	109	1375
Car-coupling	W. H. Johnson, T. A. Savage, and A. L. Newell.	756,645	Apr. 5	850	184	109	1523
Car-coupling	J. S. Henson	753,855	Apr. 12	1278	284	109	1632
Car-coupling	C. A. Tower	757,366	Apr. 12	2304	503	109	1850
Car-coupling	A. A. Moss	758,268	Apr. 26	4103	888	109	2276
Car-coupling	A. E. Waggoner	759,351	May 10	1541	310	110	371
Car-coupling	I. G. Nutt	761,537	May 31	5862	1256	110	1372
Car-coupling	A. R. Heath	762,308	June 14	1340	287	110	1751
Car-coupling	R. F. Scannell and P. J. Dugan	764,308	July 5	795	162	111	175
Car-coupling	J. E. Wade	764,323	July 5	831	169	111	183
Car-coupling	W. Wright and J. Kelso	764,835	July 12	1931	396	111	439
Car-coupling	O. Hecathorn	765,178	July 19	2576	538	111	598
Car-coupling	W. Kelso. (Reissue)	12,244	July 19	3525	742	111	796
Car-coupling	E. H. Janney	766,042	July 26	4280	917	111	970
Car-coupling	W. Kelso	766,359	Aug. 2	438	93	111	1136
Car-coupling	J. Snyder and C. E. Lyter	766,738	Aug. 2	1225	260	111	1313
Car-coupling	G. A. Briegleb	766,805	Aug. 9	1407	294	111	1373
Car-coupling	D. Westcott	767,191	Aug. 9	2180	454	111	1542
Car-coupling	G. H. Schaffer	767,770	Aug. 16	3274	691	111	1804
Car-coupling	J. A. Hinson	768,365	Aug. 23	4545	955	111	2102
Car-coupling	J. R. Deisher	769,255	Sept. 6	2332	54	112	50
Car-coupling	O. H. Grupe	770,004	Sept. 13	1657	332	112	392
Car-coupling	G. Heinicke	771,244	Oct. 4	50	11, 12	112	972
Car-coupling	L. W. Jenkins	771,427	Oct. 4	424	95	112	1047
Car-coupling	C. U. Greeley	771,822	Oct. 11	1188	265	112	1228
Car-coupling	J. Slepicka	771,942	Oct. 11	1460	331	112	1283
Car-coupling	A. Matter	771,992	Oct. 11	1554	349	112	1305
Car-coupling	E. C. Washburn	772,445	Oct. 18	2495	546	112	1536
Car-coupling	S. Morris	773,153	Oct. 25	4053	860	112	1901
Car-coupling	W. Wright	773,447	Oct. 25	4071	987	112	2035
Car-coupling	L. Bottenstein	773,466	Oct. 25	4703	936	112	2040
Car-coupling	R. B. Adkins	773,843	Nov. 1	556	128	113	137
Car-coupling	C. Dietz	774,236	Nov. 8	1360	290	113	324
Car-coupling	R. Reardon	774,533	Nov. 8	1910	415	113	442
Car-coupling	C. F. Christy	775,598	Nov. 22	4202	885	113	1004
Car-coupling	W. F. Wendt	775,739	Nov. 22	4570	908	113	1082
Car-coupling	P. Hien	775,902	Nov. 22	4782	1013	113	1127
Car-coupling	G. P. Ritter	776,031	Nov. 29	5069	1070	113	1212
Car-coupling	O. S. Pulliam	776,203	Nov. 29	5383	1141	113	1283
Car-coupling	W. S. Kneidler	776,333	Nov. 29	5632	1192	113	1336
Car-coupling	A. Gomer	776,904	Dec. 6	885	191	113	1622
Car-coupling	C. A. McKerahan	776,929	Dec. 6	932	200	113	1632
Car-coupling	F. Keller and D. Bowers	777,057	Dec. 6	1196	260	113	1693
Car-coupling	W. S. Lee	777,520	Dec. 13	2064	455	113	1898
Car-coupling	F. Kaltenbach	778,042	Dec. 20	3141	691	113	2135
Car-coupling	C. C. Werthner	778,728	Dec. 27	4465	978	113	2440

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Car-coupling.....	J. McWatters.....	778,760	Dec. 27	4532	992	113	2456
Car-coupling attachment. Railway.....	W. Thornburgh.....	754,942	Mar. 15	3449	751 752 753 754	109	789
Car-coupling. Automatic.....	L. Bottenstein.....	758,408	Apr. 26	4385	943	109	2339
Car-coupling. Automatic.....	A. J. Beard.....	761,056	May 31	4966	1032	110	1775
Car-coupling. Automatic.....	A. B. Gardella.....	764,575	July 12	1995	284	111	321
Car-coupling. Auxiliary.....	J. J. Swint.....	771,105	Sept. 27	3784	798	112	901
Car-coupling auxiliary connection.....	W. N. Shephard.....	755,805	Mar. 29	5061	1124	109	1171
Car-coupling draft-rigging.....	E. S. Woods.....	767,338	Aug. 9	2478	518	111	1606
Car-coupling draft-rigging joint connection.....	U. S. Drayer.....	749,829	Jan. 19	2609	557	108	618
Car-coupling draw-bar attachment. Railway.....	A. J. Hinson.....	769,065	Aug. 30	6012	1259	111	2450
Car-coupling. Emergency.....	B. B. Carlisle and J. R. Elder.....	768,854	Aug. 30	5590	1174	111	2355
Car-coupling emergency-key. Automatic.....	J. T. Keating.....	748,927	Jan. 5	715	156	108	162
Car-coupling knuckle.....	D. W. Alderman.....	764,729	July 12	1713	350	111	390
Car-coupling machine.....	G. W. Bowling.....	760,946	May 24	4713	1004	110	1102
Car-coupling. Mine.....	M. G. Moore.....	753,234	May 10	1348	134	110	387
Car-coupling safety attachment.....	E. R. Trammell.....	775,816	Mar. 29	5079	1127	109	1174
Car coupling stirrup and centering device. Rail- way.....	W. B. Cory.....	756,622	Mar. 29	4689	1043	109	1087
Car curtain.....	C. K. Pickles.....	774,949	Nov. 15	2772	594	113	654
Car curtain attachment. Railway.....	C. K. Pickles.....	774,932	Nov. 15	2775	594	113	655
Car curtain-rod.....	C. K. Pickles.....	774,951	Nov. 15	2774	594	113	654
Car. Derrick.....	M. Schmaltz.....	757,235	Apr. 12	2033	443	109	1793
Car-diaphragm.....	G. S. Wood.....	777,234	Dec. 13	1515	336	113	1779
Car discharge-valve. Automatic.....	W. A. and B. S. H. Harris.....	767,272	Aug. 9	2325	487	111	1574
Car discharging device. Dump.....	J. W. Seaver and G. H. Hulett.....	754,899	Mar. 15	3357	733 734	109	767
Car-dog for cable mine-hauls. Automatic.....	C. W. Damron.....	772,555	Oct. 18	2718	597	112	1583
Car-door.....	A. G. Abizaid.....	748,909	Jan. 5	676	149	108	152
Car-door.....	M. W. Nelson.....	751,365	Feb. 9	2154	483	108	1537
Car-door.....	G. W. Kellogg.....	753,496	Mar. 1	516	119 120	109	113
Car-door.....	T. W. Saling and J. McKiel.....	755,049	Mar. 22	3639	796	109	845
Car-door.....	D. G. Brinser.....	755,443	Mar. 22	4350	964	109	998
Car-door.....	F. A. Delano.....	759,970	May 17	2782	582	110	660
Car-door.....	R. Mobley.....	760,902	May 24	4627	985	110	1083
Car-door.....	C. M. Shephard.....	766,737	Aug. 2	1224	260	111	1313
Car-door.....	H. D. Smart.....	770,829	Sept. 27	3248	685	112	782
Car-door fastener.....	E. A. Gauchet.....	751,495	Feb. 9	1311	300	108	1836
Car-door fastener.....	C. W. Booth.....	768,981	June 21	2708	588	110	2065
Car-door fastener.....	F. C. Wands.....	777,456	Dec. 13	1937	428	113	1872
Car-door fastener.....	J. J. Lerch.....	777,738	Dec. 20	2497	551	113	2007
Car door. Freight.....	E. T. Hanson.....	767,404	Aug. 16	2573	542 543	111	1646
Car door. Freight.....	A. L. Champlon.....	768,513	Aug. 23	4961	1019	111	2176
Car door. Freight.....	J. R. Herndon.....	768,799	Aug. 30	5462	1150	111	2327
Car door. Grain.....	M. Meehan.....	748,630	Jan. 5	151	36	108	34
Car door. Grain.....	E. E. Kenfield.....	750,111	Jan. 19	3144	676	108	732
Car door. Grain.....	J. Barry.....	750,149	Jan. 19	3212	691	108	746
Car door. Grain.....	S. A. Burney.....	750,451	Jan. 26	3729	810	108	768
Car door. Grain.....	J. G. Sanborn.....	753,511	Mar. 1	1190	298	109	256
Car door. Grain.....	J. G. King.....	756,654	Apr. 5	873	190	109	1528
Car door. Grain.....	W. L. Carson.....	758,414	Apr. 26	4414	948	109	2345
Car door. Grain.....	W. A. McGuire.....	763,622	June 28	3052	860	110	2358
Car door. Grain.....	W. L. Shiess.....	768,346	Aug. 23	4507	948	111	2494
Car door. Grain.....	E. Huber and D. L. Foster.....	769,609	Sept. 6	896	194	112	908
Car-door hanging and operating device.....	P. J. McCullough.....	776,928	Dec. 6	927	200	113	1631
Car-door latch. Mine.....	C. H. Smith.....	752,265	Feb. 16	2788	618	108	1699
Car-door lock.....	E. H. Roy.....	776,089	Nov. 29	5174	1093	113	1234
Car-door lock. Vestibule.....	A. W. Zimmerman.....	775,617	Nov. 22	4242	894	113	1013
Car door mechanism.....	J. F. Streib.....	758,392	Apr. 26	4355	935 936	109	2331
Car door mechanism.....	C. A. Lindström.....	758,456	Apr. 26	4485	964	109	2361
Car door mechanism.....	C. A. Lindström and F. Ditchfield.....	774,588	Nov. 8	2018	440	113	464
Car-door opening and closing mechanism.....	J. R. Carney.....	769,687	Sept. 13	1629	226	112	257
Car-door operating and fastening device.....	R. J. Scales.....	766,393	Aug. 2	501	107	111	115
Car-door operating and locking device.....	F. H. Howe.....	766,233	Aug. 2	430	45	111	1091
Car door-operating device. Hopper.....	A. Stucki.....	732,310	Feb. 16	2876	640 641	108	1717
Car door-operating gear. Coal or coke.....	W. F. Kiesel, Jr. (Reissue).....	12,279	Oct. 25	4884	1030 1031	112	2081
Car-door retainer.....	J. F. Lane.....	772,464	Oct. 18	2543	559	112	1547
Car-door. Sliding.....	A. W. Sullivan and W. Renshaw.....	764,691	July 12	1636	334	111	374
Car doors. Detachable hood for freight.....	A. W. Sullivan and W. Renshaw.....	777,819	Dec. 20	3677	589	113	2043
Car doors. Locking-latch for coal.....	O. T. Correll.....	764,215	July 5	631	128	111	140
Car doors. Mechanism for operating dump.....	S. Otis.....	767,312	Aug. 9	2391	500	111	1588
Car draft and buffing rigging. Railway.....	R. D. Gallagher, Jr.....	761,153	May 31	5164	1096 1097	110	1218
Car draft appliance. Railway.....	W. H. Miner.....	775,278	Nov. 15	3494	737	113	828
Car draft connection. Railway.....	C. S. Payne.....	749,447	Jan. 12	1859	387	108	437
Car draft-coupling.....	E. C. Washburn.....	756,918	Apr. 12	1401	311 312	109	1657
Car draft-gear. Railway.....	W. F. Richards.....	760,757	May 24	4341	921 922	110	1023
Car draft-gear. Railway.....	D. C. Ross.....	766,772	Aug. 2	1305	276	111	1331
Car draft-gear. Railway.....	H. M. Pfleger.....	772,370	Oct. 18	2351	516	112	1504
Car draft-rigging.....	E. C. Washburn.....	753,454	Mar. 1	436	102 103	109	95
Car draft-rigging.....	A. C. McCord.....	763,998	July 5	149	25,26	111	38

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Car draft-rigging	M. S. Lucak	768,611	Aug. 30	5093	1070	111	2245
Car draft-rigging	O. S. Pulliam	776,801	Nov. 29	5384	1140	113	1285
Car draft-rigging carrier	O. S. Pulliam	775,357	Nov. 29	5499	1164	113	1309
Car draft-rigging. Continuous	A. Johnson	775,977	Nov. 29	4966	1048	113	1187
Car draft-rigging. Railway	J. A. Hinson	751,983	Feb. 9	2274	509	108	1562
Car draft-rigging. Railway	W. T. Van Dorn	752,315	Feb. 16	2388	644	108	1720
Car draft-rigging. Railway	W. H. Miner	758,144	Apr. 26	3862	838	109	2225
Car draft-rigging. Railway	W. H. Miner	775,606	Nov. 22	4215	887	113	1007
Car draft-rigging spring mechanism	J. H. Graham	775,216	Nov. 15	3344	713	113	786
Car draw-gear	G. L. Harvey	773,737	Nov. 1	386	85, 86	113	91
Car driving mechanism. Motor-	H. J. Fisher	758,634	May 3	57	11, 12	110	17
Car drop-door and operating mechanism	D. C. Courtney	763,365	June 21	3263	704	110	2188
Car. Dump	O. W. Meissner	758,506	Mar. 1	531	124	109	117
Car. Dump	J. Shelton	754,351	Mar. 8	2208	492	109	499
Car. Dump	O. W. Meissner	754,475	Mar. 15	2549	554	109	593
Car. Dump	V. M. Summa	755,412	Mar. 22	4293	850	109	987
Car. Dump	J. C. Depew	757,379	Apr. 12	2113	461	109	1809
Car. Dump	A. King	757,753	Apr. 19	3096	674	109	2036
Car. Dump	H. S. Hart and O. W. Meissner	761,674	June 7	104	675	110	1461
Car. Dump	H. S. Hart and O. W. Meissner	764,355	July 5	906	184	111	199
Car. Dump	A. Ellis	764,568	July 12	1381	282	111	318
Car. Dump	S. Otis	767,657	Aug. 16	3080	644	111	1760
Car. Dump	O. W. Meissner	768,535	Aug. 23	4901	1027	112	2185
Car. Dump	F. K. Hoover and A. J. Mason	772,041	Oct. 1	1662	112	112	1389
Car. Dump	E. Moran	766,110	July 26	4420	946	111	1000
Car. Dumping	A. Stucki	751,437	Feb. 2	1211	276	108	1315
Car. Dumping	K. P. Aström	753,207	Mar. 23	3912	864	109	934
Car. Dumping	A. D. Harrison	738,135	Apr. 26	3848	109	109	2221
Car. Dumping	W. Giesecke	761,161	May 31	5170	1098	110	1219
Car. Dumping	M. Boyle	764,417	July 5	1038	211	111	230
Car. Dumping	V. Kouns	764,476	July 5	1157	212	111	235
Car. Dumping	A. F. Bernard	768,024	Aug. 23	3838	803	111	1943
Car. Dumping	S. F. Swanson	771,684	Oct. 4	912	206	112	1154
Car. Dumping	S. F. Swanson	771,685	Oct. 4	914	206	112	1154
Car. Dumping	S. F. Swanson	774,614	Nov. 8	2057	149	113	473
Car. Dumping	J. D. Hampton	777,020	Dec. 6	1122	244	113	1676
Car-dumping apparatus	H. H. Bighouse	776,009	Nov. 29	5027	1060	113	1202
Car. Dumping coke	F. S. Ingoldsby and J. R. Bowling	777,472	Dec. 13	1970	436	113	1878
Car dumping mechanism. Metallic	A. Becker	763,841	June 28	4402	357	110	2154
Car dumping mechanism. Metallic	A. Becker	768,722	Aug. 30	5322	1121	111	2206
Car elevator. Dump	E. O. Fehr	771,899	Oct. 1	1360	309	112	1264
Car emergency-brake. Street	P. Flood	758,131	Apr. 26	3842	834	109	2220
Car end-gate-opening device. Mine	S. W. Ault and P. K. Reed	772,368	Oct. 11	2137	467	112	1436
Car end stake	C. A. Lindström	774,589	Nov. 8	3019	441	113	465
Car engines. Apparatus for controlling the speed of motor-	A. Krebs	757,815	Apr. 19	3217	698	109	2063
Car extension-step. Railway	E. Sirois	772,839	Oct. 18	3264	712	112	1702
Car-fender	E. Sprich	750,719	Jan. 26	4309	931	108	1002
Car-fender	G. and P. Linhard	755,509	Mar. 22	4458	990	109	1020
Car-fender	A. E. McLean	755,788	Mar. 29	5032	1118	109	1163
Car-fender	J. T. Heron and J. J. Crowley	755,872	Mar. 29	5199	1150	109	1304
Car-fender	F. A. Schaaf	756,060	Mar. 29	5446	1225	109	1280
Car-fender	F. A. Roberts	756,411	Apr. 5	446	92	109	1438
Car-fender	H. Howe	757,746	Apr. 19	3084	672	109	2034
Car-fender	E. Sherwood	757,845	Apr. 19	3271	708	109	2074
Car-fender	F. R. Keith	759,446	May 10	1765	357	110	419
Car-fender	P. B. Sullivan and G. F. Taylor	760,663	May 24	4138	880	110	980
Car-fender	J. C. Cooper	760,781	May 24	4369	933	110	1034
Car-fender	J. Derx	760,969	May 24	4756	1012	110	1111
Car-fender	L. M. Snyder	761,421	May 31	5672	1207	110	1380
Car-fender	O. Thibault	761,557	May 31	5903	1265	110	1381
Car-fender	R. G. J. Sandifer	761,612	May 31	5997	1288	110	1403
Car-fender	A. Robinson	764,255	July 5	696	141	111	154
Car-fender	P. Todd	764,317	July 5	808	165	111	178
Car-fender	W. H. Reece	765,041	July 12	2315	481	111	321
Car-fender	F. E. Catou	765,813	July 26	3854	821	111	878
Car-fender	H. Gaudet	766,428	Aug. 2	563	119	111	1163
Car-fender	W. H. Howe	766,999	Aug. 9	1788	375	111	1458
Car-fender	W. E. Zachry	767,538	Aug. 16	2853	596	111	1710
Car-fender	G. H. Fraser and J. N. Weikly	768,040	Aug. 23	3869	810	111	1950
Car-fender	L. M. Maxham	768,134	Aug. 23	4108	864	111	2006
Car-fender	S. S. Hawley	768,176	Aug. 23	4180	879	111	2022
Car. &c. fender	W. L. Green	768,277	Aug. 23	4380	920	111	2067
Car-fender	F. R. Keith	771,476	Oct. 4	499	112	112	1065
Car-fender	J. Happel	771,545	Oct. 4	653	145	112	1098
Car-fender	J. McGuire	771,922	Oct. 11	1411	320	112	1274
Car-fender	W. T. Watson	772,851	Oct. 18	3285	717	112	1706
Car-fender	H. M. Adams	773,619	Nov. 1	157	36	113	41
Car-fender	C. Goehring	774,983	Nov. 15	2849	608	113	674
Car-fender	P. Best	775,287	Nov. 15	3514	740	113	362
Car-fender	J. McGuire	775,987	Nov. 29	4833	1028	113	1161
Car-fender	W. H. Sievers	776,869	Dec. 6	824	177	113	1608
Car-fender	E. Sherwood	777,152	Dec. 13	1365	301	113	1746

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Car-fender. Retractable.....	A. D. Pidgeon.....	774,396	Nov. 8	1649	354	113	387
Car-fender. Street.....	J. Derx.....	765,067	July 12	2383	495	111	535
Car-fender. Street.....	E. H. Schulze.....	766,906	Aug. 9	1609	338	111	1417
Car-fender. Street.....	F. J. Fairchild.....	772,965	Oct. 25	3325	764	112	1778
Car-fender. Street.....	J. M. Wideman.....	773,932	Nov. 1	808	170	113	186
Car-fender. Street.....	G. L. Stuebner.....	775,358	Nov. 22	3678	781	113	889
Car. Flexible-wheel-base.....	G. L. Stuebner.....	763,807	June 28	4344	943	110	2441
Car for single-rail elevated railways	F. B. Behr.....	775,743	Nov. 22	4485	950	113	1064
Car-frame.....	C. A. Lindström and J. F. Streib.....	760,290	Jan. 26	3473	751	108	823
Car-frame.....	G. M. Brill and W. H. Heulings, Jr.....	755,350	Mar. 22	4182	924	109	962
Car frame and bolster. Railway.....	J. J. Hennessey.....	778,364	Dec. 27	3787	827	113	2292
Car frame and making it. Tank.....	E. I. Dodds.....	770,713	Sept. 20	3000	639	112	709
Car-frame. Metallic.....	A. Stucki.....	761,263	May 31	5366	1140	110	1261
Car frame. Railway.....	G. Gibbs.....	756,353	Apr. 5	325	67	109	1413
Car frame. Railway.....	W. F. Kiesel, Jr.....	778,676	Dec. 27	4379	927	113	2421
Car. Freight.....	H. S. Hart.....	759,275	May 10	1433	286	110	348
Car. Freight.....	O. M. Jones.....	759,285	May 10	1452	289	110	353
Car. Freight.....	S. J. Cottman.....	773,126	Oct. 25	3986	844	112	1855
Car friction and direct-acting spring draft-rigging combined.	F. B. Townsend.....	757,579	Apr. 19	2757	602	109	1963
Car friction draft-gear. Railway.....	T. L. McKeen.....	754,593	Mar. 15	2771	604	109	638
Car friction draft-gear. Railway.....	T. L. McKeen.....	754,594	Mar. 15	2773	604	109	639
Car friction draft-gear. Railway.....	P. N. Moore.....	754,674	Mar. 15	2926	639	109	671
Car friction draft-gear. Railway.....	P. N. Moore.....	754,692	Mar. 15	3412	746	109	780
Car friction draft-rigging. Railway.....	W. H. Miner.....	754,670	Mar. 15	2918	637	109	669
Car friction draft-rigging. Railway.....	P. N. Moore.....	754,675	Mar. 15	2929	639	109	672
Car friction draft-rigging. Railway.....	F. B. Townsend.....	760,834	May 24	4482	954	110	1053
Car friction-gear. Motor.....	W. Seck.....	758,113	Apr. 25	3807	827	109	2211
Car friction spring draft-gear. Railway.....	P. N. Moore.....	754,677	Mar. 15	2935	641	109	673
Car friction spring draft-rigging. Railway.....	P. N. Moore.....	754,678	Mar. 15	2937	641	109	674
Car friction spring draft-rigging. Railway.....	P. N. Moore.....	754,679	Mar. 15	2939	641	109	674
Car gallow-frame. Hand.....	J. Donovan.....	770,798	Sept. 27	3170	671	112	763
Car-gate. Automatic.....	W. N. Hackett.....	760,596	May 24	3871	821	110	923
Car. Gondola.....	G. I. King.....	751,290	Feb. 2	990	224	108	1267
Car. Gondola.....	G. I. King.....	766,701	Aug. 2	1155	240	111	1297
Car. Grain.....	M. Brosnan.....	766,871	Aug. 9	1535	322	111	1401
Car grain-door.....	M. W. Nelson.....	751,992	Feb. 9	2291	512	108	1566
Car grain-door.....	J. B. MacLaughlin.....	755,511	Mar. 22	4461	991	109	1020
Car grain-door.....	W. H. Mauppin and H. C. Keller.....	774,536	Nov. 8	1808	412	113	440
Car grain-door. Freight.....	J. H. Kennedy.....	773,250	Dec. 27	3848	777	113	2340
Car grain-door. Freight.....	J. Riley.....	753,162	Feb. 23	4540	1012	108	2102
Car grain-door. Railway.....	D. B. Arnold.....	760,369	May 17	3534	744	110	829
Car guard-rail. Street.....	J. J. Collins.....	763,723	June 28	4169	745	110	2405
Car hand-strap.....	J. S. Paxton.....	766,378	Aug. 2	466	100	111	1143
Car-handling apparatus.....	L. L. Logan.....	753,719	Mar. 1	970	220	109	209
Car-haul.....	F. V. Hetzel.....	761,484	May 31	5769	1232	110	1352
Car-haul.....	L. J. Robb.....	777,747	Dec. 20	2511	554	113	2010
Car-haul safety device.....	W. J. Patterson and A. M. Acklin.....	768,191	Aug. 23	4208	885	111	2028
Car-haul speed-controller.....	L. J. Robb and F. W. Harris.....	764,633	July 12	1321	310	111	349
Car-haulage system.....	H. S. Moore.....	771,788	Oct. 4	1121	250	112	1199
Car-heating apparatus.....	E. H. Gold.....	771,777	Oct. 4	1089	244	112	1192
Car-heating system.....	E. H. Gold. (Reissue).....	12,224	May 24	4961	1051	110	1155
Car-heating system attachment.....	E. H. Gold.....	768,020	Aug. 16	3830	801	111	1923
Car-heating systems. Train-pipe terminal for.....	J. F. McElroy.....	758,269	Apr. 26	4108	888	109	2277
Car. Hopper.....	G. E. Russell and J. M. Ames.....	763,696	June 28	4115	897	110	2393
Car. Hopper.....	G. I. King.....	772,518	Oct. 18	2650	581	112	1569
Car. Hopper-bottom.....	J. M. Ames, J. P. Lyon, and G. E. Russell.....	753,653	Mar. 1	831	157	109	181
Car. Hopper-bottom.....	H. W. Wolf and A. Lipschutz.....	763,706	June 28	4135	901	110	2397
Car hopper. Dump.....	J. C. Dewey.....	757,378	Apr. 12	2109	460	109	1808
Car indicating or recording mechanism. Street.....	V. Antony.....	777,054	Dec. 6	1191	210	113	1693
Car indicator. Automatic street.....	F. H. Wehrmann.....	762,670	June 14	2080	451	110	1909
Car indicator. Street.....	P. J. Mann.....	767,074	Aug. 9	1984	404	111	1491
Car indicator. Tank.....	A. D. Whittemore.....	770,548	Sept. 20	3293	570	112	641
Car interchangeable draw-gear. Railway.....	F. L. Clark.....	749,361	Jan. 12	1660	353	108	899
Car life-saving attachment. Motor.....	B. Lev.....	778,198	Dec. 20	3436	756	113	2197
Car-loader.....	H. S. Stronach and D. W. Ross.....	751,359	Feb. 2	1087	246	108	1289
Car loading and unloading attachment. Railway.....	F. D. Buffum.....	776,825	Dec. 6	728	161	113	1586
Car-loading apparatus.....	O. T. Kemp.....	760,313	Sept. 6	361	82	112	78
Car-loading apparatus. Grain.....	E. R. Abbey.....	758,493	Apr. 25	4557	979	109	2378
Car-loading machine. Mine.....	E. L. and A. C. Adams.....	769,126	Aug. 30	6132	1282	111	2476
Car-loading mechanism.....	G. F. Myers.....	761,695	June 7	147	27	110	1471
Car loading or unloading apparatus.....	F. R. Willson, Jr.....	760,597	May 24	3984	847	110	947
Car lock and seal.....	J. M. Posey.....	770,652	Sept. 20	2880	613	112	683
Car lock and sealing device. Combined.....	J. Scott.....	753,006	Feb. 23	4258	949	108	2040
Car lock and sealing device. Combined.....	W. H. Deaver, C. B. and J. H. Thompson, C. Kreitzer, and R. W. Deaver.....	759,079	May 3	977	198	110	232
Car-lubricating apparatus.....	W. J. Raum.....	763,693	June 28	4110	895	110	2391
Car-lubricating side bearing.....	G. Galloway.....	767,745	Aug. 16	3227	680	111	1793

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. 55	Vol.	Page.
Car. Mail and express.....	W. B. Young.....	767,129	Aug. 9	2054	436	111	1516
Car. Metallic.....	A. Stucki.....	752,311	Feb. 16	2879	437	108	1718
Car. Metallic.....	J. M. Hansen.....	761,166	May 31	5178	642	110	1221
Car. Metallic flush-floor dump.....	A. Becker.....	763,947	June 28	4598	1005	110	2406
Car. Metallic passenger.....	G. I. King.....	771,428	Oct. 4	425	95	112	1047
Car. Metallic railway.....	A. Stucki.....	752,309	Feb. 16	2874	639	108	1716
Car. Metallic street.....	F. H. Rapley.....	778,706	Dec. 27	4423	968	113	2432
Car metallic underframe. Railway.....	A. Stucki.....	752,478	Feb. 16	3189	711	108	1784
Car. Mine.....	W. E. Hamilton.....	770,498	Sept. 20	2594	550	112	620
Car. Mine.....	F. C. Hockensmith.....	775,007	Nov. 15	2880	581	113	683
Car. Mine.....	J. B. Bell.....	778,097	Dec. 20	3242	712	113	2156
Car. Mine or pit.....	J. H. Allen.....	755,342	Mar. 22	4169	921	109	959
Car. Miner's.....	W. J. Neilson.....	775,778	Nov. 22	4548	965	113	1079
Car. Mining.....	A. Stucki.....	761,264	May 31	5369	1141	110	1261
Car. Motor.....	W. G. Wilson.....	757,533	Apr. 19	2651	802	110	931
Car. Motor.....	A. Palmros.....	760,556	May 24	3014	882	110	931
Car-mover.....	R. F. and J. E. Hageman.....	762,901	June 21	2564	557	110	2033
Car. Mule or pusher.....	E. Esselius.....	774,166	Nov. 8	1238	264	113	297
Car. Observation passenger.....	H. Romänder.....	775,938	Nov. 29	4854	1028	113	1161
Car operating mechanism. Dumping.....	S. J. Johnson.....	755,671	Mar. 29	4772	1062	109	1105
Car operating mechanism. Dumping.....	S. J. Johnson.....	763,185	June 21	3112	670	110	2155
Car operating mechanism. Dumping.....	S. J. Johnson.....	763,186	June 21	3117	670	110	2157
Car or barn door.....	G. B. Murray.....	750,679	Jan. 26	4302	911	108	978
Car or engine replacer.....	F. J. Fewings.....	757,608	Apr. 19	2804	903	109	1973
Car or lorry. Stock-collecting.....	A. J. Boynton.....	768,248	Aug. 23	4323	910	111	2054
Car or wagon coupling and locker. Automatic railway.....	W. Skerman.....	764,503	July 5	1231	251	111	867
Car or wagon undercarriage. Tram or railway.....	P. Herbert.....	766,348	Aug. 2	419	88	111	1132
Car. Ore.....	C. Cecchini.....	757,860	Apr. 19	3295	714	109	2080
Car panel. Convertible.....	J. A. Brill.....	759,661	May 10	2189	450	110	512
Car part.....	E. I. Dodds.....	776,175	Nov. 29	5341	1128	113	1273
Car part and making same.....	E. I. Dodds.....	777,944	Dec. 20	2956	649	113	2098
Car. Passenger.....	F. H. Rapley.....	756,707	Apr. 5	973	215	109	1552
Car. Passenger.....	J. O'Leary.....	772,741	Oct. 18	3097	675	112	1665
Car. Passenger.....	H. Romänder.....	776,552	Dec. 6	168	38, 39	113	1463
Car. Passenger.....	H. Romänder.....	777,810	Dec. 20	2659	585	113	2039
Car pipe-coupling. Railway.....	E. Witzemann.....	755,204	Mar. 22	3907	863	109	903
Car. Pit.....	P. Hamill.....	760,196	May 17	3239	679	110	769
Car-platform.....	N. Paulson.....	754,688	Jan. 15	2956	645	109	678
Car-platform-operating device.....	J. J. Cottingham.....	773,092	Oct. 25	3501	778	112	1732
Car. Pleasure.....	J. D. Walsh.....	773,613	Nov. 1	148	33	113	38
Car plow. Electric.....	W. E. Taylor, Jr.....	746,810	Jan. 5	478	107	108	108
Car. Poultry.....	W. H. Judson and J. B. Watson.....	777,732	Dec. 20	2484	548	113	2004
Car-puller. Locomotive.....	W. E. Hamilton.....	765,833	July 26	3882	829	111	886
Car. Railway.....	C. Vanderbilt.....	748,895	Jan. 5	653	145	108	146
Car. Railway.....	C. Vanderbilt.....	753,938	Mar. 8	1452	326	109	335
Car. Railway.....	C. E. Stewart.....	757,427	Apr. 12	2430	529	109	876
Car. Railway.....	J. H. Bruce.....	760,847	May 24	4520	963	110	1061
Car. Railway.....	W. Wellman.....	761,737	June 7	228	44	110	1488
Car. Railway.....	J. Dew.....	763,968	July 5	57	9, 10	111	18
Car. Railway.....	C. S. Sergeant and J. Lindall.....	764,902	July 12	2071	428	111	469
Car. Railway.....	S. F. Swanson.....	767,253	Aug. 9	2289	479	111	1566
Car. Railway.....	F. S. Ingoldsby.....	767,693	Aug. 16	3146	657	111	1774
Car. Railway.....	J. W. Van Dyke.....	768,888	Aug. 30	5057	1189	111	2270
Car. Railway.....	C. Fleischman.....	768,896	Aug. 30	5072	1192	111	2374
Car. Railway.....	I. W. Phelps.....	770,698	Sept. 20	2973	633	112	704
Car. Railway.....	O. W. Meissner.....	772,572	Oct. 18	2755	607	112	1592
Car. Railway.....	H. J. Bayard.....	772,909	Oct. 18	3412	740	112	1735
Car. Railway.....	H. J. Bayard.....	773,273	Oct. 25	4308	911	112	1957
Car. Railway.....	J. H. Bruce.....	773,470	Oct. 25	4714	995	112	3042
Car. Railway.....	M. A. Garrett.....	774,354	Nov. 8	1581	338	113	872
Car. Railway.....	C. H. Howard.....	774,474	Nov. 8	1797	388	113	418
Car. Railway.....	C. Vanderbilt.....	775,952	Nov. 29	4905	1036	113	1172
Car. Railway.....	F. S. Ingoldsby and J. R. Bowling.....	777,473	Dec. 13	1974	437	113	1880
Car. Railway.....	H. J. Bayard.....	778,631	Dec. 27	4675	1022	113	2488
Car. Railway freight.....	J. G. Stoller, R. L. Miller, and W. Y. Bean.....	764,390	July 5	992	201	111	220
Car. Railway passenger.....	J. O'Leary.....	772,740	Oct. 18	3090	673	112	1663
Car. Railway scoop.....	L. E. Johnson.....	762,314	June 14	1353	291	110	1754
Car-raiser.....	R. W. Davidson.....	751,978	Feb. 9	2265	507	108	1561
Car-register. Automatic.....	H. S. Butler.....	755,592	Mar. 22	4607	1024	109	1055
Car-register. Automatic.....	C. L. S. and E. C. Walker.....	760,284	May 17	3394	715	110	738
Car-register operating mechanism.....	W. I. Ohmer.....	769,398	Sept. 6	514	113	112	116
Car-replacer.....	E. W. Rosenberg.....	750,896	Feb. 2	822	50	108	1107
Car-replacer.....	E. Best.....	754,915	Mar. 15	3383	740	109	773
Car-replacer.....	H. Q. Hall.....	757,299	Apr. 12	2160	474	109	1820

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Car-replacer	C. A. Fischer	757,902	Apr. 19	3377	780	109	2098
Car-replacer	L. B. Gump	752,722	May 10	3232	780	110	525
Car-replacer	W. H. Pritchard	760,546	May 17	3328	700	110	733
Car-replacer	P. C. Lockwood	762,176	June 7	1065	225	110	1670
Car-replacer	W. E. Burroughs and S. H. Ellis	765,333	July 19	2871	600	111	638
Car-replacer	H. H. Rippe	772,432	Oct. 18	2472	542	112	1531
Car-replacer	W. F. Brittain	774,153	Nov. 8	1212	259	113	397
Car-replacer	H. J. Campbell	775,441	Nov. 22	3851	814	113	927
Car-replacer	D. B. Ketts	775,705	Nov. 22	4415	932	113	1049
Car-replacer	J. W. Pettie	775,987	Nov. 29	4983	1052	113	1190
Car-replacing device	P. G. Jones	778,541	Dec. 27	4119	308	113	2365
Car rocker side bearing. Railway-	F. B. Townsend	766,745	Aug. 2	1237	202	111	1816
Car-roof	S. Hatashita	770,577	Sept. 20	2730	580	112	632
Car-roof	J. J. McCarthy	773,667	Nov. 1	254	57	113	61
Car-roof. Metallic railway-	J. J. Souder	763,498	June 28	9643	784	110	2293
Car-roofs. Means for attaching flexible roofing material to	C. S. Bird and P. R. Allen	761,138	May 31	5117	1086	110	1207
Car running-board. Railway-	M. S. Nolan	760,016	May 24	4654	991	110	1090
Car safety apparatus. Railway-	S. H. Short	761,417	May 31	5662	1205	110	1328
Car safety attachment.	B. Lev	761,687	June 7	132	23	110	1468
Car safety-guard. Electrical-	C. A. Willard	753,341	Mar. 1	235	51, 52	109	51
Car-sander	B. B. Jenkins	759,377	May 10	1641	333	110	391
Car. Scenic-railway	V. Rosenberger	769,490	Sept. 6	690	131	112	160
Car-seat.	H. Witte	748,908	Jan. 5	666	148	108	149
Car-seat.	R. Repsdorph and W. H. Burton	749,097	Jan. 5	1101	232	108	253
Car-seat	C. W. H. Frederick	751,277	Feb. 2	945	233	108	1258
Car-seat	E. Chamberlin	753,545	Mar. 1	632	143	109	138
Car-seat	D. Rait, Jr.	761,785	June 7	344	69	110	1516
Car-seat	J. O'Leary	772,742	Oct. 18	3098	675	112	1665
Car-seat	S. M. Curwen	774,988	Nov. 15	2757	591	113	651
Car-seat	F. K. Fassett	775,528	Nov. 22	4022	549	113	965
Car-seat	E. G. Budd	778,219	Dec. 27	3468	764	113	2223
Car-seat cushion	E. G. Budd	778,217	Dec. 27	3465	763	113	2222
Car-seat cushion	E. G. Budd	778,218	Dec. 27	3467	763	113	2223
Car-seat. Emergency	M. H. Murch, Jr.	757,334	Apr. 12	2247	109	109	1837
Car-seat. Reversible	P. G. Leistner	751,312	Feb. 2	1013	230	108	1273
Car. Semicconvertible	A. J. Brill	771,529	Oct. 4	622	139	112	1091
Car-shock-reducing mechanism	W. C. Andrews	751,368	Feb. 2	1105	250	108	1292
Car. Side and center dump coke-	J. M. Hansen	752,289	Feb. 16	2933	628	108	1708
Car side bearing	J. E. Norwood	759,304	May 10	1486	298	110	360
Car side bearing. Railway-	C. F. Huntoon. (Reissue)	12,193	Jan. 12	2372	501	108	549
Car side bearing. Street-	J. E. Norwood	766,113	July 26	4436	948	111	1002
Car side bearing. Universal street-	J. E. Norwood	760,481	Jan. 26	3236	831	108	902
Car sign. Changeable street-	W. I. Larzelere	765,988	July 5	117	19	111	33
Car sign. Street-railway-	H. Witte	762,108	June 7	947	196	110	1642
Car sign. Trolley-	P. McDonald	777,482	Dec. 13	1995	441	113	1884
Car sign-turning device. Electric-	J. M. Smith	770,125	Sept. 13	1859	395	112	436
Car signal	G. H. Lane	753,681	Feb. 16	2436	545	108	1618
Car-signal. Street-	J. H. Howard	776,843	Dec. 6	772	168	113	1596
Car-sill	A. B. Bellows	762,796	June 14	2342	510	110	1965
Car-sill	A. B. Bellows	762,858	June 14	2480	537	110	1894
Car. Sleeping-	P. Synnestvedt	767,507	Aug. 16	2793	584	111	1656
Car-stake	A. H. Speir	753,643	Mar. 1	806	180	109	178
Car-stake	J. E. Puckett	756,705	Apr. 5	970	213	109	1551
Car-stake	J. Lewis	762,423	June 14	1568	344	110	1799
Car-stanchion	A. A. McIntosh	770,096	Sept. 13	1803	380	112	424
Car-stake cap	F. J. Buzbee	760,418	May 24	3636	769	110	867
Car-starter	D. France	750,558	Feb. 2	336	80	108	1132
Car-starter	H. J. Woolcott	762,015	June 7	784	160	110	1609
Car-starter	J. S. Linderman	768,469	Aug. 23	4774	1000	111	2159
Car steam-heating system. Railway-	N. Nilson	749,970	Jan. 19	2872	614	108	675
Car. Steel	P. Wagner	754,725	Mar. 15	3038	663	109	698
Car. Steel-frame box-	C. A. Lindström and A. Stucki	755,022	Mar. 22	3585	787	109	835
Car. Steel side-dump	W. Q. Olden	770,306	Sept. 20	2242	468	112	541
Car steering-gear. Motor-	W. J. Iden	754,068	Mar. 8	1686	375	109	388
Car-step	J. W. Buchanan	764,420	July 5	1041	212	111	231
Car-step	E. J. Douglas	769,538	Sept. 6	786	169	112	178
Car-step. Automatic	J. L. Hines	774,467	July 5	1141	232	111	252
Car-step. Extension	J. A. Halbrook	778,190	Dec. 20	3425	783	113	2195
Car-step. Folding	J. A. Kratz	775,366	Nov. 22	3690	784	113	891
Car-step folding extension	C. K. Turley	760,663	May 24	4140	880	110	980
Car-step. Movable	F. Keilwerth	750,981	Feb. 2	371	90	108	1140
Car-step or footboard	A. Christensen	764,914	July 12	2094	433	111	475
Car-step-register. Street-	L. Wampler	760,166	May 17	3189	668	110	752
Car-step. Supplemental	E. Howe	760,990	May 24	4792	1019	110	1119
Car. Stock	A. Stucki	751,436	Feb. 2	1210	276	108	1514
Car. Stock	J. L. Rouze	737,349	Apr. 12	2273	497	109	1843
Car. Stock	E. B. Gilleland	773,565	Oct. 18	2732	600	112	1587
Car. Stock	A. Stucki	772,974	Oct. 25	3547	768	112	1738
Car. Stock	W. F. Ellis	777,614	Dec. 13	2270	499	113	1941
Car. Stock	W. J. Schumacher	778,558	Dec. 27	4145	903	113	2370

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Car-stop.....	H. Wirsching.....	752,875	Feb. 23	3973	890	108	1976
Car-stopper.....	R. R. Williams.....	769,926	Sept. 13	1504	322	112	357
Car. Street.....	C. K. Pickles.....	755,314	Mar. 22	4110	907	109	945
Car. Street.....	C. B. Price.....	770,107	Sept. 13	1822	385	112	428
Car striking plate and carrier-iron support.....	C. A. Lindström.....	771,164	Sept. 27	3909	825	112	927
Car structural beam. Railway.....	A. W. Sullivan and W. Renshaw.....	753,934	Mar. 8	1448	325	109	334
Car structure.....	A. B. Bellows.....	762,676	June 14	2089	454	110	1911
Car. Summer.....	E. Bury.....	769,801	Sept. 6	337	76,77	112	73
Car swinging doors. Actuating device for freight.....	D. A. Hitchcock.....	773,402	Nov. 22	3766	797	113	909
Car-switch. Automatic.....	M. Nuss.....	775,536	May 31	5860	1256	110	1371
Car switch mechanism. Street.....	J. H. Fitch.....	777,889	Dec. 20	2835	623	113	2075
Car-switching apparatus.....	M. Brosnan.....	750,162	Jan. 19	3239	698	108	752
Car tandem-spring draft-rigging. Railway.....	W. H. Miner.....	758,677	May 3	142	30,31	110	34
Car tandem-spring draft-rigging. Railway.....	W. H. Miner.....	769,225	Sept. 6	166	41	112	86
Car. Tank.....	E. Anderson.....	751,040	Feb. 2	475	111	108	1163
Car. Tank.....	A. Stucki.....	751,438	Feb. 2	1213	277	108	1315
Car. Tank.....	C. L. Rogers.....	763,116	June 21	2965	640	110	2121
Car. Tank.....	G. I. King.....	769,906	Sept. 13	1456	1311	112	345
Car. Tank.....	A. Stucki.....	769,924	Sept. 13	1500	320	112	356
Car. Telescoping.....	J. D. Barber.....	770,885	Sept. 27	3348	707	112	804
Car. Temperable shipping.....	J. F. Pugazzi.....	765,772	July 26	3766	802	111	859
Car track-brake.....	J. A. Brader.....	754,844	Mar. 15	3265	109	109	747
Car track-sander. Motor.....	W. Lintern.....	765,742	July 26	3702	799	111	846
Car traction device.....	S. C. Webb and I. Weil.....	768,668	June 14	2077	449	110	1909
Car Tram.....	D. Townsend.....	766,854	Aug. 9	1507	315	111	1395
Car. Triple-hopper coke.....	J. M. Hansen.....	753,257	Mar. 1	82	21,22	109	20
Car trunnion and sash-lock.....	E. S. Bucknam.....	761,355	May 31	5554	1182	110	1304
Car-underframe.....	A. Stucki.....	761,262	May 31	5363	1138	110	1260
Car-underframe.....	W. P. Bettendorf.....	774,975	Nov. 15	2832	603	113	669
Car underframe. Passenger.....	C. S. Gawthrop.....	772,141	Oct. 11	1866	414	112	1374
Car underframe. Railway.....	H. R. Keithley.....	752,231	Feb. 16	2714	601	108	1658
Car underframe. Railway.....	J. M. Hansen.....	757,110	Apr. 12	1787	391	109	1738
Car underframe. Railway.....	C. E. Bauer.....	763,589	June 28	3904	848	110	2348
Car-underframe sill.....	W. P. Bettendorf. (Reissue).....	12,282	Nov. 1	1198	254	113	270
Car-underframing.....	H. C. Williamson and H. Pries.....	771,407	Oct. 4	386	85	112	1089
Car-underframing.....	H. C. Williamson and H. Pries.....	774,232	Nov. 6	3838	285	113	319
Car-underframing.....	H. C. Williamson and H. Pries.....	775,484	Nov. 22	3841	832	113	946
Car-underframing.....	H. C. Williamson and H. Pries.....	775,485	Nov. 22	3942	832	113	946
Car-underframing.....	H. C. Williamson and H. Pries.....	776,579	Dec. 6	226	50	113	1479
Car-underframing. Railway.....	G. I. King.....	752,685	Feb. 23	3617	903	109	1896
Car-underframing. Railway.....	G. I. King.....	753,583	Mar. 1	708	159	109	155
Car-underframing. Railway.....	G. I. King.....	775,801	Nov. 22	3545	747	113	857
Car-unloader.....	F. W. Lovell.....	766,108	July 26	4418	946	111	1000
Car-unloading apparatus.....	J. C. Greenway.....	758,449	Feb. 16	3144	1699	108	1775
Car-unloading device.....	W. F. Traves.....	768,006	Aug. 16	3808	794	111	1918
Car-unloading device.....	J. P. Sheehan and C. O. Johnson.....	769,923	Sept. 13	1497	319	112	356
Car-unloading means. Freight.....	A. Weigand.....	763,011	June 7	777	158	110	1607
Car-ventilating means.....	L. C. Lanphear.....	770,759	Sept. 27	3087	655	112	746
Car ventilation.....	A. Harrison.....	762,524	June 14	1795	385	110	1847
Car-ventilator.....	C. P. Goodspeed.....	759,877	May 17	2908	546	110	621
Car-ventilator.....	R. S. Lawrence.....	760,795	May 24	4426	941	110	1040
Car-ventilator.....	F. W. Symmes.....	764,079	July 5	313	66	111	75
Car-ventilator.....	W. P. McCreary.....	765,035	July 12	2903	479	111	518
Car-ventilator.....	A. W. Finlayson.....	766,992	Aug. 9	1774	372	111	1455
Car-ventilator.....	M. H. Hirschon.....	772,385	Oct. 18	2331	511	112	1500
Car-ventilator-refining device.....	H. White.....	776,523	Dec. 27	4066	892	113	2359
Car-ventilators. Hood or injector for.....	E. B. Rowland.....	756,057	Mar. 29	5543	1223	109	1279
Car-vestibule.....	M. Power.....	753,861	Feb. 23	3945	885	108	1968
Car vestibule and step.....	W. B. Foster.....	777,283	Dec. 13	1601	1355	113	1797
Car-vestibule curtains. Catch device for.....	J. G. Barry.....	767,623	Aug. 16	3023	632	111	1747
Car-vestibule, &c. Diaphragm.....	J. H. Donaldson and H. H. Schroyer.....	767,802	Aug. 16	3339	706	111	1818
Car-vestibule diaphragm.....	S. D. Fuller.....	777,285	Dec. 13	1605	356	113	1797
Car-vestibule door and trap.....	J. Filion.....	776,507	Dec. 6	63	16	113	1439
Car. Vestibule stock.....	J. L. Pennington.....	753,707	Feb. 23	3657	814	108	1906
Car. Vestibule stock.....	W. A. Buckner.....	769,128	Aug. 30	6137	1283	111	2477
Car-vestibule trap-door.....	A. W. Zimmerman.....	774,504	Nov. 8	1860	404	113	431
Car-vestibules, &c. Diaphragm for.....	W. M. Salisbury.....	758,697	May 3	179	38	110	43
Car-vestibules, &c. Diaphragm for.....	W. M. Salisbury.....	758,856	May 3	545	111	110	130
Car-wheel.....	L. Hayne.....	752,673	Feb. 23	4064	801	108	1591
Car-wheel.....	H. H. Hayward.....	753,812	May 10	2472	517	110	575
Car-wheel.....	J. E. Downer.....	760,857	May 24	4537	967	110	1065
Car-wheel.....	S. R. Costley.....	762,284	June 14	1297	278	110	1741
Car-wheel.....	P. R. Rennie.....	763,930	June 28	4573	999	110	2489
Car-wheel.....	G. W. Curfman.....	767,041	Aug. 9	1862	321	111	1476
Car-wheel.....	E. A. Vickroy.....	771,341	Oct. 4	237	52	112	1011
Car-wheel.....	C. Wimmer.....	778,766	Dec. 27	4543	995	113	2458
Car-wheel and axle.....	W. A. Honeyman.....	770,538	Sept. 20	2748	583	112	654
Car-wheel-grinding device.....	P. F. McCormick.....	760,479	Jan. 26	3823	830	108	901

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Car-wheel lubricating device. Mine.	J. N. Maxwell	775,114	Nov. 15	3117	661	113	736
Car-wheels. Abrading-shoe for truing up.	J. M. Griffin	766,691	Aug. 2	1140	236	111	1294
Car-wheels. Making.	H. V. Loss	757,819	Apr. 19	3225	700	109	2065
Car-wheels. Manufacturing.	W. E. Connolly and J. P. Weidlein.	760,960	May 24	4738	1009	110	1107
Car wheels, trucks, &c. Apparatus for removing.	W. A. Haller	760,622	May 24	4041	859	110	1059
Car-window.	H. F. Vogel.	773,517	Dec. 27	4083	889	113	2357
Car-window dust-guard.	E. Niblack	758,796	Feb. 23	3818	856	108	1941
Car-window guard or shield.	A. D. Cooke	753,044	Feb. 23	4398	965	108	2058
Car window. Railway-passenger.	T. H. and A. Davis	762,692	June 14	2134	465	110	1921
Car-window sash-lifter.	A. R. Bell	754,634	Mar. 15	2845	621	109	654
Car window. Street.	H. Witte.	755,982	Mar. 29	5411	1195	109	1250
Cars. Apparatus for handling mine.	W. J. Patterson	765,902	July 26	4009	855	111	912
Cars. Apparatus for replacing derailed.	J. G. McNichols.	772,575	Oct. 18	2760	607	112	1593
Cars. Automatic blocking, releasing, and dumping system for tram.	C. J. Ringstrom	753,917	Mar. 8	1408	317	109	325
Cars. Automatic brake-coupling for railway or electric.	K. Geucke	758,059	Apr. 26	3695	802	109	2188
Cars. Automatic fluid-pipe connection for railway.	D. R. Leighton	774,088	Nov. 1	1105	803	113	250
Cars, &c. Automatic guard or life-saver for tram-cars by hand. Device for propelling railway or tram.	D. Maxwell	748,628	Jan. 5	147	35	108	33
Cars by hand. Device for propelling railway or tram.	H. J. Gehr	762,898	June 21	2559	556	110	2032
Cars by synchronous electric motors. Propelling railway.	A. Churchward	766,991	Aug. 9	1772	372	111	1454
Cars. Card or label holder for the home routing of.	V. H. Cain	769,375	Sept. 6	478	106	112	109
Cars. Cheek piece or plate for holding the draft-rigging to the under sides of.	T. H. Simpson	759,321	May 10	1519	305	110	366
Cars. Combined friction and direct-acting spring draft-rigging for railway.	T. B. Hunt	748,951	Jan. 5	771	167	108	175
Cars. Convertible cab for railway.	J. S. Doyle	750,951	Feb. 2	324	76	108	1129
Cars. Crane attachment for loading or unloading.	J. Leightham	775,832	Nov. 22	4655	77	113	1100
Cars. Cup-washer for use in the construction of.	L. T. Canfield	750,806	Feb. 2	40	8	108	1066
Cars. Cushioning device for safety attachments for.	B. Lev	778,199	Dec. 20	3438	756	113	2198
Cars. Device for loading or unloading trains of.	J. A. McManus	763,779	June 28	4271	980	110	2427
Cars, &c. Device for rapid and accurate loading of railway.	F. K. Hoover and A. J. Mason	768,992	Aug. 30	5867	1230	111	2418
Cars. Electric-lighting system for.	H. Kreusler	769,094	Aug. 30	6064	1268	111	2461
Cars, &c. Electric propulsion of.	O. H. Caldwell	776,826	Dec. 6	733	161	113	1587
Cars. Electrical contact device for intermittently establishing circuits on moving.	J. D. Keen	766,952	Aug. 9	1706	357	111	1441
Cars. Electrical controller for railway.	H. P. Wellman	750,139	Jan. 19	3196	687	108	743
Cars. Flexible metal pipe-coupling for connecting the air and steam pipes of railway.	G. D. Pettingell	757,493	Apr. 19	2563	563	109	1918
Cars. Flexible metallic pipe-coupling for railway.	J. Joynt	757,313	Apr. 12	2208	482	109	1829
Cars. Flexible roller for safety attachments on motor.	B. Lev	778,200	Dec. 20	3439	756	113	2198
Cars. Magnet-contact for propulsion of.	J. M. Morgan	777,124	Dec. 13	3395	293	113	1738
Cars. Megaphone attachment for passenger.	W. H. Brunt	754,918	Mar. 15	3387	740	109	774
Cars, motor-cars, &c. Speed and distance recorder for tram.	H. Hartley and V. Canova	778,451	Dec. 27	3958	861	113	2328
Cars. Mounting hoppers for dump.	J. C. Depew	757,277	Apr. 12	2107	459	109	1807
Cars of all kinds. Safety apparatus for motor.	K. Schmidt	753,436	Mar. 1	412	96	109	89
Cars on sidings. Means for holding.	H. Smelser	755,949	Mar. 29	3558	1183	109	1239
Cars or other electrically-propelled vehicles. Life-guard for tram.	W. Simm	772,838	Oct. 18	3262	712	112	1701
Cars or trains. Electric safety apparatus for.	W. P. Robertson	774,896	Nov. 15	2665	573	113	630
Cars or trains. Means for automatically stopping electric-railway.	W. O. Mundy	776,534	Dec. 6	134	31	113	1455
Cars. Portable storm-front for street-railway.	H. M. Adams	773,618	Nov. 1	154	35	113	40
Cars. Portable storm-front for street-railway.	H. M. Adams	773,620	Nov. 1	161	36	113	41
Cars, railway-carriages, or the like. Bogie or truck for tramway.	A. S. Nelson, A. Stewart, and T. J. Foster.	750,387	Jan. 26	3650	793	108	863
Cars. Saddle for tank.	A. Christianson	772,490	Oct. 18	2615	576	112	1561
Cars. Sleeping appliance for passenger.	I. B. Guenzburg	749,930	Jan. 19	2808	599	108	662
Cars. Stanchion and strip for loading lumber, poles, &c., upon flat.	H. D. Hunt	755,877	Mar. 29	5207	1152	109	1205
Cars. System of upper framing for railway.	G. W. Scott	774,205	Nov. 8	1310	278	113	313
Cars. Tandem friction spring draft-rigging for railway.	P. N. Moore	754,676	Mar. 15	2932	640	109	673
Caramel cutting and wrapping machine.	W. B. Page and A. E. Hopkins.	769,229	Sept. 8	175	42	112	38
Carbid. Producing.	W. S. Horry	757,617	Apr. 19	2836	619	108	1979
Carbon analysis.	G. O. Seward	773,529	Oct. 25	4874	1028	112	2079
Carbon articles. Making.	E. G. Acheson	749,418	Jan. 12	1777	376	108	421
Carbon break-switch.	C. C. Badaeu	755,609	Jan. 19	3406	718	111	772
Carbon dioxide from alkaline carbonates. Removing.	H. H. Dow	765,418	Jan. 19	3035	635	111	693
Carbon from pulverized carbonaceous materials. Separating.	J. D. Darling	763,859	June 28	4431	965	110	2461
Carbon resistance and producing and adjusting same.	G. I. Leonard	753,716	Mar. 1	965	219	109	208
Carbon-sheet holder.	F. Jefferson	763,762	June 28	4237	923	110	2421
Carbon-sheets. Automatic feeding device for.	G. W. Donning	764,436	July 5	1074	219	111	23
Carbons. Utilizing waste ends of.	R. Peters	774,703	Dec. 27	4419	1195	113	2431

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g	Vol.	Page.
Carbonated-liquid-dispensing apparatus.....	T. Hentgen.....	754,216	Mar. 8	1977	499	109	451
Carbonating apparatus.....	A. Heymann.....	763,753	June 28	4222	920	110	2417
Carbonating apparatus. Liquid.....	J. F. and D. Youngblood.....	758,403	Apr. 26	4379	941	109	2337
Carbonating apparatus. Liquid.....	W. J. Young.....	761,434	May 31	5691	1212	110	1394
Carbonator.....	F. B. West.....	757,375	Apr. 12	2321	507	109	1853
Carbonator-controller. Automatic.....	E. E. Murphy.....	767,419	Aug. 16	3021	548	111	1652
Carborundum article. Self-bonded.....	F. J. Tompky.....	754,774	Mar. 15	3112	579	112	1484
Carboy-case.....	A. J. Oostdyk.....	757,804	Feb. 9	1898	430	108	1481
Carboy-inclinator.....	J. F. Flaherty.....	772,461	Oct. 18	2538	557	112	1545
Carbureted air. Apparatus for producing.....	E. F. Wilson.....	749,768	Jan. 19	2494	531	108	598
Carbureted air. Producing.....	E. F. Wilson.....	749,767	Jan. 19	2492	530	108	592
Carbureter.....	W. L. Severance.....	750,311	Jan. 26	3522	761	108	834
Carbureter.....	H. B. Cornish.....	760,433	Jan. 26	3738	812	108	882
Carbureter.....	F. Harmany.....	750,764	Jan. 26	4408	950	108	1026
Carbureter.....	T. Weber.....	754,176	Mar. 8	1894	422	109	435
Carbureter.....	F. Jas.....	754,774	Mar. 15	3112	579	109	2715
Carbureter.....	W. P. Phillips.....	755,167	Mar. 22	3835	847	109	890
Carbureter.....	R. S. Lawrence.....	756,381	Apr. 5	388	79	109	1426
Carbureter.....	S. A. Lockhart.....	757,935	Apr. 19	3441	745	109	2113
Carbureter.....	H. G. Slingsing.....	758,789	May 3	416	84	110	102
Carbureter.....	L. C. Smith.....	758,790	May 3	417	84	110	102
Carbureter.....	F. C. Merrage.....	759,539	May 10	1944	398	110	460
Carbureter.....	D. D. Ranney.....	760,247	May 17	3329	700	110	784
Carbureter.....	J. Ruthven.....	763,074	June 21	2896	625	110	2107
Carbureter.....	M. D. Golbath.....	763,965	July 5	40	7, 8	111	14
Carbureter.....	H. Soeder.....	765,108	July 12	2446	510	111	548
Carbureter.....	A. S. Avery and C. R. Smith.....	765,351	July 19	2911	608	111	666
Carbureter.....	F. C. Merrage.....	767,485	Aug. 16	2740	575	111	1685
Carbureter.....	G. M. Ritchie.....	767,716	Aug. 16	3180	666	111	1782
Carbureter.....	E. H. Baare.....	768,648	Aug. 30	5172	1087	111	2392
Carbureter.....	S. C. Bruce.....	768,732	Aug. 30	5357	1124	111	2498
Carbureter.....	W. Hooker.....	768,801	Aug. 30	5465	1151	111	2327
Carbureter.....	A. Akeson.....	772,551	Oct. 18	2709	596	112	1581
Carbureter.....	A. C. Roebuck and F. McMillan.....	772,673	Oct. 18	2938	645	112	1630
Carbureter.....	E. L. Dow.....	772,791	Oct. 18	3182	693	112	1682
Carbureter.....	C. B. Smith.....	773,231	Oct. 25	4228	865	112	1939
Carbureter.....	C. W. Hinman.....	773,322	Oct. 25	4398	933	112	1975
Carbureter.....	J. B. Salo and A. H. Hoag.....	773,679	Nov. 1	279	64	113	67
Carbureter.....	V. C. Severance.....	773,682	Nov. 1	290	65	113	69
Carbureter.....	H. Marshall.....	774,486	Nov. 8	1822	394	113	423
Carbureter.....	J. C. Thompson.....	774,798	Nov. 15	2467	532	113	586
Carbureter.....	F. Paul, Jr.....	776,542	Dec. 6	146	33	113	1458
Carbureter.....	A. J. O'Shea.....	777,390	Dec. 13	1821	403	113	1846
Carbureter.....	F. J. Lothammer.....	777,908	Dec. 20	2883	635	113	2084
Carbureter.....	M. Loewenstein.....	778,686	Dec. 27	4394	960	113	2425
Carbureter. Gas-mixer.....	I. E. Butler.....	779,307	Nov. 8	1490	320	113	353
Carbureter. Explosion-engine.....	R. B. Olds.....	781,392	May 31	5621	1196	110	1318
Carbureter. Explosive-engine.....	C. F. Parmenter.....	771,492	Oct. 4	528	118	112	1070
Carbureter. Explosive-engine.....	G. F. Swain.....	775,614	Nov. 22	4234	892	113	1012
Carbureter. Explosive-engine.....	F. Patee.....	777,220	Dec. 13	1489	329	113	1772
Carbureter for explosion-engines.....	E. C. Richard.....	771,096	Sept. 27	3767	794	112	907
Carbureter for explosive-engines.....	E. H. Clay.....	770,559	Sept. 20	2712	574	112	645
Carbureter for explosive-engines. Double.....	T. L. and T. J. Sturtevant.....	755,074	Mar. 22	3678	807	109	657
Carbureter for internal-combustion engines. Vaporizing.....	C. J. Jager.....	774,079	Nov. 1	1082	232	113	244
Carbureter for motor-cars, &c.....	J. F. Bennett and H. S. Moorwood.....	762,271	June 14	1257	276	110	1734
Carbureter. Gas-engine.....	G. F. Swain.....	756,908	Apr. 12	1383	308	109	1653
Carbureter. Gasoline-engine.....	G. Kingston.....	771,985	Oct. 11	1541	346	112	1301
Carbureter. Gasoline-engine.....	J. A. McGee.....	772,530	Oct. 18	1867	556	112	1572
Carbureter. Hydrocarbon-engine.....	C. M. Mohler.....	759,001	May 8	832	169	110	192
Carbureter. Hydrocarbon-engine.....	M. A. Rutenber.....	759,396	May 10	1677	339	110	400
Carbureter. Hydrocarbon-engine.....	B. Vauers.....	772,979	Oct. 25	3557	769	112	1785
Carbureter. Hydrocarbon-engine.....	G. W. Burton and A. F. Seibel.....	775,553	Nov. 22	4109	865	113	984
Carbureter. Hydrocarbon-motor.....	E. Lenglez.....	756,249	Apr. 5	112	24	109	1365
Carbureter. Internal-combustion-engine.....	G. McCadden.....	756,879	Apr. 12	1320	294	109	1640
Carbureter. Internal-combustion-engine.....	J. Grove.....	762,707	June 14	2176	473	110	1928
Carbureter. Petrol-motor.....	M. S. Napier and A. J. Rowledge.....	751,434	Feb. 2	1206	275	108	1313
Carbureting apparatus. Air.....	H. Garde.....	762,177	June 14	1698	365	110	1826
Carbureting apparatus. Air.....	H. Marshall.....	774,85	Nov. 8	1819	398	113	423
Carbureting apparatus. Explosive-engine.....	J. D. Anderson.....	776,982	Dec. 6	1039	234	113	1658
Carbureting device. Explosive-engine.....	L. P. Mooers.....	749,315	Jan. 12	1598	332	108	377
Carbureting device. Explosive-engine.....	E. Haynes and E. Apperson.....	751,913	Feb. 9	2109	478	108	1528
Carbureting-lamp.....	H. Marshall and J. Maton.....	762,734	June 14	2224	483	110	1938
Carbureting-lamp.....	J. Maton.....	768,963	Aug. 23	3617	862	111	1862
Carbureting means. Air.....	W. H. and G. E. Russell.....	775,839	Nov. 25	4703	996	113	1110
Carcass-hanger.....	P. J. Shannon.....	769,188	Sept. 6	100	25	112	23
Carcasses of hogs or other animals. Apparatus for dividing.....	H. Pratt.....	768,236	Aug. 23	4209	905	111	2047
Card bevel-edger.....	E. Long.....	765,291	July 19	2983	624	111	681
Card-case.....	W. S. Prad.....	768,420	Aug. 23	4687	982	111	2140
Card-case and counter.....	O. A. Sterl.....	766,545	Aug. 2	820	172	111	1231
Card-clothing for napping-machines.....	D. Gessner.....	761,470	May 31	5750	1226	110	1348
Card-clothing strickle.....	D. Gessner.....	751,165	Feb. 2	708	162	108	1209
Card-clothing strickle.....	H. L. Miller.....	775,849	Nov. 22	4672	940	113	1104
Card-clothing to cylinders. Machine for applying.....	C. Mills.....	760,696	May 24	4208	893	110	994
Card-feeding and positioning device.....	G. W. Donning.....	759,214	May 3	1271	255	110	289
Card-feeding machine.....	D. H. Waters.....	747,649	Jan. 12	2234	471	108	519
Card-feeding mechanism.....	E. V. Bates.....	754,189	Mar. 8	1939	425	109	438
Card-feeding mechanism.....	E. V. Bates.....	773,536	Nov. 1	5	2	113	4
Card-holder.....	A. B. Clark.....	755,274	Mar. 22	4032	894	109	990

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Card holding and exhibiting device	J. D. Karle	768,286	Aug. 23	4398	924	111	2070
Card-holding device	E. N. Heath	753,883	Mar. 8	1333	300	109	308
Card or label holder	J. W. Outler	777,083	Dec. 13	1244	273	113	1720
Card or paper sheets. Manufacture of	C. H. Crosier	707,325	Aug. 9	2422	508	111	1595
Card safety-tray	W. A. Hoshcke	778,314	Dec. 27	3676	802	113	2268
Card shuffler. Playing-	H. F. A. Newington	750,216	Jan. 19	3326	718	108	707
Cards. Educational.	C. A. Roberts	776,689	Dec. 6	4550	100	113	1557
Cards having beveled edges. Means for cutting flat sheets of cardboard, paper, &c. into	H. F. Healey	764,585	July 12	1410	289	111	325
Cards. Machine for repeating pattern-	R. Johnston	764,129	July 5	431	84	111	94
Cardboard-creasing machine	L. A. Mayall	758,672	May 3	135	29	110	33
Cardboard. Manufacturing faced	E. Oeser	770,648	Sept. 20	2873	610	112	681
Cardboard or the like. Apparatus for cutting and beveling sheets of	C. Johnson	761,077	Mar. 31	5002	1061	110	1153
Carding and cleaning machine. Wet-moss	M. C. Mollere	772,365	Oct. 18	2342	514	112	1052
Carding-engine drawing-off device	D. S. Eastwood	775,804	Nov. 22	4602	975	113	1089
Carding-engine feed	C. M. Barber	706,486	Aug. 2	706	148	111	1194
Carding-engine flat	C. Mills	752,242	Feb. 16	2735	106	108	886
Carding-machine	J. J. Henderson	759,439	May 10	1755	355	110	417
Carding-machine	C. Surprise	761,437	May 31	5679	1209	110	1331
Carding-machine attachment	G. W. Taylor and J. W. Scott	754,514	Mar. 15	2629	570	109	611
Carding-machine attachment	J. T. Griffith	759,271	May 10	1426	571	110	346
Carding-machine feeding mechanism	H. F. McBridge	754,484	Mar. 15	2361	558	109	596
Carding-machine feeding mechanism	T. Kershaw	765,490	July 19	3204	669	111	729
Carding-machine lap-feeding device	C. Schofield and I. Reeder	772,832	Oct. 18	3249	709	112	1698
Carding-machine stop mechanism	J. W. Scott	767,965	Aug. 16	3677	776	111	1889
Cargoes beneath hatches. Mechanism for gathering bulk	C. H. Wellman and J. E. A. Moore	762,785	June 14	3219	507	110	1959
Carline	E. G. Caughey	752,282	Feb. 16	2823	626	108	1706
Carousel	H. S. Thomas	763,811	June 28	4349	944	110	2442
Carousel	E. L. Appleby	760,045	Aug. 30	5077	1252	111	2442
Carousel. Aquatic	G. A. Miller	765,093	July 12	2423	504	111	543
Carousel. Portable street or road	W. MacDonald and W. M. Veale	773,292	Oct. 25	4346	918	112	1966
Carousel. Water-	A. Meffert	750,472	Jan. 26	3810	827	108	998
Carpenter's brace handle	A. D. Leblanc	773,576	Nov. 18	38	18	113	25
Carpenter's device	N. V. Steele	778,277	Nov. 29	5531	1171	113	1316
Carpenter's gauge for drafting rafters and braces	J. F. McCormick	773,763	Nov. 1	435	96	113	103
Carpenter's tool	F. Lindblad	750,866	Feb. 2	159	38	108	1092
Carpenter's tool. House-	H. Plante	760,245	May 17	3327	699	110	783
Carpet-beating machine	C. P. Carey	754,540	Mar. 15	2673	580	109	620
Carpet-clamp	L. Grady	775,034	Nov. 15	3945	628	113	697
Carpet-cleaning	N. V. Steele	771,333	Oct. 4	219	49	112	1007
Carpet fabric	C. C. Stewart	762,210	June 7	1131	242	110	1685
Carpet-fastener	T. R. Diehl	751,267	Feb. 2	928	211	108	1254
Carpet-fastener	R. C. Russell and A. W. Siegel	752,360	Feb. 16	2968	660	108	1738
Carpet-fastener	R. Reininger	757,226	Apr. 19	2014	498	109	1759
Carpet-fastener	W. Haussler	763,622	June 28	3718	801	110	2308
Carpet-fastener	J. D. Cox	772,501	Oct. 18	2619	576	112	1502
Carpet-fastener	C. R. Shaffer	777,812	Dec. 20	2669	587	113	2041
Carpet-fastener. Stair-	O. Karcher	778,586	Dec. 27	4218	919	113	2384
Carpet-fastener	D. T. Foley	761,467	May 31	5746	1226	110	1347
Carpet-laying tool	W. D. Sickle	773,428	Oct. 25	4639	979	112	2028
Carpet-rag looper	C. F. Close	773,001	Oct. 25	3590	778	112	1792
Carpet-renovating apparatus	W. H. Loomis	764,739	July 12	1728	353	111	393
Carpet-renovator	M. H. Collom	767,630	Aug. 16	3037	635	111	1630
Carpet-renovator. Pneumatic	A. Lots	759,452	May 10	1776	359	110	422
Carpet rod and fastener. Stair-	C. Michael	756,875	Apr. 12	1315	293	109	1559
Carpet-stretcher	T. J. and Z. T. Sheets	748,664	Jan. 5	211	51	108	46
Carpet-stretcher	J. M. Brown	749,161	Jan. 12	1238	266	108	303
Carpet-stretcher	E. J. Strader	755,960	Mar. 29	3381	1187	109	1244
Carpet-stretcher	W. Reichle	758,562	Apr. 25	4692	1012	109	2408
Carpet-stretcher	W. Andree	761,137	May 31	5067	1082	110	1333
Carpet-stretcher	M. E. Shinn	769,328	Sept. 6	387	89	112	83
Carpet-stretcher	J. P. Gallagher	769,736	Sept. 13	1141	246	112	276
Carpet-stretcher	F. Fererro	769,994	Sept. 13	1644	348	112	389
Carpet-stretcher	J. H. Lynch	772,165	Oct. 25	3387	756	112	1768
Carpet-stretcher	H. Verheul	772,980	Oct. 25	3358	770	112	1765
Carpet-stretcher	J. J. Moore	774,596	Nov. 8	2029	443	113	467
Carpet-stretcher	W. F. Baumhauer, Jr.	778,349	Dec. 27	3750	817	113	2283
Carpet-stretcher and tack-holding tool. Combined.	A. Rebetez	767,012	Aug. 9	1806	379	111	1461
Carpet surface. Machine for trimming pile-	B. S. Smith	755,803	Mar. 29	5009	1123	109	1710
Carpet-sweeper	E. C. Murdick	756,042	Mar. 29	5523	1218	109	1274
Carpet-sweeper	J. F. Hardy	756,358	Apr. 5	336	69	109	1415
Carpet-sweeper	J. F. Hardy	756,359	Apr. 5	343	70	109	1417
Carpet-sweeper	W. D. Halliday	761,056	June 7	449	92	110	1538
Carpet-sweeper	E. C. Murdick	764,050	June 7	29	52	111	62
Carpet-sweeper	A. C. Murdick	773,581	Nov. 1	92	19	113	27
Carpet-winder	E. W. Munson and A. S. Dornblaser	756,132	Mar. 29	5690	1255	109	1309
Carpet-wire and cutter	A. Price	774,695	Nov. 8	2311	483	113	507
Carpets, &c. Fastener for	J. P. Hull	761,174	May 31	5160	1002	110	1263
Carriage	W. B. Morgey	765,983	July 26	4167	899	111	947
Carriage. Baby-	L. V. Thompson	754,102	Mar. 8	1762	392	109	404
Carriage change-speed gear. Motor-	E. Mathieu	765,707	July 26	3617	789	111	831
Carriage. Child's	C. O. and J. W. Glascock	778,485	Dec. 27	4035	878	113	2345
Carriage. Collapsible	H. M. Hull	748,869	Jan. 5	598	135	108	194
Carriage-curtain fastening	H. M. Yankie	756,090	Mar. 29	5611	1238	109	1293
Carriage-curtain or the like fastener	C. E. Flores	778,649	Dec. 27	4342	948	113	2414
Carriage. Doll's or child's	F. H. Higdon	776,898	Dec. 2	733	166	113	1385
Carriage electric switch. Motor-	M. B. Lloyd and J. Knudson	778,301	Dec. 29	3440	737	113	2198
	H. C. Folger	762,034	June 7	815	167	110	1614

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Carriage. Folding baby.	A. B. Todd.	761,112	May 31	5076	1077	110	1198
Carriage-jack. Automatic.	H. Edeline.	778,645	Dec. 27	4384	947	113	2412
Carriage rocker attachment. Baby.	O. M. Pond.	751,409	Feb. 2	1168	266	108	1205
Carriage-shifting mechanism.	L. Myers.	732,093	Feb. 16	2456	549	108	1632
Carriage. Storm.	S. K. Landis.	777,959	Dec. 20	2981	654	113	2104
Carriage storm-shield.	E. S. Lynd.	764,855	July 12	1970	407	111	447
Carriage-top.	L. C. Shipley.	760,928	May 24	4676	996	110	1093
Carriage-top.	H. L. Kelly.	763,985	July 5	111	32	111	32
Carriage-top.	J. F. Swarons.	764,394	July 5	1001	203	111	232
Carriage-top.	J. S. Draper.	772,645	Oct. 18	2883	634	112	1619
Carriage-top-bow spring-protector.	C. H. Sooy.	775,583	Nov. 22	4174	879	113	998
Carriage-top-bow support.	E. W. Wright.	761,281	May 31	5398	1148	110	1268
Carriage-top. Folding.	H. H. Robinson.	768,543	Aug. 23	4923	1032	111	2191
Carriage-top seat-iron.	H. C. Swan.	757,363	Apr. 12	2299	501	109	1849
Carriage-top support.	J. M. Peyton.	770,697	Sept. 20	2972	632	112	704
Carriage wind-shield.	G. A. Pond.	778,330	Dec. 27	3701	808	113	2374
Carriages. Automatic brake-shoe for baby.	J. F. Snyder.	754,510	Mar. 15	2624	569	109	610
Carrier:							
See Article-carrier.	Overhead carrier.						
Bottle-carrier.	Package-carrier.						
Bundle-carrier.	Pneumatic carrier.						
Cuspidor-carrier.	Pneumatic-tube carrier.						
Electric carrier.	Postal money-carrier.						
Feed or litter car- rier.	Sample-carrier.						
Fowl-carrier.	Silo-carrier.						
Hay-carrier.	Trace-carrier.						
Luggage-carrier.	Traveling carrier.						
Mail-carrier.	Umbrella-carrier.						
Mail-box carrier.	Wood-carrier.						
Mail or parcel car- rier.	Work-carrier.						
Carrier-bar. Adjustable.	A. E. Brown.	767,861	Aug. 16	3470	733	111	1845
Carrier-frame. Folding.	A. H. and O. G. Berns.	762,979	June 21	2705	587	110	2065
Carrier knocker. Traveling.	D. M. Motherwell.	767,652	Aug. 16	3072	642	111	1758
Carrier-system switch.	M. C. Richards.	768,239	Aug. 23	4307	907	111	2050
Carrying-table. Portable.	G. Ward.	778,613	Dec. 27	4266	930	113	2395
Cart.	G. B. Donavin, H. E. Stein, and O. D. Hunt.	752,763	Feb. 23	3753	837	108	1927
Cart.	H. A. Biehloff.	758,126	Apr. 26	3828	831	109	2216
Cart.	W. C. Poole.	774,105	Nov. 1	1136	242	113	257
Cart. Ash.	J. Altschul.	761,126	May 31	5095	1082	110	1202
Cart. Ash.	J. C. Lehr.	765,432	July 19	3669	643	111	700
Cart. Combined box and barrel.	L. C. Notbohm.	762,747	June 14	2244	488	110	1942
Cart-cover.	S. Kurzman.	750,467	Jan. 26	3797	825	108	885
Cart. Dumping.	W. E. Harris.	749,057	Jan. 5	1021	216	108	236
Cart. Dumping.	J. Hovas.	749,559	Jan. 12	2077	432	108	486
Cart. Dumping.	S. Gantz.	757,293	Apr. 12	2146	469	109	1516
Cart. Garbage.	R. D. Wirt.	768,343	Apr. 26	4271	917	109	2313
Cart. Hand.	J. A. Baines.	759,495	May 10	1865	376	110	443
Cart. Self-loading.	J. F. Clark.	753,669	Mar. 1	869	196	109	188
Cart. Tank.	T. D. Ulrich.	760,588	May 24	3971	844	110	944
Carton.	C. H. Seegmiller.	759,027	May 8	875	178	110	201
Carton.	A. C. Smith.	759,082	May 8	888	180	110	203
Carton-cabinet.	F. M. Thorpe.	774,291	Nov. 8	1462	314	113	346
Carton closing and sealing machine.	G. R. Wyman.	752,369	Feb. 16	2981	665	108	1741
Carton closing and sealing machine.	G. R. Wyman.	772,076	Oct. 11	1739	387	112	1347
Carton. Inner-seal.	L. E. Lee.	768,131	Aug. 23	4100	892	111	2005
Carton-machine.	C. A. Coombs.	750,814	Feb. 2	54	12	108	1069
Carton-machine.	J. H. Weeks.	751,823	Feb. 9	1936	439	108	1488
Carton-machine flap-folder.	H. Bitner.	756,570	Apr. 5	729	158	109	1496
Carton-marking machine.	C. S. Luitwieler.	766,634	Aug. 2	1009	212	111	1265
Carton. Sector-shaped.	J. C. Graham.	756,494	Apr. 5	603	130	109	1469
Carton. Sector-shaped.	H. P. Shotts.	764,154	July 5	483	95	111	105
Carton, &c. setting-up machine.	W. S. Scales.	767,445	Aug. 16	2656	559	111	1664
Cartons, &c. Machine for setting up and filling.	W. H. Doble.	767,395	Aug. 16	2650	538	111	1643
Cartons or folding boxes. Machine for making.	L. S. Burbank.	770,159	Sept. 13	1919	409	112	449
Cartridge.	J. M. Edmunds.	750,623	Jan. 26	4092	888	108	956
Cartridge.	J. H. Kilzer.	751,519	Feb. 9	1354	309	108	1386
Cartridge.	C. Kurth.	767,570	Aug. 16	2915	609	111	1724
Cartridge.	A. H. Emery.	776,652	Dec. 6	369	80	113	1510
Cartridge.	W. Ulrich.	777,319	Dec. 13	1676	371	113	1814
Cartridge-belt.	A. Mills.	756,178	Mar. 29	5758	1271	109	1324
Cartridge-belt.	W. C. Fisher.	764,803	July 12	1256	382	111	421
Cartridge-belt.	F. H. Frissell.	764,804	July 12	1257	382	111	422
Cartridge-belt-filling machines. Feed device for.	J. Ramsay and T. E. Riddle.	754,345	Mar. 8	2199	469	109	137
Cartridge-belt or bandoleer.	A. Mills.	776,153	Nov. 29	5369	1136	113	1273
Cartridge-belt. Seamless woven.	A. Mills.	756,177	Mar. 29	5757	1271	109	1324
Cartridge-belt. Woven.	W. C. Fisher.	773,066	Oct. 25	3799	811	112	1839
Cartridge. Blasting.	T. F. Durham.	748,935	Jan. 5	742	161	108	169
Cartridge-cleaning apparatus.	P. Butler.	774,836	Nov. 15	2621	543	113	527
Cartridge-clip.	L. F. Bruce.	768,842	Aug. 30	5367	1169	111	2350
Cartridge-clip.	E. O. Goss.	770,497	Sept. 20	2594	549	112	619

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Cartridge. Explosive.	G. Cornara	762,229	June 7	1166	250	110	1693
Cartridge-feeding device.	M. L. Bristol	752,648	Feb. 23	3545	789	108	1850
Cartridge. Flash-powder.	I. G. McColl	774,333	Nov. 8	1546	331	113	365
Cartridge-loader.	E. E. Breckenridge.	772,805	Oct. 18	3315	723	112	1714
Cartridge-packet.	E. G. Parkhurst	771,491	Oct. 4	534	118	112	1070
Cartridge-shell-priming machine.	P. Butler	774,827	Nov. 15	2523	544	113	597
Carving. Imitation wood.	J. Walter	777,647	Dec. 13	2332	569	113	1954
Carving-machine.	H. Newhouse.	762,930	June 21	2626	570	110	2047
Carving-machine.	F. Streich	768,917	Aug. 30	5715	1201	111	2385
Carving-machine.	G. A. Baghurst	769,931	Sept. 13	1513	324	112	359
Carving-machine. Automatic	F. Streich	757,151	Apr. 12	1881	410	109	1760
Carving-machine. Automatic	F. Streich and C. L. Ruehs	757,152	Apr. 12	1884	411	109	1761
Carving-machine. Automatic	C. L. Ruehs and F. Streich	757,230	Apr. 12	2021	439	109	1790
Carving-machine. Automatic	F. Streich	757,243	Apr. 12	2047	446	100	1796
Carving-machine. Automatic	F. P. Burkhardt	758,616	May 3	14	3, 4	110	6
Case.							
See Banana-shipping	Filing-case.						
case.	Firearm-carrying case.						
Bookcase.	Fishing-tackle case.						
Bottle-case.	Flag-case.						
Bottle-packing case.	Hat-case.						
Bottle-shipping	Instrument or other case.						
case.	Knockdown case.						
Burial-case.	Lantern safety-case.						
Carboy-case.	Mail-delivery case.						
Card-case.	Map-case.						
Cigar-case.	Match-case.						
Cigarette or cigar	Moisture-proof case.						
case.	Packing-case.						
Clothing-case.	Pencil-case.						
Coffin-case.	Photographic case.						
Combination-case.	Pocket-case.						
Cracker-case.	Rule-case.						
Curling-iron case.	Sample-case.						
Display-case.	Sectional case.						
Dress-suit case.	Shipping-case.						
Egg-case.	Show-case.						
Emergency-case.	Spectacle-case.						
Exhibition-case.	Storage and show case.						
Extensible case.	Suit-case.						
Eyeglass-case.	Surgical-instrument						
Eyeglass or specta-	case.						
cle case.	Traveling-case.						
File-case.	Whetstone-case.						
Case.	J. F. Prentice	750,122	Jan. 19	3164	680	108	736
Case.	G. A. Schwanbeck	754,937	Mar. 15	3475	760	109	795
Case-hardening	C. Lamargese	765,706	July 26	3616	111	831	
Case-hardening compound	J. Cadotte	748,842	Jan. 5	543	108	123	
Case-making machine.	Round-corner.	J. B. Gury	770,394	Sept. 20	2195	458	112
Case or satchel.	E. A. Lamphier	767,898	Aug. 16	3333	748	111	1359
Casing-clamping wrench	J. G. Winger.	768,500	Aug. 23	4833	1013	111	2171
Casing-head and tubing-anchor.	J. C. Boyce	750,428	Jan. 26	3724	809	108	880
Casing-spear. Trip.	C. T. Mapes	769,097	Aug. 30	6069	1209	111	2462
Casing-sawge	F. W. Jones	759,379	May 10	1644	333	110	392
Casing-turner	W. Nesbitt.	754,597	Mar. 15	2777	605	109	640
Casein-cellulose composition and producing same.	H. V. Dunham	748,700	Jan. 5	296	108	66	
Casein composition and producing same.	W. A. Hall.	758,064	Apr. 26	3719	109	2190	
Casein compound and producing same.	H. K. Brooks	750,048	Jan. 19	3026	108	707	
Casein. Preparing food.	A. A. Dunham	750,832	Feb. 2	100	24	108	1079
Casein. Treatment of.	L. A. Dreyfus	759,808	May 10	2466	110	573	
Cash and ticket register and bell ticket-punch.	P. Whiting	762,219	June 7	1147	247	110	1689
Combined	J. H. D. Chamberlain and D. E. Chism.	754,422	Mar. 15	2417	529	109	663
Cash-carrier apparatus	D. E. Chism	754,424	Mar. 15	2428	530	109	566
Cash-carrier box	D. E. Chism	754,423	Mar. 15	2424	530	109	565
Cash-carrier systems.	Cash-box for pneumatic.	C. A. Pfuger	769,233	Sept. 6	189	45	112
Cash-controlling apparatus	R. and W. Schneider	763,025	June 21	2786	604	110	2053
Cash, &c., in stores or like places.	Apparatus for transmitting	H. Lough	765,244	July 19	2689	560	618
Cash-indicator	G. Hiller	756,018	Mar. 29	5484	1210	109	1205
Cash indicator and register.	F. M. Boring	760,415	May 24	3628	766	110	866
Cash-recorder	S. A. Creelman	765,378	July 19	2954	666	111	675
Cash-register.	T. Carroll.	750,086	Jan. 19	3100	667	108	721
Cash-register.	E. W. Applegate	750,791	Feb. 2	6	2, 3	108	1058
Cash-register.	T. Carroll.	751,611	Feb. 9	1526	348	108	1402
Cash-register	W. H. Muzzy	753,512	Mar. 1	549	127	109	120
Cash-register	W. H. Muzzy	753,513	Mar. 1	558	129	109	122
Cash-register	T. Carroll.	754,049	Mar. 8	1653	368	109	380

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Cash-register	W. H. Muzzy	754,082	Mar. 8	1711	381	109	393
Cash-register	T. Carroll	755,356	Mar. 22	4191	926	109	965
Cash-register	E. B. Parkhurst	755,385	Mar. 22	4250	940	109	978
Cash-register	S. H. Pocock	755,929	Mar. 29	5311	1172	109	1228
Cash-register	J. C. Vahjen	756,082	Mar. 29	5584	1233	109	1288
Cash-register	J. C. Vahjen	756,083	Mar. 29	5593	1234	109	1289
Cash-register	W. F. Davey	756,218	Apr. 5	50	12	109	1353
Cash-register	W. G. Powell	757,323	Apr. 12	2009	437	109	1787
Cash-register	A. Pfaff	759,467	May 10	1803	365	110	428
Cash-register	S. Rhoades	759,749	May 10	2344	488	110	546
Cash-register	C. G. Heyne	762,903	June 21	2568	557	110	2034
Cash-register	W. H. Muzzy	763,997	July 5	143	24, 25	111	37
Cash-register	E. H. Chapman	764,425	July 5	1055	215	111	234
Cash-register	T. Carney	764,559	July 12	1359	276	111	314
Cash-register	C. H. Smith and W. F. St. Clair	765,602	July 19	3394	715	111	770
Cash-register	J. H. McCormick	765,747	July 26	3711	791	111	849
Cash-register	T. Carroll	765,767	July 26	3744	799	111	855
Cash-register	W. H. Muzzy	766,646	Aug. 2	1081	216	111	1270
Cash-register	J. P. Cleal	766,875	Aug. 9	1545	323	111	1403
Cash-register	R. M. Watson and W. T. McGraw	767,366	Aug. 9	2493	521	111	1610
Cash-register	J. P. Cleal	768,587	Aug. 30	5044	1058	111	2233
Cash-register	W. H. Muzzy	771,202	Oct. 4	81	15	112	979
Cash-register	T. Carney	773,051	Oct. 25	3708	798	112	1817
Cash-register	T. Carroll	773,052	Oct. 25	3712	799	112	1818
Cash-register	T. Carroll	773,053	Oct. 25	3717	800	112	1819
Cash-register	T. Carroll	773,054	Oct. 25	3726	801	112	1821
Cash-register	J. P. Cleal	773,058	Oct. 25	3765	805	112	1831
Cash-register	J. P. Cleal	773,059	Oct. 25	3777	807	112	1834
Cash-register	J. P. Cleal	773,060	Oct. 25	3783	808	112	1836
Cash-register	G. S. Green	773,071	Oct. 25	3812	813	112	1842
Cash-register	J. L. Grobet	773,073	Oct. 25	3816	813	112	1844
Cash-register	C. Laurick	773,081	Oct. 25	3833	818	112	1848
Cash-register	W. H. Muzzy	773,090	Oct. 25	3847	821	112	1851
Cash-register	W. H. Muzzy	773,091	Oct. 25	3853	822	112	1852
Cash-register	F. J. Nutting	773,094	Oct. 25	3861	823	112	1854
Cash-register	F. C. Osborn	773,096	Oct. 25	3869	826	112	1856
Cash-register	J. W. See	773,102	Oct. 25	3910	827	112	1867
Cash-register	J. A. Werner	773,108	Oct. 25	3937	833	112	1875
Cash-register	H. B. Whitehouse	773,109	Oct. 25	3946	837	112	1876
Cash-register	F. J. Baker and G. P. Wolf	773,115	Oct. 25	3957	839	112	1878
Cash-register	W. F. Bockhoff and E. J. Von Pein	773,116	Oct. 25	3960	840	112	1879
Cash-register	A. Pfaff	773,158	Oct. 25	4060	841	112	1902
Cash-register	W. H. Muzzy	773,515	Oct. 25	4831	861	112	2070
Cash-register	W. H. Muzzy	775,087	Nov. 15	3049	647	113	721
Cash-register	W. H. Muzzy	775,088	Nov. 15	3056	648	113	722
Cash-register	W. F. St. Clair	775,198	Nov. 15	3287	649	113	775
Cash-register	A. von Hoffmann	777,341	Dec. 13	1721	381	113	1824
Cash-register	R. P. Thompson	777,982	Dec. 20	3035	668	113	2113
Cash register and indicator	J. P. Emory	750,272	Jan. 26	3441	742	108	815
Cash-register attachment	J. Schinneller	760,705	May 24	4227	743	110	999
Cash-register box	E. O. Bathen	761,135	May 31	5113	827	110	1207
Cash-register index-card holder	H. B. Whitehouse	771,289	Oct. 4	132	30	112	990
Cash-register locking device	C. C. Spengler	766,070	July 26	4332	928	111	982
Cash-register locking mechanism	W. H. Clark	773,056	Oct. 25	3739	802	112	1824
Cash-register printing mechanism	W. H. Clark	773,055	Oct. 25	3730	801	112	1822

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Div. 2.	Vol.	Page.
Cash-register signal.	W. F. Bockhoff.	760,724	May 24	4272	908	110	1008
Cash-register with distant indication.	W. H. Muzzy.	775,380	Nov. 22	3716	789	113	895
Cash-registers or adding-machines. Composing-disk for	J. Frydmane and L. Chambon.	765,573	July 19	3343	702 708	111	758
Cash registering and checking apparatus.	J. M. Carson.	753,235	Mar. 1	35	8 9 10	109	10
Cashier. Mechanical.	I. S. Dement.	755,279	Mar. 22	4089	885 896	109	931
Cashier. Mechanical.	I. S. Dement.	778,176	Dec. 20	3387	745 744 747	113	2189
Cashiers, registers, and recorders. Keyboard mechanism for mechanical	I. S. Dement and F. J. Hull.	757,601	Apr. 19	2788	610	109	1970
Cask bush or liner and means for attaching same	J. Ross and A. W. MacKenzie.	754,708	Mar. 15	3010	657	109	692
Cask-filter	G. Sanders.	748,638	Jan. 5	201	348	108	44
Casket	J. D. Ripson.	765,345	July 19	2900	605	111	664
Casket-cabinet draw-section	W. Thompson.	766,294	Aug. 2	317	64, 65	111	1111
Casket-catch	L. Greensides.	766,319	Nov. 20	5598	1186	113	1331
Casket-cover	J. De Long.	776,590	Dec. 6	47	11	113	1435
Casket-extension	J. A. Tabor and J. L. Murphy.	756,297	Apr. 5	21	43	109	1389
Casket-fastener. Sheet-metal	J. Maxwell.	759,737	May 10	2303	478	110	537
Casket-handle	J. McCarthy.	750,001	Jan. 19	2936	627	108	689
Casket-handle	J. McCarthy.	750,002	Jan. 19	2937	627	108	689
Casket. Hermetical	W. A. Warner.	749,763	Jan. 19	2485	529	108	591
Casket-holder	G. Arnold.	750,245	Jan. 26	3301	746	108	803
Casket-holder	G. F. Honold.	750,282	Jan. 26	3459	748	108	819
Casket. Sheet-metal	J. Maxwell.	759,728	May 10	2304	479	110	537
Cast-off	A. M. Ziegler.	748,908	Jan. 5	674	149	108	151
Caster	J. Etheridge.	751,489	Feb. 9	1302	398	108	1354
Caster	V. B. Sheffield.	753,408	Oct. 10	1705	345	110	406
Caster	P. B. Peterson.	759,912	May 17	2670	561	110	635
Caster	S. Döhl.	762,471	June 14	1686	363	110	1824
Caster	G. W. Smith.	763,214	June 21	3170	682	110	2169
Caster	C. H. McCauley.	770,532	Sept. 20	2659	563	112	633
Caster	F. F. Bischoff.	772,883	Oct. 18	3311	732	112	1712
Caster	K. Kaefer.	773,940	Nov. 1	832	113	113	189
Caster	Z. J. Quinn.	774,366	Nov. 8	1599	343	113	376
Caster	A. C. Stebbins.	775,594	Nov. 22	4175	880	113	998
Caster. Antifriction	G. E. R. Rothenbuecher.	762,657	June 14	2058	445	110	1904
Caster. Bedstead, &c.	A. B. Sheffield.	766,008	July 26	4330	928	111	981
Caster. Furniture.	J. Bornemann.	759,739	Feb. 2	33	7	108	1064
Caster. Furniture.	J. W. Kennedy.	759,984	Feb. 2	376	91	108	1141
Caster-horn	W. Livingstone.	751,663	Feb. 9	1620	368	108	1421
Caster-wheel	J. E. Wood.	732,742	Feb. 23	3717	829	108	1919
Caster-wheel	C. E. Myers.	759,300	May 10	2479	296	110	358
Caster-wheel	W. A. Henderson.	774,424	Nov. 8	1700	363	113	388
Casting and hardening of metal for armor-plates, &c. Direct	W. E. Everette.	774,167	Nov. 8	1239	113	297	
Casting apparatus	G. Stroh.	759,568	May 10	1995	408	110	472
Casting apparatus	G. Stroh.	759,569	May 10	1997	409	110	472
Casting apparatus	H. G. Underwood.	777,571	Dec. 13	2181	479	113	1923
Casting apparatus. Bar or rod	J. O. E. Trotz.	770,130	Sept. 13	1867	397	112	437
Casting-machine	J. Bijur.	757,720	Apr. 19	3019	656 657	109	2020
Casting machine. Metal.	E. Crossley.	760,523	May 24	3847	817	110	918
Casting machine. Rod.	C. F. Brooker.	756,325	Apr. 5	258	54	109	1399
Casting. Metal.	J. H. Forbes.	777,338	Dec. 13	1715	380	113	1823
Casting metals	C. S. Szekely, Sr.	772,440	Oct. 18	2486	967	112	154
Casting metals in vacuums. Apparatus for	W. B. Burrow.	758,842	Mar. 29	5142	1137	109	1192
Casting open-work structures. Apparatus for.	J. Bijur.	757,721	Apr. 19	3023	657 658 659	109	2021
Casting plant.	C. W. Sherman.	770,696	Dec. 6	458	109	113	1529
Casting spaces. Apparatus operated by a perforated band for	M. Wehrin.	705,057	July 12	2356	488 489	111	529
Castings. Apparatus for making	W. T. James.	758,660	May 3	103	21, 22	110	27
Castings. Molding metal	G. Stroh.	755,722	Mar. 29	4893	1089	109	1134
Castings. Mold for making brass	T. F. Frisoe and J. E. Gilbert.	772,712	Oct. 18	3030	113	1651	
Castings, &c. Repairing	J. H. Gravell.	773,170	Nov. 15	3228	691	113	761
Castrating-tool.	F. Starr.	768,826	Aug. 30	5530	1163	111	2340
Catamenial appliance	H. E. Scott.	778,077	Dec. 20	3210	706	113	2150
Catamenial pad	J. L. Minges.	768,861	Aug. 30	5600	1177	111	2357
Catamenial sack	T. E. Clarke.	765,074	July 12	2303	478	111	536
Catapult	L. G. Clark.	734,745	Mar. 15	3066	669	109	705
Catcher. Automatic	A. J. Maskrey.	763,192	June 21	3131	672 673	110	2160
Catheter	I. F. Kepler.	761,235	May 31	5310	1127	110	1290
Cattle-guard	F. J. Campbell.	749,024	Jan. 5	940	109	108	218
Cattle-guard	P. P. Brannon.	751,373	Feb. 2	1111	251	108	1294
Cattle-guard	J. Snieder.	751,957	Feb. 9	2197	495	108	1547
Cattle-guard	A. B. Lawson.	752,294	Feb. 16	2846	631	108	1711
Cattle-guard	T. J. Baile and S. Anderson.	753,220	Mar. 1	7	2	109	4
Cattle-guard	J. Clarke.	759,156	May 8	1117	926	110	254
Cattle-guard	W. Houghton.	761,074	May 31	4996	1060	110	1181
Cattle-guard	S. A. and H. W. Armstrong.	764,514	July 5	1244	255	111	272
Cattle-guard	H. Hamel.	765,704	July 26	3613	768	111	831
Cattle-guard	W. W. Carden.	771,708	Oct. 4	957	214	112	1164
Cattle-guard	L. R. Scott.	771,838	Oct. 11	1223	271 272	112	1235
Cattle-guard	S. H. Summerscales.	772,754	Oct. 18	3122	680	112	1669

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Cattle-guard	W. Dobler	773,379	Oct. 25	4520	1956	112	2002
Cattle-guard	F. Bartlett	774,130	Nov. 1	1171	1957	113	265
Cattle-guard	J. F. and F. H. Woodin	775,231	Nov. 15	3404	717	113	808
Cattle-guard	J. A. Ferriell	778,235	Dec. 27	3502	770	113	2331
Cattle. Nose-check for	S. G. Holloway	773,643	Nov. 1	206	45	113	50
Caulery. Burner and mixer for	J. P. Müller	767,231	Aug. 9	2257	470	111	1559
Ceiling constructions. Manufactured plate for	W. Gutzeit	756,015	Mar. 20	5477	1305	109	1265
Ceiling-plate	J. R. Drozeski	756,473	Apr. 5	579	121	109	1464
Cell-case	H. Selsor	748,663	Jan. 5	210	50	108	46
Celluloid	I. Kitsee	767,646	Aug. 16	3065	640	111	1756
Celluloid compound.	A. Schmidt	758,335	Apr. 26	4257	109	113	2311
Cellulose acetate.	W. H. Walker	774,713	Nov. 8	2251	113	515	
Cellulose acetate.	W. H. Walker	774,714	Nov. 8	2252	113	516	
Cellulose. Converting wood	M. F. Ewen and G. H. Tomlinson	763,472	June 28	3698	798	110	2305
Cellulose. Dissolving nitrated	I. Kitsee	767,943	Aug. 16	3631	111	1870	
Cellulose. Dissolving nitrated	I. Kitsee	767,944	Aug. 16	3632	111	1879	
Cellulose. Manufacture of	C. Kellner	773,941	Nov. 1	823	113	180	
Cellulose. Production of amorphous	I. Kitsee	767,822	Aug. 16	3398	111	1828	
Cement	A. Lamanna	772,523	Oct. 18	2657	112	1570	
Cement	F. Suter	774,290	Nov. 8	1456	113	344	
Cement. Apparatus for the manufacture of slag.	C. Gramm	757,435	Apr. 12	1659	359	109	1711
Cement. Asphalt paving	F. J. Warren	769,123	Aug. 30	6123	111	2473	
Cement-block-making machine	W. F. Peeler	762,937	June 21	2643	573	110	2051
Cement-block mold	W. G. Park	753,303	Mar. 1	164	37	109	38
Cement-block mold	M. H. Johnson	776,516	Dec. 6	78	19	113	1442
Cement-block-molding machine	Z. Fielder	773,137	Oct. 25	4021	832	112	1838
Cement blocks or slabs. Apparatus for the manufacture of	W. A. C. Waller	778,344	Dec. 27	3738	815	113	2251
Cement-brick machine	J. D. Luttrell and W. C. Cantrell	760,888	May 24	4586	1978	110	1076
Cement-brick-making machine	O. Staley and J. A. Johnson	762,007	June 7	767	156	110	1605
Cement-brick-making machine	O. Staley	772,635	Oct. 18	2865	629	112	1615
Cement-building-block-molding press	I. P. Hyer	776,846	Dec. 6	778	169	113	1507
Cement. Burning	M. Williams	775,603	Nov. 23	4395	927	113	1045
Cement-can	W. W. Hall	758,966	May 3	768	153	110	178
Cement. Carborundo	L. E., dit L. d'E. Muller	770,730	Sept. 20	3026	112	715	
Cement clinker, &c. Apparatus for burning Portland-	T. A. Edison	759,357	May 10	1606	323	110	383
Cement clinker, &c. Burning Portland-	T. A. Edison	759,356	May 10	1603	322	110	338
Cement composition. Magnesia	E. Bidtel	757,252	Apr. 12	2603	979	109	1799
Cement composition. Magnesia	H. Mielck	764,250	July 5	688	111	153	
Cement. Composition of matter for	A. L. Ginter	763,746	June 28	4212	110	2415	
Cement derived from ashes and making same	M. W. Marsden	763,685	June 28	4206	110	2387	
Cement floors or concrete. Bar for strengthening	J. F. Golding	758,061	Apr. 26	3716	807	109	2150
Cement-furnace	J. Sheneman	755,497	Mar. 29	5352	1181	109	1237
Cement-grinding mills. Air-separator for	H. Hitzel	778,452	Dec. 27	3961	862	113	2329
Cement-kiln	F. M. Haldeman	769,742	Sept. 13	1151	248	112	279
Cement-kiln-cleaning machine	C. J. Van Doren	757,522	Apr. 19	2628	575	109	983
Cement-kiln. Rotary	T. A. Edison	755,600	Nov. 22	4206	885	113	1005
Cement-kiln. Rotary	G. H. Sharp	778,611	Dec. 27	4263	929	113	2394
Cement. Making hydraulic	F. W. Brown	769,467	Sept. 6	651	112	148	
Cement. Making white	E. Gogler	774,840	Nov. 15	2560	113	605	
Cement. Manufacture of acid-proof and impermeable	R. Liebold	771,060	Sept. 27	3738	112	890	
Cement. Manufacturing	G. Sr., and G. Geissler, Jr.	764,453	July 5	1113	111	246	
Cement. Manufacturing hydraulic	J. Gresly	748,943	Jan. 5	757	112	985	
Cement. Manufacturing material designed for the production of	P. Steenbock	771,183	Sept. 27	3945	112	172	
Cement. Manufacturing vitreous	P. Steenbock	771,184	Sept. 27	3946	112	935	
Cement-mold	R. B. Coltrin	757,063	Apr. 12	1734	381	109	1732
Cement-molding apparatus	R. B. Coltrin	757,064	Apr. 12	1757	382	109	1732
Cement or cementitious materials. Making products of	W. E. Jaques	764,361	July 5	929	189	111	205
Cement or cementitious products. Machine for making	W. E. Jaques	766,260	Aug. 2	250	48	111	1095
Cement-pipe-making apparatus	F. M. Rozier	765,930	July 26	4078	871	111	928
Cement-plate press	L. Streuli	755,253	Mar. 22	3992	885	109	921
Cement post	F. A. Sicklesteel and C. W. Ballard	758,707	May 8	205	42	110	48
Cement post	L. H. Stoner	762,008	June 7	770	137	110	1606
Cement post	C. L. and J. H. Catherman	768,112	Aug. 23	4063	856	111	1997
Cement posts. Making	L. H. Stoner	775,095	Nov. 15	3071	652	113	725
Cement-testing machine	A. W. Cash	771,123	Sept. 27	3923	808	112	910
Cement to stock. Machine for applying	G. L. Rollins	762,254	June 7	1212	200	110	1703
Cement-work tool	G. L. Rollins. (Reissue)	12,248	May 26	4531	969	111	1025
Cements. Maturing Portland or other hydraulic	O. M. Jumper	775,110	Nov. 15	3097	658	113	731
Cementing cloth, wood, leather, &c. Composition for	H. A. Gerdes	753,385	Mar. 1	304	109	69	
Cementing machine	C. Ellis	778,223	Dec. 27	3500	113	2321	
Cementing-machine	W. A. Knipe	754,074	Mar. 8	1697	377	109	391
Cementing-machine	F. M. Wade	773,607	Nov. 1	136	29	113	36
Cementing material and making same	T. W. Cappon	757,883	Apr. 19	3388	109	2090	
Cementitious products or artificial stone. Making	W. E. Jaques	748,611	Jan. 5	92	36	108	23
Center-fire back-engine	R. A. Morton	772,169	Oct. 11	1804	400	112	1361
Centering-machine controller or stop-bar	L. H. Vold	749,243	Jan. 12	1408	302	108	943
Centering mechanism	J. S. Bancroft	749,149	Jan. 12	1209	259	108	297

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Centering-support.	G. H. Kunneke	751,181	Feb. 2	741	170	108	1216
Centering-support. Extensible.	G. B. Waite	770,617	Sept. 20	2811	597	112	668
Centering-support. Extensible.	G. B. Waite	770,618	Sept. 20	2813	598	112	668
Centerboard.	C. B. Wainwright	761,115	May 31	5080	1079	110	1199
Central energy system.	W. M. Kelly and G. E. Truxell	767,284	Aug. 9	2346	491	111	1578
Centrifugal apparatus.	A. Liedbeck	750,668	Jan. 26	4175	905	108	972
Centrifugal apparatus.	E. Seger	760,261	May 17	3351	705	110	788
Centrifugal elevator.	J. K. Sharpe, Jr.	755,401	Mar. 22	4277	945	109	984
Centrifugal machine.	M. de Marchéville	749,623	Jan. 12	2179	457	108	508
Centrifugal machine.	J. J. Berrigan	750,079	Jan. 19	3086	664	108	719
Centrifugal machine.	J. J. Berrigan	750,080	Jan. 19	3088	664	108	719
Centrifugal machine.	H. de Raasloff	750,698	Jan. 26	4230	918	108	984
Centrifugal machine.	J. W. Macfarlane	752,572	Feb. 16	3370	751	108	1826
Centrifugal machine.	J. H. Ostrander.	754,796	Mar. 15	3166	689	109	725
Centrifugal machine.	J. W. Macfarlane	758,457	Apr. 26	4486	964	109	2362
Centrifugal machine.	G. Pott and R. Williamson	770,385	Sept. 20	3383	503	112	573
Centrifugal machine.	T. S. Patterson	773,320	Oct. 25	4210	891	112	1935
Centrifugal machine.	A. J. Ericsson	773,489	Oct. 25	4758	1004	112	2052
Centrifugal machine.	J. J. Berrigan	774,821	Nov. 15	2510	541	113	595
Centrifugal machine.	A. C. Van Kirk	775,320	Nov. 22	3368	738	113	867
Centrifugal machine.	B. Cohnen	776,295	Nov. 29	5559	1178	113	1322
Centrifugal machine.	S. R. Kennedy	776,745	Dec. 6	563	123	113	1551
Centrifugal machine.	T. B. Freas	778,355	Dec. 27	3756	819	113	2284
Centrifugal machine.	J. C. Morrison	778,458	Dec. 27	3977	865	113	2333
Centrifugal-machine basket.	E. C. Küchenmeister	748,756	Jan. 5	374	85	108	83
Centrifugal machine. Electrically-driven.	H. G. Morris	747,771	Jan. 5	401	92	108	89
Centrifugal machine. Water-driven.	J. W. Macfarlane.	753,155	Feb. 23	4525	1009	108	2099
Centrifugal screen.	C. E. Dulin	756,342	Apr. 5	299	62	109	1407
Centrifugal separator.	P. L. Kimball	751,178	Feb. 2	735	169	108	1215
Centrifugal separator.	C. A. Eck	762,624	June 14	1994	431	110	1890
Centrifugal separator.	H. McCornack	766,837	Aug. 9	1479	310	111	1389
Centrifugal separator.	F. B. Pettengill.	774,104	Nov. 1	1133	241	113	257
Centrifugal separator.	J. J. Berrigan	775,415	Nov. 22	3794	802	113	915
Centrifugal switch.	H. G. Reist	771,269	Oct. 4	96	21	112	982
Ceramic articles. Manufacturing reinforced.	J. Dansette	765,358	July 19	2921	11	111	668
Cereal product.	A. P. Anderson	766,212	Aug. 2	320	22	111	1067
Certificate of deposit.	A. W. Moore	763,773	June 28	4269	930	110	2427
Cervical director.	C. W. McDade	762,743	June 14	3239	486	110	1941
Chafe-iron. Roller	T. H. Brady	763,715	June 28	4156	905	110	2402
Chafing-dish-lamp shutter.	H. C. Wright	764,969	July 12	2199	455	111	497
Chain.	J. Dupuis.	756,481	Apr. 5	581	121	109	1464
Chain.	J. M. Dodge	761,034	May 24	4915	1041	110	1144
Chain.	J. M. Dodge	761,035	May 24	4917	1042	110	1144
Chain.	J. M. Dodge	761,036	May 24	4918	1042	110	1144
Chain.	J. M. Dodge	761,037	May 24	4920	1042	110	1145
Chain.	C. W. Levalley	764,246	July 5	680	138	111	152
Chain.	C. A. Mann	774,768	Nov. 15	2402	518	113	571
Chain and wheel. Drive.	S. F. Clouser	772,500	Oct. 18	2617	576	112	1561
Chain. Belt.	E. Magaldi.	756,866	Apr. 12	1299	290	109	1636
Chain-clamp.	H. Huha	762,060	June 7	862	177	110	1624
Chain-connecting device.	E. C. Smith	775,835	Nov. 22	3671	779	113	887
Chain. Conveyor.	D. E. Phillips	765,990	July 26	4179	892	111	950
Chain coupling.	G. S. Zepp.	767,095	Aug. 9	1986	413	111	1502
Chain. Detachable-link.	C. G. Hampton	758,918	May 3	663	134	110	157
Chain. Detachable-link.	A. D. Morris	762,335	June 14	1308	302	110	1763
Chain-dog extractor.	O. Tauber	760,041	May 17	2823	61	110	692
Chain. Drive.	C. G. A. Schmidt, Jr.	755,707	Mar. 29	4854	1079	109	1126
Chain. Drive.	E. F. Morse	757,762	Apr. 19	3109	677	109	2039
Chain. Drive.	W. H. Gates	762,045	June 7	833	171	110	1617
Chain. Drive.	W. H. Gates	762,046	June 7	834	171	110	1618
Chain. Drive.	L. Schildknecht	764,901	July 12	2070	427	111	469
Chain. Drive.	C. E. Whitney	769,971	Sept. 13	1583	337	112	373
Chain. Drive.	J. M. Dodge	771,721	Oct. 4	979	218	112	1168
Chain. Extensible.	E. C. Gipe	771,873	Oct. 11	1308	295	112	1253
Chain hook. Watch.	J. A. Bartlett	764,909	July 12	2085	431	111	473
Chain. Jack.	J. M. Butcher	774,231	Nov. 8	1352	288	113	322
Chain. Link.	E. A. Uehling	752,727	Feb. 23	3694	834	108	1914
Chain-link.	W. J. Ball and R. Cole	759,539	Apr. 5	717	155	109	1484
Chain-link. Split.	W. E. Williams	758,803	May 3	444	89	110	109
Chain-links. Machine for cutting out sheet-metal blanks for	W. J. Laughlin.	774,189	Nov. 8	1280	271	113	306
Chain. Machine for making sheet-metal	F. Egge.	757,028	Apr. 12	1630	354	109	1704
Chain-making machine.	S. B. Martin and D. C. Trott.	773,212	Oct. 25	4194	887	112	1932
Chain-molding machine.	C. Mills.	765,762	July 26	3805	810	111	867
Chain. Pitch.	F. Ley	764,298	July 5	791	159	111	172
Chain-tightener.	F. Jackson	752,074	Feb. 16	2427	543	108	1616
Chain wrench.	J. M. Reams	768,146	Aug. 23	4125	868	111	1201

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Chain wrench	G. Amborn	769,043	Aug. 30	5971	1251	111	2442
Chain wrench	G. W. Balford	769,054	Aug. 30	5984	1256	111	2446
Chain wrench	G. J. Meyer	771,915	Oct. 11	1391	316	112	1570
Chain wrench, Double-acting	W. H. Downing	750,440	Jan. 26	3752	815	108	885
Chair:							
<i>See Aisle</i> -converting	Knockdown chair.						
chair.	Reclining chair.						
Barber's chair.	Rocking chair.						
Bicycle chair.	Scaffold chair.						
Car chair.	Shoe-polishing chair.						
Coliseum chair.	Spring-back chair.						
Collapsible chair.	Surgical chair.						
Combina tional	Telephone chair.						
chair.	Theater chair.						
Convertible chair.	Toilet chair.						
Dental chair.	Type-writer's chair.						
Dental or surgical	Window chair.						
chair.	Window-cleaning chair.						
Folding chair.							
Chair.	G. F. Clingman	751,463	Feb. 9	1253	287	108	1342
Chair.	H. W. Bolens	752,751	Feb. 23	3732	832	108	1922
Chair.	C. Arnold	759,059	May 3	934	189	110	213
Chair.	H. F. Cook	759,656	May 10	2210	455	110	516
Chair.	W. A. Busse	762,512	June 14	1764	377	110	1841
Chair.	F. Bennett	763,656	June 28	4029	879	110	2374
Chair.	E. H. C. Armstrong	766,484	Aug. 2	704	148	111	1194
Chair.	H. H. Franklin	771,621	Oct. 4	794	177	112	1128
Chair.	F. J. Hollis	773,255	Oct. 25	4372	908	112	1349
Chair.	C. E. Whipple	776,976	Dec. 6	1029	221	113	1656
Chair.	F. De Fontes	777,941	Dec. 20	2950	648	113	2097
Chair and bedstead, Combined.	E. Lindgren	759,897	May 17	2639	553	110	627
Chair-back, Adjustable.	C. O. Roberts	768,311	Aug. 23	4447	984	111	2080
Chair-backs, Adjustment for type-writer or other	J. F. Yoho	764,287	July 5	755	154	111	167
Chair-bottom-weaving tool.	H. C. Dear	777,608	Dec. 13	2261	497	113	1939
Chair-brace	R. E. Mock	759,243	Feb. 16	2734	606	108	1087
Chair electric attachment, Rocking.	G. M. Allen and S. M. Cawker	759,148	May 3	1098	223	110	259
Chair fan attachment, Rocking.	W. G. Langdale and R. J. Nowlin	753,148	Feb. 23	4513	1006	108	2036
Chair fan or mirror attachment, Rocking.	J. F. Yoho	757,857	Apr. 19	3291	713	109	2079
Chair foot-rest.	G. A. Bowen	749,524	Jan. 12	2015	418	108	471
Chair foot-rest.	G. W. Archer	777,766	Dec. 20	2549	564	113	2078
Chair foot-rest.	S. B. Saffell	778,074	Dec. 20	3204	705	113	2149
Chair head-rest.	F. De Fontes	774,133	Nov. 1	1176	251	113	266
Chair head-rest, Shaving.	C. E. Haeg	749,184	Jan. 12	1291	278	108	516
Chair-iron, Sheet-metal	H. W. Bolens and C. J. Travers	755,560	Mar. 22	4547	1012	109	1040
Chair-iron, Spring steel	A. White	764,695	July 12	1644	335	111	375
Chair or sofa and couch, Combined.	J. A. Walsburger	778,290	Dec. 27	3630	792	113	2259
Chair ratchet, Automatic reclining.	A. Pavlish	777,745	Dec. 20	2507	553	113	2009
Chair-rungs, &c. Device for holding	A. N. Webb	751,765	Feb. 9	1315	414	108	1460
Chair-seat cover	L. Lippert	770,973	Sept. 27	3519	742	112	844
Chair-seat sections, &c. Joint for	J. B. Hough	754,067	Mar. 8	1085	374	109	388
Chair-seat spider	J. M. Germanson	756,955	Apr. 12	1472	325	109	1672
Chair wardrobe attachment.	H. A. Dodge	751,151	Feb. 2	674	154	108	1208
Chairs, &c. Adjustment for Morris	W. P. Seng	770,385	Sept. 20	2907	507	112	577
Chairs, Rubber-and-metal-cap tip for.	S. Garrett	751,160	Feb. 2	689	158	108	1206
Chairs, &c. Spring for rocking.	M. C. Bruce	762,381	June 14	1481	323	110	1780
Chairs, Tool for operating upon	G. Dillman	765,613	July 19	3414	719	111	774
Chalk-holder	E. Johanson	763,060	June 21	2987	620	110	2101
Chalk-holder	A. Links and B. Kraus	777,232	Dec. 13	2067	455	113	1898
Chalk holder and sharpener, Combined.	B. Kraus and A. Links	777,346	Dec. 13	1736	394	113	1827
Chalk-line reel	W. H. De Roseau	766,996	Aug. 9	1677	352	111	1434
Chalking device, Line.	J. F. McCormick	754,157	Mar. 8	1854	413	109	426
Chalking device, Line.	F. M. Thompson	754,827	Mar. 15	3221	701	109	738
Chamber vessels, Cover for earthen	W. C. Miles	763,088	Feb. 16	2448	548	108	1020
Chandelier	E. Witzennann	753,163	Apr. 26	3993	845	109	2232
Chandelier, Extensible.	W. H. Kerr	753,141	Feb. 23	4503	1008	108	2094
Change-maker	C. C. Spengler	766,001	July 26	4205	897	111	955
Change-maker	W. W. Roblyer	771,326	Oct. 4	209	46,47	112	1006
Change-maker	W. Johnson	771,643	Oct. 4	833	187	112	1137
Channel-cutter	W. H. Sipe and J. Grabowski	769,191	Sept. 6	103	26	112	84
Charging-hopper	B. Boulger	773,919	Nov. 1	781	163	113	179
Charm.	L. E. Hachereille	778,573	Sept. 20	2734	579	111	1825
Charring wood refuse, &c. Apparatus for	W. A. G. von Heidenstam	777,415	Dec. 13	1864	411	113	1825
Chart, Dioptrical	W. W. Martin	754,663	Mar. 15	2908	635	109	607
Chart, Dress.	J. Ulrich	765,691	July 26	3591	763	111	826
Chart, Foldable and portable	J. E. Hosmer	776,181	Nov. 29	5349	1131	113	1375
Chart for business-exchanges, Indicator.	A. J. Delavigne	771,131	Sept. 27	3835	810	112	913
Chart or pattern for crochet-work	E. C. Faust	748,939	Jan. 5	747	162	108	170
Chart, Pattern.	M. E. Northen	761,901	June 7	582	116	110	1569
Chart, Skirt.	L. Davis	753,680	Mar. 1	890	202	109	138
Chateleine	R. R. Debacher	748,446	Jan. 5	555	127	108	126
Chateleine-bag	A. Eppie	764,307	Mar. 8	1953	435	109	447
Chateleine, Watch.	B. Boulger	763,097	June 21	2939	633	110	2115
Check and release mechanism, Automatic	J. D. Wright	757,381	Apr. 12	2340	510	109	1856
Check, Bank.	J. W. Amrath	773,701	Nov. 1	823	71	113	78
Check-canceling press	A. Dietze	769,733	June 28	4186	912	110	2408
Check-controlled apparatus	Y. Q. Caldwell and L. M. Martin	773,823	Mar. 1	1215	274	109	261
Check-controlled apparatus	F. B. Townsend	772,977	Oct. 25	3551	769	112	1784
Check-controlled apparatus	A. Satterfield	772,923	Dec. 20	2913	641	113	2059
Check distributor, Individual	J. T. Hicks	770,551	Sept. 20	2745	582	112	659
Check, draft, &c. Bank	D. D. Field	756,611	Apr. 7	797	173	109	1511
Check-holder	R. A. Lachmann	762,916	June 21	2601	563	110	2042

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Check-holder and match-plate. Combined	M. J. Bevans	772,205	Oct. 11	2907	442	112	1406
Check-holder. Miner's	D. P. Adams	752,638	Feb. 23	3527	785	108	1877
Check-hook	C. Heilrath and S. M. Taber	757,304	Apr. 12	2174	476	109	1823
Check-hook	F. F. Hodges	766,552	Aug. 2	423	60	113	1134
Check-hook	C. L. Hoefel	776,909	Dec. 6	89	193	113	1624
Check-lock	S. Stewart	752,018	Feb. 9	2329	521	108	1575
Check. Non-erasable.	B. Franklin, Jr., and N. E. Sage	778,026	Dec. 20	3117	685	113	2130
Check, record-book, and binder. Bank	M. A. Howe	775,821	Nov. 22	4633	962	113	1096
Check-row chain	H. W. Warren	777,458	Dec. 13	1940	429	113	1872
Check, spreader, and pilot-light device. Combination	M. D. Compton	752,093	Feb. 16	2360	528	108	1600
Check. Traveler's certified bank	S. D. Scudder	777,149	Dec. 13	1362	300	113	1745
Check. Voucher	J. F. Fabian	753,480	Mar. 1	480	112	109	105
Checks. Detachable cover for bank	E. C. Deans	750,826	Feb. 2	77	17	108	1074
Checks, &c. Device for preventing fraudulent raising of	L. Smith	777,517	Nov. 1	529	116	113	123
Checks. Lock-stub for sale	R. Woodman	760,718	May 24	4250	903	110	1004
Checks. System of protecting bank	S. M. and M. L. Trapp	774,345	Nov. 8	1567	335	113	369
Checking apparatus. Sales	R. B. Stanley	767,719	Aug. 16	3184	667	111	1733
Checking or unchecking device	A. E. Fisher	749,490	Jan. 12	1193	401	108	454
Checking the output of machinery. Apparatus for	J. Lenot	749,305	Jan. 12	1546	328	108	371
Checkrein	W. H. Fuller	749,929	Jan. 19	2807	599	108	662
Checkrein	J. R. Griffith	773,637	Nov. 1	198	43	113	48
Checkrein attachment	J. A. Clary	757,062	Apr. 12	1753	381	109	1732
Checkrein attachment	W. M. Wright	766,092	July 26	4391	940	111	995
Checkrein guide-loop	E. Van Dyck	776,369	Nov. 29	5697	1246	113	1356
Checkrein-hook	W. H. Gonne	773,141	Oct. 25	4027	854	112	1894
Checkrein-loop	J. C. Averill	770,449	Sept. 20	2492	529	112	596
Cheek-distender	J. G. Crockett	776,302	Nov. 29	5568	1180	113	1325
Cheek-plumper	C. L. Mayes	766,267	Aug. 2	449	95	111	1130
Cheese-box	C. and F. P. Smith	761,552	May 31	3895	1263	110	1379
Cheese-cutter	O. W. Smith	752,006	Feb. 9	2310	516	108	1571
Cheese-cutter	L. Huijbregtse	756,499	Apr. 5	610	132	109	1471
Cheese-cutter	G. W. Martin	769,827	Sept. 13	1319	281	112	318
Cheese-cutter	E. L. Zeizer, C. H. Hensley, and G. P. Louiso.	770,524	Sept. 20	2644	560	112	630
Cheese-cutter	C. G. Strubler	771,843	Oct. 11	1230	273	112	1237
Cheese-cutter	M. W. Miracle	773,087	Oct. 25	3842	820	112	1850
Cheese-cutter	B. Blood	776,168	Nov. 29	5328	1126	113	1270
Cheese-cutter	R. P. King	777,540	Dec. 13	2321	510	113	1032
Cheese-cutting apparatus	P. S. McCroskey	757,335	Apr. 12	2249	490	109	1838
Cheese-cutting machine	M. Foran	769,909	Sept. 13	1650	349	112	390
Cheese-gage	W. H. Frank	762,161	June 7	1041	219	110	1605
Cheese-gage	W. H. Frank	770,050	Sept. 13	1743	363	112	410
Cheese-holder	I. L. Eklund	750,756	Jan. 26	4383	947	108	1021
Cheese-hoop	J. R. Meyers	765,982	July 26	4165	889	111	947
Cheese. Manufacture of Roquefort	J. A. Trillat	770,030	Sept. 13	1695	—	112	400
Cheese mold or hoop	J. H. Meyers	765,361	July 26	4162	889	111	947
Chemical changes. Effecting	J. H. C. Jones	750,068	Jan. 19	3123	671	108	237
Chemical compounds. Producing	J. J. Griffin	757,036	Apr. 12	1260	359	109	1711
Chest-protector	C. Uebel	768,815	June 28	4353	946	110	2443
Child-carrying device	T. O. Turnbull	755,554	Mar. 22	4539	1010	109	1039
Child's safety-harness	A. Wells	758,123	Apr. 26	3826	830	109	2216
Chill	J. W. Fuller, Jr.	749,928	Jan. 19	2807	599	108	662
Chill	J. R. Whitney	776,578	Dec. 6	224	50	113	1473
Chilli-roaster	S. E. Knapp and E. C. Ortega	766,505	Aug. 2	741	154	111	1202
Chimney	P. Dickinson	758,510	Apr. 26	4592	987	109	2387
Chimney	J. Lorenz	761,394	June 7	369	113	110	1567
Chimney-base protector	G. W. Lewis	774,568	Nov. 8	1401	329	113	333
Chimney canopy-top	G. H. Huse	760,902	May 24	4796	1020	110	1120
Chimney-cap	G. F. Smith	760,265	May 17	3856	706	110	789
Chimney-cap construction	J. W. Belcher	766,487	Aug. 2	709	144	111	1195
Chimney-cleaner	M. Wessauer	764,265	July 5	713	144	111	158
Chimney-cowl	B. S. Whittton	759,789	May 10	2435	510	110	567
Chimney-cowl	B. A. Warlick	760,092	May 17	3025	631	110	716
Chimney-cowl	P. A. Sheley	778,554	Dec. 27	4147	903	113	2370
Chimney. Mica	J. G. Warren	765,528	July 19	3254	683	111	741
Chimney soot-collector	C. Prangeniet	775,320	Nov. 23	3968	838	113	952
Chimney-top	F. Hayden	751,912	Feb. 9	2108	476	108	1528
Chin-support	R. Schlegelmilch	766,735	Aug. 2	1223	259	111	1312
Chipping-machine	S. N. Hiser	771,982	Oct. 11	1538	345	112	1301
Chisel	F. B. Philbrick	775,382	Nov. 23	3722	793	113	897
Chloral. Continuously producing and rectifying	F. E. Norton	751,403	Feb. 2	1158	264	108	1364
Chloroform and making same. Chloral-acetone.	J. A. Besson	774,151	Nov. 8	1208	258	113	200
Chloroform. Making	C. F. Schaerger	778,277	Dec. 27	3604	—	113	2253
Chock-block. Adjustable	A. W. Smith	753,325	Mar. 1	203	—	109	47
Chocolate-cooling mechanism	J. G. Chennethy	751,366	Feb. 2	1101	249	108	1291
Chocolate-cream eggs. Dipping-frame for	E. W. Mull	753,636	Feb. 16	3550	783	108	1858
Chopper	J. Baessler	762,978	June 21	2704	587	110	2065
See Cotton-chopper. Meat-chopper.							
Food-chopper. Plant-chopper.							
Chopping-block. Butcher's	J. T. Nichols	747,488	Apr. 19	2556	561	109	1917
Chopping device	H. Breitstein	759,357	Jan. 12	1649	351	108	397
Christmas-tree candle-holder	H. G. Hess	757,869	Apr. 19	3309	717	109	2083
Christmas-tree candle-holder	H. G. Hess	778,581	Dec. 27	4206	917	113	2382
Christmas-tree holder and display-stand	J. A. Ronpel	763,856	June 28	4425	963	110	2459
Chromium. Making metallic	A. K. Eaton	753,424	May 10	1731	400	113	429
Chronological monitor for use with coin-controlled or other machines.	F. P. Gorin	766,995	Aug. 9	1779	373	111	1456
Chrysazin. Making	R. E. Schmidt and P. Tust	765,637	July 19	3459	—	111	782

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Chuck	O. S. Rockwell and S. E. Horton	755,245	Mar. 22	3980	883	109	919
Chuck	C. E. Moss	737,351	Apr. 19	2710	1582	109	1531
Chuck	G. R. Rich	703,736	June 28	4314	938	110	2435
Chuck	A. A. North	708,396	Aug. 23	4643	972	111	2131
Chuck	G. R. Rich	772,334	Oct. 18	2673	587	112	1574
Chuck	A. D. Leblanc	776,603	Dec. 6	269	59, 60	113	1489
Chuck and rotating device. Combined rock-drill	G. H. Gilman	771,218	Sept. 27	4002	845	112	947
Chuck. Disk	J. L. Johnson	753,275	Mar. 1	112	27	109	97
Chuck. Drill	W. H. Saunders	751,345	Feb. 2	1061	241	108	1284
Chuck. Drill	E. R. Smith	755,322	Mar. 22	4136	912	109	948
Chuck. Drill	T. E. O'Brien	762,650	June 14	3046	442	110	1901
Chuck. Drill	C. W. Sargent	766,738	Aug. 2	1921	258	111	1312
Chuck. Drill	E. H. Byer	767,261	Aug. 9	2303	482	111	1570
Chuck. Drill	C. R. Pascucillo	769,956	Sept. 13	1559	332	112	368
Chuck. Drill	G. H. Gilman	771,626	Oct. 4	802	179	112	1131
Chuck for holding articles to be dressed	P. Krastin and W. S. Quigley	777,111	Dec. 13	1294	286	113	730
Chuck for holding sockets	J. E. Baines	761,348	May 31	5526	1178	110	1295
Chuck for refinishing staff-pivots	C. Culman	760,314	May 17	3445	726	110	809
Chuck. Lathe	F. R. Iman	749,794	Jan. 19	2544	541	108	604
Chuck. Lathe	C. W. Barnaby	767,678	Aug. 16	3117	651	111	1767
Chuck. Lathe and drill	G. M. Mowat	772,737	Oct. 18	3036	673	112	1683
Chuck. Magnetic	C. W. Sponsel	766,201	Aug. 2	104	19	111	1054
Chuck. Milling	J. and W. R. Thomas	764,316	July 5	807	165	111	178
Chuck. Milling	J. and W. R. Thomas	774,616	Nov. 8	2061	450	113	473
Chuck. Rock-drilling-machine	L. Leigh, Jr.	751,311	Feb. 9	1355	1232	108	1232
Chuck. Rock-drilling-machine	J. Hodges	752,972	Feb. 23	4042	936	108	2328
Chuck. Rock-drilling-machine	W. E. Kimber	756,377	Apr. 5	381	78	109	1425
Chuck. Stay-bolt	B. S. Dustin	770,741	Sept. 27	3050	649	112	738
Chucking device	W. L. Abate	771,111	Sept. 27	3705	801	112	904
Chucking machinery	C. Prouty	753,430	Mar. 1	337	98, 99	108	87
Chuck-delivering apparatus	F. E. Forster	758,434	Apr. 26	4448	957	109	2357
Churn	J. S. Lindquist	750,380	Jan. 26	3638	790	108	800
Churn	W. G. Radcliffe	751,203	Feb. 2	780	178	108	1224
Churn	H. A. Bierley	751,371	Feb. 2	1108	251	108	1203
Churn	W. P. Kirkpatrick	751,520	Feb. 9	1355	309	108	1306
Churn	J. D. Metcalf	754,883	Mar. 15	3326	726	109	701
Churn	W. L. Goodwin	758,641	May 3	70	14	110	20
Churn	W. A. Cross	758,737	May 3	319	63	110	80
Churn	J. W. Newton	760,699	May 24	4214	895	110	996
Churn	A. C. Willis	761,121	May 31	5087	1080	110	1201
Churn	C. Y. Roberts	763,636	June 28	3988	869	110	2365
Churn	S. C. Lavender	763,769	June 28	4246	925	110	2423
Churn	C. Sailor	764,075	July 5	330	64	111	72
Churn	E. P. Noord	764,147	July 5	467	94	111	101
Churn	J. Hirschenfeld	764,846	July 12	1954	404	111	444
Churn	C. Pullen	765,710	July 26	3624	771	111	833
Churn	W. Smith	768,633	Aug. 30	5185	1079	111	2254
Churn	C. A. Janson	768,751	Aug. 30	5375	1132	111	2307
Churn	A. M. Smithley	768,856	Aug. 30	5792	1217	111	2401
Churn	T. and R. T. Dunn	769,335	Sept. 6	876	139	112	108
Churn	H. L. Thomasson	770,401	Sept. 20	2407	508	112	378
Churn	A. L. Griffin	771,471	Oct. 4	491	111	112	1063
Churn	S. Rock	771,937	Oct. 11	1441	328	112	1280
Churn	S. F. McClane	775,848	Nov. 22	4683	992	113	1106
Churn	B. R. Bryan	776,333	Nov. 29	3760	1212	113	1362
Churn	R. F. Cornell	776,496	Dec. 6	38	10	113	1432
Churn and butter-worker. Combined	C. J. Griffin	762,306	June 14	1938	287	110	1750
Churn and freezer. Combined	J. R. Yarbrough	763,139	June 21	3014	650	110	2133
Churn. Double-reciprocating-dasher	E. M. Kyle	755,373	Mar. 22	4226	934	109	973
Churn-power	C. Morrison	752,244	Feb. 16	2736	606	108	1687
Churn. Shaking	R. W. Park and C. L. Arnwine	765,232	July 19	2700	562	111	621
Churn-vent	C. F. Lancaster and J. D. Andrews	760,693	May 24	4197	891	110	992
Chute	C. K. Baldwin	758,809	May 3	456	91	110	111
Chute	E. Roenius	773,596	Nov. 1	117	24	113	32
Chute and bag support for vehicles	C. W. Lanpher	769,634	May 24	4073	866	110	966
Chute. Coal	F. J. Underwood	767,833	Aug. 16	3433	730	111	1841
Chute. Coal cart or wagon discharge	J. Gibson	769,808	Sept. 13	1444	309	112	343
Chute. Delivery	W. W. Weld	762,508	June 14	1748	375	110	1837
Chute device. Coal	S. B. Peck	758,102	Feb. 23	4437	987	108	2060
Chute for dredging-machines	M. Herron	771,069	Sept. 27	3715	783	112	884
Chute gate and operating mechanism	D. B. Cook	778,306	Dec. 27	3660	799	113	2265
Chute. Ore or grain	C. A. Moffett and F. B. Keiser	752,848	Feb. 23	3919	878	108	1962
Chute. Portable and adjustable stock	A. B. Copley	753,833	Mar. 1	1237	278	109	266
Chute. Wagon-bed discharging	J. D. Dwyer	777,084	Dec. 13	1246	274	113	1720
Cider-mill	C. A. Burner	766,603	Aug. 2	1074	224	111	1279
Cider-press	G. L. Nook	748,633	Jan. 5	155	37, 38	108	35
Cider-press	W. H. Wenk, Jr.	761,930	June 7	632	127	110	1579
Cigar-band	C. F. Zenker	754,110	Mar. 8	1779	395	109	409
Cigar-band. Adjustable	J. L. Spector	771,331	Oct. 4	217	49	112	1007
Cigar-band remover	W. B. Duncan, Jr.	773,836	Nov. 1	640	136	113	148
Cigar-banding machine	E. L. Perry	759,911	May 17	2662	558	110	638
Cigar-box	R. W. Hardie	748,863	Jan. 5	588	194	108	132
Cigar-box	J. Morstarr	761,780	June 7	331	66, 67	110	1513
Cigar-box	W. Tisch and H. T. Waters	772,896	Oct. 18	2378	523	112	1510
Cigar-box filler	H. J. Lewis	748,624	Jan. 5	140	33, 34	108	32
Cigar-branding machines, &c. Attachment for	W. M. Campbell	766,492	Aug. 2	716	130	111	1196
Cigar-butt former	C. Wessels	756,752	Apr. 5	1079	228	109	1572
Cigar-case	G. Macdonald	774,681	Nov. 8	2187	478	113	501
Cigar-cutter	W. M. Roberts	750,305	Jan. 26	3499	757	108	828

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Cigar-cutter.....	M. Stratton, Jr.....	774,208	Nov. 8	1316	279	113	314
Cigar cutter and lighter.....	W. M. Coombs and C. C. O'Connell.	753,672	Mar. 1	877	198	109	190
Cigar-cutter and match-ejector.....	M. P. McInire.....	761,897	June 7	577	115	110	1568
Cigar-cutter and match-igniter. Combined.....	J. T. Galetti.....	749,964	Jan. 19	2864	612	108	673
Cigar-cutter and match-safe. Combined.....	F. Seiler.....	761,547	May 31	5882	1361	110	1876
Cigar cutting and branding device. Combined.....	H. F. Bradenburg.....	764,085	July 5	343	44	111	56
Cigar displaying and vending device.....	G. H. Hagar.....	753,827	Mar. 1	1220	276	109	263
Cigar-heading device.....	O. Hammerstein.....	765,776	July 26	3793	807	111	864
Cigar-holder.....	M. H. Pigou.....	765,677	July 26	3568	756	111	832
Cigar holder and vender.....	C. M. Dodson.....	772,503	Oct. 18	2652	577	112	1563
Cigar-lighter.....	J. I. Ayer.....	777,061	Dec. 13	1206	264	113	1711
Cigar-lighter. Electric.....	W. Roche.....	772,963	Oct. 25	3523	763	112	1778
Cigar-lighter. Electric.....	J. Waters and F. V. Thompson.....	774,624	Nov. 8	2077	452	113	476
Cigar-lighter. Electric.....	W. P. Carstarphen, Jr.....	778,444	Dec. 27	3944	455	113	2326
Cigar-machine.....	B. H. Snively and T. H. Keller.....	768,777	Aug. 30	5418	1141	111	2317
Cigar-maker's machine.....	E. Winterer.....	764,024	July 5	216	39	111	51
Cigar-making machine.....	O. Wartmann.....	752,733	Feb. 23	3702	826	108	1916
Cigar-making machine.....	C. L. Driefer.....	767,331	Aug. 9	2424	509	111	1595
Cigar-manufacturing machine.....	B. Wertheimer.....	757,584	Apr. 19	2764	604	109	1965
Cigar-mold compressing and opening device.....	H. M. Dalton.....	774,648	Nov. 8	2120	463	113	486
Cigar or cigarette holder.....	I. A. Heald.....	766,946	Aug. 9	1637	355	111	1439
Cigar or cigarette machines. Binder or wrapper mechanism for.....	A. Du Brul.....	752,961	Feb. 23	4178	931	108	2022
Cigar-package. Commercial.....	C. P. Kratochville.....	756,656	Apr. 5	877	191	109	1529
Cigar-package. Non-refillable.....	G. Dumont and J. Sentegnan.....	776,649	Dec. 6	361	78	113	1508
Cigar. Self-igniting.....	A. Detwiler.....	776,646	Dec. 6	354	76	113	1507
Cigar-tip cutter.....	E. Walker.....	753,941	Mar. 8	1456	327	109	336
Cigar-tip cutter and advertising device.....	A. and A. Iske.....	768,996	Aug. 30	5875	1232	111	2420
Cigar-wrapper cutter and rolling-table. Combined.....	J. R. Williams.....	767,620	Aug. 16	3016	630	111	1746
Cigar-wrapper cutter and rolling tables. Pressure-rolls for.....	I. Liberman.....	752,847	Feb. 23	3917	578	108	1962
Cigars, &c. Machine for applying bands or labels to.....	W. C. Briggs.....	762,681	June 14	2104	456	110	1915
Cigars, &c. Machine for applying bands or labels to.....	W. C. Briggs.....	764,707	July 12	1667	341	111	380
Cigars with smoke-improving portions. Providing.....	H. F. M. Thoms.....	757,514	Apr. 19	2610	336	109	1929
Cigarette.....	W. C. Doscher.....	753,963	Mar. 8	1505	336	109	947
Cigarette.....	J. and L. Przedecki.....	773,374	Dec. 27	3806	830	113	2296
Cigarette and cigar making machine.....	B. W. Tucker.....	768,831	Aug. 30	5546	1166	111	2344
Cigarette-box.....	A. A. Brown.....	761,576	May 31	5935	1273	110	1889
Cigarette-former.....	J. E. Green and J. A. Hill.....	755,129	Mar. 22	3761	825	109	875
Cigarette-machine.....	G. M. Calberla.....	750,254	Jan. 26	3403	737	108	806
Cigarette-machine.....	J. Paul and C. Hartlieb.....	777,802	Dec. 20	2639	581	113	2036
Cigarette-machine. Continuous.....	F. J. Ludington.....	768,991	July 5	130	21, 22	111	35
Cigarette-machines. Machine for automatically preparing and feeding tobacco for.....	L. Lindelöf.....	762,068	June 7	879	181	110	1627
Cigarette-making device.....	A. E. Buckingham.....	767,626	Aug. 16	3028	633	111	1748
Cigarette-making device.....	G. F. Barron.....	774,028	Nov. 1	982	206	113	223
Cigarette mouthpiece-blanks. Mechanism for attaching fibrous material to.....	A. A. Drutschenkow.....	760,436	May 24	3660	777	110	875
Cigarette-mouthpieces. Apparatus for preparing.....	J. and L. Przedecki.....	773,373	Dec. 27	3806	830	113	2296
Cigarette or cigar box.....	A. G. Psiaki.....	757,225	Apr. 12	2013	437	109	1789
Cigarette or cigar case.....	W. Maguire.....	760,225	May 17	3288	690	110	774
Cigarette or cigar holders, &c. Mold-press for making.....	E. Simon.....	750,406	Jan. 26	3687	800	108	872
Cigarette-paper books. Apparatus for making.....	J. C. Drucklieb.....	773,484	Oct. 25	4742	1000	112	2049
Cigarette-paper with leaf metal. Apparatus for coating.....	G. M. Calberla.....	750,255	Jan. 26	3405	737	108	806
Cigarette-roller.....	C. Schopke.....	759,476	May 10	1825	363	110	435
Cigarette-tips. Machine for applying.....	R. Gabrielsky.....	771,869	Oct. 11	1290	291	112	1249
Cigarette-tips. Machine for applying.....	R. Gabrielsky.....	771,870	Oct. 11	1298	292	112	1251
Cigarette-tube-making machine.....	J. C. Hansen-Ellehammer.....	766,035	July 26	4269	914	111	968
Cigarette-tubes. Manufacture of pasted.....	A. Benoit, J. Guéniffet, and J. Nicault.....	773,367	Oct. 25	4498	952	112	1997
Cigarette-wrapper tubes. Machine for inserting cotton in.....	S. D. S. Rakowitzky.....	768,238	Aug. 23	4304	906	111	2049
Cigarettes, &c. Apparatus for feeding, wrapping, and packing.....	A. Godfrey.....	770,427	Sept. 20	2449	518	112	586
Cigarettes, &c. Machine for rolling.....	T. Moesinger.....	770,240	Sept. 13	2078	530	112	483
Circle-comb.....	J. Robertshaw.....	774,895	Nov. 15	2664	573	113	629
Circuit-breaker.....	L. L. Elden.....	756,344	Apr. 5	304	638	109	1408
Circuit-breaker.....	L. L. Elden.....	756,782	Apr. 5	1130	248	109	1585
Circuit-breaker.....	C. F. Stoddard.....	760,658	May 24	4130	877	110	978
Circuit-breaker.....	J. Barry.....	760,679	May 24	4176	887	110	988

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Circuit-breaker	A. C. Miller	760,798	May 24	4431	942	110	1041
Circuit-breaker	J. R. Anderson, Jr.	761,748	June 7	244	47	110	1492
Circuit-breaker	W. J. Lloyd	761,776	June 7	338	65	110	1512
Circuit-breaker	F. L. Sessions	762,204	June 7	1118	289	110	1682
Circuit-breaker	G. Wright and H. C. White	766,311	Aug. 2	850	74	111	1117
Circuit-breaker	E. M. Hewlett	768,941	Aug. 30	5764	1211	111	2396
Circuit-breaker	A. F. Christmas	773,119	Oct. 25	3971	842	112	1881
Circuit-breaker. Automatic	E. M. Hewlett	752,552	Feb. 16	3389	741	108	1817
Circuit-breaker. Automatic	W. M. Scott	754,505	Mar. 15	2610	567 568 213 214	109	606 203
Circuit-breaker. Automatic magnetic.	F. O. Hartman	753,704	Mar. 1	940	143	110	167
Circuit-breaker. Automatic magnetic.	W. M. Scott	758,998	May 3	714	30	7	110
Circuit-breaker. High-tension.	H. P. Davis	753,621	May 3	30	7	110	10
Circuit-breaker. Rotary mercury	A. F. Christmas	773,121	Oct. 25	3976	843	112	1882
Circuit-breaker. Rotary mercury	A. F. Christmas	773,123	Oct. 25	3980	843	112	1884
Circuit-breaker. Time-limit	E. M. Hewlett	770,007	Sept. 13	1660	353	112	393
Circuit-changer	C. C. Cadden	759,287	May 10	1357	370	110	329
Circuit-changer	J. C. Waldo	776,970	Dec. 6	1082	219	113	1654
Circuit-chaging apparatus	H. G. Webster	775,280	Nov. 15	3402	717	113	808
Circuit-closer	J. W. Leech	760,132	May 17	3108	650	110	734
Circuit-closer. Automatic	J. L. Russell	753,048	Mar. 22	3627	796	109	844
Circuit-closer. Automatic	H. G. Pape	772,291	Oct. 11	2177	475	112	1445
Circuit-closing device	H. B. Chance	763,464	June 28	3683	794	110	2302
Circuit-closing device	H. T. Johnson	774,436	Nov. 8	1722	370	113	402
Circuit-controller	J. L. Schureman, Jr.	756,534	Apr. 5	675	145	109	1485
Circuit-controller	P. H. Jaehning	760,209	May 17	3259	683 684 685	110	766
Circuit-controller	A. D. Scott	775,665	Nov. 22	4340	916	113	1034
Circuit-controller. Electromagnetic	E. W. Vogel and C. H. Morrison	775,692	Nov. 22	4392	927	113	1045
Circuit-controller for induction-coils.	R. Varley	757,792	Apr. 19	3177	690	109	2955
Circuit-controller. Manual and automatic	W. L. Denio	761,454	May 31	5725	1220	110	1343
Circuit-controller. Time	R. A. Moore	771,486	Oct. 4	438	99	112	1050
Circuit-controller. Vibratory	R. Varley	750,040	Jan. 19	3011	645	108	704
Circuit-controller. Vibratory	R. Varley	750,041	Jan. 19	3012	645	108	705
Circuit-controlling apparatus. Time	H. C. Little	766,507	Aug. 2	745	155	111	1308
Circuit-interrupter	G. P. McDonnell	768,616	Aug. 30	5101	1073	111	2247
Circuit-interrupter for jump-spark coils.	C. H. Fischer	762,993	June 21	2727	592	110	2070
Circuit-operating device	C. F. Hopewell	773,323	Oct. 25	4399	964	112	1975
Circuit-protecting device	E. W. Rice, Jr.	769,961	Sept. 13	1567	394	112	870
Circuits of rotary converters. Means for closing field.	W. B. Potter	755,791	Mar. 29	5038	1119	109	1165
Circuits. Potential-indicator for high-voltage.	J. E. Woodbridge	761,280	May 31	5396	1148	110	1267
Cistern	G. W. Boyer	757,253	Apr. 12	2065	451	109	1799
Cistern-forming device	W. M. McNeil	760,912	May 24	4648	990	110	1089
Cistern-top	S. Pomroy	754,801	Mar. 15	3173	692	109	727
Cisterns. Extensible dome-form for cement clamp.	S. L. Dunlap	772,276	Oct. 11	2147	470	112	1493
See Ball-clamp.	Plate-clamp.						
Bedclothes-clamp.	Plow-handle clamp.						
Bedstead-attach-ment clamp.	Plow or cultivator clamp.						
Bedstead brace-clamp.	Pole-clamp.						
Blind-rod clamp.	Pump barrel clamp.						
Book-clamp.	Rail-clamp.						
Brake-beam clamp.	Rail safety-clamp.						
Cabinet-maker's clamp.	Rail way guard-rail clamp.						
Cable-grip clamp.	Rope-clamp.						
Carpet-clamp.	Rope or cable clamp.						
Chain-clamp.	Routing-machine clamp.						
Clothes-clamp.	Rubber-dam clamp.						
Dental clamp.	Saw-clamp.						
Dental-dam clamp.	Saw-guide clamp.						
Draw-clamp.	Sewing-machine work-clamp.						
Drill-rod clamp.	Shelf-clamp.						
Eaves-trough clamp.	Ship-builder's clamp.						
Electrode-clamp.	Show-case corner-clamp.						
Engine-base clamp.	Siding or floor clamp.						
Fence-clamp.	Stereotype-plate clamp.						
Fence stay-clamp.	Stovepipe-clamp.						
Fish-bar clamp.	Suspending-clamp.						
Floor-clamp.	Tire-clamp.						
Flooring-clamp.	Tire-welding clamp.						
Glass-clamp.	Tobacco-clamp.						
Guing-clamp.	Trolley-wire clamp.						
Hair-clamp.	Upholstery-spring top clamp.						
Hat-pressing-machine clamp.	Wagon-body clamp.						
Hay-rack clamp.	Window-screen corner-clamp.						
Hose-clamp.	Wire-clamp.						
Leak-closing clamp.	Wire-clamp.						
Line-wire clamp.	Wire-rope clamp.						
Machine-clamp.	Work-bench clamp.						
Pipe-clamp.							
Clamp	H. M. Hanson and C. S. Bentley	749,732	Jan. 19	2426	515	108	577
Clamp	G. W. Soule	752,484	Feb. 16	3106	689	108	1766
Clamp	W. B. Bennett	754,562	Mar. 22	3486	762	109	813
Clamp	P. Lyden	758,262	Apr. 26	4093	885	109	2274
Clamp	R. Rössler	758,476	Apr. 26	4517	970	109	2309
Clamp	H. L. Roberts	760,151	May 17	3183	659	110	746
Clamp	E. E. Aires	761,282	May 31	5399	1149	110	1268
Clamp	A. Martens	764,742	July 12	1736	354	111	395

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Invention.	Name.	No.	Date	Monthly volume.		Official Gazette.	
				Spec.	Dr-g.	Vol.	Page.
Clamp	M. E. Hunter	768,281	Aug. 23	4393	922	111	2069
Clamp-fastening. Split-ring	E. Kottusch	770,501	Sept. 20	2601	551	112	621
Clamp for hoops, bands, &c.	W. P. Rice	758,385	Apr. 26	4346	933	109	2329
Clamp-handle	W. P. Devine	752,828	Feb. 23	3882	870	108	1955
Clamp-hook	C. Knibbs and R. H. Sterrett	768,377	Aug. 23	4612	965	111	2125
Clamp or stop-cock for flexible tubes	O. L. Jerald	758,449	Apr. 26	4474	962	109	2350
Clamping device	G. Hacker	752,156	Feb. 16	2574	572	108	1648
Clamping device	R. G. Siegel	756,067	Mar. 29	5564	1238	109	1283
Clamping device	C. Seymour	762,096	June 7	926	191	110	1638
Clamping device	C. W. Coleman	764,659	July 12	1576	321	111	960
Clamping device	L. P. Halladay	755,399	Nov. 22	3763	796	113	908
Clamping device	E. V. Boddy	775,515	Nov. 22	4000	844	113	960
Clamping-dog	C. A. Yost	758,881	May 3	613	132	110	145
Clamping dog. Work	F. L. Curtis	764,523	July 5	1258	258	111	275
Clapboard-marker	E. B. Shephardson	772,677	Oct. 18	2947	646	112	1653
Clapboard-marking gage	C. W. Foust	755,758	Mar. 29	4976	1107	109	1160
Clarifying and filtering apparatus	D. L. Watson	761,187	May 31	5206	1106	110	1287
Clarinet of Boehm	E. Bercieux	750,935	Feb. 2	295	70	108	1122
Clasp:							
See Corset-clasp.	Hose-supporter clasp.						
Envelope-clasp.	Jewelry-clasp.						
Garment-clasp.	Pin-clasp.						
Garment-supporter	Ribbon-clasp.						
clasp.	Tag-clasp.						
Hat-clasp.							
Clasp	M. B. Hammond	748,724	Jan. 5	319	72	108	71
Clasp	A. Person	750,487	Jan. 26	3837	833	108	904
Clasp	O. J. Jones	750,656	Jan. 26	4150	900	108	966
Clasp	F. Charron and L. Girardot	754,919	Mar. 15	3389	741	109	774
Clasp	M. L. Sanderling	756,535	Apr. 5	676	145	109	1485
Clasp	E. Cleary	760,311	May 17	8440	725	110	808
Clasp	M. Rubin	761,919	June 7	617	123	110	1576
Clasp	F. A. Neider	763,014	June 21	2774	601	110	2080
Clasp	J. Jenkins	763,343	June 21	3399	740	110	2218
Clasp	M. and L. Rubin	764,823	July 12	1907	391	111	433
Clasp	L. H. Rossuck	765,936	July 26	4189	894	111	951
Clasp	W. Cahn and P. H. Long	769,336	Sept. 6	398	92	112	86
Clasp	F. N. Ashworth	772,913	Oct. 25	3428	744	112	1756
Clasp	C. K. Pevey	773,979	Nov. 1	890	187	113	204
Clasp or fastener	H. J. Gaisman	765,665	July 26	3546	749	111	816
Clasp-pin	H. W. Fishel	757,692	Apr. 12	1656	358	109	1710
Classifying or sizing apparatus	A. Ten Winkel	770,877	Sept. 27	3336	704	112	802
Clay-grinding pan	D. F. Lepley	772,621	Oct. 18	2840	633	112	1610
Clay. Machinery for separating stone from	A. Sabroe	763,022	June 21	2783	603	110	2082
Clay or other insoluble materials. Apparatus for separating	M. W. Phillips	763,792	June 28	4300	937	110	2434
Clay or other insoluble materials. Separating	M. W. Phillips	763,923	June 28	4569	966	110	2487
Clay-screening paratus. Liquid	F. M. Locke	771,557	Oct. 4	677	151	112	1103
Clay, shale, & its various patterns or articles.	E. C. Hoelsche	753,981	Mar. 8	1529	341	109	338
Machine for stamping or shaping plastic							
Clay-working machinery	R. Bühler	774,559	Nov. 8	1963	426	113	453
Clay-working machinery. Measuring-drum for	W. R. Cunningham	777,081	Dec. 13	1242	273	113	1719
Clean-out, backwater-trap, and cellar-drain. Combined	F. Shay	772,583	Oct. 18	2775	611	112	1596
Cleaner:							
See Belt-cleaner.	Gutter-cleaner.						
Boiler-cleaner.	Horse-cleaner.						
Boiler-flue cleaner.	Knife or fork cleaner.						
Boiler-tube cleaner.	Offset-cleaner.						
Bolting-sieve cleaner.	Pipe-cleaner.						
er.	Rail-cleaner.						
Boot or shoe cleaner.	Road-bed cleaner.						
Carpet-cleaner.	Ruling-pan cleaner.						
Chimney-cleaner.	Seed-cleaner.						
Comb-cleaner.	Sidewalk-cleaner.						
Cotton-cleaner.	Sievecloth cleaner.						
Cultivator-cleaner.	Steam-cleaner.						
Drill-cleaner.	Stovepipe-cleaner.						
Eaves-trough cleaner.	Street-cleaner.						
Eraser-cleaner.	Sucker-rod cleaner.						
Filter-cleaner.	Tooth-cleaner.						
Flue-cleaner.	Track-cleaner.						
Fruit-cleaner.	Tube-cleaner.						
Gun-saw cleaner.	Tube or flue cleaner.						
Grain-cleaner.	Welt-cleaner.						
	Window-cleaner.						
Cleaning and waxing pad	H. Greeder	769,541	Sept. 6	790	170	112	178
Cleaning device	E. E. Elston, Jr.	751,786	Feb. 9	1853	422	108	1469
Cleaning fluid	T. H. Jackson	767,279	Aug. 9	2337	447	111	1576
Cleaning implement	J. Dettmer	775,077	Nov. 15	3037	645	113	718
Cleaning-machine	V. Ciralli	764,426	July 5	1056	216	111	235
Cleaning, oiling, or polishing compound	W. B. Tyler	758,944	May 3	737	170	110	171
Cleat	W. B. Thomas, Jr.	755,253	Mar. 22	4001	887	109	923
Cleat-forming machine	W. B. Jones	765,180	July 19	2579	539	111	594
Clevis	B. W. Cook	753,366	Mar. 1	266	60	109	60
Clevis	J. S. Weather	761,863	June 7	505	101	110	1552
Clevis	O. O. Bergh	758,056	Dec. 20	3243	713	113	2156
Clevis. Flow	M. Wheeler	748,889	Jan. 19	2715	580	108	642
Clinker-catcher	M. O. Hower	776,591	Dec. 6	243	54	113	1483
Clinometer	F. T. Cable	764,556	July 12	1853	275	111	313

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Invention	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec	Dr'g.	Vol	Page
Clip							
See Belt-clip	Garter-clip.						
Blind-clip.	Letter-clip						
Cable-clip.	Newspaper-clip.						
Cartridge-clip.	Packaging-clip.						
Cloth-tentering-machine clip.	Paper-clip.						
Electric testing-clip.	Rail-clip.						
Fence-clip.	Railway cable-clip						
Flower-pot clip.	Spring-clip.						
Furring-clip.	Trolley-wire clip						
Clip	E. De Lamater	749,663	Jan. 12	3267	478	108	527
Clip	J. A. Mayers	751,531	Feb. 9	1372	313	108	1369
Clip	D. E. Mapother.	758,547	Apr. 26	4662	1004	109	2401
Clip	J. A. Mayers	763,303	June 21	3331	721	110	2203
Clip	B. M. Stannard	772,261	Oct. 11	2126	464	112	1434
Clip-band fastener	C. L. Pope	756,701	Apr. 5	964	212	109	1549
Clip for holding papers, clothing, &c	F. M. Bulkley	765,553	July 19	3315	694	111	752
Clipper. Hair	G. F. Stevens	757,359	Apr. 12	2290	499	109	1847
Clipper. Hair	H. E. Conrad	771,717	Oct. 4	970	217	112	1167
Clipping-machine.	C. M. Chandler	766,940	Aug. 9	1771	372	111	1454
Clipping or grooming machine	A. L. Hale	766,182	Aug. 2	91	10	111	1032
Clock	W. Rausch	753,212	Feb. 23	4643	1033	108	2125
Clock	R. Korfhage	759,619	May 10	2105	432	110	493
Clock	G. A. Schlechter	760,157	May 17	3162	661	110	746
Clock	W. E. Porter	767,119	Aug. 9	2031	423	111	1512
Clock	W. E. Porter	771,665	Oct. 4	877	197	112	1147
Clock Alarm.	T. J. Daniel	772,223	Oct. 11	9035	198	112	1411
Clock Alarm.	D. D. Ingram	771,474	Oct. 20	2783	611	113	2065
Clock and circuit-controller. Combined coin-driven.	T. D. Ingram	771,474	Oct. 4	494	112	112	1064
Clock and money-box. Coin-controlled.	L. F. Kleeman	750,374	Jan. 26	3628	787	108	853
Clock-arbor, &c	T. W. R. McCabe	769,559	Sept. 6	821	175	112	185
Clock. Astronomical	J. C. Burke	754,845	Mar. 15	3267	712	109	748
Clock-bell	A. Junghans and G. A. Wlost	773,646	Nov. 1	210	46	113	51
Clock-case	G. B. Woodruff and T. W. R. McCabe	748,679	Jan. 5	238	55	108	52
Clock-case	A. D. Blodgett	750,787	Jan. 26	4498	961	108	1038
Clock-case	A. M. Lane	758,454	Apr. 26	4479	963	109	2360
Clock-case	W. J. Daly	761,152	May 31	5142	1092	110	1213
Clock. Chiming.	C. A. Jacques	760,070	May 17	2977	622	110	706
Clock chiming and repeating mechanism	C. A. Jacques	763,899	June 28	4505	983	110	2476
Clock contact device. Electric	R. Carlstedt and B. Gustafson	768,511	Aug. 23	4858	1018	111	2176
Clock-dial	S. P. Thrasher	755,969	Mar. 29	5390	1190	109	1246
Clock dials. Marking watchmen's	A. A. Newman	753,615	Mar. 1	756	168	109	164
Clock. Eight-day alarm.	J. Matzinger	772,165	Oct. 11	1924	426	112	1385
Clock. Electric	W. 50,492	Jan. 26	3843	835	108	905	
Clock. Electric	G. S. Tiffany	754,397	Mar. 8	2359	515	109	532
Clock. Electric	D. W. Thompson	754,622	Mar. 15	2824	616	109	650
Clock. Electric	F. Holden	755,774	Mar. 29	5008	1114	109	1158
Clock. Electric	H. Scott and A. Loeb.	759,026	May 3	873	178	110	201
Clock. Electric	H. Campiche	764,911	July 12	2089	432	111	474
Clock. Electric	H. Scott	770,322	Sept. 20	2276	470	112	549
Clock. Electric	H. Scott	770,323	Sept. 20	2280	479	112	550
Clock. Electric	T. A. Schlueter	772,002	Oct. 11	1572	353	112	1309
Clock. Electric alarm	H. A. Chase	751,781	Feb. 9	1845	420	108	1468
Clock. Electric alarm	L. H. Cushman.	753,240	Mar. 1	48	12	109	13
Clock. Electric program	E. E. Stone	771,400	Oct. 4	374	82	112	1036
Clock. Electric secondary	F. I. Getty	765,383	July 19	2960	620	111	677
Clock. Electric striking	W. Olson	749,495	Jan. 12	1962	407	108	459
Clock. Electric striking	R. Carlstedt and B. Gustafson	768,421	Aug. 23	4688	982	111	2140
Clock electromotive device	D. Perret	777,974	Dec. 20	3024	665	113	2111
Clock. Geographical	J. J. St. Ledger	773,235	Oct. 25	4241	897	112	1942
Clock. Graphophone alarm	J. A. Wozencraft	778,434	Dec. 27	3921	853	113	2321
Clock. Illuminated	H. Strasburg	762,261	June 7	1228	618	110	1706
Clock. Intermittent alarm	A. M. Lane	775,010	Nov. 15	2895	619	113	654
Clock-mechanism escapement.	W. Webber	776,574	Dec. 6	214	48	113	1475
Clock. Musical alarm	A. Stange	767,605	Aug. 16	2990	624	111	1741
Clock-pendulum adjuster	J. R. Sims	768,913	Aug. 30	5702	1199	111	2382
Clock-pendulum. Torsional	G. S. Tiffany	754,398	Mar. 8	2365	516	109	533
Clock. Program	C. L. Hayes	770,902	Sept. 27	3384	714	112	812
Clock ratchet-wheel	T. B. Stephenson, Jr	767,361	Aug. 9	2483	520	111	1607
Clock. Repeating alarm	W. F. Winslow	752,319	Feb. 16	2895	646	108	1732
Clock. Self-winding electric	F. T. Talcott and B. P. Korr	753,737	Mar. 1	1035	235	109	222
Clock. Speed	K. H. McIntyre	768,394	Aug. 23	4639	971	111	2130
Clock. Striking	O. Quist	773,585	Nov. 1	99	21	113	28
Clock striking mechanism	R. Tuerck	755,260	Mar. 22	4004	888	109	924
Clock striking mechanism. Electric	E. Meyer	760,895	May 24	4607	982	110	1080
Clock. Watchman's.	A. Bey	755,100	Mar. 22	3715	816	109	854
Clock winding-indicator	H. Weller	756,446	Apr. 5	519	108	109	1453
Clock winding mechanism	W. E. Porter	756,708	Apr. 5	967	213	109	1550

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Invention.	Name	No	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Clock winding mechanism	W. M. Fulton	778,237	Dec. 27	3506	771	113	2233
Clod-crusher and cultivator	J. W. Jones	775,039	Nov. 15	2952	680	113	698
Cloisonné ware. Manufacturing	T. Pfister	751,104	Feb. 2	590	136	108	1186
Closet:							
See Bread and cake closet.							
Sanitary closet.							
Siphon-closet.							
Water-closet.							
Closet-cistern and valve therefor	F. Jackson	758,970	May 3	774	155	110	179
Closet connection	D. Keohane	760,874	Aug. 16	4565	973	110	1071
Closet connection	W. H. Lloyd	771,481	Oct. 4	507	114	112	1066
Closet-joint	W. E. Hinsdale	760,863	May 24	4549	970	110	1067
Closet-seat	L. G. Dobbs	756,599	Apr. 5	776	169	109	1506
Closet-seat protector. Sanitary	O. Thompson	768,708	Aug. 30	5229	1113	111	2289
Closet structure	W. U. Griffiths	768,601	Aug. 30	5074	1065	111	2541
Closing device. Automatic.	J. W. Watkins	772,483	Oct. 18	2588	569	112	1554
Closure	E. E. Chapman	749,422	Jan. 12	1785	377	108	423
Closure	E. E. Chapman	749,423	Jan. 12	1787	377	108	423
Closure	E. E. Chapman	752,614	Feb. 16	3471	774	108	1847
Cloth. Apparatus for dividing, severing, and similarly treating	A. Marr	751,527	Feb. 9	1363	311	108	1367
Cloth-cutter	S. R. Jacobs	756,501	Apr. 5	614	133	109	1471
Cloth-cutting machine	F. Baumann, Jr.	765,454	July 19	3117	653	111	710
Cloth-cutting machine	C. D. Mattison	767,076	Aug. 9	1938	405	111	1491
Cloth-folder	H. Nelson	752,995	Feb. 23	4242	945	108	2036
Cloth-holding device	E. Gessner	754,649	Mar. 15	2880	682	109	661
Cloth-pressing machine. Rotary	G. W. Voelker	765,692	July 26	3593	764	111	826
Cloth-rolling machine	C. Krause	758,322	Apr. 26	4232	909	109	2305
Cloth-shearing machine	W. F. Ambach	763,835	June 28	4394	955	110	2452
Cloth-shingling machine	J. Edwards	770,273	Sept. 23	2174	452	108	524
Cloth-steaming machine	E. Gessner	761,471	May 31	1751	1227	110	1345
Cloth-strip folder	A. L. Adams	756,451	Apr. 5	526	110	109	1455
Cloth take-up and stretching device	C. E. Meding	751,192	Feb. 2	762	174	108	1230
Cloth-tentering-machine clip	H. W. Honeyman	761,967	June 7	938	141	110	1591
Cloth, &c. Treating	J. W. Yates	772,598	Oct. 18	2797	616	112	1601
Cloth while spreading or piling. Device for holding	M. M. Levy	770,138	May 17	3109	650	110	735
Cloth-winding machine	N. Jarvis	759,376	May 10	1639	332	110	391
Cloth-winding machine	C. W. Brown	766,098	July 26	4399	942	111	996
Clothes, garments, &c. Support for sanitary	E. M. Silberman	767,870	Dec. 6	825	178	113	1608
Clothes-clamp	A. Anderson	773,449	Oct. 25	4673	988	112	2035
Clothes-drauer	M. M. Hall and L. D. Mohler	756,112	Mar. 29	5659	1249	109	1308
Clothes-drier	C. C. Crossley	751,265	Feb. 2	926	210	108	1254
Clothes-drier	F. S. MacDougall	751,863	Feb. 9	2015	456	108	1506
Clothes-drier	C. W. Gies	752,151	Feb. 16	2566	570	108	1646
Clothes-drier	P. A. Ringnell	757,497	Apr. 19	2571	564	109	1920
Clothes-drier	J. Judelson	758,451	Apr. 26	4476	962	109	2359
Clothes-drier	G. Horvath	763,979	July 5	101	16	111	30
Clothes-drier	B. C. Steffens	765,719	July 26	3665	781	111	838
Clothes-drier	T. M. Anderson	770,037	Sept. 13	1704	361	112	402
Clothes-drier	P. F. Cavanaugh	774,379	Nov. 8	1622	348	113	382
Clothes-fastener	D. N. Booth	764,984	July 12	2222	459	111	502
Clothes-hanger	F. T. Johnson	768,051	Aug. 23	3892	817	111	1956
Clothes-hanger	D. Sheffeld	776,868	Dec. 6	823	177	113	1608
Clothes-horse	W. Hargrove	755,484	Mar. 22	4419	979	109	1013
Clothes-horse	T. L. Duffy	773,788	Nov. 1	482	105	113	112
Clothes-horses, &c. Supporting device for	A. Crossman and A. V. Martin	773,787	Nov. 1	479	105	113	112
Clothes-line	S. A. Owens	759,394	May 10	1675	339	110	399
Clothes-line	A. D. Moye	763,309	June 21	3341	724	110	2205
Clothes-line	M. S. Cross	766,758	Aug. 2	1268	270	111	1322
Clothes-line. Adjustable	G. M. Peck	762,598	June 14	1937	418	110	1877
Clothes-line fastener	H. Kleinfeldt	748,622	Jan. 5	139	32	108	31
Clothes-line fastener	C. F. Smith	749,235	Jan. 12	1399	300	108	341
Clothes-line fastener	J. C. Meyer	773,804	Nov. 1	505	110	113	118
Clothes-line grip	J. Mandrey	769,620	Sept. 6	918	199	112	309
Clothes-line holder	R. Alpin	753,218	Aug. 9	9	1	112	2
Clothes-line holder and tightener	G. H. De Vine and A. Baumann	753,049	Feb. 23	4345	966	108	2060
Clothes-line pin	C. W. Ott	775,931	Nov. 29	4844	1026	113	1158
Clothes-line pin	J. W. Finch	762,160	Sept. 7	1041	219	110	1664
Clothes-line pin	R. W. Ivey	769,222	Sept. 6	160	39	112	35
Clothes-line pole or support	H. O. Breckenridge	778,215	Aug. 27	5629	702	113	1927
Clothes-line pulley	E. Des Noyers and H. Vohl	777,717	Dec. 20	2437	540	113	2262
Clothes-line reel	J. J. Walter	777,822	Dec. 20	2681	590	113	2044
Clothes-line reel and stretcher	A. R. Stevens	777,926	Dec. 20	2924	642	113	2093
Clothes-line securing device	A. J. Hall	760,450	May 24	3705	784	110	885
Clothes-line sheave	J. Blasius	766,081	May 17	3090	664	108	719
Clothes-line stretcher	C. S. Rollston	775,118	Nov. 15	3126	693	113	738
Clothes-line support	C. Kirkbride	778,045	Dec. 20	3153	693	113	2138
Clothes-line support	E. Schwinn	751,688	Feb. 9	1668	378	108	1431
Clothes-line support. Adjustable	S. D. Harrell	775,760	Nov. 22	4514	957	113	1071
Clothes-pin	A. Smith	760,199	May 17	3213	680	109	763
Clothes-pin	A. O. Craven	749,234	Jan. 12	1398	299	108	340
Clothes-pin	G. B. Sawyers	762,494	June 14	1724	371	110	1832
Clothes-pin	A. F. Pickers	763,793	June 28	4311	937	110	2435
Clothes-pin	S. A. Briney	766,870	Aug. 9	1334	321	111	1400
Clothes-pin	H. S. Broughton	767,792	Aug. 16	3316	700	111	1813
Clothes-pin	A. C. French	775,561	Nov. 22	4129	868	113	987
Clothes-pin-blank-forming machine	E. W. Sayle	777,751	Dec. 20	2517	556	113	2011
Clothes-pin-slotting machine	A. Smith	767,448	Aug. 16	2968	560	111	1667
Clothes-pounder	V. T. and E. W. Lynch	767,447	Aug. 16	2965	560	111	1666
		734,379	Mar. 15	3323	725	109	761

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Clothes-pounder	I. N. Hollingsworth	771,015	Sept. 27	3610	760	112	863
Clothes-pounder	J. W. Hamm and A. F. Bruckner	774,073	Nov. 1	1072	229	113	242
Clothes-pounder	R. S. Sheldon	777,756	Dec. 20	2527	558	113	2018
Clothes-pressing machine	A. T. Beach and F. C. Gould	767,324	Aug. 9	2411	506	111	1592
Clothes-rack	J. H. Harrell	768,363	Aug. 23	4542	955	111	2101
Clothes-rack	E. Baruch	772,020	Oct. 11	1606	394	112	1317
Clothes-rack	N. M. Coyner	777,185	Dec. 13	1424	317	113	1738
Clothes, &c. Rack for drying	R. F. Miller	772,895	Oct. 18	3379	734	112	1737
Clothes-reel	S. Tillson	753,179	Feb. 23	4569	1018	108	2110
Clothes-sprinkler	B. Livengood	768,056	Aug. 23	3902	819	111	1359
Clothes-sprinkler	J. I. Sloat	776,698	Dec. 6	463	103	113	1529
Clothes-stick	J. F. Stocking	770,333	Sept. 20	2296	482	112	554
Clothes-tongs	C. O. Hollowell	772,566	Oct. 18	2736	601	112	1588
Clothes washer and wringer. Combination	L. C. Gillespie	767,270	Aug. 9	2322	486	111	1573
Clothes-wringer	W. Bulkeley	762,963	June 21	2711	589	110	2066
Clothes-wringer	C. Schmidt	765,514	July 19	3241	670	111	737
Clothing case and hanger	D. A. Ryan	769,024	Aug. 30	5935	1244	111	2434
Clothing-rack	J. A. Hockersmith	758,072	Apr. 26	3732	811	109	2193
Clover-buncher	E. E. Culp	775,002	Nov. 15	2879	615	113	681
Clover-huller	W. N. Rumely and W. C. Robby	752,421	Feb. 16	3097	687	108	1764
Clover-hulling machine	A. Poirier	771,885	Oct. 11	1331	301	112	1258
Club or baton	E. J. Trout	769,880	Sept. 13	1414	301	112	337
Cluster-socket	J. H. Dale	757,441	Apr. 19	2460	537	109	1898
Cluster-socket	J. H. Dale	777,665	Dec. 20	2271	113	113	1973
Clutch	C. M. Rhodes	755,550	Mar. 22	4533	1009	109	1037
Clutch	C. R. Moon	756,390	Apr. 5	402	82, 83	109	1429
Clutch	W. S. Timmis	760,822	May 24	4475	953	110	1051
Clutch	C. Pedersen	765,788	July 26	3813	612	111	869
Clutch	J. W. Packard	769,321	Sept. 6	371	85	112	80
Clutch	P. A. Houghtaling	770,641	Sept. 20	2861	608	112	678
Clutch	E. Dysterud	771,771	Oct. 4	1079	241	112	1189
Clutch	D. A. Murphy	771,919	Oct. 11	1399	318	112	1271
Clutch	L. Seibt and J. Q. Cook	776,206	Nov. 29	5513	1167	113	1312
Clutch	C. C. Keyser	776,404	Nov. 29	5766	1921	113	1070
Clutch	F. J. Lemley	777,961	Dec. 20	2987	655	113	2104
Clutch	F. A. Brownell	778,820	Dec. 27	4651	1016	113	2482
Clutch application. Magnetic	J. Riddell	752,590	Feb. 16	3402	758	108	1833
Clutch. Automatic	C. D. Dexter and H. E. Wood	775,063	Nov. 15	3005	639	113	711
Clutch device	T. L. and T. J. Startevant	766,552	Aug. 2	835	175	111	1225
Clutch. Drill-rod	F. B. Stoner and C. Hotaling	768,915	Aug. 30	5711	1200	111	2384
Clutch for carriers. Automatic	D. M. Motherwell	756,265	Apr. 5	144	29, 30	109	1374
Clutch for lathes, &c	W. E. Seng	766,520	Aug. 2	700	166	111	1214
Clutch for variable-speed counter-shafts.	I. M. Foster	770,057	Sept. 13	1737	357	112	409
Clutch. Friction	A. R. Anderson	748,569	Jan. 5	5	1, 2	108	4
Clutch. Friction	J. H. B. Bryan	750,944	Feb. 2	312	74	108	1136
Clutch. Friction	S. C. Schauer	756,185	Mar. 29	5768	1273	109	1326
Clutch. Friction	C. Seybold	757,836	Apr. 12	2034	443	106	1794
Clutch. Friction	M. C. Nixon	758,272	Apr. 26	4113	890	109	2278
Clutch. Friction	W. C. Davis	759,841	May 10	2537	531	110	589
Clutch. Friction	H. Baumgartner and J. Ziegler	780,516	May 24	3336	814	110	915
Clutch. Friction	T. W. Barber	764,104	July 5	388	74, 75	111	85
Clutch. Friction	E. F. McMahon	764,146	July 5	465	91	111	101
Clutch. Friction	H. S. Credlebaugh and A. Sonander	764,712	July 12	1683	344	111	384
Clutch. Friction	C. Seymour	766,534	Aug. 2	802	169	111	1216
Clutch. Friction	W. A. Smith	767,844	Aug. 16	3436	725	111	1887
Clutch. Friction	J. G. Heaslet	769,543	Sept. 6	702	171	112	179
Clutch. Friction	J. J. Macomber and G. H. Guthrie	771,652	Oct. 4	853	191	112	1142
Clutch. Friction	C. H. Nystrom	773,336	Oct. 25	4438	940	112	1985
Clutch. Friction	A. P. Brown	773,370	Oct. 25	4504	953	112	1999
Clutch. Friction	M. R. Conway	776,644	Dec. 6	350	75	113	1505
Clutch. Friction	A. C. Sargent	776,806	Dec. 6	689	132	113	1578
Clutch-head. Rock-drill	J. E. Littleton	758,761	May 3	364	73	110	89
Clutch. Hub	C. M. Rhodes	770,443	Sept. 20	2476	526	112	592
Clutch. Magnetic	A. C. Eastwood	754,291	Mar. 8	2108	468	109	473
Clutch. Magnetic	A. C. Eastwood	762,632	June 14	1969	431	110	1888
Clutch. Magnetic	A. C. Eastwood	763,625	June 14	1962	431	110	1889
Clutch mechanism	W. W. Sweetland	751,027	Feb. 2	452	106	108	1158
Clutch mechanism	C. F. Thoms	754,825	Mar. 15	3223	702	109	739
Clutch mechanism	W. D. Ford-Smith and T. Coventry	757,805	Apr. 19	3198	695	109	2020
Clutch mechanism	S. D. Sprong	760,577	May 24	3935	839	111	941
Clutch mechanism	A. P. Morrow	765,365	July 19	2262	625	111	683
Clutch mechanism	W. L. Barton	771,695	Oct. 4	931	210	112	1138
Clutch mechanism	E. R. Dickey	776,224	Nov. 29	5443	1153	113	1297
Clutch mechanism. Friction	S. J. Davis	754,644	Mar. 15	2872	627	109	659
Clutch mechanism. Reversing	W. J. Wright	749,343	Jan. 12	1637	348	108	394
Clutch mechanism. Reversing	W. J. Wright	762,109	June 7	948	196	110	1643
Clutch mechanism. Reversing	W. J. Wright	762,221	June 7	1152	247	110	1690
Clutch-operating mechanism for cut-offs	P. B. Clarke	775,345	Nov. 22	3646	772	113	882
Clutch-operating mechanism. Friction	E. Turney	760,089	May 17	3014	630	110	714
Clutch or coupling. Friction	H. D. Loria	775,737	Nov. 22	4511	956	113	1070
Clutch. Power-press	C. E. Pollard	752,100	Feb. 16	2467	551	108	1625
Clutch. Speed-regulating magnetic	C. A. Pratt	754,804	Mar. 15	3177	692	109	728
Clutch. Starting	J. F. Wilkinson	777,993	Dec. 20	3055	672	113	2117
Clutch. Union-nipple	G. H. Benton	773,462	Oct. 25	4697	992	112	2039
Clutches. System for operation of magnetic	A. C. Eastwood	761,459	Mar. 31	5730	1222	110	1344
Coach. Motor	R. Stone	764,263	July 5	709	144	111	157

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Coal and rock drilling machine.....	L. K. Koontz.....	756,028	Mar. 29	5199	1213	109	1369
Coal-auger nut. Sectional.....	J. H. Mason.....	771,837	Oct. 11	1201	112	112	1331
Coal-breaker.....	E. S. Decker.....	758,302	Apr. 26	4192	902	109	2297
Coal-breaker.....	W. J. Patterson.....	770,819	Sept. 27	3225	679	112	777
Coal briquets. Forming.....	E. H. Larkin.....	770,503	Sept. 20	2603	112	621	
Coal briquets. Making.....	J. W. Barnes.....	778,006	Dec. 20	3241	113	2156	
Coal-bucket releaser.....	A. R. Bissett.....	758,893	May 3	635	126	110	150
Coal-burning apparatus. Soft.....	R. Baker.....	753,836	Mar. 8	1246	280	109	280
Coal-carrying vessel or bag. Manual.....	N. R. Marshman.....	749,209	Jan. 12	1847	289	108	338
Coal-crusher.....	G. W. Perry.....	778,372	Dec. 27	3805	890	113	2296
Coal, &c. Depository for.....	G. C. Mackrow and H. G. Cameron.....	749,207	Jan. 12	1340	289	108	322
Coal-drill.....	G. F. Weiss.....	762,863	June 14	2497	540	110	1909
Coal-elevator.....	J. Deady, Jr.....	754,546	Mar. 15	2681	582	109	621
Coal-feeding apparatus. Pulverulent.....	W. F. Wolfe.....	766,407	Aug. 2	530	112	111	1157
Coal for coking purposes. Treating and handling.....	W. J. Patterson.....	770,778	Sept. 27	3123	663	112	734
Coal-handling apparatus.....	J. M. McClellon.....	750,003	Jan. 19	2908	627	108	689
Coal holing and cutting-in machine.....	A. E. Millward.....	773,882	Nov. 1	700	146	113	161
Coal. Machinery for continuously cutting.....	H. V. Neukirch.....	753,092	Feb. 23	4421	983	108	2077
Coal, &c. Machinery for cutting.....	H. C. Peake and J. R. English.....	755,238	Mar. 22	3961	877	109	915
Coal or coke briquets. Producing pit.....	J. Lieb.....	756,124	Mar. 29	5679	749	109	1307
Coal or ore pockets. Gate and chute for.....	G. L. Holmes.....	752,555	Feb. 16	3339	760	108	1619
Coal or other material. Apparatus for transferring.....	J. Campbell.....	773,194	Oct. 25	4143	876	112	1921
Coal-separating apparatus.....	C. H. Koyl.....	755,016	Mar. 22	3576	784	109	833
Coal-separator.....	G. A. Kenner.....	750,637	Jan. 26	4150	785	108	960
Coal-separator.....	F. H. Emery.....	755,473	Mar. 22	4401	975	109	1008
Coal-separator.....	J. and W. H. Fern.....	773,556	Nov. 1	47	10	113	15
Coal separator and washer.....	H. M. Spencer.....	753,440	Mar. 1	418	97, 98	109	91
Coal sieve or separator.....	J. G. Brock.....	763,362	June 28	3480	751	110	2238
Coal-storage plant.....	A. M. Acklin.....	772,911	Oct. 25	3423	743	112	1755
Coal-storage plant.....	W. J. Patterson.....	772,956	Oct. 25	3510	760	112	1774
Coal-storage plant.....	W. J. Patterson.....	772,957	Oct. 25	3512	760	112	1775
Coal-tipple structure.....	T. W. Fitch, Jr.....	757,732	Apr. 19	3048	664	109	2026
Coaling apparatus. Boat.....	H. D. Stearns.....	760,934	May 24	4689	865	110	1096
Coaling-station.....	W. Robertson.....	758,191	Apr. 26	3945	856	109	2242
Coaling-station storage apparatus.....	J. A. MacLennan.....	761,594	May 31	5066	1280	110	1396
Coaster.....	N. Campbell.....	774,948	Nov. 8	1573	336	113	371
Coaster and brake device.....	A. P. Morrow.....	773,333	Oct. 25	4429	939	112	1982
Coaster. Ball.....	H. H. Pattee.....	771,322	Oct. 4	201	43, 44	112	1004
Coaster-brake.....	J. Zimmerman.....	760,720	May 24	4261	907	110	1006
Coaster-brake.....	F. O. Bullis.....	761,577	May 31	5937	1273	110	1389
Coaster-brake.....	C. Glover.....	770,400	Sept. 20	2505	532	112	599
Coasting device.....	W. F. Clark and P. T. Perrault.....	768,977	Aug. 30	5888	1226	111	2412
Coat.....	C. Austern.....	751,242	Feb. 2	877	330	108	1243
Coat.....	H. Quarngeser.....	751,940	Feb. 9	2165	489	108	1540
Coat.....	F. Terramorse.....	762,772	June 14	2297	501	110	1954
Coat-adjuster.....	A. F. Skaren.....	778,804	Dec. 27	4614	1007	113	2473
Coat and hat hanger.....	J. W. Bean.....	775,508	Nov. 22	3982	840	113	955
Coat and hat hook. Wire.....	M. H. and B. F. Burton.....	763,461	June 28	3880	793	110	2301
Coat. Automobile.....	R. Washburn.....	769,809	Sept. 13	1268	372	112	304
Coat-front stiffener.....	R. Fox.....	770,457	Sept. 20	2503	531	112	598
Coat-hanger.....	H. Hoffman.....	759,371	May 10	1633	331	110	389
Coat-collar.....	C. W. Schweidler.....	769,411	Sept. 10	543	118	112	132
Coat-hat, umbrella, &c., rack. Safety.....	R. Eyles.....	749,176	Oct. 13	1268	373	108	311
Coat-pul.....	C. F. Garland.....	766,685	Aug. 2	1130	235	111	1292
Coat. Rain.....	G. Goldman.....	777,625	Dec. 13	2287	502	113	1945
Coat. Storm.....	B. E. Terwilliger.....	758,487	Apr. 26	4535	974	109	2373
Coats, hats, umbrellas, &c. Supporting device for.....	T. A. Jones.....	758,182	Apr. 26	3933	853	109	2240
Coating and lining material for metal objects.....	L. Tabak and C. S. Champion.....	752,480	Feb. 16	3193	715	108	1785
Coating. Composition.....	M. Toch.....	766,781	Aug. 2	1331	111	113	1337
Coating-machine.....	A. H. Stillwagon.....	774,500	Nov. 8	1851	330	113	400
Coating-machine.....	S. J. Hicks.....	751,730	Feb. 9	1744	395	108	1446
Coating-machine.....	G. H. Rupley.....	752,592	Feb. 16	3405	750	108	1834
Coating-machine.....	W. A. Sanders.....	760,020	May 17	2883	603	110	684
Coating-metal objects.....	C. E. Wisner.....	775,694	Nov. 23	4398	928	113	1045
Coating. Mold.....	759,528	May 10	1928	110	457		
Cob-pipe filler.....	A. Johnston.....	772,430	Feb. 16	3193	715	108	1785
Cock.....	J. H. Chapman.....	748,582	Jan. 5	47	108	13	
Cock and faucet mantle guard.....	A. O'Brien.....	771,567	Oct. 4	692	154	112	1106
Cock and safety-valve. Combined angle.....	F. F. Glazier.....	748,720	Jan. 5	310	69, 70	108	69
Cock. Automatic stop and waste.....	F. B. Morrison.....	772,953	Oct. 25	3502	759	112	1772
Cock. Ball.....	T. J. Hutton.....	753,471	Mar. 1	106	26	109	26
Cock. Basin.....	G. E. Stillman.....	767,848	Aug. 16	3443	728	111	1838
Cock. Bib.....	A. F. Morency.....	774,194	Nov. 8	1289	273	113	808
Cock. Cylinder.....	H. W. Daub and J. K. White.....	759,160	May 3	1126	228	110	256
Cock fastener. Basin.....	H. F. Schroeder.....	760,706	May 24	4220	898	110	1000
	C. B. Alvis.....	777,364	Dec. 13	1767	389	113	1893
	J. H. Glauber.....	759,974	Mar. 8	1522	339	109	351

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Cock for pressure brake systems. Angle.	F. B. Morrison	772,952	Oct. 25	3499	759	112	1771
Cock for steam-boilers. Gage.	J. W. C. Prochnow	771,208	Sept. 27	3987	844	112	943
Cock. Gage.	W. L. Morris	750,881	Feb. 2	196	48	108	1101
Cock. Gage.	S. N. Murdoch	751,598	Feb. 9	1881	318	108	1871
Cock. Gage.	S. J. Dunlop	765,229	July 19	2660	553	111	612
Cock. Gage.	A. J. Fink, Jr.	774,510	Nov. 8	1871	406	113	494
Cock. Gas.	J. C. Schlittenhardt and J. E. Dornig	762,001	June 7	759	154	110	1604
Cock. Gas.	W. Tevendale, Jr.	776,816	Dec. 6	706	157	113	1583
Cock or faucet.	M. J. Ryan	769,491	Sept. 6	700	151	112	160
Cock or faucet.	E. L. Walter	769,521	Sept. 6	752	163	112	171
Cock or faucet. Automatically-closing.	C. Douenne	753,964	Mar. 8	1507	336	109	347
Cock or valve. Safety.	D. T. Brown	759,341	May 10	1560	315	110	375
Cock safety attachment. Gas.	R. F. Edwards	757,652	Apr. 19	2903	632	109	1996
Cock. Safety gas.	M. R. Daley	750,822	Feb. 2	73	16	108	1073
Cock. Safety gas.	H. P. Thiele	755,331	Mar. 23	4145	916	109	954
Cock. Safety gas.	H. P. Thiele	755,332	Mar. 23	4147	917	109	954
Cock. Safety gas.	E. D. Booz	771,040	Sept. 27	3654	770	112	871
Cock. Stop.	S. Resek	755,526	Apr. 5	637	141	109	1101
Cock. Stop.	W. T. Wiegand	764,322	July 5	858	161	111	183
Cock. Stop.	F. E. Hummell	766,697	Aug. 2	1149	239	111	1296
Cock. Stop.	W. Theis	772,007	Oct. 11	1585	355	112	1812
Cock. Stop and waste.	J. M. Teabon	754,515	Mar. 15	3633	571	109	612
Cock. Stop and waste.	C. A. Stone	762,260	June 7	1227	264	110	1706
Cock. Stop and waste.	W. Y. Grantland	762,305	June 14	1337	286	110	1750
Cock. Stop and waste.	P. Healey	770,173	Sept. 13	1945	415	112	454
Cock. Tank ball.	F. C. Smith	756,538	Apr. 5	679	146	109	1486
Cock time controlling mechanism. Gas.	C. Russ	773,987	Nov. 1	918	190	113	209
Cock. Time gas.	A. Hare	771,633	Oct. 8	1812	318	112	1029
Cock. Universal compression stop and waste.	G. B. Newton	751,869	Feb. 9	2022	458	108	1508
Cocks. Means for removably mounting gage.	J. R. Tyson	765,524	July 19	3255	682	111	740
Cocks. Operating device for train-pipe.	N. F. Niederlander	755,918	Mar. 29	5294	1169	109	1224
Cockeye.	H. P. Smith	752,189	Feb. 16	2626	582	108	1651
Cocoa-beans, &c. Combined machine for nibbing, grading, and winnowing	S. K. Green.	762,705	June 14	2166	471	110	1927
Cocoa-mill	P. Faust	753,129	Feb. 23	4452	998	108	2089
Coffee, &c. Apparatus for making	F. W. Dallinger	774,977	Jan. 19	2517	535	108	598
Coffee. Cleaning	W. A. Hastings and N. J. Harrington	774,725	Nov. 8	2307	499	113	532
Coffee-drier	E. Penagos	767,594	Aug. 16	2961	620	111	1734
Coffee-drier	D. Gordon	770,320	Sept. 30	2183	455	112	527
Coffee extract. Preparing	F. J. Reichert	758,384	Apr. 26	4343	982	109	2329
Coffee-hulling machine	K. Champney	773,544	Nov. 1	19	4	113	6
Coffee-machine	S. Sternau, J. P. Steppe, and L. Strassburger	775,431	Nov. 22	3829	809	113	923
Coffee-mill	S. T. Wallace	759,781	May 10	2410	504	110	562
Coffee or spice mill	J. W. Kirby	768,531	Aug. 23	4894	1026	111	2183
Coffee or spice mill drawer-spout	G. E. Pearman	764,673	July 12	1608	328	111	367
Coffee or tea pot.	G. E. Pearce and J. W. Chapman	751,565	Feb. 9	1447	328	108	1386
Coffee or tea pot.	G. E. Pearce	752,113	Feb. 16	2495	556	108	1631
Coffee or tea pot.	J. W. Chapman and G. W. Kooman	772,498	Oct. 18	2614	573	112	1560
Coffee-pot	H. Adams	751,709	Feb. 9	1703	388	108	1439
Coffee-pot.	R. L. Vansant	767,778	Aug. 16	3289	695	111	1805
Coffee-pot.	C. Frank	770,426	Sept. 30	2448	518	112	586
Coffee-pot.	D. H. Talbert	772,481	Oct. 18	2577	567	112	1553
Coffee-pot.	E. B. Travis and C. I. Palmblad	773,640	Nov. 1	1	302	113	72
Coffee-pot percolating and circulating attachment.	C. B. Pike	767,595	Aug. 16	2964	620	111	1738
Coffee-roaster	J. E. Herriott	757,743	Apr. 19	3080	671	109	3033
Coffee-roaster	E. T. Shortt	776,358	Nov. 29	5683	1202	113	1832
Coffee. Roasting	T. R. Timby	754,943	Mar. 15	3451	756	109	789
Coffee-roasting apparatus.	G. R. Cottrell	764,226	July 5	652	132	111	146
Coffee scouring and polishing machine	C. Abele	777,877	Dec. 20	2805	616	113	3069
Coffee-separating machine	C. R. Groff	778,576	Dec. 27	4190	913	113	2378
Coffee-treating machine	T. R. Timby	749,340	Jan. 12	1618	342	108	390
Coffee-urn	F. Acker	748,910	Jan. 5	678	149	108	132
Coffee-urn	A. and J. Phillips	753,105	Feb. 23	4439	417	109	2081
Coffee-urn	B. Peterman	755,041	Mar. 22	3918	794	109	842
Coffin	J. Schneider	754,712	Mar. 15	3015	658	109	693
Coffin	J. Donahue	763,092	June 21	2093	632	110	214
Coffin-box	C. D. Rowland and P. R. Cover	765,102	July 12	2438	508	111	546
Coffin-case	E. Kaffer	752,075	Feb. 16	2438	549	108	1615
Coffin-case	F. J. Kelley	771,553	Oct. 4	660	150	112	1101
Coffin-protector	T. J. Brown	771,606	Oct. 4	758	169	112	1121
Coffin raising or lowering device	S. J. Plant	776,797	Dec. 6	667	147	113	1574
Coherer	A. H. Stewart	759,835	May 10	2528	529	110	586
Coherer	W. S. Hogg	763,804	June 28	4496	661	113	735
Coherer	W. W. Massie	755,113	Mar. 22	3918	794	109	842
Coil and making same. Field.	W. D. Litchfield	764,431	July 5	1166	238	111	257
Coil-casing	C. F. Splittordt	759,927	May 17	2693	566	110	640
Coil for electromagnets, &c	F. Klingelfuss	755,229	Mar. 22	3946	873	109	915
Coil-protector	C. Bieger	751,776	Feb. 9	1835	417	108	1464
Coil. Radiating condensing.	R. Jardine	758,077	Apr. 26	3738	812	109	2122
Coil. Reactance	J. J. Frank	762,697	June 14	2150	467	110	1924
Coil. Reactance	J. J. Frank	771,237	Oct. 4	31	6	112	968
Coil. Ruhmkorff	R. Varley	750,039	Jan. 19	3008	645	108	704
Coil-spring	T. A. Shea	775,582	Nov. 22	4173	879	113	997
Coil structure. Field.	C. H. Kaler	759,850	Feb. 2	370	50, 90	108	1139
Coil-winding machine.	J. J. Frank	771,902	Oct. 11	1366	310	112	1265
Coin-actuated-machine attachment	H. C. Hart	767,398	Aug. 9	2440	513	111	1598
Coin-actuated mechanism	S. Aronson	760,722	May 24	4267	907	110	1007
Coin-actuated mechanism	M. N. Tomblin	769,751	Sept. 13	1220	263	112	293

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Coin and ticket holder.....	H. Pawl.....	758,776	May 3	394	79	110	97
Coin. Automatic apparatus for delivering articles in exchange for.....	R. W. Vining.....	749,003	Jan. 5	899	190	108	210
Coin-box.....	J. Williams.....	776,768	Dec. 6	606	132	113	1560
Coin carrier or mailer. Magic.....	P. S. Short and W. S. Poling.....	753,170	Feb. 23	4558	1016	108	2107
Coin-changer.....	C. C. Jackson.....	750,976	Feb. 2	383	88	108	1138
Coin-chute fraud preventive.....	O. J. Buck.....	771,349	Oct. 4	252	55	112	1014
Coin-collecting box or receptacle.....	J. C. Hansen-Ellehammer.....	755,768	Mar. 29	4998	1111	109	1156
Coin-collector.....	F. R. McBerty.....	771,920	Oct. 11	1402	318	112	1272
Coin-containing packages. Paper carton for.....	J. M. Johnson.....	768,664	Aug. 30	5196	1093	111	2267
Coin-controlled apparatus.....	M. Sielaff.....	750,314	Jan. 26	3528	762	108	886
Coin-controlled apparatus.....	H. H. Cummings.....	750,819	Feb. 2	61	13	108	1071
Coin-controlled apparatus.....	T. F. Solon.....	751,420	Feb. 2	1133	299	108	1308
Coin-controlled apparatus.....	W. Webber.....	757,530	Apr. 19	2644	579	109	1938
Coin-controlled apparatus.....	A. E. Wells.....	760,502	May 24	3806	807	110	908
Coin-controlled apparatus.....	W. R. Verstraelen and C. Alter.....	769,672	Sept. 6	1014	220	112	231
Coin-controlled apparatus.....	J. C. Copeland.....	777,402	Dec. 13	1339	406	113	1850
Coin-controlled dispensing apparatus.....	D. Sullivan.....	757,090	Apr. 19	2975	647	109	2011
Coin-controlled machine.....	P. E. Berger.....	763,040	June 21	2820	612	110	2090
Coin-controlled-machine automatic register.....	C. S. Ellis and F. D. Powell.....	754,553	Mar. 15	2695	586	109	624
Coin-controlled mechanism.....	S. Fraschl.....	752,659	Feb. 16	3335	790	108	1354
Coin-controlled mechanism.....	H. Meyer.....	773,405	Oct. 25	4580	968	112	2015
Coin-controlled operating-machine.....	D. James.....	764,056	July 5	282	54	111	64
Coin-controlled slot or vending machine and coin-testing mechanism therefor.....	L. J. Disser.....	775,671	Nov. 22	4353	918	113	1036
Coin counting and delivery machine.....	L. Sumner.....	757,362	Apr. 12	2294	501	109	1847
Coin counting and packaging machine.....	E. N. Gilfillan.....	757,612	Apr. 19	2821	616	109	1976
Coin-counting machine.....	C. C. Linindoll.....	765,741	July 26	3700	789	111	846
Coin counting, registering, and wrapping machine.....	C. S. Batdorf.....	751,246	Feb. 2	882	202	108	1244
Coin counting, registering, and wrapping machine.....	C. S. Batdorf.....	758,733	May 3	306	60	110	78
Coin-delivering apparatus. Automatic.....	E. Janik.....	776,784	Dec. 6	633	139	140	1566
Coin-detector.....	F. G. Hartell.....	757,741	Apr. 19	3076	670	109	2032
Coin-detector for coin-actuated devices.....	B. M. Davis.....	753,961	Mar. 8	1499	335	109	846
Coin-freed apparatus.....	J. Jofeh.....	768,289	June 21	3307	715	110	2197
Coin-holder.....	D. J. Cable.....	756,326	Apr. 5	261	55	109	1400
Coin-holder or change-maker.....	J. W. Jones.....	777,378	Dec. 13	1796	398	113	1840
Coin-operated apparatus.....	J. Heissenberger.....	755,130	Mar. 22	2762	827	109	875
Coin-pocket attachment for envelops, &c.....	W. H. Coleman.....	761,583	Mar. 31	5946	1276	110	1392
Coin receiving, delivering, sorting, registering, and detecting machine.....	E. H. Spear and E. Moriarty.....	750,718	Jan. 26	4273	923	108	993
Coin-receptacle.....	R. H. Bishop and W. Down.....	759,067	May 3	951	193	110	217
Coin-receptacle.....	J. Anderson.....	761,435	May 31	5692	1212	110	1334
Coin-receptacle.....	H. P. Townsend.....	768,522	June 28	3776	816	110	2320
Coin-receptacle.....	J. W. Stephens.....	774,707	Nov. 8	2336	487	113	1512
Coin-receptacle.....	H. P. Townsend.....	776,702	Dec. 6	470	104	113	1531
Coin-receptacle locking mechanism.....	R. J. Louis.....	767,298	Aug. 9	2368	495	111	1583
Coin-sorter.....	C. S. Batdorf.....	748,836	Jan. 5	531	122	108	121
Coins. Machine for operating upon.....	J. E. Doldt.....	748,934	Jan. 5	736	160	108	167
Coke-drawing machine.....	J. A. Hebb.....	749,058	Jan. 5	1024	216	108	236
Coke-extractor.....	W. H. McConnell.....	768,067	Aug. 23	3922	823	111	1964
Coke from ovens. Machine for discharging.....	J. Kershgens.....	753,142	Feb. 23	4504	1003	108	2094
Coke-handling apparatus.....	C. W. Hunt.....	752,904	Feb. 23	4032	903	108	1988
Coke. Making.....	M. R. Conley.....	763,969	June 28	3492	754	110	2260
Coke-oven.....	H. Koppers.....	733,146	Feb. 23	4510	1005	108	2095
Coke-oven.....	J. B. Beam.....	760,372	May 17	3538	745	110	829
Coke-oven.....	J. S. Maxwell.....	761,531	May 31	5834	1248	110	1366
Coke-oven.....	C. Schroeter.....	761,789	June 7	351	71	110	1517
Coke-oven.....	J. H. Bowling.....	769,246	Sept. 6	213	50	112	47
Coke-oven.....	T. Bauer.....	770,151	Sept. 13	1901	405	112	445
Coke-oven.....	G. S. Ramsay.....	773,809	Nov. 1	514	113	113	119
Coke-oven-charging machine.....	S. T. and C. H. Wellman, J. W. Scherer, and T. R. Morgan.....	754,263	Mar. 8	2058	457	109	468
Coke-oven-discharging implement.....	A. J. Doss.....	773,266	Nov. 15	3470	723	113	823
Coke-oven-discharging machine.....	H. King.....	775,182	Nov. 15	3251	696	113	766
Coke-oven-discharging machine.....	A. J. Doss.....	775,211	Nov. 15	3325	710	113	782
Coke-oven door.....	B. Troutman.....	750,323	Jan. 26	3548	766	108	841
Coke-oven-door hoist.....	C. S. Mason.....	757,134	Apr. 12	1848	404	109	1753
Coke-oven. Electric.....	M. R. Conley.....	763,368	June 28	3490	754	110	2260
Coke-oven. Horizontal.....	H. Poetter.....	766,898	Aug. 9	1596	334	111	1414
Coke-oven. Retort.....	A. C. Kionan.....	737,469	Apr. 19	2518	553	109	1909
Coke-oven. Retort.....	W. M. Scott.....	757,509	Apr. 19	2599	569	109	1927

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Coke-puller	A. J. Doss	757,333	Apr. 12	2119	462	109	1811
Coke-puller	J. E. Jones	757,312	Apr. 12	2206	482	109	1829
Coke-puller	J. E. Jones and H. King	775,177	Nov. 15	3243	694	113	764
Coke-puller	J. E. Jones and H. King	775,178	Nov. 15	3246	694	113	764
Coke-puller	J. E. Jones	775,179	Nov. 15	3247	694	113	764
Coke-puller	J. E. Jones	775,180	Nov. 15	3249	695	113	765
Coke-puller	H. King	775,183	Nov. 15	3255	696	113	766
Coke-puller	F. C. Somes	775,197	Nov. 15	3285	702	113	774
Coke-puller	H. King	775,221	Nov. 15	3355	715	113	789
Coke-puller	H. King	775,275	Nov. 15	3488	736	113	827
Coke-puller, Mechanical	F. C. Somes	775,186	Nov. 15	3238	702	113	774
Coke, Quenching and bleaching	E. A. Moore	755,155	Mar. 22	3810	841	109	885
Coke quenching and bleaching apparatus	E. A. Moore	755,154	Mar. 22	3807	839	109	884
Coke quenching and bleaching apparatus	E. A. Moore	774,330	Nov. 8	1540	330	113	364
Coke-quenching apparatus	C. S. Price	761,251	May 31	5336	1133	110	1255
Coking coal	C. F. Spaulding	769,241	Sept. 6	200	48	112	44
Colander, Fruit	L. P. Castie	774,350	Nov. 8	1576	481	113	372
Cold-air chamber or refrigerator	L. Mantell and W. J. Prim	754,328	Mar. 8	2173	482	109	491
Cold-storage apparatus	M. Cooper	754,749	Mar. 15	3074	671	109	707
Coliseum-chair	M. C. Henley	755,133	Mar. 22	3767	839	109	876
Collapsible box	C. H. Stonebridge	760,690	May 24	4134	879	110	979
Collapsible box	R. A. Crutchfield	765,356	July 19	2917	609	111	667
Collapsible box	C. F. Ramsay	777,695	Dec. 20	2418	531	113	1990
Collapsible chair	W. F. C. Weidenbaum	768,643	Aug. 30	5157	1083	111	2259
Collapsible chair	W. F. C. Weidenbaum	773,308	Oct. 25	4373	924	112	1970
Collapsible tube	J. A. Symonds	766,556	Aug. 2	849	178	111	1227
Collapsible tube and spreader, Combined	C. L. Huddle	749,486	Jan. 12	1943	403	108	455
Collar	F. P. Sharp	756,293	Apr. 5	203	43	109	388
Collar	A. L. Willard	768,498	Aug. 23	4392	1013	111	2419
Collar	A. Johnson	770,070	Sept. 13	1758	371	112	414
Collar	H. L. Alkus, C. A. Sinclair, and W. T. Krigbaum	770,250	Sept. 20	2100	442	112	507
Collar	G. P. Cragin	772,716	Nov. 1	354	79	113	84
Collar and necktie retainer	O. F. Amburn	753,784	Mar. 1	1103	250	109	339
Collar-blocking machine, Horse	W. E. Penn	755,239	Mar. 22	3965	880	109	916
Collar-blocking machine, Horse	W. E. Penn	755,534	Mar. 22	4501	1001	109	1030
Collar-clasp	J. Clement	749,168	Jan. 12	1954	370	108	308
Collar, Dog	F. H. Erb, Jr.	755,473	Mar. 22	4403	975	109	1009
Collar, Dog	F. H. Erb, Jr.	765,823	July 26	3874	824	111	882
Collar-fastener, Combination	M. Olsson	755,162	Mar. 22	3823	845	109	888
Collar-fastener, Horse	S. O. Sheldon and P. Butterfuss	760,492	May 24	3789	802	110	904
Collar-fastening device	E. Sibbald	774,339	Nov. 8	1553	333	113	1990
Collar, Horse	J. V. Stone	771,353	Feb. 2	1086	246	108	1229
Collar, Horse	F. A. Pett	751,551	Feb. 9	1414	322	108	1378
Collar, Horse	H. Sellon	753,437	Mar. 1	412	96	109	89
Collar, Horse	J. H. Miller	760,544	May 24	3890	826	110	927
Collar, Horse	A. G. Couch, (Reissue)	12,221	May 24	4052	1050	110	1152
Collar, Horse	A. G. Couch and E. W. Crim	765,557	July 19	3332	696	111	753
Collar, Horse	A. G. Couch	765,558	July 19	3323	696	111	754
Collar, Horse	B. F. Chapman	767,102	Aug. 9	1999	416	111	1505
Collar, Horse	J. N. Schmitz	769,026	Aug. 30	5369	1241	111	2435
Collar, Horse	W. B. Estes	771,203	Sept. 27	3978	841	112	941
Collar, Horse	H. A. Fontaine	778,184	Dec. 20	3417	751	113	2193
Collar or cuff holder	E. L. Pitts	752,587	Feb. 16	3395	757	108	1831
Collar, Pneumatic horse	E. L. Sill	753,009	Feb. 23	4263	950	108	2041
Collar, Pneumatic horse	W. Ost	761,969	June 7	736	150	110	1600
Collar rack, Horse	F. M. Cook	752,203	Feb. 16	2660	589	108	1668
Collar-shaper	H. A. Twigg	752,269	Feb. 16	2795	619	108	1700
Collar shaping and drying device	S. B. Dane	764,524	July 5	1259	258	111	275
Collar, Split	D. B. Snyder	772,634	Oct. 1	2864	628	112	1615
Collar, Split set	H. C. Cowen	769,232	Sept. 6	228	53	112	50
Collar-stretching apparatus	A. Sharp	751,019	Feb. 2	436	103	108	1153
Collar-stretching machine	J. A. Taylor	778,156	Dec. 20	3358	737	113	2183
Collar-stuffing machine	C. L. Allen	767,196	Aug. 2	291	457	111	1545
Collar-supporter, Lady's	K. D. Stevenson	753,403	May 10	1698	344	110	494
Collar-turning apparatus	J. T. Walther	774,147	Nov. 8	1920	256	113	288
Collar with combination-plate, Throatless horse	H. H. Vogelsang	767,371	Aug. 9	2498	523	111	1611
Collector-ring	J. G. Reist	771,325	Oct. 4	207	45, 46	112	1005
Collector-ring and means for securing it into position	H. F. T. Erben	769,993	Sept. 13	1642	347	112	386
Collector-rings and brush-holders	K. F. Elers	753,631	May 3	52	10	110	16
Color binding mediums, Production of	C. H. Voigt	770,202	Sept. 13	2013	112	112	469
Color-blending wheel	C. Scott	748,661	Jan. 5	206	50	108	45
Color-comparator or color-screen, Translucent	A. E. Outerbridge, Jr.	764,622	July 12	1493	305	111	537
Color, Red azo	P. Julius and C. Winter	765,079	July 12	2400	111	113	349
Color, Yellow-red azo	W. Trau	765,080	July 12	2401	111	113	357
Colors, Preparation of salts of iron for use in oil-coloring apparatus, Yarn	R. Vidal	768,574	June 28	3878	110	113	2943
Coloring apparatus, Yarn	A. Fornander	750,758	Jan. 26	4389	947	108	1022
Coloring-machine	A. C. Hough	757,554	Apr. 19	2695	569	111	1838
Coloring-matter and producing same	G. J. Kaufmann	767,894	Aug. 16	3538	111	113	1948
Color	T. W. Travis	749,591	Jan. 12	2131	444	108	499
Colter	J. P. Hey	776,135	Nov. 29	5260	1112	113	1255
Colter-fastener	C. Mueller	762,079	June 7	897	185	110	1632
Colter, Plow	J. B. Hamilton	766,034	July 26	4268	914	111	968

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				Spec.	Dr'g	Vol.	Page.
Column	J. C. Petersen	720,347	May 17	3507	787	110	829
Column	E. Heeger	775,489	Nov. 22	3946	894	118	948
Column. Metal-and-concrete	R. A. Cummings	764,883	July 12	2015	416	111	457
Column. Metal-work	T. L. Sewell	769,641	Sept. 6	956	207	112	218
Column. Metallic	E. Ohnstrand	788,331	Apr. 26	4252	913	109	2310
Column. Sectional	J. D. Buckley	763,957	July 5	13	3	111	5
Column. Wood	J. W. Hartmann	775,355	Nov. 22	3688	783	113	891
Columns, &c. Binding device for	J. W. Hartmann	775,351	Nov. 22	3655	774	113	884
Comb.							
See Circle-Comb.	Puff-Comb.						
Currycomb.	Side-Comb.						
Expansion-Comb.	Toilet-Comb.						
Ornamental-Comb.	Tuck-Comb.						
Pompadour-Comb.	Warper-Comb.						
Comb.	W. S. Bechtold	749,471	Jan. 12	1914	397	108	449
Comb.	A. W. Cummins	749,533	Jan. 12	2028	421	108	474
Comb.	W. S. Bechtold	750,238	Jan. 10	3373	739	108	447
Comb.	L. E. Edgar	754,206	Mar. 8	1933	434	109	477
Comb.	C. H. Howe	756,367	Apr. 5	361	73	109	1420
Comb.	N. D. Ingram	757,042	Apr. 12	1669	361	109	1713
Comb.	A. F. Mott	760,906	May 24	4637	988	110	1086
Comb.	F. Font	762,037	June 7	81	168	110	1615
Comb.	C. E. Miller	763,012	June 21	2772	601	110	2080
Comb.	K. Tozetti	764,165	July 5	513	101	111	113
Comb.	K. Tojetti	778,467	Dec. 27	3998	869	113	2338
Comb and brush. Combined	A. B. Durgin	761,664	June 7	75	12	110	1454
Comb-cleaner	F. P. Bjorncrantz	753,225	Mar. 1	13	4	109	6
Comb-cleaner	L. Casper	765,700	July 26	3606	766	111	829
Comb for applying liquid to the scalp	J. B. O'Higgins	750,388	Jan. 26	3651	793	108	864
Comb-starters. Gage for cutting foundation	J. E. and J. L. Enyart	778,233	Dec. 27	3500	770	113	2321
Combs from celluloid. Manufacture of	C. Bensinger	759,413	May 10	1712		110	408
Combs. Traverse mechanism for warper	A. E. Rhoades	774,696	Nov. 8	2212	462	113	507
Combing-machine attachment	A. A. Sack	774,399	Nov. 8	1655	355	113	369
Combing machine. Silk	H. H. Rollins	773,811	Nov. 1	519	113	113	120
Combing machine. Wool	F. G. Derwick and S. Hadfield	764,791	July 12	1835	375	111	418
Combing machine. Wool	T. K. Lee	768,381	Aug. 23	4619	967	111	2126
Combing-wheel	F. L. Cross	763,159	June 21	3063	660	110	2144
Combination-case	W. E. Chatterton	755,615	Mar. 29	4668	1038	109	1082
Combination-furnace	J. F. Hughes	771,833	Oct. 11	1192	255	112	1229
Combination-lock	W. H. Bright	769,146	Sept. 6	9		112	4
Combinational chair	D. Hoecke	768,960	Aug. 30	5864	1230	111	2418
Combustion. Controlling	H. F. Smith	759,038	May 3	900	183	110	207
Combustion. Method of	C. E. Lucke	755,376	Mar. 22	4234	937	109	975
Combustion-motor	J. F. Bentz	750,393	Jan. 26	3523	773	108	845
Combustion of fuel. Promoting	A. Timmis	772,760	Oct. 18	3129	682	112	1671
Combustion. Producing complete.	H. C. Caldwell	776,171	Nov. 29	5334	1127	113	1272
Combustion-regulating means	J. M. W. Kitchen	762,912	June 21	2587	562	110	2088
Combustion-regulating means	J. M. W. Kitchen	762,913	June 21	2594	562	110	2040
Combustion-regulating means	J. M. W. Kitchen	767,569	Aug. 16	2906	608	111	1722
Combustion structure	G. C. Savage	758,281	Apr. 26	4136	893	109	2283
Commercial instrument and book	O. C. St. Clair	764,262	July 5	707	143	111	157
Commercial security	J. Dunne	761,212	May 31	5258	1116	110	1238
Commode	M. B. Smythe	776,095	Nov. 29	5188	1096	113	1237
Commode. Douche	S. and M. Fischer	777,135	Dec. 13	1440	318	113	1729
Commode. Portable	B. A. Randolph	765,440	July 19	3086	646	111	704
Commutator	J. H. Brown	771,858	Oct. 11	1265	284	112	1244
Commutator	M. Milch	773,881	Nov. 1	699	146	113	160
Commutator. Automatic	J. H. Mercadier	757,942	Apr. 19	3432	747	109	2115
Commutator-brushes. Means for preventing arcing between	E. Thomson	768,157	Apr. 26	3884	843	109	2230
Commutator. Dynamo-electric-machine	F. W. Young	752,634	Feb. 16	3516	782	108	1857
Commutator for telephonic or other circuits	C. H. Pröft	754,011	Mar. 8	1532	333	109	365
Commutator-lead and making same	C. F. Adams	751,440	Feb. 9	1219	272	108	1335
Compacting finely-divided materials	P. Lorillard	773,875	Nov. 1	690	144	113	159
Compacting finely-divided materials	P. Lorillard	773,876	Nov. 1	687	144	113	158
Compacting finely-divided materials. Apparatus for	P. Lorillard	773,877	Nov. 1	691	144	113	159
Compacting finely-divided materials. Apparatus for	P. Lorillard	773,878	Nov. 1	692	145	113	159
Compass	G. I. Herrick	765,426	July 19	3049	638	111	696
Compass and level attachment for vehicles	R. Finkelson	764,444	July 5	1009	223	111	243
Compass attachment	J. Royer	762,761	June 14	2374	495	110	1948
Compass. Beam	N. B. Stone	760,353	May 17	3514	739	110	824
Compass-correcting device	F. Morrison	769,870	Sept. 13	1400	298	112	335
Compasses	G. Schoener	755,395	Mar. 22	4271	943	109	982
Compasses	G. Schoener	755,396	Mar. 22	4272	944	109	982
Compasses	G. Le Blanc	768,333	Aug. 23	4483	942	111	2088
Compasses. Drawing	C. W. MacDonald	774,327	Nov. 8	1335	329	113	369
Compasses. Electrical contact means for ships	B. Freese	762,040	June 7	825	169	110	1616
Compensating device	W. Y. Cruikshank	758,584	Apr. 26	4734	1020	109	2417
Compiling statistics. Apparatus for	C. F. Pidgin	755,695	Mar. 29	4628	1072	109	1120
Composing-machine justifying device	J. A. Watson	753,336	Mar. 1	217	49	109	50
Composing-stick	R. D. Tuttle	772,116	Oct. 11	1817	403	112	1364
Composing-stick tilter	S. Lack	769,443	Sept. 6	596	130	112	135
Composite block for soft treads and making same	W. A. Lynch	749,978	Jan. 19	2867	617	108	678
Composite board	J. W. Zaring	759,809	May 17	3513	734	110	827
Composite board for doors, panels, &c.	J. S. Anderson	749,511	Jan. 12	1093	414	108	466
Composite drill	W. R. Down	756,339	Apr. 5	292	60	109	1406

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Composite post	I. L. Landis	774,438	Nov. 8	1725	370	113	408
Composite post	J. J. Luck	774,441	Nov. 8	1729	372	113	404
Composite structure	H. A. Crane	769,941	Sept. 13	1536	327	112	363
Composition	H. J. Livingston	777,794	Dec. 20	2604	113	2029	
Composition of matter	M. A. Dillard	752,660	Feb. 23	3569	108	1886	
Composition of matter	W. A. Price	7-3,310	Mar. 1	176	109	41	
Composition of matter	W. Lenderoth	753,407	Mar. 1	342	109	76	
Composition of matter	C. Ellis	760,185	May 17	3217	110	758	
Composition of matter	G. H. Turnbull	768,870	Aug. 30	5617	111	2360	
Composition of matter	E. Davènes	769,305	Sept. 6	346	112	75	
Composition of matter	E. C. May	770,083	Sept. 13	1776	112	418	
Composition of matter	L. Champowich	770,675	Sept. 20	2932	112	696	
Composition of matter	L. Champowich	774,156	Nov. 8	1218	113	292	
Composition of matter and producing same	H. Wolf	756,759	Apr. 5	1081	109	1574	
Composition post	W. W. Northrup	752,354	Feb. 6	2939	108	1736	
Compound	G. S. Yingling	770,883	Sept. 27	3346	112	804	
Compound engine	R. H. White	753,021	Feb. 23	4296	108	2049	
Compound engine	F. Lincoln	755,508	Mar. 22	4455	990	1019	
Compound engine	C. J. Mellin	756,673	Apr. 5	916	109	1389	
Compound engine	S. Rothschild	757,965	Apr. 19	3493	109	2125	
Compound engine	G. W. Sutcliffe	757,318	Nov. 22	3582	757	113	866
Compound fabric	F. B. Uebel	761,051	May 24	4947	1048	110	1151
Compress	J. Shipway	775,611	Nov. 22	4223	889	113	1009
Compress. Hydraulic	S. J. Webb	764,647	July 12	1549	816	111	355
Compressed-air lubricator	G. W. Gapen	760,190	May 17	3226	677	110	760
Compressing and straining machine	F. J. Farner	772,230	Oct. 11	2050	450	112	1414
Compressing-dies	T. A. Edison	754,755	Mar. 15	3084	674	109	709
Compressing-machine	B. McGovern	771,921	Oct. 11	1408	112	1274	
Compressing material into form. Attachment for machines for	H. J. Flood	759,259	May 10	1397	280	110	339
Compressing mechanism	W. M. Holmes	758,233	Apr. 26	4075	882	109	2270
Compressometer	W. J. Tretch	753,015	Feb. 23	4277	582	108	2044
Compressor	J. Shipway	730,313	Jan. 23	3326	762	108	835
Compressor	I. Carlier	766,017	July 26	4243	906	111	963
Compressors, &c. Regulator for	R. Conrader	775,393	Nov. 22	3752	794	113	905
Computer and printer	W. H. Clark	773,057	Oct. 25	3743	803	112	1825
Computing device. Wage-	M. F. Teicher	771,845	Oct. 11	1233	274	112	237
Computing-machine	F. S. Weyers	751,706	Feb. 9	1697	386	108	1437
Computing-machine	J. A. Scott and W. F. Taylor	757,508	Apr. 19	2597	367	109	1927
Computing-machine	C. W. Draper and W. H. Robertson	759,164	May 3	1132	231	110	257
Computing-machine	A. T. Deane and G. Couture	773,549	Nov. 1	36	8	113	12
Computing-machine	H. H. Helmick. (Reissue)	12,296	Dec. 27	4683	1024 1025 1026	113	2489
Computing machine. Interest-	I. N. Sweet	768,089	Aug. 23	4003	842 843 844	111	1984
Computing-register. Automatic	B. M. Des Jardins	763,966	July 5	46	8	111	16
Concentrating and amalgamating machine	F. J. Bonnington	759,153	May 3	1112	225 226	110	253
Concentrating and amalgamating table. Combined	J. Klein	760,213	May 17	3270	686	110	769
Concentrating-machine	A. H. Stebbins	775,946	Nov. 29	4889	1034	113	1169
Concentrating-machine	A. H. Stebbins	775,947	Nov. 29	4893	1035	113	1170
Concentrating-table	J. Klein and C. D. McLure	760,214	May 17	3272	687	110	770
Concentrating-table	G. A. Overstrom	763,783	June 28	4278	931 932	110	2489
Concentrating-table	G. A. Overstrom	763,784	June 28	4286	933	110	2430
Concentrating-table actuating mechanism	G. A. Overstrom	763,785	June 28	4289	934	110	2431
Concentrator	L. R. Tulloch	748,819	Jan. 5	495	112	108	112
Concentrator	L. F. Schoenefeldt	749,104	Jan. 5	1111	235 236	108	255
Concentrator	D. M. Storey	749,706	Jan. 12	2251	496	108	545
Concentrator	W. G. Anderson	750,075	Jan. 19	3080	662	108	717
Concentrator	H. Wismeyer	751,424	Feb. 2	1191	271	108	1310
Concentrator	J. Ruedy	757,350	Apr. 12	2275	497	109	1843
Concentrator	W. L. and F. S. Card	758,413	Apr. 26	4406	946 947	109	2343
Concentrator	L. C. Graupner	758,438	Apr. 26	4457	958	109	2356
Concentrator	C. H. Muhleman	764,197	July 5	590	117	111	131
Concentrator	C. A. Smith	772,540	Oct. 18	2685	590	112	1576
Concentrator	F. T. Le Strange	776,189	Nov. 29	5363	1135	113	1278
Concentrator	F. M. Dillon and W. G. Wilson	776,647	Dec. 6	355	76, 77	113	1507
Concentrator	H. E. Horn	776,668	Dec. 6	389	84, 85	113	1514
Concentrator	W. L. and F. S. Card	777,838	Dec. 20	2717	598 599	113	2032
Concentrator and amalgamator. Combined	H. J. Russell	750,706	Jan. 26	4250	923	108	988
Concentrator. Drip	C. F. Du Bois	769,211	Sept. 6	132	32, 33	112	30
Concentrator. Sand-	E. S. Bennett	777,176	Dec. 13	1408	311	113	1755
Concentrator. Solution-	J. U. Lloyd	777,115	Dec. 13	1301	287	113	1732
Concrete-and-iron structure	C. Redlich	770,983	Sept. 27	3357	745	112	849
Concrete-and-metal structure	R. A. Cummings	761,287	May 31	5418	1152	110	1271
Concrete-and-metal structure	R. A. Cummings	761,288	May 31	5420	1152	110	1271
Concrete-beam reinforcement	G. Brady	751,427	Feb. 2	1196	272	108	1311
Concrete-block machine	G. Brady	777,070	Dec. 13	1222	268	113	1715
Concrete-block mold	G. S. Tiffany	761,727	June 7	209	40	110	1485

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Concrete-block mold.....	D. Griggs.....	765,424	July 19	3046	637	111	695
Concrete-block mold.....	T. A. McMurtrie.....	768,904	Aug. 30	5684	1195	111	2378
Concrete-block-molding machine.....	T. Podmore.....	773,099	Oct. 25	3882	829	112	1859
Concrete-block-molding machine.....	T. Podmore.....	772,202	Oct. 11	2178	476	112	1445
Concrete-brick-pressing machine.....	H. H. Spears.....	777,155	Dec. 13	1372	302	113	1747
Concrete bricks, &c. Apparatus for the manufacture of.....	L. J. Dumm.....	753,249	Mar. 1	63	16, 17	109	16
Concrete-building-block-forming machine.....	R. T. Frost.....	772,553	Oct. 18	2729	599	112	1586
Concrete-building-block-forming machine.....	J. H. Stewart.....	777,557	Dec. 13	2145	469	113	1916
Concrete-building-block-molding apparatus.....	W. Porten.....	762,194	June 7	1095	232	110	1677
Concrete-building-block-molding apparatus.....	W. Porten.....	762,250	June 7	1204	259	110	1701
Concrete building-blocks. Car for drying.....	W. E. Ellenberger.....	764,184	July 5	545	107	111	120
Concrete building-blocks. Making.....	F. A. Malette.....	751,089	Feb. 2	563	138	108	1182
Concrete cisterns or tanks. Apparatus for making.....	J. Wearth.....	775,290	Nov. 15	3520	731	113	893
Concrete composition. Heat-resisting and fireproof.....	H. L. Dunn.....	768,983	Aug. 30	5849	111	2414	
Concrete construction. Armed or stiffened.....	F. Melber.....	778,422	Dec. 27	3901	849	113	2317
Concrete construction. Reinforced.....	A. G. Considere.....	752,523	Feb. 16	3275	790	108	1803
Concrete-construction binder.....	H. L. Lewman.....	767,582	Aug. 16	2939	615	111	1730
Concrete construction. Mold for metal.....	C. Weber.....	759,573	May 10	2014	412	110	475
Concrete-construction mold. Metal.....	C. Weber.....	754,626	Mar. 15	2832	618	109	651
Concrete construction. Reinforced.....	H. Kampmann.....	762,479	June 14	1702	366	110	1827
Concrete constructions. Adjustable mold for reinforced.....	A. Bentley.....	772,398	Oct. 18	2404	537	112	1516
Concrete-constructor.....	T. Hanlon.....	765,360	July 19	2927	611	111	669
Concrete-floor construction.....	F. J. Lyons.....	768,233	Aug. 23	4295	904	111	2047
Concrete, &c. Machine for mixing.....	E. J. Kenisell.....	754,927	Mar. 15	3401	743	109	777
Concrete-mixer.....	H. Campbell.....	764,557	July 12	1354	275	111	313
Concrete-mixers. Rotary feeding device for.....	S. P. McKelvey.....	751,541	Feb. 9	1390	317	108	1372
Concrete-mixing machine.....	R. H. L. Cooper.....	773,375	Oct. 25	4515	955	112	2001
Concrete-molding apparatus.....	G. M. Graham.....	760,446	May 24	3694	782	110	82
Concrete or cement building-block-molding machine.....	J. W. Tinstman.....	774,007	Nov. 1	946	196	113	215
Concrete pile.....	G. H. Poor.....	775,470	Sept. 20	2544	542	112	607
Concrete-pile forming. Pile-core for.....	A. A. Raymond.....	777,351	Dec. 13	1745	337	113	1829
Concrete piles. Apparatus for use in making.....	W. C. Lyon.....	767,346	Mar. 8	2313	305	109	523
Concrete piles. Forming.....	F. Shuman.....	752,003	Feb. 9	2305	515	108	1570
Concrete piles. Forming.....	F. Shuman.....	753,008	Feb. 23	4262	949	108	2041
Concrete piles. Forming.....	F. Shuman.....	768,213	June 21	3168	681	110	2168
Concrete piles. Making.....	W. C. Lyon.....	754,375	Mar. 8	2312	505	109	522
Concrete piles. Sectional core for making.....	G. H. Poor.....	777,392	Oct. 25	3402	680	109	8042
Concrete. Reinforced.....	E. B. Jarvis.....	778,247	Dec. 27	3335	776	113	2238
Concrete-steel construction.....	P. Kühn.....	773,327	Oct. 25	4409	936	112	1978
Concrete-structure mold.....	D. W. Boyes.....	760,141	May 31	5125	1089	110	1209
Concrete structures. Iron bearer for.....	T. Franke.....	749,987	Jan. 19	3216	622	108	685
Concrete walk.....	G. H. Glover.....	772,932	Oct. 25	3402	730	112	1763
Concrete-wall-making apparatus.....	H. Dohl.....	763,376	June 28	3506	756	110	2284
Concrete-wall mold.....	C. E. Shumway.....	759,031	May 3	880	179	110	202
Concrete-wall mold.....	P. H. Clingan.....	762,144	June 7	1015	211	110	1653
Concrete-wall-molding apparatus.....	H. L. Shute and H. C. Henschen.....	775,606	Nov. 22	4342	916	113	1034
Concrete-wall-molding apparatus.....	H. L. Shute and H. C. Henschen.....	775,685	Nov. 22	4381	924	113	1043
Concrete walls, &c. Building.....	D. G. Gray.....	751,789	Feb. 9	1858	423	108	1470
Concrete walls. Molding-form for.....	E. B. Jarvis.....	778,383	Dec. 27	4211	918	113	2382
Condenser.....	T. Douglas and G. L. Conroy.....	753,555	Mar. 1	652	147	109	143
Condenser.....	O. H. Mueller.....	758,060	Apr. 26	3755	817	109	2199
Condenser.....	T. M. Eynon.....	763,169	June 21	3083	664	110	2149
Condenser.....	T. M. Eynon.....	765,463	July 19	3149	658	111	717
Condenser.....	C. Caille.....	767,384	Aug. 16	2530	531	111	1635
Condenser.....	M. A. Herold.....	769,979	Sept. 6	483	107	112	110
Condenser.....	O. S. Still.....	770,127	Sept. 13	1862	396	112	437
Condenser.....	F. J. Weiss.....	771,315	Oct. 4	585	131	112	1083
Condenser.....	J. Grouvelle and H. Arquebourg.....	772,279	Oct. 11	2158	471	112	1441
Condenser.....	J. Splittdorf.....	774,115	Nov. 1	1150	245	113	240
Condenser.....	A. Koestner and C. J. Harms.....	775,277	Nov. 15	3492	736	113	828
Condenser. Injector.....	J. F. A. Bruun.....	762,801	June 14	2353	513	110	1967
Condenser. Locomotive-tank.....	F. Burger and H. M. Williams.....	753,357	Mar. 1	252	57	109	57
Condenser. Steam.....	W. F. Eicke.....	749,549	Jan. 12	2065	499	108	484
Condenser. Steam.....	R. W. Knapp.....	753,404	Mar. 1	839	76, 77	109	76
Condenser. Surface.....	L. R. Alberger.....	764,511	July 12	1323	269	111	307
Condenser system.....	W. C. Brown.....	758,615	May 3	12	3	110	6
Condenser system.....	F. Ray.....	777,138	Dec. 13	1346	298	113	1742
Condenser. Vacuum-pan.....	J. F. Utrilla.....	769,574	Sept. 6	843	180	112	161
Condenser. Variable air-gap.....	F. F. Strong.....	775,371	Nov. 22	4725	1000	113	1114
Condensing apparatus.....	D. M. Livingston.....	767,905	Aug. 16	3544	750	111	1861
Condensing apparatus.....	C. W. Nason.....	772,428	Oct. 18	2465	540	112	1590
Condensing apparatus. Steam.....	H. A. Due, Jr.....	753,247	Mar. 1	55	15	109	15
Condensing-coil.....	R. Whitaker.....	749,247	Jan. 12	1414	303	108	344
Condensing exhaust-steam.....	J. Tinsley.....	773,350	Oct. 25	4469	946	112	1991
Condensing vaporous fluid. Apparatus for.....	W. S. Colwell.....	750,813	Feb. 2	51	11, 12	108	1068
Condiment-holder.....	I. W. Livingston.....	763,916	June 28	4544	991	110	2484
Condiment-holder. Composite.....	L. B. Parker.....	750,688	Jan. 26	4315	914	108	933
Conducting-cord. Flexible.....	H. B. Holmes.....	732,840	Feb. 23	3907	876	108	1359

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Conductor hanger. Overhead.	S. H. Cochran and A. E. Anderson.	765,917	July 26	4088	863	111	919
Conductor-point-operating mechanism. Overhead.	C. G. Goord.	765,136	July 12	2495	522	111	558
Conductors. Safety device for strong-current over-head	C. C. van der Valk	763,223	June 21	3189	686	110	2173
Conduit	M. J. Stone	764,773	July 12	1806	370	111	412
Conduit	J. D. McNab	765,331	July 19	3450	738	111	781
Conduit-coupling	F. A. Houdlette	764,054	July 5	379	54	111	64
Conduit. Flexible	A. T. Blackler	751,777	Feb. 9	1836	418	108	1465
Conduit. Flexible	A. J. Hoskins	778,666	Dec. 27	4366	954	113	2419
Conduit joint. Underground.	W. L. McGowan	766,965	Aug. 9	1727	362	111	1445
Conduit outlet-box. Interior.	W. F. Rosert	754,414	Mar. 15	2406	527	109	560
Conduit-threading machine	E. U. Nack	774,525	Nov. 8	1896	412	113	489
Conduits. Making	O. Wilhelmi	771,594	Oct. 4	740	165	112	1117
Confection-coating machine	J. P. Annen	750,076	Jan. 19	3081	662	108	718
Confections and making same. Cocoa.	C. H. and M. M. Buckett	755,562	Mar. 22	4551	97	109	1041
Confectioner's cooler	G. S. Collum	758,823	May 3	485	97	110	118
Confectioner's stirring and froth-beating machine	H. Munding	769,485	Sept. 6	692	148	112	158
Confectionery-coating-machine delivery-apron	G. Carlson	755,451	Mar. 22	4368	967	109	1001
Confectionery-dipping apparatus	G. F. Dickson	771,337	Oct. 4	274	61	112	1018
Confectionery-machine	W. S. Sampson	774,204	Nov. 8	1306	277	113	312
Confectionery-machine	W. L. Ruhe	775,093	Nov. 15	3067	651	113	724
Confessional service	H. La Prise	761,307	May 31	5459	1159	110	1280
Connecting-rod	C. M. Spalding	767,772	Aug. 16	3278	691	111	1804
Connecting-rod	A. J. O'Reilly	771,489	Oct. 4	321	117	110	1069
Connecting-rod	J. F. Rye	778,321	Dec. 27	4633	1412	113	2483
Connecting-rod or pitman	C. H. Howland-Sherman	754,653	Mar. 15	2891	632	109	664
Connection-box	F. E. Case	769,646	Sept. 6	963	209	112	230
Connector	F. E. Case	762,684	June 14	2118	461	110	1918
Conometer	J. A. Perkins	764,903	July 5	606	121	111	135
Contact-breaker	J. B. Schug	770,541	Sept. 20	2676	566	112	637
Contact-finger tip. Removable	F. E. Case	755,748	Mar. 29	4931	1098	109	1142
Contact-shoe	W. F. Taylor, Jr.	748,813	Jan. 28	464	109	108	110
Container	J. R. Harbeck	765,888	July 26	3986	850	111	908
Container-joint	W. L. Austin	750,565	Jan. 26	4003	865	108	935
Container-top	H. K. White, Jr., and J. R. Harbeck.	765,260	July 19	2714	565	111	624
Continuous kiln	P. L. Youngren	763,533	June 28	3799	822	110	2325
Continuous kiln	D. F. Henry, Jr.	764,723	July 12	1701	348	111	387
Control system	E. R. Carichoff	777,883	Dec. 20	2817	619	113	2452
Control system for parallel lines	L. Wilson	771,347	Oct. 4	246	54	112	1013
Controller	F. E. Case	755,744	Mar. 29	4932	1098	109	1142
Controller	E. B. Wharton	764,402	July 5	1010	205	111	225
Controller	F. B. Corey	766,327	Aug. 2	381	206	111	1124
Controller	H. L. Bachman	768,262	Aug. 23	4347	914	111	3059
Controller	M. M. Wood and H. Geisenh��ner.	771,958	Oct. 11	1482	336	112	1288
Controller	R. P. Jackson	774,943	Nov. 15	2765	593	113	653
Controller	E. Schattner	775,501	Nov. 22	3969	838	113	953
Controller	J. F. Durkin	778,895	Dec. 6	873	187	113	1619
Controller	P. Durkin	778,643	Dec. 27	4333	946	113	2412
Controller and brake-operating mechanism. Combined	H. Sawyer	749,329	Jan. 12	1595	338	108	383
Controller apparatus	P. S. Barrett	770,886	Sept. 27	3349	707	112	804
Controller-casing	C. L. Perry	751,003	Feb. 2	410	97	108	1148
Controller-lever step-motion	I. B. Smith	768,198	Aug. 23	4321	887	111	3030
Controller-regulator	V. J. Van Horn	758,732	May 3	276	55	110	71
Controlling device	L. A. Casgrain	762,802	June 14	2354	513	110	1967
Controlling device. Automatic	J. S. Cole	755,563	Mar. 22	4552	1013	109	1042
Controlling device for automatic players	A. D. Palmer	769,013	Aug. 30	5908	1238	111	2428
Controlling-switch	H. E. White	773,836	Nov. 1	579	123	113	133
Converter	R. Baggaley	764,332	July 5	854	175	111	187
Converter. Reversible	C. Raapke	777,746	Dec. 20	2509	554	113	2009
Converter system. Rotary	E. M. Hewlett	756,960	Apr. 12	1485	327	109	1674
Converters, &c. Apparatus for the introduction of pulverulent substances into	G. Rosenthal	759,750	May 10	2347	490	110	547
Convertible chair	L. N. Shoemaker	756,419	Apr. 5	462	95, 96	109	1441
Convertible chair	E. L. Thompson	775,387	Nov. 22	3729	791	113	898
Convertible chair	E. L. Thompson	775,388	Nov. 22	3732	792	113	899
Convertible chair and cradle	B. Smith	751,813	Feb. 9	1918	436	108	1484
Convertible furnace	R. A. May	751,530	Feb. 9	1370	313	108	1399
Convertible seat	J. S. Doyle	765,614	July 19	3417	720	111	774
Conveyer	W. J. Patterson	749,803	Jan. 19	2560	543	108	607
Conveyer	A. J. Webster	751,885	Feb. 9	2050	463	108	1514
Conveyer	J. G. Delaney	752,441	Feb. 16	3132	696	108	1771
Conveyer	J. A. Heintz	752,838	Feb. 23	3901	875	108	1958
Conveyer	M. Foshee	753,482	Mar. 1	482	113	109	106
Conveyer	T. McDonald and W. McKee	754,229	Mar. 8	2001	445	109	457
Conveyer	E. B. Nelson	755,526	Mar. 22	4480	997	109	1028
Conveyer	W. T. James	758,662	May 3	108	23, 24	110	28
Conveyer	S. B. Hart	759,884	May 17	2619	548	110	623
Conveyer	M. C. Schwab	759,922	May 17	2685	564	110	638
Conveyer	T. S. Miller	760,468	May 24	3740	792	110	892
Conveyer	W. J. Patterson	760,470	May 24	3757	794	110	896
Conveyer	J. M. Edwards	760,524	May 24	3850	817	110	919
Conveyer	E. Crossley	763,268	June 21	3267	704	110	2189
Conveyer	J. C. Hoshor	763,896	June 28	4500	981	110	2475

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Conveyer.....	M. C. Schwab.....	764,012	July 5	189	38	111	46
Conveyer.....	J. M. Dodge.....	765,069	July 12	2386	496	111	534
Conveyer.....	S. B. Peck.....	768,296	Aug. 23	4417	928	111	2074
Conveyer.....	J. D. Brown.....	768,841	Aug. 30	5566	1169	111	2350
Conveyer.....	I. Christ.....	768,976	Aug. 30	5836	1226	111	2412
Conveyer.....	H. H. Bighouse.....	770,155	Sept. 13	1909	407	112	447
Conveyer.....	T. McDonald and W. McKee.....	771,438	Oct. 4	440	100	112	1051
Conveyer.....	O. Kling.....	772,569	Oct. 18	2740	603	112	1589
Conveyer.....	W. C. Mackellar and T. Mackenzie.....	773,210	Oct. 25	4192	885	112	1981
Conveyer.....	M. T. Ash.....	773,452	Oct. 25	4677	886	112	2036
Conveyer.....	N. H. Larry.....	774,256	Nov. 8	1399	299	113	332
Conveyer.....	D. E. Hughes.....	774,476	Nov. 8	1800	388	113	419
Conveyer.....	G. Carlson.....	774,560	Nov. 8	1964	427	113	454
Conveyer.....	L. Abraham.....	777,171	Dec. 13	1400	310	113	1753
Conveyer.....	W. T. James.....	777,375	Dec. 13	1799	397	113	1838
Conveyer.....	W. T. James.....	777,376	Dec. 13	1792	397	113	1839
Conveyer.....	W. T. James.....	777,377	Dec. 13	1795	398	113	1839
Conveyer.....	S. M. Wixcel.....	778,561	Dec. 27	4157	907	113	2372
Conveyer apparatus. Belt.....	J. B. Humphreys.....	766,040	July 26	4276	916	111	969
Conveyer-band.....	F. Abels.....	777,363	Dec. 13	1766	392	113	1833
Conveyer. Belt.....	J. J. Ridgway.....	763,307	June 21	3158	679	110	2166
Conveyer. Bucket.....	C. H. Notter.....	750,986	Feb. 2	206	47	108	1103
Conveyer. Bucket.....	A. L. Le Grand.....	756,510	Apr. 5	626	136	109	1474
Conveyer-bucket.....	W. T. James.....	758,661	May 8	105	23	110	27
Conveyer. Cargo.....	C. H. Anderson.....	761,810	June 7	399	81	110	1528
Conveyer-chute.....	G. F. Conner.....	761,761	June 7	278	55	110	1499
Conveyer. Foldable.....	J. H. Torney.....	755,333	Mar. 22	4148	917	109	954
Conveyer for grain, &c. Storehouse.....	F. E. Parker.....	760,015	May 17	2872	602	110	681
Conveyer-loading device.....	F. R. Willson, Jr.....	751,890	Feb. 9	2063	466	108	1517
Conveyer or chute for infilling material.....	T. Nicholson.....	753,616	Mar. 1	757	169	109	164
Conveyer. Pan.....	J. M. Dodge.....	749,038	Jan. 5	377	206	108	227
Conveyer. Parcel.....	L. Abraham.....	777,235	Dec. 13	1516	337	113	1779
Conveyer. Pivoted-bucket.....	E. Bivert.....	748,576	Jan. 5	18	5	108	7
Conveyer. Pivoted-bucket.....	J. M. Dodge.....	765,068	July 12	2385	495	111	534
Conveyer. Pneumatic.....	M. J. Foyer.....	750,356	Jan. 26	3598	780	108	852
Conveyer. Portable.....	W. L. McCabe.....	754,334	Mar. 8	2180	483	109	493
Conveyer. Portable.....	W. L. McCabe.....	754,335	Mar. 8	2183	485	109	494
Conveyer. Portable.....	W. L. McCabe.....	767,824	Aug. 16	3400	717	111	1828
Conveyer. Portable.....	J. Ainsworth.....	774,731	Nov. 15	2333	505	113	555
Conveyer-rollers.....	F. N. Merrill.....	770,015	Sept. 13	1673	355	112	395
Conveyer-spout coupling. Sectional.....	C. F. Spencer.....	737,573	Apr. 19	2744	599	109	1960
Conveyer. Stock-house.....	T. A. Edison.....	758,432	Apr. 26	4445	955	109	2352
Conveyer system.....	C. Berghoefer.....	755,606	Mar. 29	4647	1032	109	1076
Conveyer system.....	D. A. Keating.....	756,170	Mar. 29	5745	1269	109	1322
Conveyer terminal. Parcel.....	L. Abraham.....	756,551	Apr. 5	698	151	109	1490
Conveyer. Waste-end.....	H. Kemp.....	749,300	Jan. 12	1535	327	108	369
Conveyers. Feeder for belt.....	L. J. Robb.....	778,461	Dec. 27	3984	867	113	2334
Conveyers. Feeding attachment for pneumatic.....	E. T. Sonendriker.....	753,998	Mar. 8	1436	322	109	331
Conveyers. Switch-off device for endless.....	F. O. Crowley.....	770,561	Sept. 20	2715	574	112	647
Conveyers, &c. Tripper for bucket.....	E. Bivert.....	748,577	Jan. 5	22	6	108	8
Conveying apparatus.....	T. S. Miller.....	759,395	May 10	1471	294	110	356
Conveying apparatus.....	J. Haley.....	770,523	Sept. 20	2641	559	112	629
Conveying apparatus.....	T. S. Miller.....	777,685	Dec. 20	2399	527	113	1984
Conveying-apparatus clamp.....	G. A. Amsden.....	760,771	May 24	4371	929	110	1029
Conveying apparatus. Material.....	H. Marcus.....	757,477	Apr. 19	2534	556	109	1913
Conveying apparatus. Rotary.....	T. F. Flinn.....	761,667	June 7	79	13	110	1455
Conveying-apparatus tripper or deliverer.....	C. K. Baldwin and F. E. Ticknor.....	758,810	May 3	458	91	112	112
Conveying-apparatus tripper or deliverer.....	F. E. Ticknor and C. K. Baldwin.....	758,875	May 3	508	118	110	143
Conveying-bridges. System of control for.....	A. C. Eastwood.....	770,630	Sept. 20	2886	603	112	673
Conveying driving mechanism.....	J. C. Hoshor.....	768,897	June 28	4503	604	110	2476
Conveying-table shifting mechanism.....	E. Esselius.....	752,444	Feb. 16	3138	697	108	1773
Cooker.....	U. Abderhalden.....	767,632	Aug. 16	3022	631	111	1747
Cooker and presser. Steam.....	A. J. Ketelsen.....	775,837	Nov. 22	4640	983	113	1057
Cooker. Automatic steam.....	W. F. Herdrich.....	771,013	Sept. 27	3594	738	112	861
Cooker. Sectional.....	C. W. Stokes.....	764,078	July 5	342	66	111	75
Cooker. Steam.....	W. L. Liggins.....	749,508	Jan. 12	2092	434	108	490
Cooker. Steam.....	C. Cannon.....	750,596	Jan. 26	4057	873	108	947

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Cooker. Steam.	W. J. Kennedy	751,495	Feb. 2 1904		275	108	1313
Cooker. Steam.	C. H. Burton	753,118	Feb. 23 4491		992	108	3085
Cooker. Steam.	P. J. Phillips	755,042	Mar. 22 3619		794	109	843
Cooker. Steam.	P. S. Rumberg	755,392	Mar. 23 4266		942	109	981
Cooker. Steam.	H. S. Robinson	762,440	June 14 1606		350	110	1806
Cooker. Steam.	R. H. Gray	764,720	July 12 1696		347	111	886
Cooker. Steam.	S. M. Renn	771,574	Oct. 4 703		156	112	1109
Cooker. Vegetable.	J. H. Hayes	751,640	Feb. 9 1584		361	108	1414
Cooking and heating apparatus	R. Nicholls	762,340	June 14 1407		304	110	1764
Cooking and warming apparatus	A. T. Bradshaw	764,107	July 5 394		76	111	86
Cooking apparatus	J. F. Rabe	749,223	Jan. 12 1382		295	108	338
Cooking apparatus. Fruit.	C. L. Plumer	759,128	May 3 1065		316	110	242
Cooking apparatus. Gas.	L. Schöne	776,033	Nov. 29 5072		1071	113	1212
Cooking articles of irregular outline. Wrapper for.	L. Horn	751,171	Feb. 2 736		166	108	1213
Cooking by retained heat. Apparatus for.	F. Kahn	777,103	Dec. 13 1279		282	113	1728
Cooking by retained heat. Apparatus for.	F. Kahn	777,104	Dec. 13 1282		282	113	1728
Cooking by superheated steam. Apparatus for.	D. Harrington	755,486	Mar. 22 4421		980	109	7013
Cooking device.	J. Henault.	750,190	Jan. 19 3282		709	108	761
Cooking device.	C. C. Overton	764,496	July 5 1203		247	111	264
Cooking device. Steam	M. W. Misener	776,926	Dec. 6 924		199	113	1630
Cooking implement.	S. Greenfield	769,823	Sept. 13 1314		280	112	316
Cooking machine. Can.	O. E. Vance, P. S. and N. G. Baker.	777,321	Dec. 13 1372		312	113	1815
Cooking machine. Dough.	C. Betz and P. Seibel	754,278	Mar. 8 2084		462	109	473
Cooking-pot or the like	R. Clayton and E. B. Crump	768,962	July 5 28		6	111	9
Cooking retort or kettle	O. Hubbell	757,555	Apr. 19 2698		590	109	1949
Cooking. Time-indicating chart for	J. B. Parnall	763,109	June 21 2956		637	110	2119
Cooking utensil	M. T. B. Washington	749,414	Jan. 13 1766		374	108	490
Cooking utensil	S. L. Trean	749,592	Jan. 12 3193		444	108	499
Cooking utensil	H. M. Horine	754,310	Mar. 8 2148		476	109	486
Cooking utensil	A. H. Thiele	755,967	Mar. 29 5387		1189	109	1246
Cooking utensil or other vessel.	F. H. Blankley	770,843	Sept. 27 3276		690	112	768
Cooking utensil support.	J. W. McSweeney	754,582	Mar. 15 2754		630	109	1018
Cooking vessel	M. De Sachet	757,281	Apr. 8 3317		462	109	1810
Cooky or doughnut cutting device	F. W. Gardner	766,178	Aug. 2 42		8	111	1051
Cooler:							
See Air-cooler.	Confectioner's cooler.						
Beer-cooler.	Liquid-cooler.						
Beer or water cooler.	Milk-cooler.						
Beer-pipe cooler.	Water-cooler.						
Cooler	J. J. Stephenson	755,408	Mar. 22 4286		947	109	986
Cooler	H. Reininger	766,524	Aug. 2 775		164	111	1210
Cooler	W. S. Colwell	775,238	Nov. 15 3418		721	113	812
Cooler or condenser, also applicable for use as heater or evaporator.	J. Gruvleue and H. Arquebourg.	773,150	Dec. 30 3434		732	113	2195
Cooling apparatus	E. P. F. Magniez	757,829	Apr. 19 3227		700	109	2065
Cooling-board. Undertaker's	L. E. Fosdick	776,313	Nov. 29 5585		1184	113	1328
Cooling heated surfaces. Means for	H. Seger and G. D. Green	775,360	Nov. 22 4705		996	113	1110
Cooling or refrigerating apparatus	B. Addy	755,429	Mar. 23 4296		956	109	993
Cooling-rack for bars	G. G. McMurtry	753,293	Mar. 1 142		34, 35	109	35
Cooling-tower	C. F. Hettinger	753,573	Mar. 1 688		154	109	151
Cool. Chicken	H. R. Bridgers	753,228	Mar. 1 92		5	109	7
Cop-cutting machine	T. Hansen	765,880	June 28 4474		975	110	2469
Cop-skewer	A. W. Beardsell	762,018	June 7 788		161	110	1610
Cope	W. Leahy	749,069	Jan. 5 1042		231	108	241
Copier. Manifold.	J. F. Ewen	775,647	Dec. 27 4339		948	113	2413
Copper and zinc from ores. Electrolytically extracting	S. Laszczynski	775,817	Apr. 19 3221		699	109	2064
Copper-bearing ores with cyanid solutions. Treating	L. E. Porter	759,220	May 3 1287		259	110	293
Copper from comminuted mineral mixtures. Extraction of	E. A. Le Sueur	755,302	Mar. 22 4078		109	940	
Copper or like metals from their ores. Separating	P. and A. Weiller	775,548	Nov. 22 4099		113	961	
Copper ores. Reduction of	E. M. Clark	759,670	May 10 2203		110	515	
Copper ores. Treating	A. M. G. Sébillot	748,662	Jan. 5 207		50	108	45
Copper ores. Treating	N. V. Hybinette	751,648	Feb. 9 1598		108	1416	
Copper ores. Treating	C. H. Rider	759,191	May 3 1193		243	110	270
Copper-pouring spoon	B. H. Bennetts	753,463	Mar. 1 459		107	109	100
Copper. Sampling	R. Baggaley	766,579	Aug. 2 895		188	111	1237
Copper sulfate. Making	G. Gin	763,478	June 28 3706		799	110	2306
Copper sulfate. Making	G. Gin	765,000	July 12 2246		464	111	507
Copy-holder	L. Henderson	749,583	Jan. 12 1708		302	108	408
Copy-holder	F. C. Shurt	750,230	Jan. 19 3365		736	108	779
Copy-holder	J. W. McCann	751,327	Feb. 2 1036		235	108	1278
Copy-holder	F. M. Filler	751,490	Feb. 9 1303		298	108	1354
Copy-holder	B. Hill	753,490	Mar. 1 505		117	109	111
Copy-holder	K. R. Williams	754,526	Mar. 15 2648		575	109	615
Copy-holder	A. C. Esson	754,983	Mar. 22 3521		771	109	820
Copy-holder	E. U. Wolfe, C. T. Martin, and J. E. Handlin.	760,094	May 17 3027		632	110	717
Copy-holder	M. L. McAloney	760,910	May 24 4643		990	110	1088
Copy-holder	R. W. Brooks	765,725	July 26 3675		784	111	840
Copy-holder	J. Aug.	767,132	Aug. 9 2060		428	111	1518
Copy-holder	J. R. Dearborn	767,873	Aug. 16 3435		739	111	1850
Copy-holder	J. L. Rivers	768,483	Aug. 23 4802		1006	111	2164
Copy-holder	F. J. Buenzle	770,673	Sept. 20 2929		622	112	695
Copy-holder	J. F. Pierce	771,174	Sept. 27 3923		828	112	931
Copy-holder	E. W. Edmonston	772,793	Oct. 18 3187		694	112	1684
Copy-holding device	J. B. Foster	749,793	Jan. 19 2527		537	108	600
Copy-pad moistener	T. I. Fisher	778,648	Dec. 27 4340		948	113	2413
Copy-press	M. J. Foyer	769,795	Sept. 13 1242		267	112	298
Copying bath. Letter	R. Spurgin	758,711	May 3 291		52	110	65
Copying drawings. Apparatus for	J. M. G. Fullman	771,774	Oct. 4 1085		243	112	1191
Copying drawings, &c. Apparatus for	J. M. G. Fullman	771,775	Oct. 4 1087		243	112	1191
Copying drawings, &c. Apparatus for	J. M. G. Fullman	771,776	Oct. 4 1088		244	112	1191
Copying-machine	R. Schweiß	770,321	Sept. 30 2275		478	112	549

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Copying machine. Letter.	W. E. Peck	756,522	Apr. 5	650	140	109	1478
Copying machine. Letter.	W. E. Peck	756,797	Apr. 5	1162	258	109	1592
Copying machine. Letter.	W. E. Peck	768,297	Aug. 23	4420	929	111	2075
Copying press.	H. F. Searles	760,652	May 24	4105	873	110	973
Copying press.	G. H. Taylor	761,994	July 12	360	335	111	375
Copying press.	A. L. Sneed	767,315	Aug. 9	2397	501	111	1390
Copying press.	M. J. Foyer	769,821	Sept. 13	1306	278	112	315
Copying press rack	W. Plunkett	769,623	Sept. 6	935	202	112	* 212
Cord-adjuster.	H. E. E. Strunk	760,819	May 24	4469	951	110	1050
Cord, Braided	766,842	Dec. 6	771	167	113	1596	
Cord-knotter	E. M. Kellogg	757,127	Apr. 12	1825	401	109	1746
Cord-making machine. Covered.	W. Meyer	760,896	May 24	4610	983	110	1081
Cord-tip	J. R. Barrett	774,716	Nov. 8	2261	490	113	517
Core	W. C. Norcross	761,176	May 31	5192	1103	110	1223
Core-box	S. E. Barnes	761,775	Feb. 9	1834	417	108	1464
Core-box cutter	F. E. Thomas	753,178	Feb. 23	4508	1018	108	2110
Core-box for foundry's use	A. Scott	773,994	Nov. 1	927	192	113	211
Core box, Green-sand	P. F. Woods	763,138	June 21	3011	640	110	2132
Core compound	G. A. Hubbard	764,858	July 12	1957	380	111	444
Core-drill.	F. Stone	761,832	May 31	3500	110	1299	
Core-drying oven	W. J. Breen	758,409	Apr. 26	4387	943	109	2339
Core element	R. G. James	767,409	Aug. 16	2579	544	111	1647
Core elements, Producing	767,410	Aug. 16	2582	544	111	1648	
Core-forming device	F. A. Johnson	776,596	Dec. 6	258	87	113	1866
Core-molding apparatus, Sand	J. E. Price	760,806	May 24	4443	946	110	1044
Core-ramming device, Sand	G. A. Conrath	755,620	Mar. 29	4687	1042	109	1086
Core-spindle, Collapsible	W. H. Larrison	766,765	Aug. 2	1279	272	111	1825
Corer and divider, Fruit	U. A. Bowman	769,586	Sept. 6	865	185	112	196
Cork, Branded crown	E. H. Baare	768,049	Aug. 30	5173	1086	111	2262
Cork-branding machine, Crown	E. H. Baare	768,647	Aug. 30	5168	1087	111	2261
Cork-extractor	M. D. Pollock	760,918	May 24	4657	992	110	1090
Cork-extractor	W. I. Westbrook	771,517	Oct. 4	591	132	112	1084
Cork-extractor	J. Kaiser	772,388	Oct. 18	3366	732	112	1724
Cork-extractor	J. D. R. A. and A. F. Effenberger	773,857	Nov. 1	641	136	113	149
Cork-extractor	L. and E. Strohacker	776,152	Nov. 29	5292	1119	113	1262
Cork-finishing machine	T. S. Thompson	752,482	Feb. 16	3198	713	108	1786
Cork or stopper fastener and extractor. Combination	L. W. Hart and D. A. Binkert	763,591	July 26	3991	852	111	909
Cork-puller	T. W. Kennedy	777,380	Dec. 13	1801	399	113	1841
Cork stopper	M. Montaner	768,391	Aug. 23	4635	970	111	2129
Cork substitutes, Making	F. H. Brooks	774,645	Nov. 8	2117	113	186	
Corks simultaneously on both ends and forming them same length. Machine for grinding	G. H. Vincke	766,403	Dec. 2	521	110	111	1154
Corking machine	H. F. Frederic	777,502	Dec. 13	2031	448	113	1891
Corkscrew-machine.	A. A. Vignos	777,161	Dec. 13	1382	304	113	1749
Corkwood	P. F. Lenhart	750,548	Jan. 26	3974	108	929	
Corn-binder spring extension	C. A. Ackerman	763,776	June 14	2340	510	110	1964
Corn-cutter	T. J. Love	755,510	Mar. 22	4459	991	109	1020
Corn cutting and shocking machine	D. T. Phillips	763,632	June 28	3977	867	110	2363
Corn-ears for feed. Machine for crushing	J. M. Rankin	769,635	Sept. 6	945	204	112	215
Corn-ears, Machine for picking	S. C. Sabin	748,650	Jan. 5	199	47	108	44
Corn fork, Hot	F. Peters	770,104	Sept. 13	1818	384	112	927
Corn-gatherer	E. Hollis	778,663	Dec. 27	4362	953	113	2418
Corn ground. Machine for preparing and ridging	A. Gubrud	768,823	Aug. 9	1446	301	111	1382
Corn-holder	H. L. Haynes	765,483	July 19	3187	666	111	725
Corn-husker	C. G. Billings	750,426	Jan. 26	3721	808	108	879
Corn-husker	R. N. Thomas	768,196	Apr. 26	3057	858	109	2245
Corn-husker	M. Mattes	759,118	May 8	1051	213	110	239
Corn-husker	F. D. Kees	763,994	July 5	110	18	111	32
Corn-husker	R. N. Thomas	767,918	Aug. 16	3571	755	111	1867
Corn-husker	E. Vladescu	769,575	Sept. 6	844	180	112	191
Corn-husker	P. Rupp	772,296	Oct. 11	2185	477	112	1447
Corn-husker, Adjustable-hook	G. W. Sues	749,408	Jan. 12	1759	372	108	418
Corn husker and fodder-preparing machine	J. Willmann, Sr	768,163	Aug. 23	4158	875	111	2018
Corn-husker and fodder-shredder	T. A. Galt	764,234	July 5	664	135	111	148
Corn husker and shredder	G. F. Conner	756,098	Mar. 26	5626	1242	109	1297
Corn husker and shredder	L. Dornton	765,821	July 26	3869	824	111	881
Corn-husker band-cutter and feeder	C. G. W. Wernicke	751,232	Feb. 2	849	193	108	1238
Corn huskers and shredders. Self-feeder for	J. H. Pitkin	762,438	June 14	1603	350	110	1806
Corn huskers and shredders, Spreading-roll for	J. H. Pitkin	754,158	Mar. 8	1855	414	109	427
Corn-husking and chopping machine	F. Vejrosta	768,249	Aug. 23	4325	910	111	2054
Corn husking and shredding machine	W. B. Martindale	759,725	May 10	2297	477	110	536
Corn husking and shredding machine	A. Rosenthal	777,047	Dec. 6	1175	256	113	1689
Corn-husking device	J. Barnard	768,166	Aug. 23	4162	875	111	2019
Corn-husking device	F. E. Waller	770,619	Sept. 20	2815	598	112	668
Corn-husking hook	C. C. Wolfe and W. J. Bro	770,624	Dec. 6	337	72	113	1502
Corn-husking implement	H. Schuster	753,639	Mar. 1	738	178	109	174
Corn-husking machine	A. F. Klampe	756,655	Apr. 5	875	191	109	1529
Corn-husking machine	J. H. Reigle	759,129	May 3	1066	216	110	242
Corn-husking machine	G. L. Wackerow	761,562	May 31	5913	1267	110	1383
Corn-husking machine	J. E. Goodhue	762,523	June 14	1793	384	110	1647
Corn-husking machine	L. Rasmussen	765,595	July 19	3380	712	111	767
Corn-husking machine.	A. Rosenthal	769,186	Sept. 6	91	23, 24	112	21

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Corn-husking machine.	J. D. Hidy	770,639	Sept. 20	2858	807	112	678
Corn-husking machine.	H. E. Moore	773,664	Nov. 1	246	55, 56	113	59
Corn-husking machine.	G. Peters	774,395	Nov. 8	1646	323, 354	113	387
Corn-husking machine.	C. and J. S. Borden	774,863	Nov. 15	2610	559, 560	113	617
Corn-husking-machine band-cutter and feeder	A. Rosenthal	761,717	June 7	191	36	110	1481
Corn-husking-machine feeder	A. Yates	753,346	Mar. 1	235	54	109	53
Corn-husking-machine feeding device	J. R. Hall	750,642	Jan. 26	4125	895	108	961
Corn-husking-machine husking-roller	E. A. Johnston	763,611	June 28	3936	856	110	2355
Corn-husking-machine snapping-roll	H. Kelling	778,588	Dec. 27	4220	919	113	2385
Corn-husking-machine snapping-rolls	L. Holland-Letz	778,040	Dec. 20	3136	680	113	3134
Corn. Mechanical sorter for seed-	L. P. Graham	755,594	Mar. 22	4610	1024	109	1055
Corn or bunion shield	I. A. George	774,317	Nov. 8	1512	324	113	357
Corn or grain knife	L. R. Tilley	774,006	Nov. 1	945	196	113	215
Corn picker and husker	M. D. Hatch	759,370	May 10	1630	330	110	389
Corn-popping apparatus	J. B. Bartholomew	760,604	May 24	4004	851	110	952
Corn-protector	J. Degen	773,597	Nov. 22	4769	1010	113	1124
Corn-sheller	J. H. Gilman	761,068	May 31	4387	1058	110	1180
Corn-sheller	A. Anderson	774,304	Nov. 15	2694	576	113	634
Corn-sheller feeder	W. Peters	771,746	Oct. 4	1018	227	112	1177
Corn-shock-binding device	W. J. Nicholson	763,781	June 28	4274	931	110	2428
Corn-shock-binding machine	E. S. McCauley and T. U. Frantz	759,219	May 3	1286	259	110	202
Corn-shock compressors. Cord-carrying mechanism for	J. W. Webster	767,457	Aug. 16	2687	564	111	1671
Corn-shock loader	E. T. Maxwell	754,585	Mar. 15	2757	601	109	636
Corn-shock loader	D. T. Phillips	763,631	June 28	3975	867	110	2362
Corn-shock loader	B. P. Schuman	765,663	July 26	3577	759	111	824
Corn-shock or hay loading or stacking apparatus	J. Peterson	763,506	June 28	3733	810	110	2315
Corn-shock tier	D. H. Zuck	749,250	Jan. 12	1419	204	108	345
Corn-shocker	T. L. Creath	748,932	Jan. 5	732	159	108	166
Corn-shocker	F. A. Ryther	764,381	July 5	972	196	111	216
Corn-shocking machine	W. H. Gernand	758,748	May 3	343	68, 69	110	84
Corn-shocking mechanism	J. E. Simmonds	759,401	May 10	1684	342	110	402
Corn-shredder	N. N. Windigstad	750,329	Jan. 26	3556	770	108	843
Corn-shredding-machine self-feeder	B. McAdams	760,909	May 24	4640	989	110	1087
Corn-silker	C. H. Plummer	770,311	Sept. 20	2355	472	112	544
Corn-silker	F. S. Ulery	777,930	Dec. 20	2930	1644	113	2094
Corn-snapping machine	J. C. Parson	766,377	Aug. 2	464	99	111	1143
Corn sorter. Seed	L. P. Graham	758,811	May 10	2471	100	110	574
Corn sorter. Seed	L. P. Graham	761,373	May 31	5589	1190	110	1310
Corn stripper and husker. Combined	E. W. Miller	760,899	May 24	4617	964	110	1082
Corn-stubble cutter	J. H. Sharp	769,326	Sept. 6	384	88	112	88
Cornstalk-pulverizer	J. C. Brooks	761,441	May 31	5706	1214	110	1338
Corner-bead. Metal	F. A. Sawyer	771,577	Oct. 4	710	1215	112	1110
Corner-iron for siding-joints	J. Simpson	769,501	Sept. 6	717	155	112	163
Corner-protector	T. Scherf	768,313	Aug. 23	4449	934	111	2081
Cornet triple-tongue attachment	J. G. Schlenker	767,446	Aug. 16	2664	559	111	1666
Corse-adjuster	L. E. Hooker and W. M. Sharp	771,720	Oct. 4	969	221	112	1171
Corrugating apparatus	J. A. McConnell	773,495	Nov. 22	3957	836	113	950
Corset	E. Pohl	749,400	Jan. 12	1742	368	108	415
Corset	M. J. Elliott	755,470	Mar. 22	4399	974	109	1008
Corset	B. Kull	753,688	Mar. 29	5228	1156	109	1211
Corset	J. H. Thornton	753,968	Mar. 22	3389	1190	109	1246
Corset	S. S. Gaylord	756,111	Mar. 29	5657	1249	109	1303
Corset	D. Fogliano	757,291	Apr. 12	2143	468	109	1816
Corset	W. F. Brooks	759,072	May 3	965	195	110	220
Corset	K. Golais	759,266	May 10	1413	382	110	343
Corset	A. P. McGraw	767,006	Aug. 9	1739	377	111	1460
Corset	T. H. Baker	767,030	Aug. 9	1838	386	111	1469
Corset	V. E. Mack	767,300	Aug. 9	2371	496	111	1584
Corset	M. L. Large	767,572	Aug. 16	2918	610	111	1725
Corset	C. L. Olmstead	773,807	Nov. 1	512	111	113	119
Corset	E. Savoye	774,537	Nov. 8	1916	416	113	443
Corset. Apparel	D. Kops	766,705	Aug. 2	1163	241	111	1300
Corset. Apparel	D. Kops	766,706	Aug. 2	1164	242	111	1301
Corset. Apparel	D. Kops	767,415	Aug. 16	2664	546	111	1650
Corset attachment	N. Parker	763,542	May 10	1959	399	110	462
Corset attachment	D. Kops	766,704	Aug. 2	1161	241	111	1299
Corset attachment	E. J. Montigny	767,307	Aug. 9	2383	499	111	1586
Corset attachment	M. H. Gerstle	767,881	Aug. 16	3506	741	111	1852
Corset-attachment blouse-extender	J. Lindauer	755,233	Mar. 22	3953	873	109	913
Corset-busk	V. Bovy	751,142	Feb. 2	661	152	108	1201
Corset-clasp	G. C. Wenzell	761,931	June 7	636	128	110	1580
Corset-form	T. F. Somers	775,995	Nov. 29	4994	1055	113	1193
Corset-spring	C. D. Wood	748,830	Jan. 5	530	118	108	118
Corset-stay	N. Parker	763,297	Feb. 16	2850	632	108	1712
Corset-stay	L. I. Cassidy	757,268	Apr. 12	2090	456	109	1804
Corset-stay	C. H. Cunningham	758,585	Apr. 26	4736	1021	109	2418
Corset-stay	D. Kops	766,630	Aug. 2	1001	210	111	1264
Corset-stay	F. A. Russ	770,538	Sept. 20	2550	525	112	636
Corset-stiffener	E. K. Warren	771,404	Oct. 4	351	84	112	1038
Cot	P. D. Heather	758,008	Apr. 19	3583	775	109	2144
Cot and pack-bag. Combined convertible	S. D. Martin	751,190	Feb. 2	758	173	108	1219
Cot. Folding	N. E. Nelson	764,368	July 5	951	192	111	211

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Cot or bed. Folding and convertible.	J. W. Jones	758,211	Apr. 26	3985	865	109	2251
Cot or lounge. Reclining.	A. E. White and W. Miller	753,815	Mar. 1	1201	270	109	258
Cot or pliable bedstead.	I. Hirsch	776,244	Nov. 26	5484	1161	113	1306
Cotton blending and cleaning apparatus.	C. B. Sample	763,798	June 28	4317	939	110	2436
Cotton-boll weevil. Machine for destroying.	F. Rieve	760,486	May 24	3772	799	110	890
Cotton-bundle tie.	G. L. Edgerton	761,038	May 24	4923	1043	110	1145
Cotton-chopper	D. Washington	750,138	Jan. 19	3194	686	108	742
Cotton-chopper	T. J. Lowry	754,787	Mar. 15	3154	687	109	723
Cotton-chopper	C. H. Walters	755,337	Mar. 22	4160	919	109	957
Cotton-chopper	C. G. Mercer	764,365	July 5	939	190	111	208
Cotton-chopper	C. G. Mercer	764,366	July 5	944	190	111	209
Cotton-chopper	C. C. Brown	764,554	July 12	1350	274	111	312
Cotton-chopper	J. J. and T. W. Dunaway	766,024	July 26	4254	909	111	965
Cotton-chopper	H. T. Anderson	773,364	Oct. 25	4492	951	112	1996
Cotton-chopper	G. Cagle	774,038	Nov. 1	1002	211	113	247
Cotton-chopper	E. A. Henley	774,941	Nov. 15	2793	592	113	552
Cotton-chopper	T. J. Hollingsworth.	775,533	Nov. 22	4038	851	113	968
Cotton-chopper	J. A. Hogue	775,771	Nov. 22	4533	962	113	1076
Cotton chopper and cultivator	G. Harwell	762,714	June 14	2188	476	110	1930
Cotton chopper and cultivator	J. Walthall	765,056	July 12	2354	488	111	529
Cotton chopper and cultivator	M. O. Carter	770,351	Sept. 20	228	490	112	560
Cotton chopper and cultivator	J. A. Bartlett, W. S. Downs, and J. B. Tiltman.	776,986	Dec. 6	1049	227	113	1660
Cotton chopper and cultivator. Combined	N. Langford	753,890	Mar. 8	1349	304	109	311
Cotton chopper and weeder	J. H. Stewart	756,186	Mar. 29	5769	1305	109	1336
Cotton-cleaner and gin-feeder	J. W. Gooch	763,748	June 28	4214	919	110	2415
Cotton-cleaning apparatus	S. D. Murray	775,279	Nov. 15	3497	737	113	829
Cotton-cleaning machine	E. J. Gardner	765,135	July 12	2492	521	111	557
Cotton-compress	T. J. Griffin	768,877	Aug. 30	5639	1185	111	2367
Cotton-condenser	E. D. Carter	765,916	July 26	4035	802	111	919
Cotton distributor. Seed.	M. C. Brown	756,776	Apr. 5	1114	246	109	1582
Cotton elevator and distributor. Pneumatic	J. T. Jackson	777,024	Dec. 6	6123	245	113	1677
Cotton-elevator and gin-feeder	B. D. Sory	760,494	May 24	3792	802	110	905
Cotton-gin	J. H. G. von Oven and J. C. Boesch	748,780	Jan. 5	414	95	108	93
Cotton-gin	R. J. Barber	750,507	Jan. 26	4245	866	108	935
Cotton-gin	A. McGonagle	759,390	May 10	1668	337	110	398
Cotton-gin	R. Starrett	759,484	May 10	1843	371	110	439
Cotton-gin	E. R. Barber	766,582	Aug. 2	899	189	111	1238
Cotton-gin	C. G. Bodungen	772,872	Oct. 1	2142	468	112	1437
Cotton-gin	J. E. Cheesman	778,774	Dec. 27	4556	997	113	2460
Cotton gin and condenser	E. W. Hays	753,488	Mar. 1	497	116	109	109
Cotton-gin feeder	E. Matthis	766,032	July 26	4246	920	111	974
Cotton-gin mote-board	C. G. Bodungen	758,156	Apr. 26	3896	846	109	2823
Cotton-handling apparatus. Seed.	C. R. Benefield	759,151	May 3	1108	224	110	232
Cotton-openers, &c. Evener mechanism for	W. J. Hall	767,750	Aug. 16	3234	682	111	1795
Cotton-packer	H. J. Arnett	752,505	Feb. 16	3242	723	108	1796
Cotton-picker	E. B. Vaughan	752,472	Feb. 16	2790	620	108	1701
Cotton-picker	J. T. McDonald	756,394	Apr. 5	408	84, 85	109	1481
Cotton-picker	W. Bennie	760,413	May 24	3620	766	110	866
Cotton-picker	C. R. Harvin	767,058	Aug. 9	1905	399	111	1435
Cotton-picker	J. K. Piper	768,400	Aug. 23	4647	972	111	2132
Cotton-picker	C. B. Shreeves.	770,934	Sept. 27	3447	727	112	827
Cotton-picker	W. W. Hoskins	776,467	Nov. 29	5892	1244	113	1399
Cotton picker and opener	I. N. Stewart	758,798	May 3	423	85	110	104
Cotton-picker. Hand	J. S. Murdoch	760,353	Sept. 6	435	97	112	96
Cotton-picker. Pneumatic	R. Gerzloff	763,389	June 28	3338	702	110	2570
Cotton-picker. Pneumatic	J. W. B. Turk	767,611	Aug. 16	3000	626	111	1743
Cotton-picker's bag	F. M. Dalton and J. G. Walker	749,722	Jan. 19	2403	508	108	572
Cotton-picker's grid-bar	A. A. Sweet	768,400	Aug. 23	4662	977	111	2135
Cotton-picker's truck	Frank	764,447	July 5	1102	224	111	244
Cotton-picker's truck	J. W. Stow	765,507	Sept. 6	726	132	112	145
Cotton-picking apparatus	B. R. Heyward	777,897	Dec. 20	2850	627	113	2079
Cotton-picking finger	J. F. Appleby	762,606	June 14	1957	423	110	1881
Cotton-picking machine	J. W. Shaw	755,059	Mar. 22	3645	800	109	849
Cotton-picking machine	G. A. Lowry	775,451	Nov. 22	3869	818	113	931
Cotton-picking machine	J. F. O'Shaughnessy	775,456	Nov. 22	3887	822	113	935
Cotton picking or harvesting machine	J. W. Webb	773,357	Oct. 25	4480	948	112	1904
Cotton-press	A. D. Thomas	751,119	Feb. 2	613	142	108	1191
Cotton-press	C. J. Luce	759,386	May 10	1053	336	110	394
Cotton-press	J. T. Fuller	765,664	July 26	3541	748	111	915
Cotton-separator	A. D. Thomas	775,481	Nov. 22	3936	831	113	945
Cotton-separator	L. L. Rollins	755,701	Mar. 29	4844	1077	109	1124
Cotton-stalk puller	C. R. Smith	749,636	Jan. 12	2210	467	108	515
Cotton-stalk-pulling machine	W. Swenson	762,771	June 14	2295	501	110	1953
Cotton-thinner	L. A. Green	759,173	May 3	1155	235	110	263
Cotton-weevil destroyer	G. A. Stephens	773,738	Oct. 25	4650	981	112	2040
Couch	J. Hoey	748,673	Jan. 12	2283	481	108	530
Couch	T. E. O'Brien	752,177	Feb. 16	2602	578	108	1054
Couch	J. and W. Titus	771,847	Oct. 11	1236	275	112	1284
Couch. Curative	F. Linsmayer	777,965	Dec. 20	2993	656	113	2146
Couch. Extensible box	G. W. Drury	773,730	Nov. 1	358	80	113	85
Couch head-rests, &c. Adjusting mechanism for	W. S. Duval	773,721	Nov. 1	3235	705	109	742
Couch lid-lifter. Box	E. A. Anderson	751,835	Mar. 15				

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Couch-truck	J. J. Blodt and T. H. Dana	750,936	Feb. 2	296	71	108	1123
Counter	E. G. Staude	764,778	July 12	1802	370	111	411
Counter	C. H. Veeder	776,039	Nov. 29	5082	1073	113	1215
Counter-fixture	A. W. Frey	774,170	Nov. 8	1246	265	113	298
Counter-molding machine	W. J. Young	776,714	Dec. 6	492	108	113	1536
Counter. Profit-sharing sales	H. Hepfer	774,322	Nov. 8	1525	326	113	360
Counter. Sales	J. A. Flesch	774,511	Nov. 8	1872	407	113	435
Counter. Self-waiting lunch	T. F. Philippi	751,681	Feb. 9	1651	375	108	1428
Counter. Store storage and display	S. S. Walker	776,707	Dec. 6	479	106	113	1533
Counting apparatus. Electrical	J. A. Kray	768,667	Aug. 30	5213	1095	111	2270
Counting device	C. F. Pidgin	773,371	Oct. 18	2353	516	112	1504
Coupling:							
<i>See</i> Air-brake coupling. Hose-pipe coupling.							
Air-brake hose-coupling. Interchangeable coupling.							
Air-brake pipe-coupling. Jaw-coupling.							
Automatic coupling. Joint-coupling.							
Awning-frame coupling. Lamp-coupling.							
Axle-coupling. Pipe-coupling.							
Belt-coupling. Pump-coupling.							
Canopy-frame coupling. Rail-coupling.							
Car coupling. Rail-joint coupling.							
Car draft-coupling. Railway or other vehicle coupling.							
Car or wagon coupling. Rod-coupling.							
Car pipe-coupling. Rolling-mill shaft-coupling.							
Chain-coupling. Sewer-coupling.							
Conduit-coupling. Sewing-machine coupling.							
Conveyer-spout coupling. Shaft-coupling.							
Cultivator-coupling. Stud and pin coupling.							
Doubletree coupling. Sucker-rod coupling.							
Drill-coupling. Swinging-head coupling.							
Electric coupling. Thill-coupling.							
Electric-wire coupling. Thill or draft-pole coupling.							
Electrical coupling. Threshing-machine, &c., coupling.							
Emergency coupling. Traction-coupling.							
Engine-coupling. Tree-coupling.							
Faucet-coupling. Vehicle-coupling.							
Flexible coupling. Vehicle, &c., coupling.							
Friction-coupling. Vehicle swivel-coupling.							
Gas-hose coupling. Wagon-coupling.							
Hose coupling. Whiffletree-coupling.							
Hose or pipe coupling. Windmill-coupling.							
Coupling	W. H. Wallace	752,731	Feb. 23	3699	825	108	1915
Coupling	D. Greenbury	755,652	Mar. 29	4743	1054	109	1098
Coupling	J. L. Crisler	755,850	Mar. 29	5159	1105	109	1195
Coupling	T. J. Grier	759,270	May 10	1424	283	110	346
Coupling	A. Moritz	760,233	May 17	3300	693	110	777
Coupling	J. Gapp	769,896	Sept. 13	1441	308	112	342
Coupling	F. J. Carney	771,709	Oct. 4	958	215	112	1164
Coupling	V. J. Wahlstrom	771,951	Oct. 11	1474	334	112	1286
Coupling	A. C. E. Rateau and G. Sautter	772,317	Oct. 11	2230	488	112	1457
Coupling	H. Gallager	775,167	Nov. 15	3220	689	113	758
Coupling	J. and J. O. Timms	775,615	Nov. 22	4240	893	113	1012
Coupling	J. W. Buller	776,292	Nov. 29	5554	1175	113	1321
Coupling	J. Prestele and F. Blamoser	776,423	Nov. 29	5807	1229	113	1380
Coupling	J. L. Malone	777,940	Dec. 6	1163	253	113	1686
Coupling	C. Matson and P. Robertson	777,383	Dec. 13	1808	400	113	1842
Coupling	W. A. Hull	778,491	Dec. 27	4045	881	113	2347
Coupling device	M. E. Schmidt and G. A. Mayland	763,431	June 28	3631	782	110	2290
Coupling device. Auxiliary	S. G. Thomson	777,928	Dec. 20	2926	642	113	2093
Coupling-link	J. Holms, Jr.	775,038	Nov. 15	2951	692	113	697
Coupling-pins in couplings. Device for holding fractured	W. O. Harlow and L. D. Gillett	773,883	June 28	4477	975	110	2470
Coupling-pins, &c. Machine for making	J. F. Lober	760,883	May 24	4577	976	110	1073
Coupling-sieve	J. J. Hickey and M. C. Wickens	777,785	Dec. 20	2988	572	113	2025
Coupling-support	I. E. Palmer	772,578	Oct. 18	2764	608	112	1594
Couplings. Lock mechanism for vertical-plane	E. C. Washburn	749,346	Jan. 12	1629	346	108	392
Coupon system. Interchange-of-trade	H. C. Buhoup	756,836	Apr. 12	1223	273	109	1621
Course and bearing correcting device	L. N. Singley	774,558	Nov. 8	1917	416	113	443
Cover and cigar cutter. Combined	J. Baxter. (Reissue)	12,196	Feb. 2	1216	278	108	1316
Cover and fastening for cases, &c. Reversible	W. Pearce	768,685	Aug. 30	5232	1105	111	2278
Cover attachment. Receptacle	M. J. Bartlett	775,960	Nov. 29	4923	1040	113	1177
Cover. Cooking-utensil	O. S. Switzer	751,881	Feb. 9	2043	462	108	1513
Cover. Corrugated self-opening bellows-fold	W. E. Banzett	751,244	Feb. 2	879	201	108	1244
Cover. Kettle	R. Gair	753,908	May 3	650	132	110	135
Cover. Packing-vessel	M. Kingsbury	776,917	Dec. 6	909	196	113	1627
Cover. Pot	C. C. Woods	757,167	Apr. 12	1905	416	109	1767
Cover. Pot or kettle	C. H. Pickett	760,753	May 24	4334	920	110	1021
Cover. Receptacle	R. A. Sanders	766,066	July 26	4327	927	111	980
Cover. Vessel	R. E. Deane	777,609	Dec. 13	2264	497	113	1339
	B. L. Johnson	749,993	Jan. 19	3923	624	108	687

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Cover. Vessel.	O. and F. Kampfe	761,497	May 31	5799	1239	110	1359
Cover. Vessel.	O. and F. Kampfe	761,498	May 31	5800	1239	110	1360
Covering. Weatherproof	L. C. Rugen at H. Abraham	775,636	Nov. 22	4285	854	113	1022
Coverings. Apparatus for making non-conducting.	J. A. McConnell	775,538	Nov. 22	4056	855 856	113	971
Coverings. Apparatus for making non-conducting.	J. A. McConnell	775,539	Nov. 22	4065	856 857	113	973
Coverings. Apparatus for making non-conducting.	J. A. McConnell	775,549	Nov. 22	4654	857	113	1106
Coverings, blocks, and slabs. Manufacture of non-conducting	H. C. Michell	774,946	Nov. 15	2768	862	113	654
Coverings, blocks, and slabs. Manufacture of non-conducting	H. C. Michell	774,947	Nov. 15	2770	862	113	654
Coverings. Making non-conducting	J. A. McConnell	775,494	Nov. 22	3953	835	113	949
Cow-tail holder	P. Young	754,083	Mar. 8	1628	362	109	374
Cows. Antikicker for	J. Casey	753,359	Mar. 1	254	58	109	58
Cows. Shackle and tail-holder for	L. G. Macauley	751,088	Feb. 2	561	130	108	1182
Cracker-case	W. T. Magness	754,326	Mar. 8	2168	480	109	490
Crackers. Machine for separating and assembling	W. H. Budd, Jr.	760,417	May 24	3623	788	110	387
Cradle	F. M. Goddard	756,230	Apr. 5	76	17	109	1359
Cradle. Suspension	E. A. Bradbury	761,058	May 31	4971	1053	110	1176
Crane	E. Nickerson	752,246	Feb. 16	2745	609	108	1689
Crane	L. S. Fleckenstein	757,290	Apr. 12	2141	610	109	1815
Crane	C. H. Howland-Sherman	753,254	Apr. 26	4080	883	109	2271
Crane	C. Van Driessche	763,222	June 21	3186	686	110	2173
Crane	W. N. Eckle	778,534	Dec. 27	4111	895	113	2363
Crane and supporting structure therefor	V. R. Browning	756,932	Apr. 12	1430	318	109	1663
Crane. Delivery	C. W. Smith	768,682	Aug. 30	5132	1079	111	2283
Crane. Electric	H. A. Lewis	771,887	Oct. 11	1546	346	112	1303
Crane for portable tools. Jib	H. G. Morse	760,138	May 17	3121	653 654	110	737
Crane. Portable traction	F. E. Smith and E. R. Inman	752,362	Feb. 16	2971	660	108	1739
Crane. Portable traction	F. E. Smith	752,363	Feb. 16	2973	661	108	1739
Crane-propulsion device	R. Wilke	752,393	Feb. 23	4134	921	108	2011
Crane. Traveling	V. E. Edwards	761,154	May 31	5155	1094 1095	110	1215
Crane. Traveling	C. H. Turver, Jr.	765,405	July 19	3007	629	111	857
Cranes. Automatic brake and safety device for hand-	E. R. Inman	767,817	Aug. 16	3377	715	111	1825
Cranes, derricks, &c. Gearing for	S. W. Wilt	766,406	Aug. 2	529	111	111	1156
Cranes. Electric gear for	O. Kammerer	750,370	Jan. 26	3623	786	108	857
Cranes. Track or the like for	R. Wilke	758,399	Apr. 26	4363	938 939	109	2333
Crank. Adjustable	O. F. Persson	771,928	Oct. 11	1425	324	112	1277
Crank and crank-shaft mechanism	C. E. Elliott and J. B. Norris	749,277	Jan. 12	1493	318	108	359
Crank-and-lever mechanism	C. and J. Dietz	760,108	May 17	3058	639	110	723
Crank-handle. Antifriction	A. G. Gode	751,496	Feb. 9	1313	300	108	1356
Crank-motion. Variable	E. E. Emerson	763,742	June 28	4203	916	110	2413
Crank-pin lubricator	W. B. Pearson	771,571	Oct. 4	698	155	112	1108
Crank. Variable-throw	M. Barr	772,494	Oct. 18	2608	573	112	1559
Crate	J. C. Nagle and B. Prouty	749,946	Jan. 19	2934	605	108	667
Crate	A. V. Thomas	759,202	May 3	1233	248	110	281
Crate	H. N. Backus	759,653	May 10	2175	447	110	509
Crate	J. S. Horton	764,945	July 12	3154	446	111	488
Crate	A. L. Ford	771,724	Oct. 4	983	220	112	1169
Crate	J. H. Winkelmeyer	774,016	Nov. 1	958	199	113	218
Crate. Banana	M. Lombardo	753,410	Mar. 1	350	80	109	78
Crate. Banana	J. A. Hadley	754,444	Mar. 15	2485	541	109	578
Crate. Banana	E. E. and M. B. Hogoboom	775,491	Nov. 22	3949	834	113	948
Crate. Banana	M. Lombardo	776,666	Dec. 6	398	86	113	1516
Crate. Bottle	W. W. Price	752,708	Feb. 23	3659	815	108	1906
Crate. Collapsible	E. A. Keck	774,183	Nov. 8	1272	270	113	304
Crate. Edge	E. O. Paul	753,099	Feb. 23	4432	986	108	2079
Crate. Folding	W. Pond	756,890	Apr. 12	1349	300	109	1646
Crate. Folding	O. W. Easton	758,961	May 3	735	151	110	176
Crate. Folding	C. F. Miesen	759,294	May 10	1470	294	110	356
Crate. Folding	E. M. Averill	774,301	Nov. 8	1483	318	113	351
Crate. Folding metallic	O. P. Galer	771,140	Sept. 27	3859	814	112	917
Crate for berry-boxes, &c. Folding	E. L. Walker	763,579	June 28	3887	843	110	2344
Crate-form	E. Decow and J. Stewart	776,013	Nov. 29	5035	1062	113	1203
Crate. Fruit	E. Mayette	759,633	May 10	2127	437	110	499
Crate or basket	W. H. Beckett	766,931	July 26	4068	869	111	926
Crate or box. Folding	A. E. Harris	776,242	Nov. 29	5479	1160	113	1305
Crate or shipping-case. Knockdown	G. Miller and W. Butler	756,260	Apr. 5	135	27	109	1372
Crate. Shipping	I. Stripe	756,877	Apr. 12	1318	294	109	1640
Crate. Shipping	J. M. Kenny	768,102	June 7	934	193	110	1640
Crate. Shipping	E. L. Hammond	769,216	Sept. 6	148	36	112	32
Crate. Shipping	W. J. Corner	771,127	Sept. 27	3828	809	112	911
Cream-can	S. A. Jones and F. W. Downham	772,801	Oct. 18	3201	696	112	1687
Cream-cooler. Automatic	M. B. Miller	752,944	Feb. 16	2940	655	108	1732
Cream. Renovating	W. Gould	770,607	Dec. 6	276	61	113	1491
Cream-roll-forming machine	C. F. Dietz	761,957	June 7	680	110	1588	
Cream-separator	J. Mersman	754,549	Mar. 15	2686	583	109	623
Cream-separator	E. and B. Starch	749,393	Jan. 12	1728	366	108	412
Cream-separator	W. T. Oglesby	759,994	Feb. 23	4119	917	108	2009
Cream-separator	C. T. McCarroll	756,373	Apr. 5	1388	32	109	1377
		757,669	Apr. 19	2934	637	109	2002

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Cream-separator.	K. K. McLeod.	764,489	July 5	1177	240	111	259
Cream-separator.	H. M. Curie.	765,091	July 12	1177	503	111	541
Cream-separator.	M. Kelley.	777,516	Dec. 13	3059	453	113	1897
Cream-separator.	C. Walker.	777,646	Dec. 13	2331	511	113	1954
Cream-separator.	C. W. Parks.	778,327	Dec. 27	3694	806	113	2372
Cream-separator.	C. J. Kirch.	778,679	Dec. 27	4384	958	113	2422
Cream-separator. Centrifugal.	P. J. Berrigan.	778,320	Apr. 5	251	52	109	1397
Cream-separator. Centrifugal.	P. L. Kimball.	761,891	June 7	565	112	110	1566
Cream-separator. Centrifugal.	N. W. Gales.	770,848	Sept. 27	3282	691	112	789
Cream-separator. Centrifugal.	P. E. Shee.	772,064	Oct. 11	1713	382	112	1341
Cream-separator regulating device.	J. J. Berrigan.	775,467	Nov. 22	3911	826	113	940
Creamer. Centrifugal.	F. J. Arend.	775,464	Nov. 22	3906	825	113	939
Creamer. Centrifugal.	F. J. Arend.	775,487	Nov. 22	3944	833	113	947
Creaming-can.	F. G. Fortney.	748,598	Jan. 5	80	21	108	19
Creaming-machine.	C. R. Nelson.	756,882	Apr. 12	1326	235	109	366
Creaming-press.	E. J. Stimpson.	755,406	Mar. 22	4288	948	109	419
Cremating-furnace.	W. Horsfall.	763,562	June 28	3857	836	110	2338
Cremating-furnace.	H. E. Bret and A. B. Benton.	771,412	Oct. 4	393	87, 88	112	1040
Crematory.	F. E. Haycock and J. McDermott.	750,457	Jan. 26	3777	821	108	890
Crematory.	F. P. Smith.	766,848	Aug. 9	1498	213	111	1393
Crib.	C. Hollis.	754,140	Mar. 8	1836	407	109	1641
Crib. Child's.	J. Campbell.	750,805	Feb. 2	39	8	108	1065
Cribs, &c. Closure attachment for.	M. C. Collier.	766,608	Aug. 2	1088	226	111	1283
Cribwork or the like.	J. W. Fraser.	751,492	Feb. 13	1305	299	108	1355
Crimped sheet.	F. Hinkel.	752,775	Feb. 23	3771	842	108	1331
Cross-arm brace.	F. B. Cook.	752,655	Feb. 23	3559	792	108	1883
Cross-arm brace.	F. B. Cook.	774,159	Nov. 8	1223	261	113	293
Cross-head.	R. H. White.	752,024	Feb. 23	4302	956	108	2051
Cross-section tester.	H. E. Smith.	753,221	Apr. 26	4001	859	109	2354
Cross-tie.	E. J. Johnson.	763,900	Jan. 12	4508	983	110	2479
Cross-tie and rail-fastener. Metal.	B. S. Sawyer and C. C. Bull.	771,177	Sept. 27	3931	830	112	932
Cross-tie hewer and veneer-mill.	B. H. Seymour.	762,205	June 7	1123	240	110	1682
Cross-tie. Metallic.	C. W. Platt.	754,093	Mar. 15	2974	648	109	688
Crown and bridge work. Device for securing arti-	J. R. Mitchell.	770,768	Sept. 27	3104	659	112	750
cial bicuspsids or molars in.							
Crown swagers. Mold for seamless.	A. N. Coates.	776,114	Nov. 29	5215	1101	113	1244
Crucible and preheater. Combined.	J. A. Aupperle.	768,972	Aug. 30	5381	1224	111	2411
Crucible-furnace.	C. W. Speirs.	765,299	July 19	2783	580	111	638
Crucible-furnace and crucible.	G. L. Smith.	771,675	Oct. 4	896	202	112	1151
Crusher.							
See Cane-crusher. Coal-crusher.							
Clod-crusher. Rock-crusher.							
Crusher.	J. W. Boileau.	758,735	May 3	314	61, 62	110	79
Crusher and pulverizer.	M. F. Williams.	758,288	Apr. 26	4148	897	109	2285
Crushing and grinding mill.	T. L. and T. J. Sturtevant.	739,643	May 10	2153	442	110	504
Crushing and grinding mill.	J. M. Dyer.	762,580	June 14	1908	412	110	1871
Crushing and grinding mill. Vertical.	T. L. and T. J. Sturtevant.	761,354	May 31	5505	1173	110	1291
Crushing-machine.	J. H. McCormick.	751,672	Feb. 9	1636	371	108	1425
					332		
					334		
Crushing-machine.	T. L. and T. J. Sturtevant.	777,227	Dec. 13	1502	333	113	1775
Crushing-mill. Roll.	T. L. and T. J. Sturtevant.	777,448	Dec. 13	1923	425	113	1868
Crushing-mill. Roller.	M. P. Boss.	777,591	Dec. 13	2225	488	113	1932
Crushing or pulverizing mill.	E. C. Griffin.	768,221	Aug. 23	4269	898	111	2041
Crushing or pulverizing mill.	E. C. Griffin.	769,740	Sept. 13	1146	247	112	278
Crushing-roll-dressing apparatus.	T. L. and T. J. Sturtevant.	750,931	May 17	2703	567	110	642
Crushing-rolls.	J. A. Thomas.	771,949	Oct. 11	1470	334	112	1285
Crushing-rolls. Longitudinally-adjustable.	J. A. Thomas.	771,887	Oct. 11	1335	302	112	1258
Crutch.	J. A. Renno.	751,942	Feb. 9	2167	489	108	1540
Crutch.	A. G. Kreimer.	761,506	May 31	5812	1242	110	1362
Crutch or cane foot.	V. C. Phillips.	767,023	Sept. 13	1686	357	112	398
Crutch or cane foot.	J. W. Morris and G. J. Luck.	765,984	July 26	4169	890	111	948
Crystallizing apparatus.	E. von Seemen, E. Rühle, and O. Falser.	768,314	Aug. 23	4450	935	111	2081
Cue-tip holder.	J. G. Meyer.	774,945	Nov. 15	2767	593	113	539
Cuff.	J. E. Boyle.	765,192	July 12	2471	516	111	553
Cuff and wristband. Combination.	W. E. Howell.	771,730	Oct. 4	990	222	112	1171
Cuff-blanks, &c. Machine for folding.	C. H. Knapp.	778,751	Dec. 27	4508	1987	113	2449
Cuff-holder.	W. H. Page.	753,383	Mar. 22	4248	938	109	977
Cuff-holder.	M. Bornstein.	760,176	May 17	3304	671	110	755
Cuff-holder.	E. E. Dean.	763,869	June 28	4433	965	110	2461
Cuff-holder.	J. B. Boyle.	765,063	July 12	2374	493	111	531
Cuff-holder.	H. H. Walley.	768,251	Aug. 23	4339	911	111	3055
Cuff-holder.	W. H. Fulton.	768,742	Aug. 30	3361	1129	111	2304
Cuff-holder.	G. W. Jenkins.	760,305	Sept. 6	455	102	112	101
Cuff-holder.	G. W. Buchanan.	772,210	Oct. 11	2013	443	112	1407
Cuff-holder.	A. P. Gillen.	778,654	Dec. 27	4349	950	113	2415
Culinary boiler or steamer.	B. A. Rice.	771,830	Oct. 11	1209	269	112	1332
Culinary lifter.	G. L. Starr.	769,028	Aug. 30	5502	1245	111	2496
Culinary operations. Machine for use in.	M. J. Jurgens.	769,169	Sept. 6	65	17	112	15
Culinary utensil.	C. Cancelli.	763,593	June 28	3909	850	110	2349
Culinary vessel.	F. H. Hill.	752,167	Feb. 16	2587	575	108	1651
Culinary vessel.	H. Seipelt.	769,496	Sept. 6	708	152	112	102
Culm-bar.	J. S. Wilson.	751,137	Feb. 2	628	146	108	1194
Cultivating implement.	J. T. Jordan.	758,971	May 3	776	155	110	180
Cultivating implement.	R. C. Beauchamp.	777,580	Dec. 13	2214	485	113	1990
Cultivating-machine.	A. Gray.	759,986	May 17	2822	590	110	670

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Cultivating means.....	J. W. Willett.....	762,567	June 14	1891	407	110	1867
Cultivator.....	F. J. Ziegler.....	749,510	Jan. 12	1991	414	108	466
Cultivator.....	C. V. Barnhart.....	749,833	Jan. 19	2619	560	108	620
Cultivator.....	A. Lindgren.....	751,314	Feb. 2	1015	230	108	1274
Cultivator.....	W. J. Luttrell.....	752,570	Feb. 16	3367	751	108	1825
Cultivator.....	S. M. Adams.....	752,746	Feb. 23	3723	830	108	1920
Cultivator.....	J. Nagel.....	752,852	Feb. 23	3925	880	108	1964
Cultivator.....	J. R. Jones.....	753,993	Mar. 8	1534	342	109	355
Cultivator.....	W. L. Eddy.....	754,130	Mar. 8	1813	403	109	417
Cultivator.....	U. H. Brown.....	755,214	Mar. 22	3921	867	109	907
Cultivator.....	H. B. Porter.....	755,538	Mar. 22	4511	1004	109	1032
Cultivator.....	E. Miller.....	755,906	Mar. 29	5266	1163	109	1219
Cultivator.....	M. Prun.....	755,932	Mar. 29	5322	1174	109	1230
Cultivator.....	T. E. Thompson.....	756,077	Mar. 29	5576	1231	109	1286
Cultivator.....	A. L. Samuelson.....	756,898	Apr. 12	1266	304	109	1669
Cultivator.....	S. F. Vance.....	756,996	Apr. 12	1566	342	109	1690
Cultivator.....	G. W. and C. E. Goss.....	757,398	Apr. 12	2373	516	109	1863
Cultivator.....	O. H. Cloyd.....	757,862	Apr. 19	3300	715	109	2081
Cultivator.....	C. A. Anderson.....	759,552	May 17	2739	675	110	650
Cultivator.....	E. E. Waterman.....	761,734	June 7	2922	43	110	1487
Cultivator.....	H. P. Deuser.....	762,392	June 14	1497	326	110	1783
Cultivator.....	B. P. Collier.....	762,804	June 14	2659	514	110	1969
Cultivator.....	M. and J. H. Jennings.....	763,288	June 21	3305	715	110	2197
Cultivator.....	G. W. Roberts.....	763,324	June 21	3367	731	110	2211
Cultivator.....	S. W. Rowell.....	763,511	June 23	3729	812	110	2317
Cultivator.....	J. M. W. Long.....	764,062	July 5	294	57	111	66
Cultivator.....	C. S. Ruef.....	764,257	July 5	699	141	111	154
Cultivator.....	W. H. Page.....	767,007	Aug. 9	1800	378	111	1460
Cultivator.....	W. A. Hancock.....	767,148	Aug. 9	2093	437	111	1524
Cultivator.....	G. M. Wright.....	767,467	Aug. 16	2700	567	111	1675
Cultivator.....	B. R. Brown.....	768,580	Aug. 30	5020	1032	111	2228
Cultivator.....	R. L. Harper.....	770,575	Sept. 20	2737	580	112	650
Cultivator.....	J. L. Buckingham.....	770,672	Sept. 20	2927	622	112	695
Cultivator.....	D. Garst.....	771,871	Oct. 11	1305	294	112	1252
Cultivator.....	W. W. Giles.....	772,232	Oct. 11	2070	453	112	1420
Cultivator.....	M. G. Graham.....	774,319	Nov. 8	1514	384	113	357
Cultivator.....	S. E. Bailor and F. M. Ashe.....	774,317	Nov. 15	2502	539	113	593
Cultivator.....	A. H. Kopperud.....	775,906	Nov. 22	4789	1015	113	1129
Cultivator.....	S. H. Tinsman.....	776,155	Nov. 29	5296	1121	113	1262
Cultivator.....	J. E. Spraggins.....	776,367	Nov. 29	5695	1205	113	1355
Cultivator.....	A. C. Lindgren.....	776,788	Dec. 6	649	142	113	1569
Cultivator.....	O. M. Volles.....	778,724	Dec. 27	4458	976	113	2439
Cultivator and cotton-chopper. Combined.....	L. J. King.....	778,818	Dec. 27	3681	803	113	2260
Cultivator and harrow spring-tooth.....	S. F. Vance.....	756,995	Apr. 12	1559	342	109	1689
Cultivator attachment.....	E. N. Camp.....	756,576	Apr. 5	742	161	109	1499
Cultivator attachment.....	A. Rodocker.....	756,983	Apr. 12	1537	338	109	1684
Cultivator attachment.....	R. Titus.....	761,793	June 7	966	74	110	1521
Cultivator attachment.....	F. L. Sleeper.....	770,870	Sept. 27	3914	700	112	796
Cultivator attachment.....	L. S. and C. T. Hinkson.....	771,149	Sept. 27	3875	817	112	920
Cultivator attachment.....	W. P. Allgood.....	772,995	Oct. 25	3580	775	112	1790
Cultivator attachment.....	J. A. Schowalter.....	773,993	Nov. 1	927	192	113	211
Cultivator-cleaner.....	J. Walsh.....	765,448	July 19	8164	650	111	708
Cultivator connecting-arch.....	E. Schulz.....	767,251	Aug. 9	2286	479	111	1566
Cultivator. Corn.....	H. Stripe.....	773,604	Nov. 1	131	28	113	85
Cultivator. Corn.....	H. Funkner.....	778,652	Dec. 27	4346	949	113	2414
Cultivator corn-planting attachment.....	A. D. Harrington.....	767,405	Aug. 16	2573	543	111	1646
Cultivator cotton attachment.....	A. Willis.....	771,809	Nov. 15	2480	591	113	591
Cultivator-coupling.....	A. V. Ryder.....	732,594	Feb. 16	3412	760	108	1836
Cultivator. Disk.....	A. P. McKay.....	770,919	Sept. 27	3411	719	112	818
Cultivator. Disk.....	A. B. Bryant and E. C. Fain.....	776,995	Dec. 6	1068	231	113	1664
Cultivator disks. Dust-proof journal for.....	N. S. Barger.....	758,582	Apr. 26	4731	1020	109	2417
Cultivator-fender.....	C. W. Whitstone.....	762,968	June 21	3694	583	110	2052
Cultivator. Garden and truck.....	T. F. Smithson.....	762,006	June 7	766	156	110	1605
Cultivator hiller attachment.....	H. M. Burdick.....	768,029	Aug. 23	3846	805	111	1945
Cultivator. Lister.....	K. M. Kimbrough.....	773,753	Nov. 1	420	92	113	99
Cultivator. Motor-driven.....	E. Imperiale.....	763,760	June 28	4231	822	110	2419
Cultivator, planter, and fertilizer-distributor.....	J. R. Brown.....	770,418	Sept. 20	2436	514	112	584
Cultivator. Rice.....	H. D. Dodd.....	749,060	Jan. 19	2856	610	108	672
Cultivator. Rolling disk.....	H. B. Furr.....	769,822	Sept. 13	1310	279	112	815
Cultivator-shovel.....	G. L. Bumgardner.....	769,065	Aug. 30	5095	1256	111	2447
Cultivator-shovels, &c. Clamp for.....	W. Sobey.....	763,216	June 21	3172	682	110	2170
Cultivator. Single-row.....	J. E. Bieler.....	761,027	May 24	4899	1037	110	1141
Cultivator. Straddle-row.....	T. H. Cameron.....	768,203	Aug. 23	4349	915	111	2059
Cultivator. Three-row.....	W. F. Cochran.....	770,420	Sept. 20	2438	516	112	584
Cultivator-tooth.....	O. E. Johnston.....	769,748	Sept. 13	1164	251	112	881
Cultivator-trip. Spring.....	I. A. Weaver.....	768,251	Aug. 23	4335	912	111	2056
Cultivator. Two-row lister.....	A. V. Ryder.....	749,906	Jan. 19	2746	588	108	648
Cultivator, weeder, and furrow-maker. Combined.....	T. J. Hubbell.....	748,737	Jan. 5	344	76	108	76
Cultivator. Wheel.....	F. L. Block.....	755,737	Mar. 29	4919	1095	109	1139

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Draw.	Vol.	Page.
Cultivator-wheels. Dust-proof journal for	N. S. Barger	758,581	Apr. 26	4730	544	109	2416
Culvert.	A. Lauritzen	769,703	Sept. 13	1084	232	112	294
Culvert.	A. Lauritzen	770,236	Sept. 13	2072	436	112	480
Culvert.	A. Lauritzen	770,337	Sept. 13	2074	436	112	482
Culvert.	C. W. Carter	777,714	Dec. 20	2454	539	113	1997
Cup:							
See Drinking-cup.	Rubber sponge-cup.						
Grease-cup.	Service-cup.						
Heating-cup.	Shaving-cup.						
Lubricating-cup.	Sponge-cup.						
Mucilage-cup.	Turpentine-cup.						
Oil-cup.							
Cupel.	J. C. Fox	777,725	Dec. 20	2469	544	113	2000
Cupel-making machine	A. C. Calkins	758,121	Feb. 23	4466	994	108	2086
Curative apparatus.	J. and W. Titus	773,898	Nov. 1	552	120	113	127
Curb	G. S. Du Fossat	775,623	Nov. 22	4257	899	113	1016
Curb and conduit. Combined	E. F. Lockwood	773,587	Dec. 13	2069	456	112	1489
Curb and gutter former	J. M. Williamson	774,997	Oct. 18	2735	516	112	1601
Curb and saffle bit. Combined	K. J. Melley	774,097	Nov. 1	1122	239	113	254
Curb, gutter, and drain block	A. Austin	775,791	Nov. 22	4574	969	113	1083
Curb-protector	J. B. Ansley	773,451	Oct. 25	4675	988	112	2035
Curette	C. J. Pilling	732,356	Feb. 16	2961	659	109	1736
Curler. Hair.	N. B. Stone	757,241	Apr. 12	3044	446	109	1793
Curler. Hair.	S. A. Spangenberg	765,883	July 26	3942	841	111	897
Curling-iron	W. C. Dyer	752,051	Feb. 16	2381	532	108	1605
Curling-iron case	C. O. Sterling	750,724	Jan. 26	4317	993	108	1004
Curling-iron heater	O. Walsh	749,647	Jan. 12	2331	470	108	518
Curling-iron heater	J. F. McCleary	769,560	Sept. 6	821	176	112	185
Curling-tongs support.	L. M. Kate	774,671	Nov. 8	2162	473	113	495
Currency. Post-check	I. D. Worcester	771,110	Sept. 27	3791	801	112	903
Current-collector	J. E. Greenwood	758,528	Apr. 26	4629	997	109	2394
Current-controlling system.	A. C. Eastwood	773,277	Oct. 11	2149	470	112	1439
Current-controlling system.	W. R. Whitehorne	776,578	Dec. 6	842	181	113	1019
Current cut-out. Reverse.	L. Andrews	751,442	Feb. 9	1221	279	108	1335
Current-director	J. F. McElroy	751,991	Feb. 9	2288	511	108	1565
Current-distribution system. Alternating.	C. F. Scott	758,702	May 3	187	39	110	45
Current-distribution system. Alternating.	A. E. W. Meissner	775,535	Nov. 22	4041	853	113	969
Current distribution. System of alternating.	E. R. Gill	754,133	Mar. 8	1816	404	109	417
Current energy. Utilizing single-phase alternating.	B. G. Lamme	759,183	May 3	1174	239	110	267
Current generators and circuits. Regulating alternating.	L. Gutmann	769,342	Sept. 6	405	93, 94	112	88
Current generators. Regulating apparatus for constant.	M. Leblanc	773,399	Oct. 25	4568	965	112	2013
Current induction-motor. Alternating.	A. E. Averett	771,293	Oct. 4	141	32	112	991
Current machinery. Alternating.	A. S. McAllister	770,091	Sept. 13	1791	378	112	421
Current machinery. Alternating.	S. McAllister	762,092	Sept. 13	1795	379	112	422
Current meter. Alternating.	W. H. Pratt	771,932	Oct. 11	1430	326	112	1278
Current-motor	F. H. Crago	756,335	Apr. 5	284	59	109	1304
Current-motor	C. O. Burchin	762,134	June 7	994	206	110	1653
Current-motor	W. Niemeyer	778,702	Dec. 27	4418	967	113	2430
Current motor. Alternate.	V. A. Fynn	777,198	Dec. 13	1446	320	113	1763
Current motor. Alternating.	C. A. Brown	750,940	Feb. 2	303	72	108	1125
Current motor. Alternating.	R. McNeill	758,378	Apr. 26	4334	930	109	2327
Current motor. Alternating.	B. McCollum	759,004	May 8	837	170	110	193
Current motor. Alternating.	A. J. Churchward	759,967	May 17	2775	582	110	659
Current motor. Alternating.	M. C. Massie	768,774	June 28	4261	928	110	2425
Current motor. Alternating.	M. Milch	768,337	Aug. 23	4492	945	111	2090
Current motor. Alternating.	A. W. Henshaw	771,246	Oct. 4	55	13	112	973
Current motor. Alternating.	W. A. Layman	772,465	Oct. 18	2544	560	112	1547
Current motor. Alternating.	M. Milch	772,950	Oct. 25	3194	758	112	1770
Current motor. Alternating.	C. Wüst-Kunz	774,018	Nov. 1	961	200	113	219
Current motor. Alternating.	E. J. Berg	775,439	Nov. 22	3848	814	113	927
Current-motor or water-wheel	J. S. Mathews	774,592	Nov. 8	2023	442	113	465
Current motor. Single-phase alternating.	B. G. Lamme	758,668	May 3	127	26	110	39
Current power system. Single-phase alternating.	B. G. Lamme	758,667	May 3	117	25	110	31
Current-rectifier	P. H. Thomas	770,563	Dec. 6	196	43, 44	113	1471
Current-rectifier	P. H. Thomas	776,564	Dec. 6	198	44	113	1472
Current-rectifier	P. H. Thomas	776,565	Dec. 6	201	44	113	1472
Current rectifier. Periodic.	A. D. Lunt	767,759	Aug. 16	3251	684	111	1799
Current-rectifying apparatus. Alternating.	C. M. Green	768,937	Aug. 30	5756	1209	111	2304
Current-regulator	E. Dysterud	756,605	Apr. 5	786	163	109	1509
Current-regulator	J. B. Entz	778,168	June 21	3081	664	110	2148
Current-regulator	J. J. Wood	765,948	July 26	4090	874	111	961
Current-saving and spark-reducing device for electromagnets.	G. H. Davis	772,872	Oct. 18	3327	726	112	1716
Current selector. Alternating.	H. Lemp	774,090	Nov. 1	1109	236	113	251
Current series motor. Constant.	M. Leblanc	768,467	Aug. 23	4768	1000	111	2158
Current transformation. Alternating.	M. Hutin and M. Leblanc	754,371	Mar. 8	2304	503	109	520
Current transformation. Alternating.	M. Hutin and M. Leblanc. (Reissue)	12,223	May 21	4358	1051	110	1155
Current transformation. System of alternating.	M. Hutin and M. Leblanc	754,372	Mar. 8	2305	504	109	521
Current transformer. Alternating.	J. J. Moody	771,317	Oct. 4	189	41	112	1001
Current ventilator. Double.	E. L. M. Ross	757,348	Apr. 12	2272	496	109	1843
Current voltage. Means for varying alternating.	J. E. Woodbridge	768,354	Aug. 23	4320	951	111	2096
Currents. Coin-controlled apparatus for heavy.	J. J. Force	771,543	Oct. 4	649	145	112	1067
Currents. Means for protection against reverse.	L. Andrews	751,441	Feb. 12	2220	279	108	1335
Currents. Rectifying and interrupting alternating.	V. Scheide	766,468	Aug. 2	646	138	111	1181
Currycomb.	D. M. Fried	749,052	Jan. 5	1016	214	108	235
Currycomb.	T. A. Howes	749,054	Jan. 5	1036	219	108	239

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Currycomb.	E. B. Webb.	749,596	Jan. 12	2138	445	108	501
Currycomb.	H. E. Ewart	753,056	Feb. 23	4357	909	108	2662
Currycomb.	C. W. Igo.	757,471	Feb. 23	1969	436	113	1878
Currycomb-cleaning attachment.	B. J. Gumble.	758,836	May 3	510	103	110	122
Currying-machine. Automatic.	F. Loge	769,733	Sept. 13	1174	253 254	112	283
Curtain.	O. B. Kaiser	767,346	Aug. 9	2453	514	111	1602
Curtain and shade adjuster. Window.	H. P. Adams	766,589	Aug. 2	911	192	111	1242
Curtain and shade hanger. Combined.	J. A. Hamelback	769,075	Aug. 30	6024	1265	111	2452
Curtain and shade holder. Window.	H. T. Andrew	754,531	Mar. 15	2659	577	109	617
Curtain and shade-roller holder. Combined window.	A. F. Gilbert	757,547	Apr. 19	2685	587	109	1946
Curtain attachment.	C. G. Hensley	774,942	Nov. 15	2764	592	113	653
Curtain attachment. Window.	O. A. Essig	754,554	Mar. 15	2698	586	109	625
Curtain block. Drop.	L. J. Couch	756,157	Mar. 29	5723	1263 1264	109	1317
Curtain-bracket.	A. Lambert	750,055	Jan. 19	3947	631	108	711
Curtain-bracket. Adjustable.	B. L. Forshes	770,056	Sept. 13	1736	367	112	400
Curtain drying and stretching frame. Lace.	R. T. Green	750,027	Jan. 19	2990	641	108	700
Curtain-fastener	G. F. Hullings	757,930	Apr. 19	3431	742	109	2111
Curtain-fixture	F. P. Pfeighar	757,838	Apr. 19	3256	706	109	2071
Curtain-fixture	F. I. Knighton	752,983	Feb. 23	4223	911	108	2032
Curtain-fixture	J. W. Paterson	754,404	Mar. 8	2282	520	109	557
Curtain-fixture	J. Kirby, Jr.	755,675	Mar. 29	4763	1064	109	1107
Curtain-fixture	G. B. Hatter	756,361	Apr. 5	350	71	109	1418
Curtain-fixture	C. Reiss and W. G. Bradbury	758,216	Apr. 26	3994	867	109	2223
Curtain-fixture	N. Ziegler and C. C. Brandan	760,835	May 21	4502	958	110	1057
Curtain-fixture	G. H. Davis	761,822	June 7	424	86	110	1333
Curtain-fixture	G. H. Forsyth	762,397	June 14	1504	328	110	1785
Curtain-fixture	O. Malmquist.	762,733	June 14	2222	438	110	1937
Curtain-fixture	H. E. Keeler	763,102	June 21	2946	635	110	2117
Curtain-fixture	H. M. Sturgis	763,219	June 21	3182	635	110	2172
Curtain-fixture	C. G. Foster	764,590	July 12	1451	231	110	1633
Curtain-fixture	H. F. Vogel and W. S. Miller.	765,113	July 12	2455	512	111	550
Curtain-fixture	W. S. Miller	767,909	Aug. 16	3552	752	111	1863
Curtain-fixture	C. A. Roth	769,715	Sept. 13	1107	237	112	268
Curtain-fixture	W. H. Forsyth	769,895	Sept. 13	1440	308	112	342
Curtain-fixture	F. J. Pagani	770,005	Sept. 20	2788	559	112	653
Curtain-fixture	W. H. Smalley	776,810	Dec. 6	698	154	113	1580
Curtain-fixture	H. H. Forsyth	777,724	Dec. 20	2467	543	113	1999
Curtain-fixture	E. E. Whitmore	777,762	Dec. 20	2541	562	113	2016
Curtain-fixture. Adjustable	E. G. Alber and F. E. Hedge.	776,285	Nov. 29	5543	1174	113	1819
Curtain-fixture. Window.	C. G. Foster	751,906	Feb. 9	2996	474	108	1536
Curtain-fixture. Window.	E. G. Heinrich	763,496	June 23	3713	801	110	2338
Curtain-hanger	B. S. Johnson	759,110	May 3	1036	210	110	235
Curtain-hanging	W. P. Powell	749,499	Jan. 12	1968	409	108	461
Curtain-holder.	J. D. Tieleen	738,570	Apr. 26	4713	1016	109	2413
Curtain-holding device. Spring-actuated.	F. E. Edwards	758,904	May 3	652	131	110	154
Curtain-holding device. Spring-actuated.	F. B. Hopewell	758,919	May 3	677	136	110	159
Curtain-holding device. Spring-actuated.	F. B. Hopewell	758,919	May 3	680	136	110	160
Curtain or drapery protector.	M. Goldsmith	761,293	May 31	5428	1153	110	1273
Curtain or shade holder	H. H. Forsyth	766,682	Aug. 2	1123	233	111	1291
Curtain-pin	R. M. Seward	774,993	Nov. 15	2867	612	113	678
Curtain-pole	F. S. Truxal	753,181	Feb. 23	4572	1019	108	2110
Curtain-pole	D. Brehm	753,821	Mar. 1	1212	273	109	260
Curtain-pole	A. R. Harmany	754,136	Mar. 8	1321	406	109	418
Curtain-pole	D. Brehm	754,917	Mar. 15	3385	740	109	773
Curtain-pole	A. Miller	757,048	Apr. 12	1676	363	109	1715
Curtain-pole	F. Weigel	760,287	May 17	3399	716	110	799
Curtain-pole	J. Kroder	761,508	May 31	5815	1243	110	1363
Curtain-pole	J. H. Seegers	762,355	June 14	1431	310	110	1769
Curtain-pole	F. Schaffer	762,659	June 14	2062	446	110	1905
Curtain-pole	E. E. Bingham	762,873	June 21	2521	546	110	2024
Curtain-pole	W. M. Black	763,713	June 28	4151	905	110	2401
Curtain-pole	J. W. Seibert	765,753	July 26	3724	795	111	851
Curtain-pole	C. A. Albert	769,141	Sept. 6	1	1	112	8
Curtain-pole	A. E. Hunter	770,069	Sept. 13	1756	371	112	413
Curtain-pole	J. H. Culter, Jr.	772,829	Oct. 18	3241	706	112	1696
Curtain-pole	W. H. Cutler	775,583	Nov. 19	453	911	113	2373
Curtain-pole. Adjustable	W. E. Fawcett	776,655	Dec. 6	376	82	113	1512
Curtain-pole and shade hanger	S. S. Spangler	752,425	Feb. 16	3108	689	108	1767
Curtain-pole and shade-roller bracket. Combined	A. Kerr	758,759	May 3	362	73	110	88
Curtain-pole attachment	C. Magnus	760,341	May 17	3435	736	110	821
Curtain-pole fixture	C. B. Wilkins	772,448	Oct. 18	2503	547	112	1538
Curtain-pole. Self-supporting	C. Benson	763,844	June 28	4408	958	110	2456
Curtain-pole tip	G. H. Atkins	753,030	Feb. 23	4311	958	108	2053
Curtain-ring	W. Durst	756,482	Apr. 5	581	122	109	1465
Curtain-ring	S. J. Tusey	759,045	May 3	910	185	110	209
Curtain-ring	W. B. Swindell	761,186	May 31	5205	1106	110	1222
Curtain-ring	A. L. Parker	763,691	June 28	4099	892	110	2389
Curtain-ring	J. W. Leslie	769,551	Sept. 6	805	173	112	182
Curtain-rod	G. A. Springmeyer	771,944	Oct. 11	1463	332	112	1284
Curtain-rod fixture	W. S. Adams	774,962	Nov. 15	2790	597	113	658
Curtain-rod support	J. H. Meyer	753,292	Feb. 23	4616	1028	108	2121
Curtain-rod support	J. E. Fanning	769,859	Sept. 13	1386	295	112	332
Curtain-rod threader	J. J. Monaghan	758,845	May 3	525	107	110	123
Curtain-roller bracket	N. C. Jones	752,397	Feb. 16	3041	676	108	1758
Curtain-roller bracket. Window	H. C. Gules	750,848	Feb. 2	132	30	108	1087
Curtain-securing device	H. D. Roe	773,394	Oct. 25	4391	907	113	1853
Curtain-shade adjuster	T. Whitt	752,318	Feb. 16	2-04	645	108	1722
Curtain-stop	R. E. Wareley	769,925	Sept. 13	1502	322	112	357
Curtain-stretcher	J. W. Reed	749,702	Jan. 12	2340	494	108	542
Curtain-stretcher	J. H. Hubert	760,617	Aug. 2	981	206	111	1259
Curtain-stretcher	C. A. Mallory	773,577	Nov. 15	28	18	113	21
Curtain-stretcher	C. G. Carlson and W. A. Mayr	778,303	Dec. 27	3656	798	113	2254
Curtain-stretcher pin.	W. A. Shoemaker	776,034	Nov. 29	5073	1071	113	1213

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Curtain-stretcher structure	J. C. Whipple	772,687	Oct. 18	2970	652	112	1638
Curtain-support. Extensible	E. W. Mathewson	750,776	Jan. 26	4435	956	108	1032
Curtains when being ironed. Device for holding	R. B. Barrett	761,751	June 7	248	40	110	1493
Curve-cutting machine	F. W. Starr	766,158	July 26	4524	967 968	111	1023
Cushion:							
See Car air-cushion. Spring-cushion.							
Car-seat cushion. Surgical operating-cush-							
Horseshoe-cushion. ion.							
Seat-cushion.							
Cushion-forming mechanism	C. A. Fisher	775,966	Nov. 29	4938	1043	113	1180
Cushion-frame	A. P. Morrow	768,066	Aug. 23	3920	823	111	1964
Cushion-spring support	A. Hirsh	777,208	Dec. 13	1464	321	113	1767
Cushion-stuffing apparatus	C. A. Lee	750,895	May 17	2637	552	110	627
Cushion-tire wheel	W. H. Holmes	759,611	May 10	2087	428 429	110	489
Cushioning device	C. von Philp.	777,534	Dec. 13	2093	460	113	1903
Cuspidor	C. E. Bertels.	749,019	Jan. 5	930	197	108	216
Cuspidor	T. J. Burns and F. O. Casteel	753,229	Mar. 1	24	5	109	7
Cuspidor	C. S. Phillips	759,547	May 10	1964	401	110	465
Cuspidor	F. A. Hinsky	761,827	May 31	5299	1121	110	1244
Cuspidor	G. E. Jarrett	764,663	July 12	1588	324	111	303
Cuspidor	K. Stastka	766,002	July 26	4207	898	111	955
Cuspidor	E. F. Holland	766,252	Aug. 2	227	44	111	1001
Cuspidor	H. E. Marlett	770,530	Sept. 20	2656	562	112	633
Cuspidor	T. E. Rieker and T. J. Moore	774,953	Nov. 15	2777	595	113	655
Cuspidor. Automatic self-cleaning	J. Loh and J. W. Jung	760,831	Aug. 9	1469	307	111	1388
Cuspidor. Car	R. T. Cummins and O. P. Ivie	760,964	May 24	4745	1010	110	1108
Cuspidor-carrier	C. H. Gunn	768,897	Aug. 30	5674	1193	111	2375
Cuspidor-carrier	C. H. Gunn	771,979	Oct. 11	1531	344	112	1299
Cuspidor collector and carrier	J. P. Johnson. (Reissue)	12,258	Aug. 16	3831	801	111	1923
Cuspidor-lifter	W. J. Enz.	759,253	May 10	1389	277	110	387
Cuspidor-lifter	J. M. Whitney	767,619	Aug. 16	3015	630	111	1746
Cuspidor. Railway-car	E. Metzger	773,803	Nov. 1	504	110	113	117
Cuspidor. Reversible	F. W. Atwell	759,494	May 10	1867	375	110	443
Cut-off	A. Martin	758,265	Apr. 26	4099	887	109	2275
Cut-off-actuating mechanism	P. B. Clarke	778,113	Dec. 20	3277	720	113	2164
Cut-off and alarm. Fluid-pressure	R. M. Hughes	757,119	Apr. 12	1805	395	109	1742
Cut-off. Automatic	E. Hoey	759,712	May 10	2273	470	110	531
Cut-off. Automatic water-gage	J. H. Cunningham	754,200	Mar. 8	1929	430	109	442
Cut-off for conductor-pipes. Automatic	F. F. Howard	765,732	July 26	3085	786	111	843
Cut-off for fluids under pressure. Automatic	M. M. Zellers	765,870	July 26	3952	844	111	900
Cut-off in time of storm. Automatic	F. P. Bell	758,954	May 3	751	149	110	174
Cut-off mechanism. Automatic spout	F. G. Dieterich	764,277	July 5	739	151	111	164
Cut-off. Pipe	G. W. Howell	772,939	Oct. 25	3475	152	112	1766
Cut-off. Rain-water	J. J. Sandvig	758,470	Apr. 26	4521	971	109	2370
Cut-off spout. Automatic water	M. M. Hill	769,314	Sept. 6	359	82	112	77
Cut-off-wire-cleaning device	J. A. Salgue	761,410	May 31	5051	1208	110	1325
Cut-out	F. Buchhop	766,490	Aug. 2	713	149	111	1196
Cut-out. Drop-circuit	F. J. Russell	774,203	Nov. 8	1304	277	113	311
Cut-out. Fusible	H. R. Sargent	755,796	Mar. 29	5047	1121	109	1167
Cut-out. Thermal	R. H. Read	764,372	July 5	956	193	111	213
Cutlery-polishing machine	C. L. Joy	765,243	July 19	2687	550	111	618
Cutlery-renovator	H. Hansen	758,837	May 3	511	104	110	123
Cutter:							
See Axle-cutter. Fruit or vegetable cutter.							
Band-cutter. Glass-cutter.							
Bar-cutter. Groove-cutter.							
Belt-cutter. Ice-cutter.							
Bias-cutter. Ice-cream cutter.							
Boiler-flue cutter. Kraut-cutter.							
Boiler-tube cutter. Linoleum, &c., cutter.							
Bolt-cutter. Milling-cutter.							
Bread-cutter. Paper-cutter.							
Brick-cutter. Pea-vine cutter.							
Brick or tile cutter. Pie-cutter.							
Brush-cutter. Pipe-cutter.							
Butter-cutter. Pipe or bar cutter.							
Buttercup-cutter. Potato-cutter.							
Cake or doughnut cutter. Sewing-machine button-							
Candy-cutter. hole-cutter.							
Cane or corn-cutter. Sewing-machine thread-							
Channel-cutter. cutter.							
Cheese-cutter. Shingle-cutter.							
Cigar-cutter. Sod-cutter.							
Cigar-tip cutter. Stalk-cutter.							
Cigar-wrapper cut- Straw-cutter.							
ter. String-cutter.							
Cloth-cutter. Threshing-machine							
Corn-cutter. band-cutter.							
Corn-stubble cut- Tobacco-plug cutter.							
ter. Tube-cutter.							
Dental disk-cutter. Turning cutter.							
Ensilage-cutter. Twine-cutter.							
Excavating-cutter. Vegetable-cutter.							
Fat-cutter. Vine-cutter.							
Feed-cutter. Weed-cutter.							
Flue-cutter. Wire-cutter.							
Flue or tube cutter. Wire-rope cutter.							
Food-cutter.							
Cutter	E. J. Stewart	763,124	June 21	2982	643 644	110	2126

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Cutter	T. B. Miller	763,697	June 28	4092		110	2388
Cutter	G. E. Ginn	773,563	Nov. 1	58	12	113	17
Cutter-bar	F. E. Silor	771,101	Sept. 27	3777	796	112	900
Cutter-bar alignment	G. Wilson	753,459	Mar. 1	446	104	109	97
Cutter-head	F. Stutzman	753,328	Mar. 1	401	137	106	131
Cutter-head, Rotary	J. Villiger, Jr.	764,399	July 5	1007	204	111	234
Cutter-head	E. S. Shimer	751,952	Feb. 9	2187	493	108	1545
Cutter-head, Rotary	J. J. Quinn	768,625	Aug. 30	5119	1076	111	2250
Cutter-heads. Instrument for determining the position of cutters on molding	J. Fay	750,629	Jan. 26	4105	889	108	957
Cutters. Machine for forming curry-knife edges on rotary	E. Schroeder	771,211	Sept. 27	3990	845	112	943
Cutting and trimming machine	A. E. Roenigk	757,228	Apr. 12	2018	439	109	1790
Cutting apparatus	J. N. Austin and M. D. Farnam	755,431	Mar. 22	4329	957	109	993
Cutting-board	C. H. Farmer	760,618	May 24	4336	258	110	598
Cutting device	C. T. Knittel	755,089	July 12	2404	501	111	958
Cutting, folding, and winding strips of flexible material. Machine for	A. L. Adams	764,328	July 5	842	172	111	185
Cutting irregular forms. Knife-carrier for machines for	A. M. Stickney	753,444	Mar. 1	429	90	109	92
Cutting-machine	E. F. Gibbons	750,107	Jan. 19	3139	675	108	731
Cutting-machine	W. Dietmann	754,055	Mar. 8	1669	371	109	384
Cutting-machine	C. J. Prankard, Jr.	755,696	Mar. 29	4832	1074	109	1121
Cutting-machine	J. A. Frenzel	758,537	May 3	63	13	110	19
Cutting-machine	G. E. Schuchert	768,626	Aug. 30	5124	1078	111	2251
Cutting-machine knife-blade attachment	W. H. Hobson	762,717	June 14	2194	477	110	1931
Cutting machinery	T. C. Hansen	749,820	Jan. 19	2587	551	108	613
Cutting or cleaning tool	C. Brick	774,142	Nov. 1	1193	254	113	270
Cutting or perforating machine	J. E. Watt	762,507	June 14	1745	375	110	1836
Cutting-shears	G. E. Baulton	756,818	Apr. 12	2699	269	109	1618
Cutting-tool	R. E. Duvall	753,211	Feb. 16	2673	593	108	1672
Cutting-tool	A. E. Venn	763,527	June 28	3787	818	110	2322
Cutting-tool	H. Dyer	770,273	Sept. 20	2167	451	112	523
Cyanamid salts. Manufacture of.	G. Erlwein	757,185	Apr. 12	1946	425	109	1776
Cyanids and nitrates. Making	W. E. Everette	754,647	Mar. 15	2877		109	660
Cyanids. Apparatus for manufacturing	J. A. Kendall	760,997	May 24	4804	1022	110	1122
Cycle	L. Zelenka	766,010	July 26	4227	901	111	959
Cycle. Automatic coasting	E. A. Smith	754,823	Mar. 15	3213	700	109	736
Cycle driving mechanism	C. E. Doud	769,594	Sept. 6	875	188	112	198
Cycle. Foot	H. Glade	775,032	Nov. 15	2943	627	113	696
Cycle free-wheel and brake attachment	W. Powell	749,950	Jan. 19	2839	606	108	668
Cycle-hub	E. Sachs	777,811	Dec. 20	3262	586	113	2040
Cycle. Motor	G. E. Wilkinson	752,741	Feb. 23	1616	829	108	1919
Cycle. Motor	W. Driver	760,320	May 17	3459	728	110	811
Cycle. Motor	J. S. Copeland	764,113	July 5	405	78, 79	111	88
Cycle. Motor	E. Robion	778,148	Dec. 20	3344	733	113	2180
Cycle mud-guard	J. Neinens and H. Kleinbielen	750,386	Jan. 26	3649	733	108	863
Cycle-saddle for supporting rifles, &c.	J. Jarvis	749,865	Jan. 19	2968	571	108	690
Cycle stand. Motor	W. A. McCurd	759,627	May 10	2120	435	110	497
Cycles, &c. Adjustable throw-crank for	J. Ritscher	778,147	Dec. 20	3339	733	113	2178
Cycles. Grip-operated controlling mechanism for motor-	C. O. Hedstrom	765,138	July 12	2499	522	111	559
Cycles or cars. Gear for belt-driving motor	D. W. McLean	769,269	Sept. 6	262	61	112	57
Cycles or motor-cycles. Self-contained stand for	W. C. Lloyd and C. R. Townsend	761,516	May 31	5826	1245	110	1365
Cycles or other mechanisms. Driving-gear for	J. Dickason	767,900	Aug. 16	3337	705	111	1817
Cycles or the like. Saddle for	T. G. Stevens	750,069	Jan. 19	3072	660	108	716
Cyclic ketones. Making	P. Chuit and F. Bachofen	765,459	July 19	3134		111	712
Cyclogeranioidenacetone and making same	G. Merling and H. Eichwede	768,389	Aug. 23	4631		111	2128
Cyclorama. Moving spiral	L. H. Martin	772,570	Oct. 18	2744	604	112	1590
Cylinder-drainer	A. G. Hewitt	776,061	Nov. 29	5117	1083	113	1221
Cylinder-lubricator	B. F. Kelsey	772,240	Oct. 11	2063	455	112	1423
Cylinder-lubricator	C. B. Allen	777,765	Dec. 20	2547	564	113	2017
Cylinder-reducer	J. N. Paulson	767,526	Aug. 16	2826	590	111	1703
Cylinder-reducer	G. H. Paulson	767,527	Aug. 16	2828	591	111	1703
Cylinder-tooth wrench	W. H. George	753,623	Mar. 22	4099	901	109	927
Dairy-product cover	O. Thibault	772,756	Oct. 18	3194	681	112	1670
Dam	N. F. Ambursen. (Reissue)	12,246	July 26	4581	968	111	1024
Dam	F. H. Reed	776,799	Dec. 6	674	148	113	1575
Dam and constructing same	J. A. Copple	764,429	July 5	1061	147	111	236
Dam. Concrete	W. L. Church	764,916	July 12	2095	433	111	475
Dam. Metal	J. L. Holmes	771,071	Sept. 27	3718	784	112	885
Dam. Portable	S. Gleuzen	771,821	Oct. 11	1186	294	112	1227
Dam. Portable power	T. F. Gilliland	757,909	Apr. 19	3398	734	109	2102
Dam. Shell	N. F. Ambursen and W. L. Church	768,717	Aug. 30	5316	1117	111	2293
Dampening machine. Shirt	A. M. and J. E. Halstead	771,875	Nov. 15	2631	565	113	623
Damper	J. E. Frenning	753,670	Mar. 8	1311	200	109	343
Damper	M. J. Carrigan	777,330	Dec. 13	1697	375	113	1819
Damper and smoke-pipe section. Check	A. Lynch	762,542	June 14	1837	394	110	1857
Damper-chains, &c. Supporting device for	G. H. Taitelton	778,285	Dec. 27	3618	790	113	2256
Damper for heaters. Electrically-controlled	F. J. Sprague	765,686	July 26	3582	730	111	824
Damper mechanism. Time	W. Hartzell	734,446	Mar. 15	2486	541	109	578
Damper mechanism. Time	G. R. Young	764,875	July 12	2000	412	111	454
Damper-regulator	E. A. Pahl	758,471	Apr. 26	4509	969	109	2367

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	De'g.	Vol.	Page.
Damper-regulator.	G. R. Smith.	769,844	Sept. 13	1359	291	112	326
Damper-regulator.	E. K. Hutchison.	774,179	Nov. 8	1255	263	113	303
Damper-regulator.	J. D. Bowne.	775,468	Nov. 24	3912	827	113	841
Damper-regulator. Automatic.	J. F. Wood.	774,631	Nov. 8	2069	455	113	479
Damper-regulator. Stove.	J. R. Reed.	773,928	June 28	4569	999	110	2489
Damper. Stovepipe.	C. M. Buller.	767,039	Aug. 9	1858	390	111	1437
Dark room or cabinet. Portable.	W. R. Stewart.	769,030	Aug. 30	5949	1245	111	2457
Dark room. Portable.	W. H. Levey.	754,650	Mar. 15	2900	634	109	566
Dark room. Portable.	E. L. Hall.	775,969	Nov. 29	4951	1045	113	1183
Dash foot and brace combined.	H. C. Swan.	758,398	Apr. 26	4356	937	109	2381
Dashboard. Vehicle.	J. H. Pecan.	760,346	May 17	3506	737	110	832
Dashboard. Vehicle extension.	A. W. Hollingsworth.	758,754	May 3	353	70, 71	110	86
Davenport and couch. Combination.	A. L. and G. C. Hartshorn.	753,487	Mar. 1	494	116	109	108
Dead-centers. Device for overcoming.	L. Swenson.	766,914	Aug. 9	1622	341	111	1421
Deaf. Signal for the.	A. Ekberg.	775,079	Nov. 15	3040	645	113	719
Decorative light.	H. Sax.	763,428	June 28	3628	781	110	2289
Decorticating-machine.	H. A. Clifford.	749,475	Jan. 12	1921	399	108	451
Decorticating-machine.	A. D. Estienne.	753,055	Feb. 23	4355	968	108	2062
Decorticating-machine.	W. H. Allison.	753,652	Mar. 1	829	186	109	181
Decorticating-machine.	J. von Oven and J. C. Boesch.	761,096	May 31	5049	1072	110	1193
Decorticating-machine.	P. P. Faure.	763,170	June 21	3085	664	110	2149
Decorticator.	F. Holtzhausen.	762,556	June 14	1919	413	110	1873
Decoy.	W. Riggs.	775,545	Nov. 22	4089	860	113	978
Decoy-duck.	J. Coudon.	760,683	May 24	4182	889	110	969
Decoy-duck.	W. Riggs.	775,580	Nov. 22	4168	878	113	996
Decoy-duck.	G. W. Green.	776,905	Dec. 6	887	101	113	1622
Defecating apparatus.	M. Alcolaguirre and J. Zubillaga.	763,084	June 21	2901	628	111	2110
Deflections. Apparatus for reading angular.	P. H. Wynne.	763,839	June 28	4380	952	110	2450
Dehorning device.	W. M. Stewart.	777,720	Dec. 27	4453	974	113	2438
Dehorning implement. Cattle.	J. H. M. Fork.	777,668	Dec. 20	2374	521	113	1979
Demand-meter.	R. S. White.	757,000	Apr. 12	1567	343	109	1691
Demijohn.	W. E. Brown.	777,713	Dec. 20	2454	539	113	1996
Denitrating plant.	R. Evers.	767,335	Aug. 9	2490	510	111	1597
Dental appliance.	W. M. Dailey.	760,615	Jan. 26	4087	885	108	653
Dental appliance.	W. T. Lyon.	757,988	Apr. 19	2445	746	109	2113
Dental appliance.	J. D. Ford.	757,733	Aug. 16	3224	679	111	1762
Dental appliance.	M. I. Schamberg.	768,697	Aug. 30	5278	1109	111	2284
Dental appliance.	F. C. Rood.	770,115	Sept. 13	1840	390	112	432
Dental articulator.	L. Knight.	750,238	Jan. 19	3301	713	108	705
Dental articulator.	A. H. Fleming.	760,235	Apr. 18	184	36	111	1089
Dental articulator.	F. L. Williams.	757,304	Oct. 11	2201	481	112	1450
Dental bite-taker holder.	E. B. Marshall.	757,133	Apr. 12	1946	403	109	1752
Dental bridge.	F. Teague.	753,529	Mar. 1	603	137	109	181
Dental bur.	P. B. McCullough.	748,624	Jan. 12	2182	458	108	569
Dental-cement-injecting tube.	H. L. Crutenden.	749,846	Jan. 19	2851	564	108	624
Dental chair.	F. Ritter.	768,086	June 7	905	187	110	1633
Dental chair.	F. E. Case.	766,591	Aug. 2	916	193	111	1243
Dental-chair arm-rest.	A. W. Browne.	762,877	June 21	2526	548	110	2025
Dental clamp.	H. M. Carroll.	766,018	July 26	4245	906	111	963
Dental cuspidor.	H. E. Weber.	764,022	July 5	213	38	111	50
Dental-dam clamp.	W. H. Ivory.	775,083	Nov. 15	3046	646	113	720
Dental dilating-forceps, or appliance for dental or surgical use.	G. H. Parsons.	767,348	Nov. 29	5664	1199	113	1347
Dental disk-cutter.	J. A. Hallett.	766,608	Aug. 2	1142	237	111	1295
Dental draw-press.	H. E. Reynolds.	772,907	Oct. 18	3406	739	112	1733
Dental duct appliance.	F. P. Abbott.	765,337	July 19	3282	687	111	745
Dental engine and spittoon support.	W. B. and E. P. Alford.	771,961	Oct. 11	1486	337	112	1250
Dental-engine attachment.	I. Lyman.	767,705	Aug. 16	3106	692	111	1779
Dental-engine handpiece.	F. K. Hendon.	770,466	Nov. 29	5888	1244	113	1399
Dental handpiece.	L. H. Crawford.	768,396	Apr. 5	285	59, 60	109	1044
Dental handpiece.	A. C. Sargent.	766,204	Nov. 20	5384	1141	113	1283
Dental impression-cup.	C. L. Gibbs.	775,919	July 26	4042	893	111	920
Dental impression-cup. Adjustable.	C. C. Davis.	753,679	Mar. 1	889	201	109	138
Dental impressions.	C. Jonaldi.	755,670	Mar. 29	4769	1062	109	1105
Dental impressions. Obtaining correct.	W. B. Allen.	760,295	May 17	3410	720	110	802
Dental instrument.	J. Mills.	769,758	Sept. 13	1180	255	112	284
Dental lamp.	H. E. Dunn.	758,741	May 3	334	66	110	82
Dental manikin.	E. P. Wright.	760,943	July 12	2405	501	111	538
Dental matrix.	S. E. Knowles.	765,084	Aug. 16	3452	730	111	1841
Dental matrix.	W. Crenshaw.	758,422	Apr. 26	4425	951	109	2348
Dental-matrix retainer.	W. M. Sharp.	751,950	Feb. 9	2185	393	109	1544
Dental mouth-mirror.	R. Walker.	761,273	May 31	5383	1144	110	1264
Dental mouth-mirror.	W. Hare.	770,854	Sept. 27	3391	638	112	791
Dental mouth prop and mirror, cheek-distender, &c.	L. T. Parsons.	759,189	May 3	1181	242	110	269
Dental or surgical chair.	O. E. Driscoll.	739,128	Feb. 23	4483	997	108	2089
Dental-plate mold.	L. Ellertsen.	761,155	May 31	5123	1095	110	1216
Dental plates. Making.	A. W. Wimmer.	759,385	June 28	3329	760	110	2268
Dental plates. Swaging or fitting.	H. H. Gantz.	755,423	Mar. 22	4319	955	109	992
Dental plugger. Automatic.	A. L. Bower. (Reissue).	749,599	Jan. 19	2732	585	108	645
Dental polishing and grinding instrument sprayer.	M. A. Sparks.	764,871	Oct. 25	4881	411	112	2061
Dental preparation for capping pulps.	R. Walker.	777,821	July 12	2650	589	113	2044
Dental process.	E. C. Reed.	769,667	Sept. 6	998	216	112	227
Dental separator.	G. B. Wortman.	760,050	May 17	2940	614	110	696
Dental suction-plate.							
Dental swaging-machine.							

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Dental tool.....	R. M. Chase.....	770,162	Sept. 13	1926	411	112	450
Dental tool.....	E. Forquignon.....	778,650	Dec. 27	4343	948	113	2414
Dental-tooth guard.....	R. L. Magoon.....	768,918	June 28	4547	992	110	2485
Dental-tooth-pin-pointing tool.....	L. H. C. de Fernelmont.....	774,898	Nov. 15	2557	550	113	605
Dental trough.....	F. Edgelow.....	767,553	Aug. 16	3286	908	111	1717
Dental use. Combined mouth-prop, tongue-protector, &c., for.....	W. Hare.....	770,853	Sept. 27	3290	693	112	791
Dental vulcanizer.....	A. Goebel.....	776,838	Dec. 6	755	165	113	1592
Dental work. Apparatus for shaping metal parts in.....	D. N. Booth.....	766,586	Aug. 2	907	191	111	1241
Dentifrice.....	E. C. Kirk.....	760,397	May 17	3594	110	812	
Dentistry.....	D. T. Hill.....	770,056	Sept. 13	1751	370	112	412
Dentist's implement.....	L. H. Zeran.....	769,426	Sept. 6	565	124	112	129
Dentist's instrument-holder.....	W. G. Hullhorst.....	774,879	Nov. 15	2635	566	113	623
Denture. Artificial.....	O. C. and J. R. Haldeman.....	758,750	May 3	348	69	110	85
Denture. Artificial.....	C. and J. R. Haldeman.....	764,598	July 5	1263	259	111	276
Denture-plates, &c., antiseptic. Rendering.....	L. Eilertsen.....	749,276	Jan. 12	1492	108	359	
Depth-gage.....	F. Spalding.....	763,076	June 21	2899	625	110	2108
Derailer.....	S. W. Hayes.....	778,578	Dec. 27	4197	915	113	2380
Derailer and rerailer. Combined.....	G. L. Mansfield.....	758,994	May 3	815	165	110	188
Derailing-block.....	M. O. Mitchell.....	766,960	Aug. 9	1749	360	111	1448
Derailing device.....	O. J. Travis.....	768,709	Aug. 30	5900	1113	111	2289
Derailment-guard.....	E. Mueller.....	773,409	Oct. 25	4594	970	112	2918
Derailment-guard.....	R. J. Edwards.....	777,189	Dec. 13	1429	316	113	1759
Derailment-guard.....	R. J. Edwards.....	777,190	Dec. 13	1430	316	113	1759
Derrick.....	O. Daniels.....	752,379	Feb. 16	3005	669	108	1746
Derrick.....	C. R. B. Claflin.....	753,237	Mar. 1	43	11	109	12
Derrick.....	A. E. Parker.....	760,557	May 24	3917	832	110	932
Derrick.....	W. Heckart.....	769,439	Sept. 6	586	128	112	131
Derrick.....	J. H. Fox.....	774,660	Nov. 8	2144	469	113	491
Derrick and dump. Combination.....	C. F. Smith.....	752,187	Feb. 16	2624	582	108	1660
Derrick and excavator. Combined.....	C. Bishop.....	777,834	Dec. 20	2706	1595	113	2049
Derrick bull-wheel. Revolving.....	A. Lambert.....	766,066	June 7	875	180	110	1627
Derrick. Drill.....	L. H. Emerson and S. P. Kerstetter.....	767,638	Aug. 16	3053	638	111	1734
Derrick-frame. Shaft-hoist.....	A. Klönne.....	766,452	Aug. 2	610	129	111	1173
Derrick. Lifting.....	H. C. Sr., and H. C. Stone, Jr.....	772,586	Oct. 18	2779	612	112	1597
Derrick. Pole.....	F. D. Byler and D. M. Mast.....	764,987	July 12	2325	460	111	503
Derrick. Portable.....	S. M. Poltz.....	776,657	Dec. 6	378	82	113	1512
Derrick. Portable.....	W. G. Read.....	777,807	Dec. 13	1646	366	113	1807
Derrick-swinging mechanism.....	C. A. Baechtold.....	749,352	Jan. 12	1610	349	108	394
Derrick. Well.....	J. C. Kuapp.....	751,078	Feb. 2	544	127	108	1178
Derricks. Machine for use in connection with.....	R. Lahey and E. Graffius.....	769,264	Sept. 6	240	57, 58	112	53
Designs, ornamental, or letters on articles. Material for producing.....	R. K. Duncan.....	748,851	Jan. 5	569	108	127	137
Desk.....	O. C. Dorney.....	753,050	Feb. 23	4946	967	108	2060
Desk.....	T. Kundtz.....	761,892	June 7	566	113	110	1566
Desk.....	F. C. Valentine.....	764,832	July 12	1925	394	111	437
Desk and seat. Adjustable school.....	W. L. Starkey. (Reissue).....	12,199	Feb. 23	4664	1098	108	2130
Desk attachment.....	W. B. Bridges.....	768,168	Aug. 23	4166	876	111	2919
Desk, book-rack, and easel. Combination.....	E. M. Miller.....	752,990	Feb. 23	4232	943	108	2024
Desk. Convertible table.....	M. McKee.....	749,699	Jan. 12	2334	493	108	541
Desk-cover.....	K. K. Moulton.....	756,040	Mar. 29	5319	1217	109	1373
Desk for hotel-registers.....	G. P. Rose, Jr.....	752,802	Feb. 23	3829	859	108	1943
Desk. Hotel-register.....	J. I. Haycraft.....	757,920	Apr. 19	3411	738	109	2106
Desk-light bracket.....	T. Smith.....	759,924	May 17	2687	565	110	628
Desk-lock.....	L. Moore.....	750,884	Jan. 26	3648	792	108	862
Desk or writing-table attachment. School.....	J. C. Gilson and D. H. Rowe.....	763,878	June 28	4470	974	110	2468
Desk. Portable.....	T. Cram.....	753,808	Mar. 8	1922	291	109	258
Desk. Reference-book shelf.....	J. A. Lawson.....	752,234	Feb. 16	2719	602	108	1684
Desk. Roll-top.....	H. Abrahams.....	769,287	Sept. 6	302	70	112	65
Desk. School.....	J. F. Field.....	750,327	Jan. 26	3917	849	108	919
Desk. Telephone order.....	W. B. Schmidt.....	767,356	Aug. 9	2475	517	111	1606
Desk. Wall.....	W. E. Burks.....	775,650	Nov. 22	4302	908	113	1026
Despatch-box for overhead lines. Electric.....	R. T. Piscicelli.....	773,416	Oct. 25	4613	974	112	2022
Detachable bracket.....	M. R. Mucklé, Jr.....	761,529	May 31	5848	1253	110	1369
Detachable handle.....	L. H. Soisson.....	749,753	Jan. 19	2470	1254	108	588
Detachable handle.....	W. I. Lyon.....	775,662	Nov. 22	4337	915	113	1033
Detachable handle for valises, &c.....	K. Salzberg.....	776,805	Dec. 6	688	151	113	1578
Detector.....	See Coin-detector. High-potential-energy Electrical-disturb-ance detector. Slub-detector. Gas-detector.						
Detector-bar automatic cut-off.....	J. T. Hamby.....	763,180	June 21	3103	668	110	2153
Detergent compound.....	J. K. Heikes.....	759,103	May 3	1016	109	230	
Detonator.....	J. G. Raquet.....	735,934	Mar. 29	5286	1175	109	1231
Developing and fixing device. Pocket.....	R. R. Lutz.....	748,964	Jan. 5	792	171	108	180
Developing apparatus. Daylight plate.....	J. Lespérance.....	750,665	Jan. 26	4165	903	108	970
Developing device. Dry-plate.....	W. Bullock.....	775,001	Nov. 15	2877	614	113	680
Dextrin. Manufacture of.....	G. Reynaud.....	753,390	Mar. 22	4964	942	109	961
Diagnosis apparatus.....	B. J. Francis.....	761,369	May 31	5583	1180	110	1309
Dial.....	A. J. Farmer.....	766,679	Aug. 2	1114	232	111	1289
Dial-sinking.....	C. B. Nichols.....	762,082	June 7	900	186	110	1632
Dialkyl carbinols. Making.....	J. de Miniszewski.....	778,243	Dec. 27	3530	690	113	2237
Diamond-cutting machine.....	F. Krause.....	775,050	Dec. 30	3177	629	113	2143
Diamond draw-plates. Making.....	F. Krause.....	751,180	Feb. 2	739	169	108	1215
Diamonds for industrial purposes. Apparatus for setting.....	F. Krause.....	757,318	Apr. 13	2213	484	109	1831
Diaper.....	H. B. Campbell.....	771,001	Sept. 27	3574	758	112	856

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Diaper-fastener and hose-supporter. Combined	R. A. Ingalls	761,493	May 31	5788	1237	110	1357
Diaphragm indicating, controlling, and measuring appliance.	J. Grouvelle and H. Arquembourg.	748,944	Jan. 5	758	164	108	172
Diary	H. L. Wilson	776,632	Dec. 6	333	71	113	1502
Die:							
See Bending-die.	Roller-die.						
Brick or tile die.	Screw-cutting die.						
Hat-die.	Screw-threading die.						
Matrix or type-die.	Shingle-die.						
Releasing-die.	Wire-drawing die.						
Die	G. Keppler	775,826	Nov. 22	4630	983	113	1097
Die-cutting machine	E. Meyers	766,456	Aug. 2	617	131	111	1175
Die-cutting machine	B. J. Abbott	767,511	Aug. 16	2800	585	111	1697
Die for cutting taper threads	W. Vosper	763,816	June 28	4354	946	110	2443
Die-head	W. J. Smith	764,386	July 5	982	198	111	218
Die-lifter	E. B. Hawkins	766,694	Aug. 2	1144	237	111	1295
Die marking and laying-out machine	W. J. Richards	773,896	Nov. 1	726	155	113	166
Die-opening mechanism	S. A. Maxwell	755,028	Mar. 22	3593	790	109	836
Die or pattern cutting machine	F. P. Pfelehar	770,442	Sept. 20	2474	525	112	592
Die-press	H. C. H. Walsh	770,666	Sept. 20	2913	619	112	692
Die-press	A. W. and A. H. Roovers	775,354	Nov. 22	3663	777	113	885
Die-sinking machine	W. Hunziker	776,913	Dec. 6	901	194	113	1625
Die-stock	J. J. Delehaunt	774,658	Nov. 8	1982	431	113	457
Die-stock ratchet mechanism	L. F. Hart	762,630	June 14	2007	434	110	1883
Dies	G. S. Tiffany	755,187	Mar. 22	3872	855	109	896
Diffusion-battery	A. Rak	755,546	Mar. 22	4525	1007	109	1035
Digger:							
See Post-hole digger.	Trench-digger.						
Potato-digger.							
Digging and loading machine	D. McDonald	754,592	Mar. 15	2769	603	109	638
Digging machine. Sewer.	J. J. Hickey	760,205	May 17	3252	681	110	765
Digging or dredging bucket	W. S. Ferguson	768,118	Aug. 23	4078	858	111	2001
Dike. Submerged	D. Neale	761,898	June 7	579	115	110	1568
Dilator	W. A. K. Campbell	765,879	July 26	3969	846	111	908
Direct-acting engine	T. E. Stortevant	760,165	May 17	3184	667	110	750
Direct-current generator	W. H. Foot	758,635	May 3	60	12	110	18
Directory. Indexed mechanical	G. W. Maxwell	774,827	Nov. 8	1900	413	113	440
Directory. Telephone	F. Drown	763,063	June 21	2924	632	110	2114
Directory. Telephone	M. G. Brownell	763,940	June 28	4589	1043	110	2494
Directory. Telephone	N. B. Porter	774,139	Nov. 1	1189	253	113	269
Discharge mechanism and valve. Automatic	F. J. Douglas	776,014	Nov. 29	5087	1062	113	1204
Discount meter. Demand	F. P. Cox	750,948	Feb. 2	320	75	108	1128
Discus	H. M. Holland and J. F. McLean	772,356	Oct. 18	2382	511	112	1500
Disease. Appliance for treatment of	E. A. Learman	762,643	June 14	2030	439	110	1897
Diseases by light-rays. Apparatus for treating	C. F. Stewart	768,827	Aug. 30	5531	1164	111	2341
Diseases. Cabinet for treatment of hemorrhoids or other	B. F. Johnson	763,765	June 28	4942	924	110	2421
Dish	J. H. Crowell	766,427	Aug. 2	562	119	111	1163
Dish	S. Frost	771,138	Sept. 27	3856	813	112	917
Dish cover-holder. Table	P. T. B. Nevius	759,046	May 3	840	171	110	193
Dish-drainer. Collapsible	G. E. Jones	777,811	Dec. 13	1476	326	113	1769
Dish. Metallic	W. L. Martin	755,786	Mar. 29	5029	1117	109	1163
Dish or linen washing machine.	M. E. Kellum	767,568	Aug. 16	2905	608	111	1721
Dish-washer	U. C. Anderson	755,832	Mar. 29	5115	1133	109	1184
Dish-washer	D. T. Jones	761,078	May 31	5008	1061	110	1183
Dish-washer	J. J. Miller	773,085	Oct. 25	3840	820	112	1849
Dish-washer and churn	B. B. Kenney	771,158	Sept. 27	3894	821	112	924
Dish-washing apparatus	L. W. Haring	750,851	Feb. 2	135	31	108	1087
Dish-washing machine	J. H. Griswold	748,859	Jan. 5	580	132	108	131
Dish-washing machine	C. S. Chamberlain	760,777	May 24	4383	922	110	1093
Dishing and flanging machine. Combined	L. Hjorth	766,826	Aug. 9	1450	303	111	1383
Disinfectant-receptacle	W. L. McDonald	748,636	Jan. 5	163	39	108	36
Disinfectants to water-closets. Apparatus for applying	G. S. Gallagher	749,963	Jan. 19	2862	611	108	673
Disinfecting apparatus	A. Giersiepen	757,806	Apr. 19	3199	695	109	2060
Disinfecting apparatus	G. Dubuis	760,061	May 17	2964	618	110	703
Disinfecting apparatus	R. J. Wilson	761,122	May 31	5058	1081	110	1201
Disinfecting apparatus for barbers' implements	F. I. Fischer	768,848	Aug. 30	5679	1172	111	2352
Disinfecting attachment. Telephone	C. Bravi-Bertini	753,466	Mar. 1	460	108	109	101
Disinfecting device	F. A. Martin	752,695	Feb. 23	3636	810	108	101
Disinfecting device. Telephone	W. H. Rose	777,310	Dec. 13	1654	367	113	1810
Disinfecting devices. Door closer and check for operating	F. A. Martin	768,133	Aug. 23	4107	893	111	2006
Disinfecting paper money. Apparatus for	C. B. Clark	750,347	Jan. 26	3585	776	108	849
Disintegrating-machine	W. A. Parry	753,304	Mar. 1	166	37	109	39
Disintegrator	W. Cox	769,253	Sept. 6	229	58	112	30
Disk and colter holder	J. Durkee	776,535	Dec. 6	237	52	113	1481
Disk drill	W. A. Lee	768,768	Aug. 30	5394	1136	111	2311
Disk drill	W. A. Van Brunt	769,202	Sept. 6	120	30	112	27
Disk drill	H. N. Faas	776,504	Dec. 6	59	15	113	1438
Disk drill	C. H. Pelton	777,487	Dec. 13	2002	442	113	1885
Disk-scraper	W. Fetzner	756,107	Mar. 29	5551	1247	109	1302
Dispensing apparatus	O. Ziems	778,770	Dec. 27	4549	966	113	2459
Dispensing apparatus	F. J. Murphy	774,888	Nov. 15	2654	570	113	627
Dispensing apparatus	E. E. Murphy	774,889	Nov. 15	2655	570	113	627

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Dispensing-tank	W. R. Barton.	750,794	Feb. 2	27	5	108	1063
Dispensing vessel	J. G. Lowe.	763,917	June 28	4545	991	110	2484
Display and advertising stand. Combined	J. K. Patton	758,682	May 3	149	32	110	86
Display and reserve-stock case for thimbles	J. B. Ingalls	764,589	July 5	1264	259	111	276
Display apparatus. Automatic electrical	B. A. Gilbert	764,539	July 5	1315	267	111	289
Display article	H. Wilcox	778,308	Dec. 20	9450	733	113	2240
Display-box easel-support.	C. W. De Laney	769,585	Sept. 6	782	168	112	177
Display box. Neckwear.	W. R. Delaney	760,431	May 24	3658	774	110	872
Display-cabinet	E. A. Wilcox	757,003	Apr. 12	1575	345	109	1698
Display-cabinet	O. E. Duerr and C. A. Mortland	764,280	July 5	745	152	111	105
Display-cabinet	J. L. Tandy	774,171	Nov. 1	1152	246	113	261
Display cabinet. Goods.	W. F. Fink	755,541	Feb. 16	3310	737	108	1813
Display-can holder. Biscuit.	E. L. Reed	778,800	Dec. 27	4606	1006	113	2472
Display-can or box. Sheet-metal	B. H. Larkin	764,296	July 5	777	159	111	172
Display-can or box. Sheet-metal	B. H. Larkin	764,297	July 5	779	159	111	172
Display-card attachment	L. Lemos	767,156	Aug. 9	2117	441	111	1528
Display-card holder.	F. W. Birgardt	777,655	Dec. 20	2360	518	113	1976
Display-card holder.	C. C. Goetz	778,029	Dec. 20	3120	686	113	2131
Display-card. Jewelry.	T. Webster and C. C. Cadwell	777,823	Dec. 20	2682	590	113	2044
Display-case	C. M. Athey	751,137	Feb. 2	653	151	108	479
Display-case	W. C. Rood	751,538	Feb. 19	1440	327	108	1884
Display-case	B. G. Baird	759,588	May 10	2057	416	110	119
Display-case.	J. M. Alford	764,028	July 5	234	42	111	54
Display-case	L. M. Picker and J. H. Schumer	766,197	Aug. 2	87	16	111	1060
Display-case	L. W. Plummer	771,572	Oct. 4	700	155	112	1108
Display-case	C. J. Johnson	771,731	Oct. 4	991	222	112	1171
Display case or rack	L. M. Siersdorfer	772,837	Oct. 18	3260	712	112	1701
Display-curtain holder and repository	T. J. McElhenie	766,373	Aug. 2	457	98	111	1141
Display device	J. Russ	751,109	Feb. 2	597	138	108	1188
Display device	W. B. Main	755,900	Mar. 23	5346	1160	109	1214
Display device	W. J. Birgardt and M. Ries	758,777	May 3	396	80	110	100
Display device	L. A. de Kernay	766,627	Aug. 2	997	209	111	1263
Display device	J. H. Preston	768,009	Aug. 30	5695	1197	111	2330
Display device	C. E. Wilton	773,242	Oct. 25	4250	899	112	1941
Display device. Card.	S. D. Black	764,703	July 12	1457	338	111	378
Display-easel	J. E. Twitchell	760,403	May 17	3604	759	110	845
Display-fixture.	A. A. Braten	763,041	June 21	2826	613	110	2091
Display-fixture	E. T. Palmenberg	773,973	Nov. 1	879	185	113	202
Display-form	J. T. Brown	777,272	Dec. 13	1579	352	113	1792
Display-form	H. O. Miller	777,299	Dec. 13	1628	362	113	1803
Display-hanger.	E. E. Guilford	764,121	July 5	419	82	111	91
Display-hanger	C. A. Rosburg	769,569	Sept. 6	836	179	112	189
Display-holder	O. A. De Long	769,592	Sept. 6	873	188	112	197
Display or advertising apparatus	E. Lundin	759,815	May 10	2478	518	110	875
Display-package	J. P. Hamel	766,356	Aug. 2	483	92	111	1135
Display-rack	J. F. Theiss	749,464	Jan. 12	1899	385	108	447
Display-rack	M. J. Redding	750,063	Jan. 19	3060	657	108	714
Display-rack	C. Burnside and J. E. Bedell	750,803	Feb. 2	38	8	108	1065
Display-rack	E. W. Durkee	752,387	Feb. 16	3026	674	108	1730
Display-rack	W. J. McNab	756,689	Apr. 9	947	208	109	1545
Display-rack	D. S. Campbell	759,075	May 3	973	197	110	221
Display-rack	H. C. Hamilton	759,992	May 17	2835	593	110	673
Display-rack	J. E. Roos	764,256	July 5	698	141	111	154
Display-rack	J. Clinton	766,931	Aug. 9	1667	350	111	1431
Display-rack	C. L. Taylor	768,848	Sept. 20	1365	292	112	338
Display-rack	J. E. Roos	772,375	Oct. 18	2361	513	112	1306
Display-rack	E. B. Weston	776,282	Nov. 29	5539	1173	113	1317
Display-rack. Adjustable.	R. R. Edwards	764,046	July 5	265	49	111	61
Display-rack for ribbons, &c.	J. M. Bostwick	756,462	Apr. 5	546	114	109	1459
Display-rack for umbrellas, &c.	F. H. Hohoff	769,806	May 24	4555	970	110	1069
Display-rack holder.	E. Bollhoefer	765,610	July 19	3408	719	111	772
Display rack or case	C. D. Allen	757,643	Apr. 19	2887	629	109	1992
Display rack or holder	S. Kraus.	769,616	Sept. 6	910	197	112	306
Display-receptacle for objects immersed in preservative liquids.	M. J. Greenman and H. Jayne	774,430	Nov. 8	1695	362	113	897
Display-stand	F. C. Mason	749,493	Jan. 12	1960	407	108	459
Display-stand	F. C. Mason	749,494	Jan. 12	1961	407	108	459
Display-stand	H. Burnstone.	750,804	Feb. 2	39	8	108	1065
Display-stand	P. G. Whnaas	756,754	Apr. 5	1080	240	109	1574
Display-stand	J. L. Parker	770,172	Sept. 13	1943	415	112	454
Display-stand	C. E. Wilton	770,218	Sept. 20	2249	471	112	543
Display-stand	C. E. Wilton	773,241	Oct. 25	4248	898	112	1943
Display-stand	M. W. Reeves	775,191	Nov. 15	3277	700	113	773
Display-stand	A. Wright	776,284	Nov. 29	5541	1173	113	1318
Display-stand for sanitary fixtures.	F. Fanning	776,335	Dec. 27	3717	811	113	2277
Display-stand. Sample-sheet rotary	G. H. Whaple	768,644	Aug. 30	5158	1083	111	2259
Display-tray	B. Lenzen	755,021	Mar. 22	3585	787	109	835
Displaying device. Couch.	H. J. Montgomery	748,770	Jan. 5	400	92	108	89
Displaying device. Curtain.	E. D. Valliant	770,756	Sept. 27	3078	633	112	744
Distance or range finding instrument	T. Adamson	778,567	Jan. 5	3555	769	112	1785
Distillation apparatus. Wood.	J. W. Spurlock	751,098	Feb. 9	1685	382	108	1435
Distillation apparatus. Wood.	C. M. Palmer	754,232	Mar. 8	2005	446	109	457
Distillation apparatus. Wood.	J. A. Mathien	769,177	Sept. 6	78	19, 20	112	18
Distillation of crude oils from pine-wood.	C. C. Mallonee	765,717	Aug. 2	1189	350	111	1305
Distillation of resinous wood. Destructive.	J. C. Broughton.	771,706	Oct. 4	953	213	112	1163
Distillation of wood and production of charcoal.	H. A. Mackie	757,939	Apr. 19	3447	746	109	2114
Apparatus for the distillation of wood. Apparatus for the destructive	G. O. Gilmer. (Reissue)	12,208	Mar. 22	4634	1029	109	1060
Distillation of wood. Destructive	G. O. Gilmer	762,303	June 14	1333	285	110	1794
Distilling and evaporating apparatus	W. H. Gesner.	773,139	Oct. 25	4023	853	112	1894

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Distilling and preserving apparatus. Wood	F. S. Davis	774,649	Nov. 8	2121	463	113	487
Distilling apparatus	J. M. Moore	749,316	Jan. 12	1570	464	108	378
Distilling apparatus	A. C. G. Dupuis and W. S. Fell	749,388	Jan. 12	1680	332	108	403
Distilling apparatus. Crude-oil	J. C. Mallonee	764,138	July 5	448	358	111	97
Distilling apparatus. Petroleum	L. Gathmann	755,760	Mar. 29	4980	87, 88	109	1151
Distilling apparatus. Water	W. Rochitz	771,832	Oct. 11	1212	1108	112	1233
Distilling apparatus. Wood	W. C. Douglas	753,376	Mar. 1	284	1109	109	64
Distilling apparatus. Wood	B. Viola	767,090	Aug. 9	1978	412	111	1500
Distilling apparatus. Wood	B. Viola	767,091	Aug. 9	1980	412	111	1500
Distilling liquids	W. E. Garrigues	774,171	Nov. 8	1247	366	113	239
Distilling or refining hydrocarbon oils and spirits	L. Gathmann	768,796	Aug. 30	5458	1149	111	2325
Distilling system and apparatus	L. Gathmann	768,795	Aug. 30	5454	1148	111	2325
Distribution and information board	W. E. Symons	771,335	Oct. 4	222	50	112	1008
Distribution system	W. M. Scott	762,257	June 7	1219	263	110	1704
Distribution system	J. B. Taylor	777,866	Dec. 20	2787	612	113	2065
Ditching and grading machine	R. Russell	757,417	Apr. 12	2412	526	109	1872
Ditching and grading machine	H. Henderson	759,610	May 10	2082	426	110	488
Ditching-machine	M. B. True	749,778	Jan. 19	2519	535	108	598
Ditching-machine	J. Page	750,686	Jan. 26	4210	913	108	980
Ditching-machine	G. W. Bashaw	769,046	Aug. 30	5979	1232	111	2443
Ditching-machine	S. D. Layton	771,374	Oct. 4	307	68	112	1026
Ditching-machine	J. H. Sylvestersen	774,458	Nov. 8	1761	380	113	410
Ditching-machine	J. W. Dutton	776,124	Nov. 29	5241	1107	113	1250
Ditching-machine	J. W. Dutton	776,125	Nov. 29	5243	1107	113	1250
Ditching-machine	H. Wehmiller	776,576	Dec. 6	216	48	113	1470
Ditching-machine. Tile	E. and C. W. Jeschke	755,012	Mar. 22	3568	782	109	381
Dividers	T. R. Skinner	754,906	Mar. 15	3369	736	109	770
Dividers	T. R. Skinner	761,855	June 7	492	99	110	1510
Dividers and calipers. Combination	P. S. Palmer	762,553	June 14	1869	409	110	1863
Dividers. Proportional	A. Basola	753,221	Mar. 1	10	2	109	4
Diving apparatus	J. von Miniszewski	766,643	Aug. 2	1025	215	111	1268
Diving-suit	E. B. Petrie and J. E. Martin	767,659	Aug. 16	3084	645	111	1761
Diving suits or apparatus. Means for forcing water from	E. B. Petrie and J. E. Martin	766,465	Aug. 2	638	136	111	1179
Dobby and jacquard device. Combined	H. Reufer	770,112	Sept. 13	1834	387	112	430
Dock. Elevated storage	C. Palmer	751,000	Feb. 2	406	96	108	1147
Dock. Floating	A. C. Cunningham	749,171	Jan. 12	1260	272	108	309
Dock. Floating	H. H. J. Dieckhoff	755,854	Mar. 29	5168	1143	109	1197
Dock pontoons. Pipe-joint for floating dry	N. A. Berner	762,872	June 21	2520	546	110	2023
Doll	A. J. Thowless	752,607	Feb. 16	3454	772	108	1843
Doll. Dancing	Y. F. Pinnick	758,469	Apr. 26	4507	968	109	2366
Dolls or other toy figures going on rolls. Mechanism for walking	P. Fuchs	754,861	Mar. 15	3297	718	109	755
Domestic boiler	H. A. Miller	753,909	Mar. 8	1370	309	109	316
Domestic boiler	S. C. Shoup	754,717	Mar. 15	3024	650	109	695
Domestic boiler	J. Edwards	760,322	May 17	3461	729	110	812
Domestic heater	C. A. Commiskey	750,606	Jan. 26	4073	882	108	90
Domestic press	L. H. Taylor	761,860	June 7	500	100	110	1551
Domino	J. C. Howell, Sr	778,245	Dec. 27	3532	775	113	2238
Door	A. Ritter	765,196	July 19	2605	544	111	600
Door. Adjustable screen	E. P. Williams	771,688	Oct. 4	919	207	112	1155
Door. Air	J. T. Deviese	750,617	Jan. 26	4089	885	108	953
Door-alarm. Automatic	P. Bourne	770,355	Sept. 20	2704	572	112	644
Door and sash fastening device	V. Bail	749,515	Jan. 12	1997	415	108	467
Door attachment	W. M. Taylor and W. Hollie	758,942	May 3	729	145	110	171
Door, &c., attachment. Screen	O. J. Coppins	774,351	Nov. 8	1577	337	113	372
Door automatic lifting device. Trap	H. Tesseymann	778,513	Dec. 27	4070	888	113	2355
Door. Automatic sliding	F. Dentler	773,128	Oct. 25	3990	845	112	1889
Door bolt and lock. Bar	O. G. Parsons	767,135	Dec. 13	1343	297	113	1741
Door-brace	F. Dahlund	776,892	Dec. 6	869	186	113	1618
Door-catch	C. A. Borein	774,229	Nov. 8	1349	287	113	321
Door-catch. Double	W. T. Tower	761,794	June 26	369	75	110	1521
Door. Cellar	J. E. Felt	766,061	July 26	4312	924	111	977
Door-check	R. W. Hubbard	750,650	Jan. 26	4141	899	108	964
Door-check	R. R. Smith	752,117	Feb. 16	2503	557	108	1632
Door-check	J. C. Moore	753,997	Mar. 8	1559	348	109	360
Door-check	E. J. Passino	755,386	Mar. 22	4259	941	109	979
Door-check	D. D. Ryan	755,795	Mar. 29	5046	1121	109	1167
Door-check	H. W. La Munyon	758,980	May 3	788	159	110	182
Door-check	R. A. Lackey	759,621	May 10	2110	433	110	495
Door-check	F. G. Neuberth	765,396	July 19	2990	103	111	688
Door-check	O. C. Rixson	766,387	Aug. 2	486	104	111	1148
Door-check	H. Van Blarcom and H. B. Hitz	769,201	Sept. 6	118	29	112	27
Door-check	E. J. Wells	770,837	Sept. 27	3265	688	112	786
Door-check	R. W. Hubbard	772,514	Oct. 18	2645	551	112	1568
Door check and closer	W. J. Bryon, Jr	750,802	Feb. 2	95	7	108	105
Door check and closer	J. Bardsley	753,638	Mar. 8	1248	281	109	290
Door check and closer	J. A. Young	754,629	Mar. 15	2837	619	109	633
Door check and closer	W. Pelzer	754,690	Mar. 15	2961	647	109	679
Door check and closer	J. Bardsley	777,393	Dec. 13	1835	404	113	1847

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Door check and lock	A. Kaib and A. A. R. Berger	768,528	Aug. 23	4887	1024	111	2182
Door-check. Automatic.	S. J. Rawlings	759,013	May 3	851	1025	110	195
Door-check. Sliding.	W. H. Taylor	760,583	May 24	3964	841	110	943
Door-closer.	W. L. Pease and C. E. Van Norman	767,167	Aug. 9	2136	842	111	1533
Door-closer and check	E. Cliff	748,999	Jan. 5	720	156	108	163
Door-closer. Automatic.	J. E. Gates and F. Elbstadt	772,095	Oct. 11	1781	157	112	1357
Door-closing device.	G. C. Rixon	766,386	Aug. 2	481	103	111	1147
Door-closing fixture. Sliding.	L. C. Norton	773,413	Oct. 25	4602	972	112	2050
Door-controlling device.	A. D. Caywood	776,594	Nov. 29	5557	1176	113	1322
Door draft, rain, and dust excluder	A. Parker	761,704	June 7	165	31	110	1475
Door-fastener	C. Coleman and A. N. Gregory	739,673	May 10	2206	454	110	515
Door-fastener	W. Box	760,551	May 24	4724	1006	110	1104
Door-fastener	H. Kappeler	767,566	Aug. 16	2903	607	111	1721
Door-fastener	D. Wilde	774,627	Nov. 8	2083	454	113	478
Door-fastener. Portable	R. F. Poenitz	750,092	Jan. 26	4222	916	108	982
Door fastener. Sliding.	A. W. Zimmermann	775,618	Nov. 22	4244	895	113	1013
Door fastener. Sliding.	P. J. Casserly	777,332	Dec. 13	1702	876	113	1820
Door-fastening	L. A. de Mayo	773,759	Nov. 1	91	19	113	26
Door-fastening device	C. Cadwallader	756,820	Apr. 12	1230	274	109	1623
Door-fastening device.	C. H. Bellamy	776,378	Nov. 29	5720	1210	113	1360
Door-fitting device	M. W. Washington	773,176	Oct. 25	4117	869	112	1916
Door. Flexible	C. O. Dodge and G. Miller	773,228	Dec. 27	3468	767	113	2228
Door fly-excluding attachment. Screen.	J. M. Robinson	767,441	Aug. 16	2647	556	111	1662
Door. Folding.	W. Richardson	755,551	Mar. 22	4535	1010	109	1038
Door frame. Screen.	J. Schnettler	753,637	Mar. 1	796	178	109	174
Door-gage	D. Millsbaugh	748,873	Jan. 5	608	137	108	136
Door, gate, &c.	W. R. and R. Pitt	752,413	Feb. 16	3079	683	108	1760
Door, gate, &c.	W. R. and R. Pitt	774,493	Nov. 8	1882	887	113	426
Door, gate, or like hanger	W. Rohde and W. Hastings	752,924	Feb. 23	4097	913	108	2004
Door. Grain.	G. L. Merrill	769,706	Sept. 13	1088	233	112	265
Door-guard.	B. D. Jones	754,219	Mar. 8	1981	440	109	452
Door-guard. Self-locking.	E. H. Doherty	766,331	Aug. 2	387	82	111	1126
Door guide. Sliding.	T. E. Robinson	768,312	Aug. 23	4448	934	111	2051
Door-handle shield.	T. von Wobeser	756,447	Apr. 5	521	108	109	1454
Door-hanger	F. A. Burdett	750,589	Jan. 26	4049	875	108	945
Door-hanger	F. B. Cook	750,608	Jan. 26	4076	882	108	951
Door-hanger	F. F. Bischoff	755,607	Mar. 20	4640	1032	109	1077
Door-hanger	C. E. Harrington	768,333	June 28	3547	763	110	2272
Door-hanger	J. F. Lydon. (Reissue)	12,247	July 26	4533	969	111	1025
Door-hanger	J. T. McCabe	768,137	Aug. 23	4112	865	111	2008
Door-hanger	J. Cramer	768,669	Aug. 30	5218	1096	111	3271
Door-hanger	G. Lane	772,321	Oct. 11	3632	446	112	1411
Door-hanger	T. C. Prouty	773,757	Nov. 7	427	94	113	101
Door-hanger	T. C. Prouty	774,338	Nov. 8	1553	333	113	366
Door-hanger	F. W. Miller	775,223	Nov. 15	3357	715	113	789
Door-hanger and track. Sliding.	J. H. Burckholder	771,766	Oct. 4	1070	239	112	1188
Door hanger. Barn.	W. S. Wilson	750,089	Mar. 29	5736	1233	109	1203
Door hanger. Sliding.	W. Axman and E. Kuechle	766,578	Aug. 2	894	188	111	1237
Door hanger. Sliding.	W. A. McClure	776,195	Nov. 29	5372	1137	113	1280
Door-hanging	M. Ferrara	772,611	Oct. 18	2822	620	112	1606
Door-holder	C. A. Mann	767,001	Aug. 9	1792	376	111	1459
Door-holder	F. W. Ruppman	776,946	Dec. 6	975	205	113	1642
Door-jamb-setting machine	C. L. Bronk	751,050	Feb. 2	491	114	108	1167
Door-lock	J. Sliga	759,642	Mar. 1	804	179	109	176
Door-lock-actuated circuit-breaker	G. G. Knapf	739,814	May 10	2476	518	110	575
Door lock. Cell.	J. J. Lankford	755,150	Feb. 23	3517	1007	108	2097
Door lock. Sliding.	I. N. Sweet	777,449	Dec. 13	1925	425	113	1859
Door-opener	G. L. Theige	749,339	Jan. 12	1617	342	108	390
Door-opener	T. E. Lee	762,729	June 14	2215	481	110	1936
Door-opener	W. L. Edwards	767,555	Aug. 16	2888	604	111	1718
Door-opener	G. Rischmuller. (Reissue)	12,279	Sept. 27	4004	847	112	947
Door-opener	G. Rischmuller	772,060	Oct. 11	3632	446	112	1411
Door opener or closer	W. A. Fagan	777,193	Dec. 13	1434	317	113	1760
Door opener. Trap.	C. H. Moos	762,741	June 14	2236	486	110	1940
Door opening and closing device	J. F. Connell	773,531	Oct. 25	4878	1029	112	2080
Door opening and closing device. Mechanical	W. F. and J. Drieschman	748,848	Jan. 5	556	128	108	126
Door-opening apparatus.	H. S. Stewart	762,770	June 14	2236	490	110	1939
Door-opening attachment	E. F. Hicks	750,363	Jan. 26	3610	783	108	855
Door-operating appliance	F. L. Brewer	778,103	Dec. 20	3254	714	113	2159
Door-operating device. Double	C. P. and F. E. Howard	776,397	Nov. 29	5754	1218	113	1967
Door-operating device. Jail.	L. Mayer	772,469	Oct. 18	2553	562	112	1548
Door-operating mechanism.	L. A. Shepard	749,108	Jan. 5	1123	237	108	259
Door or gate opening or closing device.	J. F. Connell	760,730	May 24	4388	932	110	1034
Door or like frame	E. Ohnstrand	754,492	Mar. 15	2586	561	109	601
Door or screen	G. J. Record	763,693	Aug. 30	5271	1108	111	2282
Door or shutter	J. Diericks	759,163	May 3	1131	229	110	257
Door or window fastener	E. Homer	777,342	Dec. 13	1726	382	113	1825
Door or window guard. Cell.	D. N. Gesner and W. H. Leete	774,874	Nov. 15	2630	565	113	621
Door or window lock	W. F. Martin	770,597	Sept. 20	2774	588	112	659
Door or window securer	G. F. Fay	778,823	Dec. 27	4055	1017	113	2483

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & g.	Vol.	Page.
Door or window trimming.	F. C. Walbridge	749,118	Jan. 5	1142	242	108	264
Door-releaser	W. A. Fagan	761,290	May 31	5423	1153	109	1372
Door. Removable	J. R. Hussey	753,578	Mar. 1	697	156	109	153
Door-retainer	H. F. Good	771,726	Oct. 4	986	220	112	1170
Door. Revolving	J. W. Sutton and J. A. Rennie	702,362	June 14	1445	314	110	1771
Door. Rotating	S. M. Cole	777,003	Dec. 6	1083	235	113	1667
Door-securer	F. E. Wiesner	754,267	Mar. 8	2067	438	109	469
Door-securer	W. Stamp	760,933	May 24	4687	998	110	1096
Door-securer	E. Beseler	765,658	July 26	3533	745	111	814
Door-securer	J. A. Taylor and W. Erskin	771,888	Oct. 4	728	161	112	1114
Door-securer	J. J. H. S. S.	776,245	Nov. 29	5485	1161	113	1307
Door-securer. Portable	A. A. Glock and J. W. Hawes	761,953	June 7	677	137	110	1384
Door. Sidewalk	E. Johnson	775,425	Nov. 22	3818	807	113	930
Door-sill	P. G. Webber	767,615	Aug. 16	3009	629	111	1744
Door. Sliding	F. Dentler	773,127	Oct. 25	3988	845	112	1885
Door-spring	J. C. Moore	753,958	Mar. 5	1559	348	109	360
Door-spring	A. C. Austin	768,718	Aug. 30	5317	1117	111	2203
Door spring and check. Combined.	J. J. Larimer	767,295	Aug. 9	2364	494	111	1382
Door-stay. Adjustable.	W. H. Reed	761,400	May 31	5633	1199	110	1321
Door-stop	O. Lockett, M. J. Kenny, J. P. Stimebach, and T. H. Udell.	752,171	Feb. 16	2591	576	108	1652
Door-stop	J. H. Shaw	755,058	Mar. 22	3644	800	109	848
Door-stop	W. F. Nolan	757,051	Apr. 12	1681	364	109	1716
Door-stop	C. W. Miller	758,998	May 3	822	168	110	190
Door-stop	C. C. Davies	760,528	May 24	3857	818	110	920
Door-stop	R. R. Smith	768,825	Aug. 30	5527	1163	111	2940
Door-stop	E. W. Hyers	770,643	Sept. 20	2883	621	112	1593
Door stop and holder	C. H. Cole	732,375	Feb. 16	2998	668	108	1745
Door stop and spring. Combined.	J. K. Adams	751,825	Feb. 9	1942	440	108	1490
Door stop-lock. Sliding.	R. B. Stearns	752,470	Feb. 16	3184	710	108	1784
Door stop or holder.	J. R. Fletcher	757,408	Dec. 13	1840	408	113	1832
Door structure. Revolving	T. Van Kannel	770,512	Sept. 20	2618	555	112	624
Door support. Adjustable sliding.	T. C. Prouty	748,787	Jan. 5	428	98	108	96
Door support. Automatically-acting	D. Stanley	771,753	Oct. 4	1043	232	112	1182
Door-supporting means. Sliding.	H. C. Smith	767,667	Aug. 16	3098	648	111	1764
Door. Sliding	H. C. Smith	767,668	Aug. 16	3099	648	111	1764
Door. Vertically-moving	W. A. Cross	757,178	Apr. 12	1935	423	109	1772
Door. Vertically-moving	W. A. Cross	757,179	Apr. 12	1936	423	109	1773
Door. Warehouse	J. Erwood	756,609	Apr. 5	793	172	109	1510
Door. Warehouse	W. A. Cross	762,369	June 14	1490	325	110	1782
Door. Warehouse	J. Erwood	766,761	Aug. 2	1272	271	111	1323
Door. Warehouse	J. Erwood	766,762	Aug. 2	1274	271	111	1324
Door, window, &c., aperture-closing device.	G. A. Chaddock	767,796	Aug. 16	3323	703	111	1815
Doors. Automatic screen for the slots of edgewise-moving	A. Newell and D. Schuyler	764,000	July 5	162	28	111	40
Doors. Automatic unlocking device for	J. C. May	764,535	July 5	1304	264	111	286
Doors. Combined screen, window, and ventilator attachment for	J. H. Moskow	751,668	May 9	1630	370	108	1424
Doors, &c. Fastener for	J. B. Hawkins	752,166	Feb. 16	2585	575	108	1651
Doors, gates, &c. Arresting device for	E. A. Guendancy and E. E. Haries	776,178	Nov. 29	5345	1130	112	1954
Doors. Means for operating cellar or trap	W. J. Symons	758,860	Aug. 30	5616	1180	111	2260
Doors, &c. Sliding hanger for	J. C. Zumwalt and F. Stanton	756,769	Apr. 5	1098	243	109	1378
Doorways. Means for excluding drafts from open	T. Van Kannel	774,730	Nov. 8	2326	502	113	596
Double-bell supply	W. J. Kohler	773,010	Oct. 25	3625	783	112	1798
Double boiler	M. J. Hillman	776,025	Nov. 29	5058	1067	113	1309
Double helical spur-wheel	C. Wüst-Kunz	765,590	July 26	4095	875	111	932
Double-speed engine	O. L. Richards	765,099	July 12	2432	506	111	544
Doubletree	F. L. Wolverton	756,923	Apr. 12	1411	314	109	1659
Doubletree	A. J. Gray	759,267	May 10	1114	282	110	343
Doubletree	F. L. Wolverton	771,198	Sept. 27	3968	838	112	940
Doubletree-coupling	J. E. Fillman and W. Davis	755,475	Mar. 22	4405	976	109	1009
Doubling and twisting machine. Yarn	B. S. Allen	775,550	Nov. 22	4102	892	113	982
Doubling apparatus	J. M. B. Reis and J. H. Gill	756,054	Mar. 29	5540	1322	109	1378
Doubling or other textile machines. Hook for drop-wires on	J. R. Mitchell	774,593	Nov. 8	2025	442	113	466
Douche apparatus	W. J. Bauer	771,600	Oct. 4	749	167	112	1119
Douche. Nasal	F. W. Mohr	750,237	Jan. 26	3487	754	108	826
Douche-pan cushion	H. E. Felthousen	756,007	Mar. 29	5463	1205	109	1262
Douche. Vaginal	N. C. E. Schwartz	752,361	Feb. 16	2969	660	108	1738
Dough-brake	C. J. Prankard	767,712	Aug. 16	3174	655	111	1781
Dough-break	W. H. Scott	754,096	Mar. 8	1751	389	109	401
Dough-dividing method and apparatus.	C. F. Dietz	776,776	Dec. 6	619	135	113	1563
Dough. Forming	C. F. Dietz	766,431	Aug. 2	567	120	111	1164
Dough-forming machine.	C. F. Dietz	766,432	Aug. 2	569	121	111	1164
Dough-forming machine.	C. F. Dietz	776,775	Dec. 6	617	134	113	1563
Dough-forming machine.	C. F. Dietz	777,335	Dec. 13	1708	377	113	1821
Dough-mixer	W. H. Butler	771,041	Sept. 27	3656	770	112	792
Dough mixing and kneading apparatus	C. F. Hudson, I. H. Feinberg, and S. L. Siegel	770,859	Sept. 27	3297	695	112	872
Dough-molding apparatus.	C. F. Dietz	776,731	Dec. 6	539	118	113	1546
Dough or like plastic materials. Apparatus for dividing and compressing or molding	J. Callow	749,023	Jan. 5	938	198	108	218
Dough-raiser	W. A. Heckel	776,395	Nov. 29	5752	1217	113	1367
Dough sheeting and lapping machine.	J. H. Mitchell	777,349	Dec. 13	1741	387	113	1828
Dough-treating mechanism	C. Laukhuff	761,842	June 7	461	94	110	1542
Doughnut frier and drainer	J. Korbel	759,618	May 10	2103	432	110	493

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr & E.	Vol.	Page.
Dovetail-cutting machine.	E. Jackson	758,839	May 3	515	104 105	110	123
Dovetailing-machine.	H. S. Spencer	749,458	Jan. 12	1875	389 390	108	440
Dovetailing-machine.	C. W. Duke	761,452	May 31	5733	1219 1220	110	1342
Dovetailing-machine.	G. McMurtrie	770,603	Sept. 20	2784	592	112	682
Dowel	J. Guzowski	752,660	Feb. 23	3590	800	108	1890
Dowel-machine.	M. P. Stutsman	755,255	Mar. 22	3997	887	109	922
Dowel-pin machine.	B. Danhof	773,929	Nov. 1	802	108	113	185
Dowel-pin-making machine.	C. F. Stewart	775,432	Nov. 22	3860	810	113	923
Draft and buffing gear. Friction	T. L. McKee	761,534	May 31	5856	1256	110	1371
Draft and buffing mechanism	F. W. Ritter, Jr.	757,841	Apr. 19	3261	707	109	2072
Draft and buffing rigging.	R. D. Gallagher, Jr.	773,837	Oct. 25	4537	959 960	112	2007
Draft and buffing rigging	R. D. Gallagher, Jr.	770,390	Nov. 29	5743	1215	113	1365
Draft appliance	J. R. Kelly	764,235	July 5	775	153	111	171
Draft attachment.	D. Giberson	776,902	Dec. 6	882	190	113	1621
Draft attachment. Spring	G. W. King	750,112	Jan. 19	3145	676	108	732
Draft connection.	L. Keding	750,544	Jan. 26	3968	858	108	938
Draft device.	C. R. Davis	757,985	Apr. 19	3553	770	109	2137
Draft-equalizer	C. B. Hayden	748,730	Jan. 21	390	74	108	73
Draft-equalizer	C. Schnoor	751,348	Feb. 2	1070	213	108	1285
Draft-equalizer	C. A. Dahlen	751,470	Feb. 9	1269	290	108	1315
Draft-equalizer	F. R. Goode	752,835	Feb. 23	3898	874	108	1957
Draft-equalizer	J. Farmer	753,966	Feb. 23	4187	933	108	2023
Draft-equalizer	J. H. Ernst	733,871	Mar. 1	297	67	109	67
Draft-equalizer	L. A. Reep	756,525	Apr. 5	656	141	109	1480
Draft-equalizer	A. K. Waters	756,921	Apr. 12	1407	313	109	1659
Draft-equalizer	P. V. Schandoney	757,332	Apr. 12	2027	441	109	1792
Draft-equalizer	P. V. Schandoney	757,233	Apr. 12	2029	441	109	1792
Draft-equalizer	W. S. Ernst	757,288	Apr. 12	2137	467	109	1814
Draft-equalizer	E. F. Moran	757,761	Apr. 19	3108	677	109	2039
Draft-equalizer	G. W. Peter	759,466	May 10	1802	363	110	428
Draft-equalizer	S. F. Garst	761,370	May 31	5584	1189	110	1310
Draft-equalizer	J. Duperron	762,694	June 14	2138	466	110	1922
Draft-equalizer	G. L. England	762,692	June 21	2548	352	110	2080
Draft-equalizer	A. A. and W. A. Westerson	764,087	July 5	354	68	111	78
Draft-equalizer	O. N. Lawrence	764,736	July 12	1724	352	111	392
Draft-equalizer	E. J. D. Miller	766,054	July 26	4302	921	111	975
Draft-equalizer	W. S. Livengood	768,532	Aug. 23	4895	1026	111	2184
Draft-equalizer	H. H. Opdahl, Jr.	769,735	Sept. 13	1194	257	112	287
Draft-equalizer	O. O. Field	769,861	Sept. 13	1388	296	112	392
Draft-equalizer	C. C. Holworth	770,806	Sept. 27	3183	674	112	766
Draft-equalizer	W. J. Robinson	775,312	Nov. 23	3570	753	113	863
Draft-equalizer	N. N. Egge	775,748	Nov. 23	4493	932	113	1006
Draft-equalizer	W. T. Seelye	777,151	Dec. 13	1964	301	113	1745
Draft-equalizer. Reaper	L. Krauss	763,293	June 21	3314	717	110	2199
Draft-equalizing mechanism.	P. Hanson	768,045	Aug. 23	3882	815	111	1954
Draft-evenner	F. Rosenow	749,100	Jan. 5	1106	234	108	254
Draft-evenner	J. M. W. Long	755,149	Mar. 22	3801	837	109	883
Draft-evenner	T. Elliott	756,841	Apr. 12	1952	279	109	1627
Draft-evenner	H. and J. H. Thiedemann	774,243	Nov. 8	1565	325	113	369
Draft-eye	G. Walker	778,288	Dec. 27	3622	791	113	2237
Draft-gear	G. W. Thompson	759,572	May 10	2010	411	110	474
Draft-gear. Cushioning	J. F. Raders	770,537	Sept. 20	2665	564 565	112	634
Draft-gear. Friction	G. P. Ritter	751,943	Feb. 9	2169	489 490	108	1540
Draft-gear. Friction	W. B. Waggoner	771,592	Oct. 4	796	164	112	1116
Draft-gear. Friction	C. J. O'Neill	773,155	Oct. 25	4055	860	112	1901
Draft-hook. Looking	G. M. Atall	758,609	May 3	2	110	3	10
Draft-lightener	B. H. Kellogg	750,462	Jan. 26	3790	824	108	893
Draft-producer and spark-arrester	A. C. Toliver	768,782	Aug. 30	5427	1143	111	2319
Draft-producing apparatus	W. Fredericks	765,967	July 26	4126	883	111	941
Draft-producing device.	J. F. Miles	760,230	May 17	3295	692	110	776
Draft-regulator. Automatic	G. O. Lindgren	760,669	Jan. 26	4176	906	108	973
Draft-rigging	H. C. Williamson and H. Pries.	749,347	Jan. 12	1651	747	108	392
Draft-rigging	F. L. Englehardt	751,155	Feb. 2	681	156	108	1204
Draft-rigging	R. D. Gallagher, Jr.	752,337	Feb. 16	2928	653	108	1729
Draft-rigging	H. C. Williamson and H. Pries.	754,527	Mar. 15	2651	575	109	615
Draft-rigging	H. C. Williamson and H. Pries.	754,528	Mar. 15	2653	575	109	616
Draft-rigging	W. Thornburgh	754,958	Mar. 15	3477	761	109	795
Draft-rigging	J. A. Hinson	755,296	Mar. 22	4067	901	109	938
Draft-rigging	E. C. Washburn	756,919	Apr. 12	1403	312 313	109	1657
Draft-rigging	H. T. Krakau and H. F. Pope	758,975	May 3	781	157	110	181
Draft-rigging	A. C. Mather	767,523	Aug. 16	2819	589	111	1701
Draft-rigging	J. Willison	767,724	Aug. 16	3191	699	111	1785
Draft-rigging	H. T. Krakau. (Reissue)	12,275	Oct. 18	3417	741	112	1736
Draft-rigging	L. A. Hoerr	774,388	Nov. 8	1634	351	113	884
Draft-rigging	O. S. Pulliam	776,202	Nov. 29	5382	1140	113	1283
Draft-rigging. Double-spring friction	777,539	Dec. 13	2100	462	113	1905	
Draft-rigging. Friction	F. B. Townsend	761,735	June 7	370	75	110	1322
Draft-rigging mechanism	F. B. Townsend	765,505	June 14	1742	374	110	1836
Draft-rigging mechanism	G. H. Forsyth	765,964	July 26	4123	881	111	938
Draft-rigging mechanism	G. H. Forsyth	766,610	Aug. 2	969	203 204	111	1257
Draft-rigging. Tandem-spring	W. H. Miner	754,669	Mar. 15	2917	637	109	869
Draft-rigging. Tandem-spring friction	W. H. Miner	754,671	Mar. 15	3261	638	109	870
Draft-tree	H. T. Reeder	778,072	Dec. 20	3196	703	113	2147
Drafting appliance. Combination	E. J. Early	777,407	Dec. 13	1847	408	113	1852

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Drafting appliance. Garment-	J. Roberts	748,792	Jan. 5	485	99	108	97
Drafting garment-patterns	E. J. Curran	758,826	May 3	489	97	110	118
Drafting implement	H. A. Swenson	754,513	Mar. 15	2628	570	109	610
Drafting implement	H. A. Swenson	759,935	May 17	2710	569	110	643
Drafting instrument	R. P. Stout	759,566	May 10	1902	407	110	471
Drafting instrument	M. A. Wurts	776,713	Dec. 6	491	108	113	1536
Drafting instrument. Isometric	P. Barnes	777,770	Dec. 20	2557	559	113	2019
Drain inlet for surface water. Tile	H. N. Neireiter	770,019	Sept. 13	1680	356	112	397
Drain-pipe	M. H. Rylatt	777,435	Dec. 13	1900	418	113	1863
Drain-trap	J. C. Stewart and J. Cleland	766,003	July 26	4208	989	111	956
Drain-trap	A. W. Edwards	772,091	Oct. 11	1774	394	112	1835
Drain-venting system. House-	J. A. Garman	774,914	Nov. 15	2708	581	113	639
Draper	J. C. White	756,548	Apr. 5	694	149	109	1489
Drapery-hook	L. Nachmann	763,780	June 28	4272	930	110	2427
Draw-bar-centering device	H. Tesseymann	778,514	Dec. 27	4078	889	113	2355
Draw-bar guiding and resistance mechanism	G. H. Forsyth	772,653	Oct. 18	2894	637	112	1622
Draw-bar pocket.	R. Harding	763,098	June 21	2940	634	110	2116
Draw-bench with tongs-returning device	J. J. Boax	762,124	June 7	473	201	110	1648
Draw-clamp for draw-benches	A. A. Berghof and F. W. Theberath	763,710	June 28	4143	903	110	2399
Draw-clamp for draw-benches	A. A. Berghof and F. W. Theberath	763,711	June 28	4146	904	110	2400
Draw-gear and buffing apparatus	J. H. McCormick	751,673	Feb. 9	1638	372	108	1425
Draw-gear and buffing apparatus	P. Hien	768,438	Aug. 23	4742	995	111	2152
Draw-gear and buffing apparatus.	H. F. Woernley	775,959	Nov. 29	4920	1039	113	1176
Draw-head support	H. E. Welsh	749,245	Jan. 12	1411	302	108	343
Draw-knife	C. B. Simmons	756,063	Mar. 29	5525	1326	111	2389
Draw-roll-clearing device	P. Hardman	761,673	June 7	102	17	110	1461
Drawer-bin support.	F. I. Greenen	776,736	Dec. 6	551	121	113	1548
Drawer, box, or receptacle. Hardware, &c	H. O. Amundson	768,261	Aug. 23	4346	914	111	2059
Drawer-guide	W. Laakso	763,492	June 28	3736	803	110	2310
Drawer-guide	F. C. Billings	768,927	Aug. 30	5735	1235	111	2389
Drawer-pull	D. W. Tower	749,410	Jan. 12	1751	372	108	419
Drawer-pull	H. F. Keil	765,736	July 26	3691	787	111	844
Drawer-pull	I. J. Turner	766,124	July 26	4445	952	111	1006
Drawers	J. Gugenheim, G. A. Capiton, L. D. Herrick, and H. Jacobs.	750,187	Jan. 19	3277	707	108	706
Drawers and petticoat. Combined	M. M. Butler	773,117	Oct. 25	3909	842	112	1881
Drawers, boxes, &c. Partition for	P. H. McGrath	764,956	July 12	2172	450	111	492
Drawers seat-protector. Child's-	D. B. Chamberlain	765,555	July 19	3319	695	111	733
Drawers-supporter	H. W. Post	751,338	Feb. 2	1052	239	108	1281
Drawers-supporter	S. C. Custer	771,353	Oct. 4	269	66	112	1018
Drawers-supporter	I. Baum	777,879	Dec. 20	2811	617	113	2070
Drawers. Woman's	H. M. Chittenden	765,556	July 19	3321	695	111	753
Drawing and designing apparatus	H. E. Ablett	757,246	Apr. 12	2653	448	109	1797
Drawing and measuring device. Angle	E. C. Trisler	774,858	Nov. 15	2602	557	113	615
Drawing and twisting or spinning worsted or other yarns. Mechanism for	S. Sykes	775,690	Nov. 22	4389	926	113	1044
Drawing appliance	H. C. Robinson	771,067	Oct. 4	880	198	112	1147
Drawing-board	T. L. Austin	753,463	Mar. 1	455	106	109	99
Drawing-board	J. Shellhammer, I. P. Henthorn, and W. A. Hill	767,717	Aug. 16	3182	667	111	1783
Drawing-board	A. Krah	769,441	Sept. 6	593	130	112	135
Drawing-frame for textile fibers	A. Bietenholz	755,347	Mar. 22	4178	923	109	961
Drawing instrument	F. H. Wheelan	750,923	Feb. 2	372	64	108	1118
Drawing instrument	W. S. Bowness and C. L. Jones	761,197	May 31	5232	119	110	1230
Drawing instrument	W. S. Bowness and C. L. Jones	764,093	July 5	240	44	111	56
Drawing instrument. Curve	E. S. Johnson	768,997	Aug. 30	5878	1233	111	2421
Drawing-press	E. J. Loring	772,622	Oct. 18	2843	624	112	1610
Drawing-roll stop-mon.	J. J. Rigby	760,921	May 24	4662	998	110	1091
Drawing-rolls for fibrous materials. Covering for	A. Holmes	761,965	June 7	690	140	110	1500
Drawing-rollers	C. Shipp	761,854	June 7	491	110	110	1549
Drawing-rollers. Apparatus for applying and adjusting the pressure of top	B. Birtwell	764,702	July 12	1656	338	111	378
Drawing-tool. Combination	J. Barbour	767,788	Aug. 16	3310	698	111	1812
Dray-seat and truck. Combined	P. Neukirchen	752,009	Feb. 23	3641	811	108	1902
Dredge	J. D. Stewart	753,442	Mar. 1	420	98	109	91
Dredge	R. R. Osgood	751,987	Feb. 9	2157	487	108	1537
Dredge	O. K. Hogan	752,903	Feb. 23	4090	902	108	1788
Dredge	A. Boschke	757,173	Apr. 12	1921	420	109	1979
Dredge	J. B. Cantwell	776,217	Nov. 29	5415	1148	113	1289
Dredge	W. A. Collins	778,634	Dec. 27	4312	942	113	2406
Dredge attachment	H. A. Funke	759,690	May 10	2232	461	110	521
Dredge. Chain sand-	R. Smith	773,686	Nov. 23	4383	925	113	1043
Dredge. Clam-	J. H. Hall	770,367	Sept. 30	2350	495	112	566
Dredge. Ditching-	G. W. King	776,848	Dec. 6	781	170	113	1598
Dredge. Floating pulsometer-	E. A. Newman	752,247	Feb. 16	2739	607	108	1688
Dredges, &c. Apparatus for loading suction-	A. Van den Haspel	764,784	July 12	1818	373	111	414
Dredges. Lower tumbler and ladder end for elevator-	S. L. G. Knox and W. Ferris	770,011	Sept. 13	1666	354	112	394
Dredges. Pipe-line for hydraulic	L. W. Bates	772,530	Oct. 18	2264	496	112	1486
Dredges. Rotary cutter for hydraulic	E. T. Williams	768,106	Aug. 23	4052	853	111	1994
Dredger	R. A. Perry	773,337	Oct. 25	4493	941	112	1985
Dredger-head for suction-dredges. Adjustable	O. Frühling	776,061	Nov. 23	5102	1079	113	1218
Dredger or shaker. Powder	C. E. Grapevine	757,912	Apr. 19	3397	736	109	2103
Dredging and sluicing device. Submarine	R. G. Riley	754,611	Mar. 15	2800	611	109	645

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Dredging apparatus.....	O. Frühling.....	776,049	Nov. 29	5096	1076	113	1218
Dredging device.....	J. L. Searfoss.....	774,280	Nov. 8	1443	310	113	341
Dredging device.....	O. Frühling.....	776,050	Nov. 29	5099	1077 1078 1079	113	1218
Dredging-machine.....	W. H. Smyth and A. B. Bowers.....	748,804	Jan. 5	465	105	108	104
Dredging-machine anchor.....	J. Sherwood.....	762,950	June 21	2667	578	110	2056
Dredging means.....	N. H. and R. H. F. Sewall.....	775,255	Nov. 15	3448	728	113	818
Dress-hanger.....	S. Hermann.....	766,250	Aug. 2	225	44	111	1090
Dress or corset spring.....	E. M. Dhale.....	756,596	Apr. 5	771	168	109	1506
Dress-protector.....	R. Fox.....	770,458	Sept. 20	2504	331	112	390
Dress-shield.....	C. A. Pienkowsky.....	754,234	Mar. 8	2009	446	109	458
Dress-shield.....	J. H. Lee and N. B. Conkling.....	754,877	Mar. 15	3320	724	109	760
Dress-shield.....	I. L. Wild.....	750,577	May 10	2021	413	110	747
Dress-shield.....	O. W. Hull.....	770,732	Sept. 27	3069	652	112	472
Dress-shield fastener.....	A. G. Swan.....	763,334	June 21	3383	735	110	2214
Dress-shield fastener.....	C. C. and L. C. Linindoll.....	763,960	July 5	129	21	111	35
Dress-shield-making machine.....	A. C. Squires.....	771,677	Oct. 4	902	203 204	112	1152
Dress-stand figure.....	J. Walker.....	774,370	Nov. 8	1604	344	113	378
Dress-suit case.....	J. D. Wood.....	756,925	Apr. 12	1413	315	109	1660
Dress-suit case.....	J. M. Katz.....	770,371	Sept. 20	2357	497	112	567
Dress-suit-case frame.....	J. Vranek.....	770,340	Sept. 20	2310	486	112	557
Dress-suit case, hand-bag, &c.....	S. M. Gordon.....	766,242	Aug. 2	200	39, 40	111	1085
Dresser or chiffonier.....	A. N. Canberg.....	759,667	May 10	2199	452 453	110	514
Drier: See Brick-drier, Hose-drier, Briquet-drier, Hot-air drier, Clothes-drier, Paper-drier, Coffee-drier, Sand-drier, Fruit-drier, Skirt-drier, Grain-drier, Steam-drier, Granular-material Tobacco-drier, drier, Veneer-drier, Hair-drier, Vibratory drier.							
Drier.....	C. E. Geiger.....	750,051	Jan. 19	3032	649 650	108	708
Drier.....	W. R. Macklind.....	758,327	Apr. 26	4242	911	109	2307
Drier.....	L. Gathmann.....	761,041	May 24	4927	1044	110	1147
Drier.....	L. Gathmann.....	761,042	May 24	4929	1045	110	1147
Drier.....	J. D. Bourdeau.....	764,552	July 12	1346	273 274	111	312
Drier.....	A. Leyer.....	767,158	Aug. 9	2120	441	111	1329
Drier.....	J. E. Turney.....	774,839	Nov. 15	2604	553	113	616
Drier.....	J. E. Turney.....	774,860	Nov. 15	2606	558	113	616
Drier.....	T. Andrews and S. J. Loewenthal.....	775,717	Nov. 22	4439	938 939	113	1055
Drier.....	W. Angus.....	776,581	Dec. 6	230	51	113	1480
Drier.....	J. Scott.....	777,225	Dec. 13	1496	331	113	1774
Drier.....	J. J. Murphy.....	778,063	Dec. 20	3132	700	113	2144
Drier feeder and discharge. Combined.....	F. A. Hetherington.....	771,856	Sept. 27	3292	694	112	791
Drier-rack.....	A. J. Zilker, A. L. Tidmarsh, and C. J. Armstrong.....	754,330	Mar. 15	2656	576	109	616
Drier track construction.....	W. P. Hussey.....	768,428	Aug. 23	4750	996	111	2153
Dry closet.....	F. S. Lang.....	765,582	July 19	3358	705	111	761
Dry-house.....	O. Heynsohn.....	735,134	Mar. 22	3769	829	109	876
Dry-kiln.....	E. F. Rouse.....	750,306	Jan. 26	3501	758	108	828
Dry-kiln.....	L. Moore.....	769,102	Aug. 30	6079	1271	111	2464
Dry-kiln.....	L. Moore.....	769,103	Aug. 30	6082	1272	111	2465
Dry-kiln track-rail-supporting post.....	J. I. Ott.....	763,750	July 26	3719	734	111	850
Dry separator.....	F. O. Bloom.....	771,805	Oct. 11	1156	258 259	112	1220
Dry separator.....	T. A. Edison.....	775,965	Nov. 29	4937	1043	113	1180
Drying and calcining kiln.....	C. E. Pickett.....	753,624	Mar. 1	770	172	109	167
Drying and heating system. Steam.....	R. Goodwin, Jr.....	765,476	July 19	3172	663	111	722
Drying apparatus.....	J. A. Ridings.....	764,150	July 5	472	92, 93	111	102
Drying apparatus.....	M. Ha Ridings.....	763,666	July 26	3547	749	111	817
Drying apparatus.....	L. Gathmann.....	766,340	Aug. 2	403	85	111	1229
Drying apparatus.....	H. Baetz.....	767,198	Aug. 9	2195	458	111	1545
Drying apparatus.....	F. E. Allen.....	767,727	Aug. 16	3196	672 673	111	1786
Drying apparatus.....	M. Bertrand.....	769,643	Sept. 6	958	308	112	219
Drying apparatus.....	F. Meyer.....	771,994	Oct. 11	1558	349	112	1306
Drying apparatus.....	H. Hencke.....	773,390	Oct. 25	4549	961 962	112	2010
Drying apparatus.....	G. D. Harris.....	774,321	Nov. 8	1523	326	113	359
Drying apparatus for wool, &c.....	J. Keith and W. W. Warile.....	753,200	Feb. 23	4613	11027	108	2120
Drying apparatus. Tubular.....	M. Salzmann.....	770,823	Sept. 27	3236	682	112	779
Drying-cylinder for textile machinery.....	C. C. Butterworth.....	755,354	Mar. 22	4189	926	109	964
Drying-house.....	A. A. Scott.....	759,135	May 3	1076	218	110	244
Drying-house for fish, &c.....	H. N. Haug.....	766,186	Aug. 2	63	11	111	1055
Drying-kiln.....	F. Meyer.....	761,088	May 31	5029	1066 1067	110	1188
Drying-kiln.....	J. F. Hanrahan.....	764,583	July 12	1406	287	111	324
Drying-kiln.....	H. J. Morton.....	768,813	Aug. 30	5496	1288	111	2332
Drying-line holder.....	O. A. Pfeiffer.....	754,089	Mar. 8	1733	386	109	397

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Drying-machine.....	F. Wertenbruch.....	749,828	Jan. 19	2607	557	108	618
Drying-machine.....	S. A. Cohen.....	764,561	July 12	1371	279	111	316
Drying-machine.....	J. K. Proctor and W. M. Schwartz.	775,763	Nov. 22	4517	958	118	1072
Drying materials.....	L. Gathmann.....	763,387	June 28	3531	761	110	2269
Drying moist material. Apparatus for.....	E. N. Trump.....	748,938	Jan. 5	642	144	108	143
Drying substances.....	L. Gathmann.....	763,388	June 28	3535	761	110	2270
See Coal-drill. Mining-drill.							
Composite drill. Portable drill.							
Core-drill. Ratchet-drill.							
Disk drill. Rock-drill.							
Grain-drill. Seed-drill.							
Mine-drill. Well-drill.							
Miner's drill.							
Drill.....	W. N. Shotwell and J. Dreistadt.....	749,585	Jan. 12	2123	443	108	496
Drill.....	J. M. Martin.....	753,303	Mar. 1	525	122	109	111
Drill.....	W. N. Newton.....	735,528	Mar. 22	4492	968	109	1088
Drill.....	A. Mill.....	756,678	Apr. 5	926	203	109	1541
Drill.....	C. W. Crossman.....	760,525	May 24	8852	817	110	920
Drill.....	J. W. Pickel.....	766,196	Aug. 2	83	15, 16	111	1060
Drill.....	F. and R. P. Russell.....	767,249	Aug. 9	2284	478	111	1565
Drill.....	A. E. Uteler.....	771,849	Oct. 11	1299	275	112	1238
Drill.....	W. H. Soley.....	772,003	Oct. 11	1578	353	112	1310
Drill.....	H. C. Sergeant.....	777,311	Dec. 13	1655	368	113	1810
Drill.....	G. R. Rich.....	777,543	Dec. 13	2112	464	113	1908
Drill and reamer. Combination.....	L. C. Preston.....	778,865	Dec. 6	813	176	113	1605
Drill and underreamer.....	E. McCray and F. A. Wiser.....	773,962	Nov. 1	850	180	113	197
Drill attachment. Disk.....	O. A. Poirier.....	756,699	Apr. 5	962	212	109	1549
Drill ball-bearing. Disk.....	O. S. Bakke.....	774,146	Nov. 8	1199	256	113	288
Drill bearing. Disk.....	O. A. Poirier.....	756,698	Apr. 5	960	211	109	1548
Drill bearing. Disk.....	O. A. Poirier.....	756,700	Apr. 5	963	212	109	1549
Drill-bit.....	W. L. Muender and J. E. De Witt.....	767,736	Aug. 16	3167	663	111	1770
Drill-bit. Rock-cutting.....	L. Durkee.....	749,369	Jan. 12	1682	358	108	403
Drill-bits, &c. Fastening device for.....	C. P. Brintzinger.....	754,741	Mar. 15	3061	668	109	704
Drill cleaner. Disk.....	O. A. Poirier.....	756,697	Apr. 5	959	211	109	1548
Drill-coupling.....	C. H. Giese.....	776,391	Nov. 29	5746	1216	113	1365
Drill-holder.....	A. C. Kimball and C. Benson.....	761,501	May 31	5895	1241	110	1361
Drill-joint.....	F. Ash.....	731,241	Feb. 2	876	200	108	1233
Drill or pump rod extractor.....	E. F. Day.....	776,221	Nov. 29	5458	1151	113	1296
Drill or pump rod grapple.....	J. Luke.....	754,579	Mar. 15	2751	599	109	634
Drill-press.....	J. C. Mullinnix.....	762,647	June 14	2040	442	110	1900
Drill-press.....	H. N. Hinckley.....	772,568	Oct. 18	2738	602	112	1388
Drill-press.....	O. P. Weigel.....	775,710	Dec. 6	487	107	113	1535
Drill-press. Multiple-spindle.....	C. D. Rice.....	773,591	Nov. 1	111	22, 23	113	31
Drill pressure-regulating mechanism.....	W. A. Van Brunt.....	753,432	Mar. 1	433	102	109	94
Drill-repairing machine.....	J. J. Brossoit.....	755,351	Mar. 22	4184	924	110	963
Drill-rod clamp.....	T. E. Morris.....	749,318	Jan. 12	1575	333	108	378
Drill seed-agitating device.....	P. W. Schwab.....	761,831	June 7	485	98	110	1548
Drill-sleeve.....	R. A. Lachmann.....	768,186	Aug. 23	4199	883	111	2026
Drill support. Hand.....	F. P. Shek.....	766,797	Aug. 9	1746	365	111	1449
Drill-tube.....	W. A. Van Brunt.....	774,793	Nov. 15	2468	532	113	586
Drills. Rolls for twisting.....	S. Deuk.....	761,880	June 7	543	108	110	1561
Drilled holes. Tool for cleaning.....	F. W. Brady.....	751,253	Feb. 2	904	206	108	1249
Drilling and automatic centering device.....	J. J. McElwain and E. A. Young.....	757,950	Apr. 19	3445	750	109	2119
Drilling and boring machines. Bed-fastening for horizontal spindle.....	G. H. Smith.....	752,714	Feb. 23	3671	817	108	1909
Drilling and tapping machine.....	C. C. Newton.....	766,723	Aug. 2	1202	253	111	1308
Drilling apparatus. Portable electrically-driven.....	G. F. Campbell and S. T. Isherwood.....	749,441	Jan. 19	2632	563	108	622
Drilling-machine.....	T. C. Hansen.....	749,821	Jan. 19	2590	553	108	614
Drilling-machine.....	H. Balluet.....	750,423	Jan. 26	3717	806	108	578
Drilling-machine.....	C. Erickson.....	751,063	Feb. 2	515	120	108	1172
Drilling-machine.....	W. F. Koeppel.....	754,321	Mar. 8	2160	478	109	488
Drilling-machine.....	G. Smith.....	757,239	Apr. 19	2039	445	109	1794
Drilling-machine.....	W. Verrill.....	759,205	May 3	1242	250	110	284
Drilling-machine.....	W. Holstine.....	762,169	June 7	1053	222	110	1667
Drilling-machine.....	T. G. Davis.....	763,373	June 28	3498	755	110	2202
Drilling-machine.....	E. Christman.....	765,881	July 26	3976	847	111	905
Drilling-machine.....	F. W., A. G., and E. A. Hoefler.....	766,888	Aug. 9	1568	330	111	1408
Drilling-machine.....	H. B. Keiper.....	767,282	Aug. 9	2342	490	111	1577
Drilling-machine.....	F. F. Hepler.....	771,205	Sept. 27	3981	842	112	942
Drilling-machine attachment.....	J. P. Barnes.....	761,573	May 31	5932	1272	110	1388
Drilling-machine. Automatic multiple.....	F. J. Nutting.....	753,905	Mar. 8	1380	312	109	318
Drilling-machine. Multiple.....	A. C. Vauclair.....	766,747	Aug. 2	1242	263	111	1317
Drilling-machine shot-feed apparatus.....	W. S. Easton.....	753,379	Mar. 1	291	66	109	66
Drilling-machine spudding attachment.....	W. L. Barton.....	771,036	Sept. 27	3648	769	112	870
Drilling-machine temple.....	A. C. Vauclair.....	766,748	Aug. 2	1245	265	111	1317
Drilling machinery.....	C. E. Wiley.....	774,629	Nov. 8	3086	454	113	478
Drilling tool.....	B. M. W. Hanson.....	750,637	Jan. 26	3958	856	108	926
Drilling-tool.....	E. A. Turner.....	771,845	Oct. 11	1237	275	112	1238
Drilling-tool joint.....	H. J. Connolly and W. D. Montgomery.....	756,476	Apr. 5	574	120	109	1463
Drinking-cup. Aseptic.....	J. J. Shea.....	759,029	May 3	878	179	110	202
Drinking-fountain.....	D. J. Biengstock.....	755,438	Mar. 22	4343	962	109	996
Drinking vessel or the like.....	T. Priestnall.....	777,305	Dec. 13	1644	365	113	1807
Drive-head.....	C. R. Thomas.....	765,864	July 26	3943	842	111	857

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Driveway-gate	S. M. Ash	764,974	July 12	2206	456	111	498
Driving and speed-regulating device. Friction	C. L. Weichelt	765,732	July 26	3669	782	111	889
Driving-bit	R. W. Van Ornum	762,913	June 7	1136	343	110	1687
Driving-bit	L. J. Elliott and J. Reichert	774,055	Nov. 1	1039	222	113	234
Driving connection	E. A. Johnston	774,182	Nov. 8	1271	369	113	304
Driving mechanism	C. C. and E. A. Riette	749,704	Jan. 12	2344	495	108	543
Driving mechanism	J. F. Kay	752,905	Feb. 23	4033	903	108	1989
Driving mechanism	H. M. Pope	758,147	Apr. 26	3867	840	109	2226
Driving mechanism	F. D. Howe	760,628	May 24	4061	863	110	964
Driving mechanism	C. A. Eck	761,213	May 31	5259	1117	110	1238
Driving mechanism	L. Abraham	764,787	July 12	1823	374	111	415
Driving mechanism	F. Miller	764,954	July 12	2166	449	111	491
Driving mechanism	C. Waters	770,879	Sept. 27	3340	705	112	803
Driving mechanism	F. P. Pfelehar	770,981	Sept. 27	3535	745	112	848
Driving mechanism. Friction	A. C. Eastwood	759,167	May 8	1145	233	110	200
Driving mechanism. Frictional	E. A. Sperry	767,604	Aug. 16	2986	624	111	1740
Driving-wheel. Automatically-governed	V. G. Apple	756,432	Apr. 5	110	110	110	110
Drop attachment. Balanced cord	H. D'Olier, Jr.	766,497	Aug. 2	737	152	111	1199
Drop attachment. Balanced cord	H. D'Olier, Jr.	766,800	Aug. 2	1384	288	111	1350
Drop extension	V. A. Menuet	761,844	June 7	469	95	110	1544
Drop-fixture. Automatic	H. M. Sturgis	755,328	Mar. 22	4137	914	109	952
Drop-fixture. Automatic	H. M. Sturgis	755,329	Mar. 22	4140	915	109	952
Drop-light	E. E. Grove	760,533	May 24	3865	820	111	922
Drop-light	E. E. Grove	760,534	May 24	3868	821	110	923
Drop-light	V. A. Menuet	775,304	Nov. 22	3554	749	113	859
Dropper							
See Assay-button drop- per.	Fertilizer-dropper.						
Automatic dropper.	Potato-dropper.						
Dropping-stopper	K. Rettig	755,549	Mar. 22	4532	1008	109	1037
Druggist's mass-divider	J. W. Jackson	759,891	May 17	2631	551	110	625
Drum	C. A. Stromberg	754,101	Mar. 8	1761	392	109	403
Drum	J. Bahr	769,527	Sept. 6	766	165	112	174
Drum	J. Bahr	769,528	Sept. 6	767	165	112	174
Drum	E. T. Turney	770,711	Nov. 22	4432	926	113	1053
Drum and cymbal attachment. Bass	J. P. Stanton	774,539	Nov. 8	1918	416	113	444
Drum and cymbal beater. Combined	H. K. Harrison and A. L. Brown	751,505	Feb. 9	1330	303	108	1360
Drum. Heat-radiating	E. J. and F. A. Langell	756,970	Apr. 12	1510	333	109	1679
Drum. Heating	R. J. Segerstrom	762,393	June 7	1117	230	110	1682
Drum. Heating	C. C. Doentz	765,416	July 19	3032	635	111	692
Drum. Heating	M. E. Loehr	766,190	Aug. 2	69	12	111	1056
Drum-holder	W. H. Sipe	755,403	Mar. 22	4280	946	109	985
Drum. Musical	O. and E. Meinel	770,300	Sept. 20	2935	466	112	539
Drum or winch apparatus. Power-operated	A. E. Norris	774,449	Nov. 8	1742	375	113	406
Drum. Snare	H. A. Bower	755,610	Mar. 29	4654	1034	109	1078
Drum-snare brace	E. Bonlanger	756,530	Apr. 12	1427	317	109	1662
Drum-snare-strainer	K. T. Turney	775,712	Nov. 22	4433	927	113	1053
Drum-snare-tightening device.	C. A. Stromberg	756,730	Apr. 5	1033	229	109	1664
Drums, tambourines, rackets, or the like in position.	H. Oschatz	772,743	Oct. 18	3100	676	112	1655
Means for securing heads of							
Dry battery	A. F. Swan and A. W. Rose	757,422	Apr. 12	2419	527	109	1873
Dumb-waiter shaft	G. Geraerdt	778,745	Dec. 27	4497	985	113	2447
Dumping apparatus	C. G. Foote	749,139	Jan. 5	1190	254	108	276
Dumping apparatus	R. H. Stevens	775,153	Nov. 15	3196	683	113	753
Dumping-box	W. J. Ellis	771,361	Oct. 4	286	63	112	1022
Dumping-elevator	F. B. Van Cleave	751,225	Feb. 2	836	191	108	1232
Dumping mechanism	T. Lawson	769,752	Sept. 13	1169	253	112	282
Dumping-rake	E. Walrath	760,666	May 24	4145	881	110	981
Dumping-receptacle	W. McMahon	770,097	Sept. 13	1803	380	112	424
Duplex heater	E. Harnum	761,809	June 7	524	104	110	1557
Duplicate engine	J. W. Neil	748,975	Jan. 5	834	170	108	194
Duplicating apparatus.	A. D. Klaber and W. D. Sternberg	778,415	Dec. 27	3887	847	113	2314
Duplicating apparatus. Stencil	A. B. Dick	775,078	Nov. 15	3038	645	113	719
Duplicating-machine	A. Klaber	750,803	Feb. 2	153	35	108	1691
Duplicating-machine	C. H. Colter	769,725	June 28	4173	845	110	2406
Duplicating or counter-check appliance	E. Parker	755,163	Mar. 22	3824	846	109	888
Duplicator	C. H. Epple	759,251	May 10	1387	277	110	337
Dust-arrester	W. J. Newton, R. Diggle, and G. Watson	768,199	June 21	3144	676	110	2316
Dust-arrester	G. A. Sager	778,075	Dec. 20	3206	705	113	2149
Dust-box	W. H. Gentry	769,436	Sept. 6	581	127	112	132
Dust-collector	A. C. Brantingham	750,342	Jan. 26	3577	775	108	474
Dust-collector	J. H. Walsh	755,262	Mar. 22	4012	889	109	925
Dust-collector	D. F. Hogan	755,874	Mar. 29	5203	1151	109	1204
Dust-collector	R. L. Hollingsworth	770,582	Sept. 20	2746	582	112	653
Dust-collector	G. W. Glassford	775,367	Oct. 18	2631	578	112	1565
Dust-collector and separator	E. Venderbush and W. J. Looman	769,808	Sept. 13	1367	272	112	303
Dust-extractor	A. B. Lipp	770,762	Sept. 27	3694	656	112	747
Dust from dust-laden air. Separating	W. E. Allington	755,430	Mar. 22	4327	956	109	993
Dust-guard	H. C. Lafferty	751,306	Feb. 2	1002	227	108	1270
Dust-guard	F. B. Harrison	752,164	Feb. 16	2538	574	108	1650
Dust-guard	E. Jacquemin	757,466	Apr. 19	2513	531	109	1968
Dust-guard	E. Deneure	774,651	Nov. 8	2125	464	113	487

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Dust-guard.	E. Denegre	774,659	Nov. 8	2127	464	113	488
Dust-guard.	E. Denegre	774,653	Nov. 8	2128	465	113	488
Dust-laying composition.	R. A. Chesebrough	755,357	Mar. 22	4193	.....	109	965
Dust or refuse bin. Portable.	E. Lebach	755,145	Mar. 22	3797	836	109	882
Dust-pan.	W. H. Hills	753,137	Feb. 23	4496	1001	108	5092
Dust-pan.	C. Michaud	760,407	May 24	3759	793	110	892
Dust-pan.	S. A. Albertson	759,368	Aug. 30	5618	1189	111	2360
Dust-pan.	J. R. Forden	772,093	Oct. 11	1776	395	112	1355
Dust-pan.	J. W. Sadecker	774,994	Nov. 15	2868	612	113	679
Dust-pan and broom-holder. Combined.	T. P. Fuller	760,391	May 17	3583	756	110	899
Dust separator and collector	C. McVeety	775,604	Nov. 22	4359	916	113	1084
Dust-spraying machine.	J. R. Haldeman	768,571	Feb. 2	352	84	108	1136
Dust-trap and ventilator	F. E. Davis	764,922	July 12	2107	436	111	477
Dusting-frame. Portable.	J. R. Mauran	753,993	Mar. 8	1551	346	109	359
Dye and making same. Anthracene	O. Bally	753,657	Mar. 1	842	.....	109	184
Dye and making same. Anthracene	H. Weltz	754,264	Mar. 5	2061	.....	109	469
Dye and making same. Anthracene	H. Weltz	763,233	June 21	3210	.....	110	2177
Dye and making same. Anthraquinone	O. Bally	749,913	Jan. 19	2763	.....	108	651
Dye and making same. Anthraquinone	E. Hepp and E. Uhlenhuth	778,036	Dec. 20	3128	.....	113	2133
Dye and making same. Azo	P. Julius and E. Fussenecker	754,315	Mar. 8	2153	.....	109	487
Dye and making same. Azo	P. Julius and S. Haeckel	765,581	July 19	3356	.....	111	761
Dye and making same. Azo	P. Julius, H. Reindel, and F. C. Günther.	770,177	Sept. 13	1950	.....	112	455
Dye and making same. Beta-naphthol azo	K. Elbel	778,476	Dec. 27	4014	.....	113	2341
Dye and making same. Black	R. Bohn	756,371	Apr. 5	732	.....	109	1497
Dye and making same. Black disazo	K. Schirmacher	778,610	Dec. 27	4202	.....	113	2354
Dye and making same. Blue	R. Lauch	764,733	May 10	2091	.....	110	392
Dye and making same. Blue	J. Abel and A. Lüttringhaus	771,323	Dec. 13	1682	.....	113	1816
Dye and making same. Blue azo	K. Jagerspacher and T. Kröber	759,284	May 10	1450	.....	110	352
Dye and making same. Blue sulfur	J. Abel and A. Lüttringhaus	755,428	Mar. 22	4324	.....	109	993
Dye and making same. Blue sulfur	E. Mathe	763,133	June 21	3135	.....	109	2161
Dye and making same. Blue sulfur	A. Schmidt and F. Bethmann	774,478	Nov. 22	4018	.....	113	1312
Dye and making same. Blue sulfur	K. Elbel	778,478	Dec. 27	4016	.....	113	2341
Dye and making same. Dark-blue wool-	M. Hoffmann	749,195	Jan. 12	1317	.....	108	324
Dye and making same. Direct cotton sulfur	R. Lauch	764,734	July 12	1721	.....	111	392
Dye and making same. Glucoside	F. J. Oakes	759,008	May 3	843	.....	113	1615
Dye and making same. Green sulfur	M. Büniger	775,885	Dec. 6	856	.....	113	1312
Dye and making same. Orange	O. Sobel	766,540	Aug. 2	812	.....	111	1218
Dye and making same. Orange tetrazo	K. Jedlicka and A. Schedler	768,761	June 28	4235	.....	110	2420
Dye and making same. Red basic rhodamin	A. Bisclier	759,657	May 10	2181	.....	110	510
Dye and making same. Violet sulfur	A. Schmidt	778,713	Dec. 27	4440	.....	113	2356
Dye and making same. Violet tetrazo	K. Jedlicka	759,713	May 10	2091	.....	110	490
Dye and making same. Yellow sulfur	A. Schmidt and O. Rhodius	773,346	Oct. 25	4461	.....	112	1989
Dye. Anthracene	R. Bohn	767,259	Aug. 9	2301	.....	111	1569
Dye. Blue anthracene	M. Kugel	775,368	Nov. 22	3699	.....	113	892
Dye. Blue anthraquinone	W. Berchemann	764,837	July 12	1935	.....	111	439
Dye. Brown mordant	A. L. Laska	767,070	Aug. 9	1924	.....	113	1865
Dye. Compound	L. H. Dehoff and G. Wessbecher	778,175	Dec. 20	3356	.....	113	2188
Dye. Dark-blue sulfur	A. L. Laska	775,570	Nov. 22	4148	.....	113	991
Dye. Dark-brown wool-	A. L. Laska	767,069	Aug. 9	1924	.....	111	1488
Dye. Green	A. Lüttringhaus	750,113	Jan. 19	3146	.....	108	732
Dye. Green-blue anthracene	M. Kugel	775,367	Nov. 22	3698	.....	113	892
Dye. Green-blue anthraquinone	M. Kugel	756,369	Nov. 22	3700	.....	113	892
Dye. Orange sulfur	W. Emmerich	760,110	May 17	3063	.....	110	724
Dye. Oxidizing sulfur	H. J. Cooke	769,059	Aug. 30	6001	.....	111	2447
Dye. Red azo	P. Julius	752,462	Feb. 16	3832	.....	108	1822
Dye. Red azo	P. Julius and S. Haeckel	759,716	May 10	2090	.....	110	1201
Dye. Red-violet azo	H. Witter	761,123	May 31	5090	.....	110	1201
Dye. Trioxanthraquinone	A. Dorner	754,856	Mar. 15	3289	.....	109	753
Dyes. Making anthraquinone	I. Wolman	772,857	Oct. 18	3303	.....	112	1711
Dyes. Making lakes from sulfur	E. Hepp and E. Wolpert	754,768	Mar. 15	3104	.....	109	713
Dyes. Making lakes from sulfur	R. Gley	772,691	Oct. 25	3461	.....	112	1768
Dyes. Preparation of azo	F. Poirrier	768,320	June 21	3361	.....	110	2210
Dyes stable. Making sulfur	W. Loeb	761,310	May 31	5163	.....	110	1281
Dyeing and washing machine	R. Lauch	764,735	July 12	1723	.....	111	392
Dyeing apparatus	C. Corron	768,425	Aug. 23	4696	984	111	2142
Dyeing apparatus	J. A. Willard	755,423	Mar. 22	4312	954	111	990
Dyeing apparatus	O. Venter	764,906	July 12	2195	454	111	496
Dyeing apparatus	W. W. Cramer	765,283	July 26	3978	948	111	906
Dyeing apparatus	J. Kershaw	776,009	Nov. 29	5138	1085	113	1227
Dyeing apparatus. Automatic	J. Marshall	757,478	Apr. 19	2537	537	109	1013
Dyeing, &c. Apparatus for	F. Cleff	750,601	Jan. 26	4065	880	108	949
Dyeing, &c. Apparatus for	F. Schmitt	735,050	Dec. 22	3234	706	109	845
Dyeing, &c. Apparatus for	J. Schmitt	764,825	July 12	1914	392	111	434
Dyeing, &c. Apparatus for	O. Venter	774,407	Nov. 8	1672	359	113	892
Dyeing, &c. Apparatus for	A. Fankhauser, A. Ryser, and F. J. H. Knibbieller.	775,621	Nov. 22	4240	895	113	1014
Dyeing apparatus. Game-ball.	L. Burt	751,145	Feb. 2	664	153	108	1201
Dyeing composition	G. M. Lawton	763,616	June 28	3946	.....	110	2357
Dyeing composition	G. M. Lawton	768,809	Aug. 30	5479	.....	111	2330
Dyeing cops, &c. Apparatus for	R. Rawson and E. Lodge	772,581	Oct. 18	3771	610	112	1596
Dyeing-machine	C. W. Herbine and H. Rech.	760,118	May 17	3079	644	110	728
Dyeing-machine	J. R. Greenwood	776,237	Nov. 29	5469	1158	113	1303
Dyeing-machine	J. Hussong	776,327	Nov. 29	5610	1189	113	1333
Dyeing, &c. machine.	J. W. Fries	778,236	Dec. 27	3504	771	113	2232
Dyeing machine. Textile-fabric.	C. L. Rothwell-Jackson and E. W. Hunt	757,055	Apr. 12	1686	366	109	1717
Dyeing machine. Yarn-	R. Elliott	751,154	Feb. 2	679	156	108	1204
Dyeing skins. Machine for	P. Bruffaers	765,375	July 19	2250	617	111	674
Dyeing under pressure. Apparatus for	L. Détré	773,378	Oct. 25	4519	956	112	2002
Dyeing wood	J. Brenner	755,993	Mar. 20	5430	.....	109	1255
Dyestuff	G. Kowalski	752,914	Feb. 23	3829	859	108	1944
Dyestuff. Sensitizing	E. Berendes	752,323	Feb. 16	2943	.....	108	1723
Dynamo	M. C. Burr	769,815	Sept. 13	1297	275	112	313
Dynamo	I. Deutsch	773,129	Oct. 25	3692	846	112	1887

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Dynamo-brush	M. Bünning	752,820	Feb. 23	3869	808	108	1952
Dynamo brush-holder	W. Slee	757,357	Apr. 12	2287	499	109	1846
Dynamo. Continuous-current	E. J. Javaux and A. M. L. Barbou	761,682	June 7	119	20	110	1465
Dynamo for train-lighting	J. F. McElroy	777,857	Dec. 20	2772	639	113	2092
Dynamo-mounting for railway-car trucks	W. F. Richards	769,820	Sept. 13	1488	318	112	353
Dynamo or motor suspension	M. Moskowitz	768,302	Aug. 23	4636	907	111	2129
Dynamo or motor with alternating field. Electric	R. Ziegenberg	748,907	Jan. 5	672	149	108	151
Dynamo pole-changer	I. Deutsch	751,474	Feb. 9	1275	391	108	1347
Dynamo-regulator	G. S. Neeley	770,099	Sept. 13	1805	381	112	424
Dynamo-testing machine	J. J. Wood	758,880	May 3	610	121	110	145
Dynamo. Variable-speed	A. J. Farnsworth	777,194	Dec. 13	1436	318	113	1761
Dynamo voltage-regulator	G. S. Neeley	770,099	Sept. 13	1808	382	112	425
Dynamos. Regulating constant-current	M. Leblanc	773,400	Oct. 25	4571	965	112	2014
Dynamos. Suspension means for axle-driven.	R. M. Newbold	766,891	Aug. 9	1584	333	111	1412
Dynamometer. Indicating or recording	E. Weston and A. O. Benecke	758,726	May 3	389	57	110	74
Ear	C. E. Carll	748,581	Jan. 5	46	13	108	13
Ear	E. L. Williams	749,298	Jan. 13	2021	432	112	47
Ear and bail for culinary vessels	J. Stuber	778,340	Dec. 27	3730	814	113	2284
Ear-drum protector	J. A. R. Elliott	750,625	Jan. 26	4101	888	108	956
Ear-hood	A. E. C. Otte	758,680	May 3	147	31	110	36
Ear-phone	D. E. Smith	774,282	Nov. 8	1447	310	113	342
Ear-ring	J. Fejcharl	773,382	June 28	3525	760	110	132
Earth-moving apparatus	D. M. Nesbit	769,561	Sept. 6	822	176	112	186
Easel	J. Weber	754,945	Mar. 15	3454	756	109	790
Easel	H. C. Cady	758,351	Apr. 26	4287	921	109	2317
Easel	J. Weber	759,946	May 17	2759	573	113	648
Easel	E. C. Endler	763,382	June 28	3525	760	110	2267
Easel	J. Asael	766,382	Aug. 9	1758	369	111	1451
Easel	F. E. Housh	772,513	Oct. 18	2644	581	112	1567
Easel-support	E. J. Trum	756,740	Apr. 5	1050	234	109	1567
Easel-support	H. L. Wilson	773,177	Oct. 25	4118	870	112	1916
Easel-tray	E. Eckart	771,467	Oct. 4	484	109	112	1061
Eaves-protector	G. M. Bohner	749,419	Jan. 12	1782	376	103	422
Eaves-trough clamp	E. T. Wildsmith	766,087	July 26	4375	998	111	991
Eaves-trough cleaner	G. W. Boyer	753,660	Mar. 1	846	190	109	184
Eaves-trough-forming machine	L. J. Shifley	759,480	May 10	1833	369	110	436
Eaves-trough hanger	C. S. Wolford	763,449	June 28	3661	788	110	2297
Eccentric	W. A. Sanders	768,605	Aug. 30	5276	1109	111	2284
Economizers, &c. Casing for	F. E. Caldwell	752,281	Feb. 16	2820	625	108	1705
Edge-runner	W. A. Merralls	774,339	Nov. 8	1537	329	113	363
Edge-tool	J. E. Eaton	769,858	Sept. 13	1384	295	112	332
Educational, amusement, or other purposes. Device for	W. H. Robertson	771,394	Oct. 4	340	75	112	1032
Educational appliance	T. E. Thompson	777,268	Dec. 13	1572	351	113	1791
Educational-chart exhibitor	M. Wilson	770,891	Dec. 20	3236	711	113	2155
Educational concentrator	J. F. Barker	770,842	Sept. 27	3272	680	112	787
Educational device	E. W. Barker	758,837	Mar. 29	5130	1135	109	1189
Educational device	O. H. Powers	768,226	June 23	4565	997	110	2488
Educational or scientific device	R. W. Willson	774,908	Nov. 15	2873	619	113	680
Egg-beater	G. J. Angerbower	751,691	Feb. 9	1511	344	108	1399
Egg-beater	W. V. Paley and T. H. Bussey	771,088	Sept. 27	3748	790	112	892
Egg-beater	W. J. Dudley	775,102	Nov. 15	3079	654	113	727
Egg-boiler	J. Anderson	759,072	Jan. 19	3077	661	108	717
Egg-boiling apparatus	R. E. Deane	777,610	Dec. 13	2265	497	113	1940
Egg-case	H. C. Johnson	771,778	Oct. 4	1139	254	112	1202
Egg-case	O. Phillips	778,143	Dec. 20	3334	731	113	2177
Egg-case	D. M. and R. W. Rundle	778,711	Dec. 27	4434	971	113	2434
Egg-case. Folding	A. Brockschmidt and P. Ryan	777,775	Dec. 20	2564	565	113	2021
Egg-case. Folding	T. M. McIntosh	778,738	Dec. 27	4525	990	113	2453
Egg-case tray or filler	F. F. Bischoff	769,842	May 24	4511	961	110	1059
Egg-coating compound	W. Sanders	758,984	May 3	711	111	110	166
Egg, cream, &c., beater	E. M. Morgan	776,791	Dec. 6	654	144	113	1570
Egg-drying apparatus	A. D. Robinson	757,347	Apr. 12	2270	495	109	1843
Egg or fruit tray	W. Wilson and T. W. Baker	753,343	Mar. 1	329	52, 53	109	52
Egg-poacher	J. A. Beury	755,457	Mar. 22	4312	362	109	696
Egg-preserving compound	N. J. Dobbins	757,211	Aug. 9	2232	567	111	1551
Egg-separator	P. P. Menard	761,240	May 31	5317	1129	110	1251
Egg-tester	P. B. Southworth	752,806	Feb. 23	3832	860	108	1944
Egg-tray	A. Blum and E. D. Mann	765,543	July 19	3292	690	111	747
Eggs, cream, vegetables, &c. Beater, mixer, and masher for	H. B. Drake	755,640	Mar. 29	4719	1049	109	1093
Eggs during transit. Means for holding	W. Sturm	768,086	Aug. 23	3998	840	111	1983
Eggs for breeding purposes. Protector for	A. L. and O. L. Barstad	755,434	Mar. 22	4335	959	109	995
Eggs. Preserving	W. A. DeJarnatt	770,629	Sept. 20	2936	602	112	673
Elastic band. Covered	W. H. Strickler	762,562	June 14	1883	405	110	1896
Elastic band or strap	J. and F. N. Ashworth	754,959	Mar. 23	3483	762	109	813
Elastic bands. Covering	J. D. O'Brien	750,780	Jan. 26	4442	958	103	1033
Elastic cord. Covered	M. F. and F. N. Ashworth	761,129	May 31	5100	1083	110	1203
Elastic fabric	R. B. Price	732,414	Feb. 16	3083	684	108	1761
Elbow-machine	H. J. Gaisman	753,435	Apr. 26	4450	637	109	2354
Electric accumulator	A. P. Tucker	776,098	Nov. 29	5079	1073	113	1214
Electric accumulator	R. Fortun and E. Semprun	759,431	May 10	1742	353	110	415
Electric accumulator-plate	C. de Selneff	768,680	Aug. 30	5126	1078	111	2232
Electric accumulator-plate	C. P. Ellison	755,642	Mar. 29	4721	1030	109	1093

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Electric accumulator-plates. Making	C. P. Elieson	755,643	Mar. 29	4722	1050	109	1093
Electric alarm	H. Trull	760,281	May 17	3387	714	110	796
Electric apparatus. Gas or vapor	M. von Recklinghausen	750,891	Feb. 2	214	48	108	1105
Electric apparatus. Gas or vapor	M. von Recklinghausen	750,892	Feb. 2	215	48	108	1105
Electric apparatus. Means for protecting vapor	P. C. Hewitt	760,483	May 24	3764	737	110	898
Electric apparatus. Protecting device for vapor	J. R. Baker	760,119	May 17	3080	644	110	728
Electric apparatus. Starter for vapor	C. W. Denny	760,096	May 17	3032	632	110	718
Electric apparatus starting device. Vapor	P. C. Hewitt	764,181	July 5	539	106	111	119
Electric apparatus. Vapor	767,408	Aug. 16	2578	544	111	1647	
Electric-arc furnace	M. von Recklinghausen	770,100	Sept. 13	1826	386	112	429
Electric-arc lighting	A. H. Imbert	768,995	Aug. 30	5873	1232	111	2420
Electric-arc rupturing device	J. A. Heany	761,380	May 31	5600	1192	110	1313
Electric arcs for heating and lighting. Apparatus for producing	S. H. Short	757,782	Apr. 19	3161	686	109	2051
Electric arcs. Means for extinguishing	J. I. Ayer	748,574	Jan. 5	15	4	108	6
Electric battery	E. Thomson	751,028	Feb. 2	454	107	108	1158
Electric battery	W. S. Bryan	750,250	Jan. 26	3398	735	108	805
Electric battery	P. J. Kamperdyk	763,674	June 28	4069	886	110	2383
Electric battery	P. J. Kamperdyk	764,813	July 12	1883	386	111	428
Electric battery	C. Foglesong	768,373	Aug. 30	4960	958	111	2108
Electric battery	I. L. Roberts	771,498	Oct. 4	546	123	112	1074
Electric battery	C. F. Mackey	773,331	Oct. 25	4423	938	112	1981
Electric battery	W. H. Gregory	777,851	Dec. 20	2753	606	113	2059
Electric battery	A. Gabrielson	778,553	Dec. 27	4348	950	113	2415
Electric blanket	C. Foglesong	750,179	Jan. 26	3398	735	108	805
Electric blanket	F. K. Singer	751,353	Feb. 2	1080	214	108	1287
Electric boosters. Controlling	E. M. Hewlett	756,167	Mar. 29	5738	1268	109	1320
Electric boosters. Means for controlling	E. M. Hewlett	750,972	Feb. 2	358	87	108	1137
Electric boosters. Protective means for	M. W. Day	752,528	Feb. 16	3282	732	108	1805
Election-booth	G. W. Naylor, Sr., and J. Doran	756,398	Apr. 5	416	86	109	1433
Electric brake	G. C. Anthon	750,421	Jan. 26	3708	805	108	876
Electric brake	G. C. Anthon	750,422	Jan. 26	3712	805	108	877
Electric brake	P. P. Crafts	750,434	Jan. 26	3741	813	108	883
Electric brake	W. Lasar	759,288	May 10	1459	291	110	354
Electric brake	F. C. Newell	763,108	June 21	2953	637	110	2119
Electric brake	E. R. Gill	778,238	Dec. 27	3508	772	113	2233
Electric cable	J. Frisch	759,981	May 17	2814	589	110	669
Electric-cable fault-locator	D. E. Wiseman	754,402	Mar. 8	2379	519	109	536
Electric cable. Metal-sheathed	F. Schleifenbaum and E. Schürer	772,380	Oct. 18	2369	520	112	1508
Electric cables. Joining sections of underground conduits for	J. M. Graves	764,580	July 12	1400	286	111	322
Electric carrier. Overhead	C. M. Clark	761,875	June 7	536	106	110	1560
Electric cells. Producing elements for	I. Kitsee	766,504	Aug. 2	740	154	111	1202
Electric circuit	G. A. Campbell	773,372	Oct. 25	4507	953	112	2000
Electric circuit	G. A. Campbell	773,472	Oct. 25	4718	996	112	2043
Electric-circuit automatic regulator	M. Waddell	760,091	May 17	3030	631	110	715
Electric-circuit breaker	W. J. Lloyd and G. Wright	768,334	Aug. 23	4485	943	111	2088
Electric-circuit-breaker retarding device	A. R. Cheyney	755,358	Mar. 22	4193	927	109	965
Electric-circuit closer	J. K. Norstrom and H. M. Graif	769,228	Sept. 6	171	42	112	38
Electric-circuit closer and breaker	T. H. McQuown	748,638	Jan. 5	165	40	108	37
Electric-circuit closer and breaker	T. H. McQuown. (Reissue)	12,273	Oct. 11	2254	494	112	1462
Electric-circuit-controlling apparatus	J. P. Tirrell	764,218	July 5	636	129	111	141
Electric-circuit controlling means	J. K. Lux	761,003	May 24	4813	1024	110	1124
Electric-circuit controlling-switch	M. W. Day	775,445	Nov. 22	3858	816	113	929
Electric-circuit cut-out	C. and C. Johnston	764,293	July 5	772	158	111	171
Electric-circuit cut-out or fuse	O. Feuerlein	769,965	Sept. 13	1645	348	112	389
Electric-circuit-limiting device	C. W. Potter	754,496	Mar. 15	2594	564	109	602
Electric-circuit plug-receptacle	J. H. Trumbull	759,941	May 17	2721	572	110	646
Electric-circuit-regulating device	M. H. Baker	762,114	June 7	958	198	110	1645
Electric-circuit regulation	H. R. Sargent	769,638	Sept. 6	952	206	112	217
Electric-circuit switch	G. Wright	761,745	June 7	239	46	110	1491
Electric-circuit switch	H. C. Whitcomb	771,344	Oct. 4	241	53	112	1035
Electric-circuit time cut-out	E. F. Callender	772,923	Oct. 25	3448	748	112	1760
Electric circuits. Means for tuning and adjusting.	F. Braun	763,345	June 21	3402	740	110	2219
Electric compensator	E. O. Schweitzer	778,714	Dec. 27	4441	971	113	2436
Electric condenser	M. O. Troy	756,991	Aug. 12	1552	341	109	1688
Electric condenser. High-tension.	I. Mosicki	761,690	May 31	5093	1065	110	1189
Electric-conductor cleat	H. R. Sargent	769,639	Sept. 6	954	206	112	217
Electric-conductor ground connection	F. P. Fuller and J. J. Walsh	758,057	Apr. 26	3692	802	109	2187
Electric-conductor-protecting means	E. M. Hewlett	771,307	Oct. 4	169	37	112	967
Electric-conductor protective system	L. Andrews	771,891	Oct. 11	1343	304	112	1260
Electric-conductor support	F. C. Locke	758,234	Apr. 26	4236	910	109	2306
Electric-conductor suspension-clamp	E. L. Schwarz and A. G. Ward	776,695	Dec. 6	457	101	113	1828
Electric conductors. Combination bracket and knob for	E. C. Hunt	753,399	Mar. 1	328	74	109	74
Electric conductors. Mechanism for removing ice from	B. J. Jewett	756,502	Apr. 5	615	133	109	1472
Electric conductors. Safety apparatus for use with overhead	H. F. Hill	762,410	June 14	1544	338	110	1793
Electric conduit-box	D. Shea	768,545	Aug. 23	4392	1039	111	2192
Electric conduit. Sectional	C. E. Wilson	767,463	Aug. 12	2695	566	111	1673
Electric connection	F. J. Russell	753,593	Mar. 22	4267	943	109	981
Electric-connection rosette	M. Norden	766,767	Aug. 2	1282	272	111	1326
Electric-connection rosette	M. Norden	767,828	Aug. 16	3407	719	111	1830
Electric controller	F. E. Case	750,947	Feb. 2	317	75	108	1127
Electric controller	A. C. Eastwood	757,898	Apr. 19	3369	728	109	2365
Electric controller	M. S. Horton	768,566	Aug. 23	4976	1042	111	2200

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Electric controller	J. Lindall	768,610	Aug. 30	5091	1069	111	2245
Electric controller	A. Sundh	772,067	Oct. 11	1720	383	112	1343
Electric controller	A. W. Harrison	772,313	Oct. 11	2324	487	112	1455
Electric controller	H. C. Smith and G. E. Lippert	775,317	Nov. 22	3580	756	113	865
Electric controller	W. A. Price	777,536	Dec. 13	2096	461	113	1904
Electric controller for alternating currents.	R. P. Rukenbrod	756,711	Apr. 5	981	217	109	1553
Electric-current-regulating system. Automatic.	W. Stockmeyer	768,868	Aug. 30	5613	111	2359	
Electric-cord adjuster	J. E. Masterson	752,696	Feb. 23	3638	810	108	1901
Electric coupling	G. A. Le Fevre	748,961	Jan. 5	786	170	108	179
Electric-current-generating apparatus	C. S. Bradley	775,891	Nov. 22	4758	1008	113	1122
Electric-current governor	W. J. Richards	778,333	Dec. 27	3708	809	113	2275
Electric-current interrupter or circuit-breaker.	J. O. Heinze, Jr	766,248	Aug. 2	219	43	111	1089
Mechanical							
Electric-current-regulating apparatus.	R. C. Clinker	771,999	Oct. 4	153	34	112	994
Electric-current regulator.	N. Harrison	757,302	Apr. 12	4170	476	109	1822
Electric-current regulator.	F. E. Phillips	767,833	Aug. 16	3414	720	111	1832
Electric-current-testing device.	C. Oliver	755,382	Mar. 22	4246	938	109	977
Electric currents. Light-accumulator for continuous and alternating.	A. Engelsmann	761,066	May 31	4985	1057	110	1179
Electric currents. Means for controlling.	I. Deutsch	760,970	May 24	4758	1013	110	1111
Electric currents. Means for safely conducting.	E. A. Jarvis	760,940	May 24	4311	915	110	1016
Electric currents. Partial circuit for.	G. Thompson	762,957	June 21	2679	580	110	2059
Electric cut-out.	W. H. Verner	751,227	Feb. 2	840	192	108	1236
Electric cut-out.	H. Fielding	761,466	May 31	5744	1255	110	1347
Electric cut-out.	W. E. Hartwig	761,040	June 7	107	18	110	1463
Electric cut-out.	J. C. Tournier	768,351	Aug. 23	4515	950	111	2095
Electric cut-out. Automatic.	G. Milburn	756,516	Apr. 5	640	138	109	1476
Electric device. Portable.	C. E. Avery	776,638	Dec. 6	342	73	113	1504
Electric devices. Starting gas or vapor	S. E. Flichtner	765,405	July 19	3152	659	111	717
Electric devices. Starting means for gas or vapor.	S. E. Flichtner	765,617	July 19	3422	722	111	776
Electric devices. Starting system for gas or vapor.	S. E. Flichtner	765,466	July 19	3156	660	111	718
Electric discharges. Device for projecting air against.	E. E. Werner	777,991	Dec. 20	3053	671	113	2117
Electric distribution. Panel-board for.	G. H. Jones	756,966	Apr. 12	1501	331	109	1678
Electric dynamo	R. M. Newbold	759,122	May 3	1055	214	110	240
Electric elevator	H. R. Wellman	756,444	Apr. 5	514	107	109	1452
Electric elevator	E. H. Vogel	765,348	July 19	2904	606	111	665
Electric fixture	G. L. Martin	771,359	Oct. 4	76	17	112	978
Electric-fixture support for outlet-boxes	W. F. Basset	763,353	June 24	3462	748	110	2254
Electric-fixture switch attachment. Cluster.	W. L. Bradshaw	766,319	Aug. 2	366	77	111	1121
Electric furnace	L. W. Stevens and B. Timmerman	749,460	Jan. 12	1886	392	108	443
Electric furnace	L. W. Stevens and B. Timmerman	749,461	Jan. 12	1890	398	108	444
Electric furnace	A. H. Cowles	750,171	Jan. 19	3253	702	108	755
Electric furnace	R. C. Contardo	750,753	Jan. 26	4377	945	108	1020
Electric furnace	C. A. Keller	754,656	Mar. 15	2897	633	109	605
Electric furnace	W. S. Horry and E. F. Price	757,621	Apr. 19	2849	621	109	1983
Electric furnace	C. P. E. Schneider	761,920	June 7	618	123	110	1576
Electric furnace	C. P. E. Schneider	763,330	June 21	3375	733	110	2213
Electric furnace	G. P. de Laval	768,654	Aug. 23	3900	618	111	1953
Electric furnace	M. R. Conley	769,250	Sept. 6	223	53	112	49
Electric furnace	H. Harmet	772,354	Oct. 18	2326	510	112	1499
Electric furnace	C. P. Steinmetz	773,821	Nov. 1	541	118	113	125
Electric furnace	B. Raddatz	775,282	Nov. 15	3502	733	113	880
Electric furnace	A. C. Higgins	775,654	Nov. 22	4317	911	113	1029
Electric furnace	H. M. Howe	778,194	Dec. 20	3430	754	113	2196
Electric generator	H. Liebreich	752,236	Feb. 16	8721	602	108	1684
Electric-generator brush-holder	L. R. Smith	760,105	Sept. 6	108	27	112	25
Electric-generator brush-holder	I. Deutsch	774,163	Nov. 8	1231	263	113	295
Electric generator. Frictional.	G. Gernakian	759,096	May 3	1004	204	110	228
Electric generators. Automatic regulator for	W. A. Turbayne	760,713	May 24	4242	902	110	1002
Electric generators. Automatic regulator for	M. R. Shedd	761,012	May 24	4833	1026	110	1128
Electric generators. Means for controlling the voltage from	I. Deutsch	776,323	Nov. 29	5440	1152	113	1296
Electric generators. Means for exciting dynamo.	W. L. Bliss	773,918	Nov. 1	778	163	113	179
Electric generators or motors. Revolving field for.	W. A. Johnson	769,090	Aug. 30	6055	1267	111	2459
Electric heater	R. A. Peacock	749,040	Jan. 12	2187	460	108	510
Electric heater	R. Kuhn	758,242	Apr. 5	100	21	109	1363
Electric heater	E. Eckmann	758,303	Apr. 26	4196	903	109	2238
Electric heater	G. I. Leonard	760,076	May 17	2985	624	110	707
Electric heater	E. F. Porter	761,250	May 31	5334	1133	110	1254
Electric heater	C. M. Fisk	771,424	Oct. 4	420	84	112	1046
Electric heater	H. E. Heath	771,903	Oct. 11	1378	313	112	1267
Electric heater	E. P. Weggen	775,714	Nov. 22	4436	937	113	1054
Electric heater and battery. Combined	J. R. Davis	760,315	May 17	3446	726	110	809
Electric heater. Flexible	S. S. Wales	774,623	Nov. 8	3776	452	113	476
Electric heater or rheostat	M. C. Krueger	739,732	Apr. 5	100	21	110	535
Electric heater or rheostat resistance-sheet	G. I. Leonard	768,704	Aug. 30	5397	1137	111	2312
Electric ignition device for internal-combustion motors.	C. W. Svenson	771,683	Oct. 4	911	205	112	1154
Electric illuminating arrangement for railway-vehicles.	F. W. Schneider	774,701	Nov. 8	2221	484	113	500
Electric indicator	E. Sadler	760,568	May 24	3939	836	110	937
Electric inductive conductor	P. A. McGeorge	759,120	May 3	1053	214	110	239
Electric interrupter for high-frequency currents	G. E. Johnson	774,181	Nov. 8	1269	269	113	304

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Electric kiln.....	F. E. Dickinson.....	773,853	Nov. 1	633	134	113	146
Electric-light bracket.....	T. Smith.....	759,925	May 17	2688	565	110	689
Electric-light bracket.....	T. Smith.....	759,926	May 17	2690	565	110	639
Electric-light bulbs. Tool for removing or replacing incandescent.....	A. T. Speelman.....	750,408	Jan. 26	3691	801	108	872
Electric-light-circuit protector.....	S. Kalbach.....	756,025	Mar. 29	5496	1312	109	1268
Electric-light fixture.....	J. J. Miller.....	751,321	Feb. 2	1026	233	108	1276
Electric-light fixture.....	G. H. Young.....	763,237	June 21	3214	692	110	2178
Electric-light hanger for walls.....	V. H. Liss.....	764,135	July 5	444	86	111	96
Electric-light hanger-handle.....	P. J. Cahill.....	764,037	July 5	245	45	111	57
Electric light or motor circuits. Audible indicator for.....	J. P. Gillette.....	769,540	Sept. 6	788	170	112	178
Electric light. Portable.....	C. Hubert.....	762,720	June 14	3201	478	110	1933
Electric light. Portable.....	E. B. Gill.....	774,749	Nov. 15	2370	512	113	564
Electric-light-producing device.....	H. Viertel.....	750,414	Jan. 26	3698	802	108	874
Electric-light socket. Incandescent.....	L. H. Stuart.....	778,383	Dec. 27	3816	833	113	2298
Electric lights. Current-limiting switch for.....	H. W. Brown.....	772,921	Oct. 25	3444	747	112	1760
Electric lighting and power system.....	W. A. Turbayne.....	757,695	Apr. 19	2983	648	109	2013
Electric-lighting apparatus.....	W. Knobloch.....	768,002	June 21	2754	598	110	2076
Electric-lighting device.....	O. Gergacevics.....	769,739	Sept. 13	1144	246	112	277
Electric lighting. Regulating apparatus for theatrical.....	E. F. Moy and P. H. Bastie.....	759,904	May 17	2650	556	110	630
Electric-lighting system for vehicles.....	J. A. Little.....	768,495	June 28	3733	805	110	2311
Electric lock.....	F. Lombardi.....	755,897	Mar. 29	5242	1180	109	1214
Electric lock.....	J. H. Hastings.....	756,854	Apr. 19	2899	699	109	1635
Electric lock.....	A. Haesner.....	767,050	Aug. 9	1880	394	111	1480
Electric lock.....	E. B. Jacobson and E. Blasser.....	767,557	Aug. 16	3248	684	111	1798
Electric logs. Time-alarm for.....	C. G. O. H. von Köhler.....	772,532	Oct. 18	2655	583	112	1570
Electric machine.....	N. A. Christensen.....	753,954	Mar. 8	1484	332	109	342
Electric machine.....	N. A. Christensen.....	762,141	June 7	1008	209	110	1657
Electric machine. Air-cooled.....	L. Falk.....	771,468	Oct. 4	484	109	112	1061
Electric-machine brush-holder. Dynamo.....	E. Woelhr.....	777,709	Dec. 20	2446	538	113	1995
Electric-machine coil. Dynamo.....	F. Porsche and L. Lohner.....	755,537	Mar. 22	4510	1004	109	1032
Electric-machine. Commutating dynamo.....	E. R. Whitney.....	767,787	Aug. 16	3308	698	111	1812
Electric machine. Dynamo.....	D. E. Rushmore.....	751,563	Feb. 9	442	328	108	1885
Electric machine. Dynamo.....	H. Holzwarth.....	752,108	Feb. 16	1288	576	108	1651
Electric machine. Dynamo.....	L. Wilson.....	760,408	May 17	3613	761	110	847
Electric machine. Dynamo.....	C. P. Steinmetz.....	771,284	Oct. 4	126	28	112	989
Electric machine. Dynamo.....	C. P. Steinmetz.....	771,285	Oct. 4	127	29	112	989
Electric-machine frame.....	C. Dählmann.....	773,550	Nov. 1	38	8	113	12
Electric machine or motor. Dynamo.....	L. E. Storey.....	760,086	May 17	3010	629	110	713
Electric-machine shunt-controller.....	S. 66,045 Mar. 29	5525	1218	109	1275		
Electric machine. Static.....	E. E. Fewkes.....	755,367	Mar. 22	4209	932	109	969
Electric machine. Static.....	J. G. H. Burboa.....	776,997	Dec. 6	1071	232	113	1664
Electric-machine synchronizing device. Dynamo.....	L. C. Marburg.....	773,880	Nov. 1	697	145	113	160
Electric machines. Brush and brush-holder for magneto.....	E. B. Jacobson.....	770,175	Sept. 13	1947	415	112	455
Electric machines in adjustable relation. Means for securing the stators and rotors of.....	H. Böhmkländer and R. Pfeifer.....	763,845	June 28	4409	958	110	2456
Electric machines. Means for regulating dynamo.....	C. R. McKay.....	762,744	June 14	2940	467	110	1941
Electric machines. Means for starting alternating-current dynamo.....	J. E. Woodbridge.....	755,834	Mar. 29	5090	1131	109	1177
Electric machines. Regulating dynamo.....	W. L. Merrill.....	775,453	Nov. 22	3880	819	113	993
Electric-machinery control. Dynamo.....	E. R. Carichoff.....	763,658	June 28	4033	890	110	2375
Electric machinery. Dynamo.....	H. G. Reist.....	775,458	Nov. 22	3890	823	113	995
Electric machinery. Dynamo.....	H. G. Reist.....	775,857	Nov. 22	4700	995	113	1109
Electric make-and-break mechanism.....	J. C. Waldo.....	777,164	Dec. 13	1387	306	113	1751
Electric material. Incandescent.....	A. Voelker.....	770,991	Sept. 27	3551	748	112	852
Electric meter.....	T. Duncan.....	752,048	Feb. 16	2875	531	108	1603
Electric meter.....	T. Duncan.....	753,191	Feb. 23	4593	1024	108	2115
Electric meter.....	T. Duncan.....	753,192	Feb. 23	4597	1024	108	2116
Electric meter.....	T. Duncan.....	753,193	Feb. 23	4600	1025	108	2118
Electric meter.....	T. Duncan.....	753,194	Feb. 23	4603	1025	108	2118
Electric meter.....	T. Duncan.....	753,556	Mar. 1	653	117	109	144
Electric meter.....	L. P. Décombe.....	759,352	May 10	1594	321	110	381
Electric meter.....	W. Stanley.....	762,358	June 14	1439	312	110	1770
Electric meter.....	A. Peloux.....	764,253	July 5	684	140	111	153
Electric meter.....	A. Peloux.....	765,592	July 19	3477	711	111	766
Electric meter.....	T. Duncan.....	768,982	Aug. 30	5847	1228	111	2414
Electric meter.....	T. Duncan.....	769,986	Sept. 13	1619	344	112	381
Electric meter.....	T. Duncan.....	769,987	Sept. 13	1622	345	112	382
Electric meter.....	T. Duncan.....	769,988	Sept. 13	1627	345	112	383
Electric meter.....	W. H. Pratt.....	771,266	Oct. 4	92	20	112	961
Electric meter.....	E. R. Whitney.....	773,837	Nov. 1	580	125	113	133
Electric-meter-controlling means.....	W. H. Pratt.....	768,344	Aug. 23	4432	947	111	2098
Electric motor.....	T. W. Heermans.....	750,765	Jan. 26	4410	951	108	1027
Electric motor.....	H. P. Maxim.....	751,191	Feb. 2	760	173	108	1219
Electric motor.....	C. Fleischmann.....	752,391	Feb. 16	3032	675	109	1751
Electric motor.....	D. P. Burdon.....	754,124	Mar. 8	1798	401	109	413
Electric motor.....	R. E. Barker.....	755,732	Mar. 29	4910	1093	109	1138
Electric motor.....	A. Vanderbeck.....	758,225	Apr. 26	4009	870	109	2256
Electric motor.....	G. C. Hall.....	762,709	June 14	2178	474	110	1928

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr & E.	Vol.	Page.
Electric motor	E. S. Pillsbury	770,923	Sept. 27	3420	721	112	820
Electric motor	E. S. Pillsbury	770,924	Sept. 27	3423	723	112	821
Electric motor	E. Bretch.	772,083	Oct. 11	1753	890	112	1350
Electric motor	A. B. Holson. (Reissue)	12,281	Oct. 25	4890	1032	112	2082
Electric motor	F. B. Duncan	772,330	Nov. 1	804	722	113	587
Electric motor	J. H. Bryson	778,400	Dec. 27	3856	841	113	2307
Electric motor. Alternating-current	B. G. Lamme	775,334	Nov. 23	3613	766	113	873
Electric-motor brake	L. A. Tirrill	770,028	Sept. 13	1693	359	112	400
Electric-motor control.	S. T. Dodd	749,271	Jan. 12	1477	316	108	356
Electric-motor-control system. Multiple	W. Baxter, Jr.	769,812	Sept. 13	1272	273	112	304
Electric-motor controller	M. W. Alexander	755,731	Mar. 29	4908	1092	109	1137
Electric-motor controller	T. E. Barnum	758,610	May 3	3	110	3	
Electric-motor controller	W. N. Vance	768,031	June 21	2738	608	110	2085
Electric-motor controller	W. B. Potter. (Reissue)	12,241	July 19	3513	741	111	794
Electric-motor controller	F. C. Watkins	768,711	Aug. 30	5302	1114	111	2230
Electric-motor controller	H. L. Van Valkenburg	774,800	Nov. 15	2469	533	113	587
Electric-motor controlling and regulating means	G. Kennerfelt	769,406	Sept. 6	826	116	112	119
Electric-motor controlling system	A. C. Eastwood	764,439	July 5	1080	321	111	240
Electric-motor controlling system	G. Westinghouse	773,832	Nov. 1	560	122	113	129
Electric-motor controlling system	G. Westinghouse and L. M. Aspin- wall	773,833	Nov. 1	567	123	113	130
Electric-motor controlling system	H. H. Cutler	777,778	Dec. 20	2568	569	113	2022
Electric motor. Reciprocating	A. F. Christmas	757,991	Apr. 19	3546	768	109	2136
Electric-motor-reversing means	C. M. Clark	761,876	June 7	538	107	110	1560
Electric-motor speed-governing apparatus	H. A. Bond	777,489	Dec. 13	3046	443	113	1886
Electric-motor starter and regulator combined	E. T. Moore	765,080	July 12	2291	477	111	516
Electric-motor starter. Automatic	W. C. O'Brien	732,097	Feb. 16	2460	550	108	1623
Electric-motor switch-operating mechanism	J. A. Mehrtens and J. H. Howard	770,378	Sept. 20	2368	500	112	570
Electric-motor switches. Automatic brake for controlling	F. A. Muschenheim and W. F. Hen-	748,635	Jan. 5	161	39	108	36
Electric-motor system	A. F. Christmas	773,120	Oct. 25	3973	842	112	1882
Electric-motor system	A. F. Christmas	773,125	Oct. 25	3984	844	112	1885
Electric motors. Automatic current-regulator for	A. Churchward	776,222	Dec. 27	3475	755	113	2235
Electric motors. Controlling	C. W. Kennedy and F. A. Poock	770,073	Sept. 13	1763	372	112	415
Electric motors. Coupling	D. P. Thomson	765,814	Mar. 29	5074	1126	109	1173
Electric motors. Means for regulating	J. G. V. Lang	767,154	Aug. 9	2105	439	111	1527
Electric motors. Means for regulating	J. G. V. Lang	767,155	Aug. 9	2109	440	111	1527
Electric motors. Means for variably operating and controlling	R. Eickemeyer	757,394	Apr. 12	2361	514	109	1861
Electric motors. Operating and controlling	N. W. Storer	765,209	July 19	2628	548	111	606
Electric motors. Regulating	F. E. Case	766,325	Aug. 2	377	80	111	1123
Electric motors. Regulating	J. G. V. Lang	767,350	Aug. 9	2161	511	111	1604
Electric motors. Regulating	J. G. V. Lang	767,351	Aug. 9	2163	512	111	1604
Electric motors. System for the operation of	A. C. Eastwood	751,903	Feb. 9	2087	471	108	1524
Electric or telephonic transmission	H. Carbonnelle	772,213	Oct. 11	2016	472	112	1407
Electric-oscillation indicator	A. Slaby	776,359	Nov. 29	5684	1203	113	1332
Electric oscillation systems. Apparatus for determining the length of waves and observing the oscillations in	J. Dönitz	763,164	Jan. 31	3074	662	110	2147
Electric plant for charging storage batteries	J. B. Meriam and M. B. Crist	750,876	Feb. 2	186	49	108	1098
Electric plug or socket extension	W. H. Kelsey	762,535	June 14	1819	392	110	1853
Electric pole-changer	C. E. Scribner	760,574	May 24	3949	838	110	940
Electric-power-transmission system	M. Déri	755,853	Mar. 29	5165	1142	109	1917
Electric recorder	F. C. Osborn	767,525	Aug. 16	2821	590	111	1702
Electric regulating-switch	H. W. W. Dix and J. Sandford	769,861	June 28	4434	965	110	2461
Electric regulator. Automatic	A. McGary	776,144	Nov. 29	5274	1115	113	1258
Electric resistance	H. von Kramer	756,119	Mar. 29	5669	1231	109	1305
Electric-resistance furnace	A. H. Cowles	750,098	Jan. 19	3115	670	108	724
Electric-resistance furnace	E. F. Price	757,634	Apr. 19	2870	625	109	1983
Electric selective system	J. A. Gehrung	752,150	Feb. 16	2502	570	108	1645
Electric selective system	J. A. Gehrung	755,127	Mar. 22	3737	826	109	874
Electric separator	A. H. Perry	759,910	May 17	2601	558	110	633
Electric signal	B. H. Scott	749,105	Jan. 5	1112	236	108	256
Electric signal	H. E. Bradley	751,780	Feb. 9	1840	419	108	1466
Electric signal	J. E. Feller	754,208	Mar. 8	1954	435	109	447
Electric signal	W. D. Marks	762,331	June 14	1388	300	110	1761
Electric signal	W. T. Wheeler	769,203	Sept. 6	121	30	112	28
Electric signal	F. B. Gray	774,320	Nov. 8	1521	325	113	359
Electric snap-switch	G. W. Hart	753,851	Mar. 8	1331	300	109	307
Electric snap-switch	N. Marshall	768,474	Aug. 23	4736	1002	111	2161
Electric-snap-switch indicator	C. G. Perkins	772,051	Oct. 11	1685	376	112	1335
Electric-snap-switch support	E. R. Gill	754,762	Mar. 15	3097	676	109	712
Electric spark-gap	T. B. Kinraide	774,758	Nov. 15	2383	514	113	567
Electric-spark-producing apparatus	C. H. Thordarson	751,574	Feb. 9	1466	333	108	1390

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Electric-starting-box lever-locking device	G. W. Pierce	769,111	Aug. 30	6099	1276	111	2469
Electric switch	G. Monson	750,993	Feb. 2	398	93, 94	108	1144
Electric switch	E. A. Lowe	751,084	Feb. 2	554	129	108	1180
Electric switch	W. F. Irish	751,174	Feb. 2	739	167	108	1213
Electric switch	G. Wright and H. C. White	751,597	Feb. 9	1506	342	108	1398
Electric switch	C. C. Badeau	752,192	Feb. 16	2631	843	108	1662
Electric switch	W. K. Dodge	752,531	Feb. 16	3288	733	108	1807
Electric switch	G. W. Hart	753,258	Mar. 1	85	22	109	21
Electric switch	N. Marshall	754,378	Mar. 8	2317	506	109	523
Electric switch	N. Marshall	754,379	Mar. 8	2320	506	109	524
Electric switch	N. Marshall	754,380	Mar. 8	2321	507	109	524
Electric switch	A. P. Peck	755,165	Mar. 22	3828	846	109	889
Electric switch	P. Sorensen	756,541	Apr. 5	684	147	109	1487
Electric switch	G. H. Whittingham	757,853	Apr. 19	3283	711	109	3077
Electric switch	C. F. Hopewell	757,925	Apr. 19	3418	712	109	3107
Electric switch	A. R. Fergusson	758,306	Apr. 26	4202	904	109	2299
Electric switch	J. H. Rusby	758,478	Apr. 26	4520	971	109	2369
Electric switch	H. O. Baer	759,586	May 10	2034	416	110	479
Electric switch	M. von Recklinghausen	759,915	May 17	2674	562	110	696
Electric switch	E. R. Dull	760,387	May 17	3573	755	110	838
Electric switch	H. P. Ball	760,608	May 24	4001	851	110	951
Electric switch	F. Stevens	760,815	May 24	4461	950	110	1048
Electric switch	H. P. Ball	761,133	May 31	5110	1085	110	1266
Electric switch	W. S. Tobie	763,520	June 28	3753	731	110	1319
Electric switch	J. F. Hardy	764,189	July 5	3573	109	111	122
Electric switch	J. L. Steeb	764,505	July 5	1286	252	111	268
Electric switch	A. E. Handy	767,052	Aug. 9	1883	394	111	1480
Electric switch	C. F. Hopewell and C. H. Morse	767,889	Aug. 16	3520	745	111	1856
Electric switch	G. J. Schneider	769,116	Aug. 30	6113	1278	111	2472
Electric switch	J. C. Keller and O. F. Kadow	769,698	Sept. 13	1074	230	112	262
Electric switch	E. L. Gale, Sr.	771,230	Oct. 4	83	7	112	968
Electric switch	C. E. Lombard	771,313	Oct. 4	179	39	112	990
Electric switch	F. Mackintosh	771,989	Oct. 11	1549	347	112	1303
Electric switch	A. G. Bodine	773,464	Oct. 25	4609	993	112	2040
Electric switch	W. L. Bradshaw	773,467	Oct. 25	4705	994	112	2040
Electric switch	I. G. Waterman	775,016	Nov. 15	2912	622	113	688
Electric switch	I. G. Waterman	775,052	Nov. 15	2980	634	113	705
Electric switch	I. G. Waterman	775,053	Nov. 15	2981	634	113	705
Electric switch	I. G. Waterman	775,055	Nov. 15	2985	635	113	706
Electric switch	I. H. Parsons	775,933	Nov. 29	4847	1026	113	1159
Electric switch	W. S. Levin	776,521	Dec. 6	89	21, 22	113	1444
Electric switch	G. B. Low	776,522	Dec. 6	93	22	113	1446
Electric switch	W. Kingsland	776,849	Dec. 6	782	170	113	1598
Electric switch	E. A. La Har	776,855	Dec. 6	798	173	113	1602
Electric switch	T. A. Cameron	776,998	Dec. 6	1074	233	113	1665
Electric switch	W. J. Murray	777,801	Dec. 20	2835	580	113	2035
Electric switch	W. J. Lloyd and H. C. White	778,055	Dec. 20	3168	697	113	2141
Electric switch and circuit-breaker	C. E. Carpenter	768,214	Aug. 23	4257	895	111	2099
Electric switch and circuit-breaker	A. J. Horton	768,227	Aug. 23	4287	902	111	2045
Electric switch and signal apparatus	L. Griffith	776,238	Nov. 29	5470	1158	113	1303
Electric switch, Automatic	J. I. Ayer	773,182	Oct. 25	4127	871	112	1917
Electric switch for high potentials	G. Wright	761,743	June 7	236	45, 46	110	1490
Electric switch or circuit-breaker	E. M. Hewlett	755,771	Mar. 29	5001	1112	109	1157
Electric switch, Pressure-controlled	W. J. Pugh	765,039	July 12	2312	480	111	520
Electric switch, Pressure-controlled	W. J. Pugh	765,040	July 12	2313	481	111	521
Electric switch, Quick-break high-tension	H. K. Gardner	778,575	Dec. 27	4187	913	113	2378
Electric switch, Rotary snap	M. Guett	751,728	Feb. 9	1742	394	108	1445
Electric switch time-limit device	S. B. Stewart, Jr.	709,572	Sept. 6	839	180	112	190
Electric switches and making same. Clip for	C. C. Badeau	771,222	Oct. 4	6	6	112	962
Electric switches or the like. Means for protect-	W. McDevitt	767,830	Apr. 19	3241	703	109	2068
Electric testing-clip	H. Frankel	775,284	Nov. 15	3508	739	113	831
Electric time-alarm	T. L. Bear	750,569	Jan. 26	4009	867	108	937
Electric time-alarm	E. M. Benesch	754,410	Mar. 15	2400	525	109	559
Electric time-alarm	W. H. Robins and J. F. Jacoby	771,748	Oct. 4	1027	230	112	1178
Electric time-switch	J. Dilham and E. de Mersanne	755,281	Mar. 22	4042	896	109	932
Electric time-switch	F. W. Cherry and H. F. Radke	755,845	Mar. 29	5151	1138	109	1194
Electric time-switch	H. C. Little	758,084	Apr. 26	3748	815	109	2197
Electric time-switch	G. C. Nylander	765,632	July 19	3450	728	111	781
Electric time-switch	A. W. Hutchins	766,295	Aug. 2	240	46	111	1093
Electric time-switch	B. Dubinski	773,485	Oct. 25	4745	1001	112	2050
Electric time-switch	J. E. Yates	774,019	Nov. 1	961	213	113	919
Electric time-switch	H. K. Gardner	775,035	Nov. 15	2886	617	113	682
Electric time-switch	C. S. Moore	774,944	Nov. 22	4676	990	113	1104
Electric time system	D. Perret	768,908	Aug. 30	5592	1197	111	2379
Electric transmission mechanism	C. G. Simonds	776,557	Dec. 6	177	40	113	1465
Electric transmission system	C. G. and E. J. Burke	775,415	Nov. 22	3797	804	113	916
Electric transmitter	A. J. Murday and A. E. Smith	763,501	June 28	3747	809	110	2314
Electric tube-lighting	D. M. Moore	753,306	Mar. 22	4085	904	109	940

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Electric vacuum discharge-tube.	M. Krouchkoll	751,304	Feb. 2	1000	226	108	1270
Electric-wire-recording apparatus.	L. T. Robinson	768,963	Aug. 30	5784	127	111	2400
Electric-wire conduit.	C. C. Sibley and G. A. Lutz	776,556	Dec. 6	175	40	113	1465
Electric-wire-conduit bond.	G. A. Lutz	749,391	Jan. 12	1735	365	108	411
Electric-wire-conduit elbow.	G. A. Lutz	749,392	Jan. 12	1727	366	108	411
Electric-wire coupling.	R. G. Castillo	760,305	May 17	3430	723	110	805
Electric-wire tip or terminal.	S. C. Houghton	757,192	Apr. 12	180	423	109	1773
Electric wires in buildings. Junction-box for.	B. W. Allen	734,111	Mar. 8	1760	393	109	409
Electric wires. Securing.	A. Kline	749,867	Jan. 19	2670	571	108	631
Electric wires. Universal floor-box for the distribution of.	F. Fountain, Jr.	760,326	May 17	3471	730	110	815
Electric-wiring cleat.	E. C. Hunt	758,398	Mar. 1	396	74	109	74
Electric-wiring cleat.	E. C. Hunt	776,514	Dec. 6	75	18	113	1441
Electrical accumulator.	C. P. Elieson and V. de Bobinsky. (Reissue.)	12,195	Jan. 26	4460	960	108	1038
Electrical accumulator.	A. J. B. M. Colletas	762,803	June 14	2358	514	110	1968
Electrical apparatus.	F. Burks and C. Rohlfis	768,581	Aug. 30	5784	1053	111	2229
Electrical apparatus. Alternating-current.	C. P. Scott	763,203	July 19	2616	546	111	603
Electrical-apparatus coil.	J. W. Farley	776,654	Dec. 6	375	81	113	1511
Electrical apparatus. Ventilated coil for.	N. J. Neall	772,288	Oct. 11	2174	475	112	1444
Electrical apparatus. Winding for.	J. W. Farley	776,653	Dec. 6	373	81	113	1511
Electrical appliance.	P. H. Fielding	761,465	May 31	5742	1225	110	1346
Electrical battery.	J. E. Lord	762,425	June 14	1573	345	110	1300
Electrical battery.	F. E. Haschke	762,715	June 14	2189	476	110	1331
Electrical choke-coil.	G. S. Carson	769,057	Aug. 30	5997	1256	111	2447
Electrical-circuit protective device.	F. B. Cook	774,153	Nov. 8	1220	261	113	292
Electrical conductor.	W. H. Wherry	750,500	Jan. 26	3883	842	108	913
Electrical conductor.	P. A. McGeorge	759,119	May 3	1052	214	110	239
Electrical conductor and coil.	J. C. Anderson	753,461	Mar. 1	452	106	109	99
Electrical-conductor conduit.	H. Krantz	758,714	Mar. 1	961	217	109	207
Electrical conductors. Device for removing sleet, ice, &c. from.	D. D. Miles	765,781	July 26	3803	810	111	867
Electrical conductors. Means for movably contacting.	F. G. Walker	761,928	June 7	630	127	110	1579
Electrical conduit.	J. B. McGinley	770,303	Sept. 20	2239	467	112	540
Electrical conduit.	A. Fellheimer	772,350	Oct. 18	2816	507	112	1497
Electrical connection.	E. G. Thomas	753,759	Mar. 1	1038	236	109	223
Electrical connection.	E. A. G. Street	764,391	July 5	993	201	111	320
Electrical connection.	F. J. Russell	774,202	Nov. 8	1200	276	113	311
Electrical connector.	P. H. Fielding	770,054	Sept. 13	1732	366	112	408
Electrical connector.	H. Krantz and E. W. Müller	773,681	Dec. 27	4389	959	113	2423
Electrical contact device.	J. Lindall	755,782	Mar. 29	5020	1116	109	1161
Electrical controller and brake-operating device.	W. W. Tice	751,120	Feb. 2	616	143	108	1191
Electrical-controller attachment.	A. H. Mathewson	773,213	Oct. 25	4197	888	112	1332
Electrical controlling apparatus.	J. D. Ihlder	749,439	Jan. 12	1821	383	108	430
Electrical controlling apparatus.	G. H. Hill	778,242	Dec. 27	3519	774	113	2235
Electrical converter.	W. B. Churcher	767,103	Aug. 9	2000	416	111	1505
Electrical coupling.	F. J. Sprague	774,611	Nov. 8	2033	448	113	472
Electrical currents. Transforming.	A. L. Parcellle	773,680	Oct. 18	3538	627	112	1613
Electrical cut-out.	C. B. McPherson	749,085	Jan. 5	1080	225	108	248
Electrical distribution and control system.	L. Lyndon	761,895	June 7	571	114	110	1567
Electrical-distribution means.	J. L. Creveling	774,429	Mar. 15	2445	533	109	569
Electrical-distribution system.	J. H. Hallberg	730,451	Jan. 26	3774	820	108	889
Electrical-distribution system.	N. W. Rogers	751,016	Feb. 2	492	102	108	1152
Electrical-distribution system.	J. S. Peck	751,549	Feb. 9	1411	322	108	1373
Electrical-distribution system.	H. W. Buck	755,740	Mar. 29	4926	1097	109	1141
Electrical-distribution system.	L. L. Holladay	755,775	Mar. 29	5011	1114	109	1159
Electrical-distribution system.	J. S. Peck	753,683	May 3	151	32, 33	110	37
Electrical-distribution system.	J. S. Peck and J. W. Farley	760,480	May 24	3529	796	110	806
Electrical-distribution system.	W. A. Turbayne	760,714	May 24	4245	902	110	1008
Electrical-distribution system.	C. F. Steinmetz	764,213	July 5	626	127	111	139
Electrical-distribution system.	J. H. Hallberg	767,477	Aug. 16	2719	571	111	1679
Electrical-distribution system.	W. L. R. Emmet	763,991	Sept. 13	1637	346	112	838
Electrical-distribution system.	R. N. Chamberlain	771,710	Oct. 4	959	215	112	1165
Electrical-distribution system.	J. H. Hallberg	772,096	Oct. 11	1782	396	112	1357
Electrical-distribution system.	W. L. Bliss	773,917	Nov. 1	774	162	113	178
Electrical-distribution system.	F. M. Lincoln	774,764	Nov. 15	2395	517	113	570
Electrical-distribution system.	B. J. Arnold	776,374	Nov. 29	5705	1207	113	1357
Electrical-disturbance detector.	J. C. Bose	755,840	Mar. 29	5137	1136	109	1191
Electrical drive for centrifugals.	W. L. D'Olier	762,988	June 21	2718	590	110	2068
Electrical energy. Accumulating and using.	A. G. Betts	759,065	May 3	941	191	110	215
Electrical energy. Apparatus for wirelessly transmitting.	D. W. Troy	776,876	Dec. 6	838	180	113	1611
Electrical energy. Converting fuel energy into.	H. Jone	775,472	Nov. 22	3918	828	113	942
Electrical energy. Converting the energy of fuel into.	H. Jone	764,595	July 12	1429	293	111	329
Electrical energy. Means for converting faint vibrations into.	W. H. Fahrney	749,854	Jan. 19	2552	567	108	627
Electrical exchange. Automatic.	F. A. Lundquist, J. and C. J. Erickson.	763,412	June 28	3585	773	110	2280
Electrical-fixture base.	L. Steinberger	767,846	Aug. 16	3439	775	111	1338
Electrical furnace.	R. M. Polton	759,090	May 17	2658	558	110	632
Electrical generating system.	W. A. Bole	757,436	Apr. 19	2451	535	109	1896
Electrical generation, distribution, and control system.	L. Lyndon and E. A. Sperry	750,471	Jan. 26	3804	826	108	897

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Electrical generation, distribution, and control system.	E. A. Sperry.....	750,497	Jan. 26	3853	837	108	907
Electrical generation, distribution, and control system.	E. A. Sperry.....	750,500	Jan. 26	3868	840	108	910
Electrical generation, distribution, and control system.	L. Lyndon.....	750,549	Jan. 26	3975	860	108	929
Electrical generation, distribution, and control system.	L. Lyndon.....	750,550	Jan. 26	3977	860	108	930
Electrical heat-motor.....	H. Bremer.....	764,518	July 5	1250	257	111	273
Electrical heater.....	L. B. Pemberton.....	764,674	July 12	1609	328	111	368
Electrical illuminating device for show-windows.....	J. H. Goehst.....	753,134	Feb. 23	4188	999	108	2091
Electrical impulses. Apparatus for receiving.....	D. W. Troy.....	774,922	Nov. 15	3722	585	113	643
Electrical impulses. Receiving.....	D. W. Troy.....	773,171	Oct. 25	2975	868	112	1913
Electrical impulses. Selecting.....	D. W. Troy.....	775,050	Mar. 32	4106	1022	109	1051
Electrical impulses. Selecting.....	D. W. Troy.....	775,582	Nov. 15	4594	634	113	704
Electrical impulses. Transmission of.....	J. S. Richmond.....	738,106	Apr. 26	3790	823	109	2208
Electrical impulses. Transmission of.....	J. S. Richmond.....	738,598	Apr. 26	4766	1026	109	2425
Electrical indicator.....	L. H. and G. H. Sanford.....	708,240	Aug. 23	4307	907	112	2351
Electrical indicator.....	W. J. Forrest, Jr.....	770,330	Sept. 13	2061	494	112	479
Electrical induction-machine.....	H. Lippelt.....	756,793	Apr. 5	1151	254	109	1590
Electrical machine.....	O. S. Bragstad and J. L. La Cour.....	772,400	Oct. 18	2408	528	112	1517
Electrical-machine brush-holder.....	W. H. Foot.....	753,866	Mar. 8	1305	293	109	302
Electrical-machine brush-holder.....	B. G. Lamme.....	758,669	May 3	128	26	110	32
Electrical-machine brush-holder.....	R. Siegfried.....	765,207	July 19	2025	548	111	605
Electrical-machine coil-retaining means.....	I. De Kaiser.....	765,228	July 19	4310	907	111	1778
Electrical-machine frame.....	F. A. Poodt.....	778,738	Dec. 27	4604	1005	113	2472
Electrical-machine rocker-ring.....	E. R. Norris.....	761,985	June 7	730	149	110	1599
Electrical machine. Static.....	C. F. Birtman.....	777,833	Dec. 20	2700	594	113	2048
Electrical machines. Winding for.....	F. J. Lindeman.....	753,778	Mar. 1	117	29	109	29
Electrical oscillations of different phases. Producing quick.....	F. Braun.....	776,380	Nov. 29	5425	1211	113	1861
Electrical outlet-box.....	E. W. Müller.....	776,693	Dec. 27	4703	963	113	2427
Electrical plug and receptacle.....	G. W. Goodridge.....	754,863	Mar. 15	3290	719	109	756
Electrical quick-return system.....	R. H. Stevens and S. S. Wales.....	766,071	July 26	4334	929	111	982
Electrical receptacle.....	P. H. Fielding.....	752,834	Feb. 23	3897	873	108	1957
Electrical register and system therefor.....	L. A. Schmidt.....	773,408	Nov. 22	3775	799	113	911
Electrical regulating mechanism.....	A. B. Walton.....	761,117	May 31	5082	1079	110	1200
Electrical regulator. Automatic.....	E. Levison.....	767,703	Aug. 16	3161	561	111	1778
Electrical resistance.....	G. I. Leonard.....	760,075	May 17	3264	694	110	707
Electrical selecting or individualizing instrument.....	W. S. Burnett.....	768,558	Aug. 23	4953	1036	111	2196
Electrical selective apparatus.....	F. D. Pearne and C. L. Krum.....	754,689	Mar. 15	2957	646	109	678
Electrical switch.....	F. L. Faurote.....	750,600	May 10	3055	423	110	484
Electrical switch.....	H. W. Cox.....	770,166	Sept. 13	1930	412	112	451
Electrical testing apparatus.....	W. J. Kyle.....	772,944	Oct. 25	3463	755	112	1767
Electrical-transformer controller.....	G. E. Gaiffe.....	765,236	July 19	2672	556	111	615
Electrical uses. Resistance for.....	J. F. Tracy.....	763,812	June 28	4350	945	110	2442
Electrical variations. Means for reproducing.....	P. C. Hewitt.....	749,791	Jan. 19	3540	540	108	603
Electrical variations. Reproducing.....	P. C. Hewitt.....	749,792	Jan. 19	2541	540	108	603
Electrical vibrations. Administering.....	F. H. Brown.....	750,584	Jan. 26	4087	872	108	943
Electrical waves. Apparatus for reducing attenuation of.....	M. I. Pupin.....	761,905	June 7	747	153	110	1602
Electrical-wire station.....	W. E. Hamilton.....	756,850	Apr. 12	1271	283	109	1630
Electrically-conductive coil and constructing same.....	V. G. Apple.....	762,111	June 7	954	197	110	1644
Electrically-conductive coil and constructing same.....	V. G. Apple.....	762,112	June 7	955	197	110	1644
Electrically-controlled switch.....	W. H. Hillyer.....	760,988	May 24	4789	1018	110	1118
Electrically-operated apparatus.....	C. E. Sedgwick and W. H. Abbott.....	767,599	Aug. 16	2975	622	111	1238
Electrically treating materials.....	W. S. Franklin.....	775,031	Nov. 18	2940	627	113	695
Electrically-wound mechanism. Liquid-contact chamber for.....	P. L. Clark.....	774,728	Nov. 8	2322	501	113	585
Electrician's tool.....	H. H. Hutchings.....	756,857	Apr. 12	1281	285	109	1632
Electricity. Apparatus for registering the supply of.....	C. Kapp.....	771,307	Sept. 27	3964	843	112	942
Electricity from paper, &c. Apparatus for removing static.....	W. H. Chapman.....	777,599	Dec. 13	2244	493	113	1936
Electricity from paper, yarn, &c. Removing static.....	W. H. Chapman.....	777,598	Dec. 13	2242	492	113	1936
Electricity-generating apparatus.....	A. C. Kloman.....	761,971	June 7	703	144	110	1593
Electricity-meter.....	M. Kallmann.....	759,286	May 10	1456	290	110	353
Electricity-meter.....	C. Clerici.....	764,112	July 5	404	78	111	2195
Electricity-meter.....	A. Blanchet.....	768,557	Aug. 23	4951	1035	111	2195
Electricity-meter.....	A. Blanchet.....	778,101	Dec. 20	3250	713	113	2158
Electricity-meter prepayment mechanism.....	B. North.....	767,495	Aug. 16	2772	579	111	1692
Electricity on railway or other vehicles. Generating and distributing.....	F. J. Beaumont.....	774,029	Nov. 1	983	206	113	223
Electrochemical-apparatus connector.....	O. P. Fritchle.....	768,175	Aug. 23	4179	878	111	2022
Electrode.....	R. Hager.....	749,185	Jan. 12	1292	278	108	316
Electrode.....	G. J. Atkins.....	753,819	Mar. 1	1209	272	109	250
Electrode.....	F. J. Briggs.....	776,490	Dec. 6	20	5	113	1428
Electrode and making same. Storage-battery.....	E. A. Sperry.....	773,685	Nov. 1	295	70	113	70
Electrode and producing storage-battery electrodes.....	F. A. Feldkamp.....	749,855	Jan. 19	2653	567	108	637
Electrode. Battery.....	A. C. Wood and J. A. McMullan.....	770,140	Sept. 13	1884	400	112	440
Electrode clamp. Battery.....	E. G. Lodge.....	773,249	Oct. 25	4260	901	113	1946
Electrode for electric tube-lamps.....	D. M. Moore.....	749,999	Jan. 19	2333	626	108	688
Electrode for therapeutical purposes.....	W. B. Bassell.....	768,721	Aug. 30	5320	1120	111	2294

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Electrode for vapor electric apparatus	P. C. Hewitt	758,650	May 3	81	17	110	92
Electrode. High-tension therapeutic	M. R. Rodrigues	752,419	Feb. 16	3993	686	108	1763
Electrode. Secondary-battery	C. J. Reed	759,550	May 10	1969	402	110	466
Electrode. Self-contained hand	T. B. Kinraide	774,760	Nov. 15	2389	515	113	568
Electrode. Storage-battery	J. von der Poppenburg. (Zeissue).	12,228	June 7	1239	267	110	1709
Electrode. Therapeutic	G. H. Day and F. J. Stein	778,308	Dec. 27	3662	799	113	2305
Electrode. Ultra-violet-ray	C. F. W. Horn	753,183	June 21	3107	660	110	2154
Electrode waste in gas or vapor electric devices.	H. P. Thomas	770,198	Sept. 13	2008	424	112	468
Replenishing							
Electrodes for batteries. Manufacturing hard porous	H. P. R. L. Pörscke and G. A. Wedekind.	760,561	May 24	3924	-----	110	934
Electrodes for storage batteries. Producing	F. A. Feldkamp	748,940	Jan. 5	749	-----	108	170
Electrodes for storage-battery cells. Preparing	O. Frank	753,883	Mar. 1	299	-----	109	68
Electrodes of arc-lamps. Manufacture of	M. Lilienfeld	769,003	Aug. 30	5886	1235	111	2423
Electrodes. Preparing	G. J. Atkins	754,114	Mar. 8	1787	-----	109	410
Electrodynamic generator	G. M. Pelton	753,429	Mar. 1	395	92	109	86
Electrogoniometer	A. Grammont	756,846	Apr. 12	1261	1281	109	1029
Electroheater	E. R. Waterman	758,946	May 3	738	146	110	171
Electroliter. Adjustable	G. Andersen	749,138	Jan. 5	1186	1253	108	274
Electrolytic apparatus	H. S. Blackmore	759,798	May 10	2449	513	110	570
Electrolytic apparatus	H. S. Blackmore	759,799	May 10	2452	514	110	570
Electrolytic apparatus	W. J. Schweitzer	767,964	Aug. 16	3675	775	111	1889
Electrolytic apparatus	A. Brichaux	774,230	Nov. 8	1350	287	113	321
Electrolytic deposition apparatus	W. J. and J. H. Jory	757,557	Apr. 19	2699	590	109	1949
Electrolytic meter	H. L. Wood	770,033	Sept. 13	1659	360	112	401
Electromagnet	L. Frank E. W. Timmis	750,132	Jan. 19	3179	684	108	739
Electromagnet	J. C. Keller and O. F. Kadow	752,345	Feb. 16	2942	655	108	1732
Electromagnet	W. D. Gregory	753,879	Mar. 8	1328	299	109	307
Electromagnet	H. W. Chamberlain	758,236	Apr. 26	4038	877	109	2261
Electromagnet	D. L. Lindquist	764,008	July 12	1461	286	111	330
Electromagnet	W. W. Brown	765,550	July 19	3205	628	111	751
Electromagnet	W. Meyer	775,145	Nov. 15	3173	674	113	748
Electromagnet. Iron-clad	D. Perret, Jr	771,323	Oct. 4	203	44	112	1005
Electromagnet locking device	W. Paxter, Jr	766,865	Aug. 9	1524	318	111	1398
Electromagnetic apparatus	J. N. Mahoney	777,039	Dec. 6	1161	252	113	1665
Electromagnetic apparatus for operating reciprocating mechanisms.	J. Feingold	778,021	Dec. 20	3104	682	113	2128
Electromagnetic brake	J. S. Lockwood	750,207	Jan. 19	3308	715	108	766
Electromagnetic brake	R. C. Lowry	775,634	Nov. 22	4659	987	113	1161
Electromagnetic brake	R. C. Lowry	775,835	Nov. 22	4661	988	113	1162
Electromagnetic device	E. K. Müller	754,681	Mar. 15	2942	642	109	675
Electromagnetic separator	M. Dings	755,282	Mar. 22	4046	897	109	933
Electromagnetic signal	W. U. Colthar	753,865	Mar. 1	268	59	109	59
Electromagnetic signal	F. R. McBerty and F. H. Loveridge	762,490	June 14	1538	346	110	1802
Electromagnetic switch	S. B. Stewart, Jr	768,549	Aug. 23	4938	1034	111	2193
Electromagnetic switch and signal	S. B. Stewart, Jr	768,350	Aug. 23	4513	949	111	2005
Electromagnetic waves. Adjustable bolometer detector for	C. K. Sallsbury	778,275	Dec. 27	3601	787	113	2253
Electromagnetic waves. Apparatus for increasing the effective radiation of	J. S. Stone	767,974	Aug. 16	3708	781	111	1897
Electromagnetic waves. Increasing the effective radiation of	J. S. Stone	767,973	Aug. 16	3702	779	111	1896
Electromassage device	L. J. Chapman	764,949	July 5	889	181	111	195
Electromedical apparatus	W. Hirschhorn and F. Lowenstein.	776,062	Nov. 29	5118	1083	113	1321
Electromedical appliance	S. H. Linn	770,014	Sept. 13	1670	355	112	395
Electromotors and for regulating purposes. Apparatus for automatically starting	C. J. Thoresen	777,759	Dec. 20	2532	560	113	2014
Electroplating apparatus	W. R. King	772,102	Oct. 11	1791	898	112	1359
Electroplating isolated designs on vitreous surfaces.	L. Blower	774,976	Nov. 15	2837	604	113	671
Electroplating-machine	J. Bailey	770,148	Sept. 13	1898	403	112	444
Electropneumatic brake	J. W. Cloud	761,360	May 31	5564	1184	110	1306
Electropneumatic system of driving	J. Sahulka	755,173	Mar. 22	3945	849	109	892
Electros, zincs, or half-tones. Machine for dressing	F. Murphy	771,739	Oct. 4	1002	294	112	1173
Electrostatic instrument	F. H. Bowman	771,968	Oct. 11	1501	339	112	1292
Electrotherapeutic device	C. K. Munns	753,509	Mar. 1	585	125	109	118
Electrotherapeutic instrument	J. W. Shryock	765,150	July 12	2530	529	111	565
Electrothermic and vacuum appliance	C. C. F. Nieschang	774,529	Nov. 8	1905	413	113	441
Electrotype-plates. Mechanism for holding	W. H. Eberhard	757,603	Apr. 19	2794	611	109	1971
Electrotyping and manufacturing same. Molding for use in	W. H. Welsh	752,493	Feb. 16	3218	719	108	1790
Elevating and dumping platform	W. H. Flannery	766,817	Aug. 9	1430	299	111	1378
Elevator:							
See Bucket elevator.	Fruit-elevator.						
Can-elevator.	Grain-elevator.						
Car-elevator.	Grain or hay elevator.						
Centrifugal elevator.	Harvester-elevator.						
Coal-elevator.	Liquid-elevator.						
Cotton-elevator.	Plunger-elevator.						
Dumping-elevator.	Pneumatic elevator.						
Electric elevator.	Portable elevator.						
Endless elevator.	Sidewalk-elevator.						
Fluid-elevator.	Walking elevator.						
Folding and transportable elevator.	Water-elevator.						
Elevator.	N. Hiss	749,198	Jan. 12	1311	281	108	322
Elevator.	J. W. Reno	751,999	Feb. 9	2297	514	108	1568

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Elevator	J. Rice	752,900	Feb. 23	3823	858	108	1943
Elevator	D. E. Condon	755,361	Mar. 22	4198	928	109	967
Elevator	G. Thalen	756,735	Apr. 5	1040	231	109	1565
Elevator	M. Gigler	757,108	Apr. 12	1785	391	109	1738
Elevator	P. F. Foley	750,067	May 3	989	201	110	224
Elevator	A. Kiddie	759,720	May 10	2285	472	110	534
Elevator	J. J. Schwob	761,011	May 21	4832	1026	110	1128
Elevator	G. Visco	763,946	June 28	4508	1005	110	2496
Elevator	J. Rice	765,752	July 26	3723	794	111	851
Elevator	J. Rice	765,791	July 26	3817	815	111	869
Elevator	E. C. Northrup	766,515	Aug. 2	759	159	111	1206
Elevator	A. Winiarski	770,622	Sept. 20	2820	599	112	669
Elevator	H. R. Wellman	772,074	Oct. 11	1736	387	112	1347
Elevator	J. J. Carr	775,234	Nov. 15	3410	719	113	810
Elevator	E. Altman	776,980	Dec. 6	1035	223	113	1657
Elevator	H. A. Henderson	777,416	Dec. 13	1865	411	113	1855
Elevator	T. Stifter	777,558	Dec. 13	2147	469	113	1916
Elevator apparatus	J. B. Honor	767,888	Aug. 16	3518	745	111	1856
Elevator apparatus. Electric	E. R. Carichoff	772,068	Oct. 11	1759	392	112	1352
Elevator attachment	C. Christiansen	763,960	July 5	21	5	111	8
Elevator automatic door-lock	A. B. See	759,479	May 10	1832	369	110	436
Elevator-belt automatic attachment	J. B. Soule	765,151	July 12	2533	530	111	565
Elevator-bin	J. A. Jamieson	777,730	Dec. 20	2479	547	113	2003
Elevator-boots. Device for relieving choke in	I. Lutz	749,071	Jan. 5	1050	222	108	242
Elevator-brake	G. E. Carnes	750,597	Jan. 26	4058	878	108	947
Elevator brake mechanism	A. Sundh	757,780	Apr. 19	3170	680	109	2054
Elevator-bucket	W. G. Avery	751,138	Feb. 2	653	151	108	1199
Elevator-bucket	W. G. Avery	764,975	July 12	2208	456	111	499
Elevator-cable drum	P. M. Williams	761,120	May 31	5087	1080	110	1201
Elevator-cam	W. Humphreys	751,173	Feb. 2	728	167	108	1213
Elevator-car-arresting means	P. F. Hallock	751,504	Feb. 9	1328	303	108	1360
Elevator cars and counterweights. Safety-catch for	H. F. Gurney	763,976	July 5	96	15	111	30
Elevator-carriage roller-bearing	J. Barrett	755,344	Mar. 22	4173	929	109	960
Elevator-controlling mechanism. Automatic	J. F. Murphy	776,077	Nov. 29	5151	1088	113	1229
Elevator-door	E. McClure	749,395	Jan. 12	1732	367	108	412
Elevator-door	H. Bitner	756,321	Apr. 5	252	52	109	1397
Elevator-door lock	F. W. Tobey	762,435	June 14	1643	355	110	1815
Elevator-door-locked controller	C. O. Harker	753,572	Mar. 1	684	154	109	150
Elevator-door-locking mechanism	J. S. Mucklé	770,601	Sept. 20	2781	591	112	661
Elevator-door opening or closing device	H. M. Jenkins	763,184	June 21	3110	669	110	2155
Elevator-door-operating mechanism	H. Bitner	772,917	Oct. 25	3437	746	112	1757
Elevator-doors. Locking and interlocking attachment for sidewalk	C. F. Stevens	753,485	May 10	1846	375	110	439
Elevator driving-gearing	P. H. Jackson	763,609	June 28	3933	856	110	2354
Elevator electrohydraulic valve mechanism	E. M. Fraser	762,698	June 14	2152	468	110	1924
Elevator-fender	H. F. Hinman	764,240	July 5	672	137	111	150
Elevator-gate	H. L. Conary	748,702	Jan. 5	288	65	108	63
Elevator-gate	C. C. Schreiber	755,397	Mar. 22	4273	944	109	983
Elevator-gate	M. Kaw	764,130	July 5	433	85	111	94
Elevator-gate	F. A. Swenson	767,850	Aug. 16	3447	739	111	1839
Elevator-gate automatic danger-signal	C. T. Eaton	777,612	Dec. 13	2268	498	113	1940
Elevator-gate-lifting device	J. O. Lee	751,796	Feb. 9	1870	426	108	1473
Elevator-hatchway-door locks. Means for controlling the operation of	A. Magnuson and T. Eskillson	751,799	Feb. 9	1878	437	108	1475
Elevator-hatchways. Automatic closure for	J. W. McGhee	760,139	May 17	3125	654	110	738
Elevator hoisting-gear	A. Sundh	757,788	Apr. 19	3169	688	109	2053
Elevator hoisting mechanism	H. Rowntree	778,073	Dec. 20	3198	704	113	2147
Elevator-lock	R. J. Roulo	778,550	Dec. 27	4140	902	113	2369
Elevator-lock	R. J. Roulo	778,551	Dec. 27	4142	902	113	2369
Elevator locking mechanism. Electrically-controlled	J. S. Mucklé	762,186	June 7	1036	229	110	1675
Elevator-operating mechanism	M. J. Daly	757,181	Apr. 12	1999	424	109	1774
Elevator or hoist	C. A. Juhl	768,902	Aug. 30	5681	1194	111	2377
Elevator or mining-cage safety appliance	W. P. Ward	766,404	Aug. 2	524	111	111	1155
Elevator-retarding device. Automatic	C. P. Hall	753,569	Mar. 1	675	132	109	149
Elevator-retarding device. Automatic	C. P. Hall	753,570	Mar. 1	678	132	109	149
Elevator rope gearing	C. I. Hall	772,736	Nov. 1	384	85	113	91
Elevator safety apparatus	M. Hanford	773,135	Feb. 23	4490	1000	108	2091
Elevator safety apparatus	S. B. Trapp	755,189	Mar. 22	3874	855	109	897
Elevator safety appliance	J. Cruickshank and C. S. Burnham	754,432	Mar. 15	2453	534	109	571
Elevator safety appliance	S. H. McCarroll	756,685	Apr. 5	937	206	109	1543
Elevator safety appliance	A. Froussard	762,398	June 14	1506	329	110	1785
Elevator safety appliance	H. J. Cook	770,560	Sept. 20	2713	574	112	646
Elevator safety appliance	P. G. Grobengieser	776,866	Nov. 1	659	132	113	182
Elevator safety appliance and speed-controlling apparatus	T. Eskillson	767,990	Aug. 16	3596	761	111	1872
Elevator safety appliance. Sidewalk-	M. Griffin	764,236	July 5	667	135	111	148

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Elevator safety-appliance system. Electrically-actuated.	H. G. Wright.	749,416	Jan. 12	1770	374 875	108	480
Elevator safety attachment.	G. G. Little.	757,324	Apr. 13	2226	487	109	1822
Elevator safety attachment.	A. Matter.	777,296	Dec. 13	1623	360	113	1802
Elevator safety-catch.	H. F. McDonald	751,328	Feb. 2	1038	235	108	1279
Elevator safety-clutch.	A. Whelan	777,166	Dec. 13	1890	307	113	1751
Elevator safety-clutch.	A. Whelan	778,616	Dec. 27	4273	383	113	2397
Elevator safety device.	J. Nameche	751,330	Feb. 2	1041	236	108	1279
Elevator safety device.	F. Blanding	755,736	Mar. 29	4917	1005	109	1139
Elevator safety device.	C. W. Baldwin.	756,811	Apr. 12	1190	284	109	1615
Elevator safety device.	C. N. Pollock	758,470	Apr. 26	4507	969	109	2366
Elevator safety device.	F. Kocak	762,240	June 7	1186	254	110	1697
Elevator safety device.	U. S. Alz	762,267	June 14	1249	268	110	1732
Elevator safety device.	P. Bending	762,612	June 14	1972	425	110	1885
Elevator safety device.	P. Bremer	763,144	June 21	3034	653	110	2137
Elevator safety device.	A. Perri	764,762	July 12	1777	363	111	405
Elevator safety device.	E. Mosonyi	768,814	Aug. 30	5498	1156 1157	111	2332
Elevator safety device.	J. J. Jordan	771,475	Oct. 4	498	113	112	1064
Elevator safety device.	J. C. Cottle	776,497	Dec. 6	39	10	113	1433
Elevator safety-stop	W. T. Robinson and J. Casey	775,608	Nov. 22	4217	888	113	1008
Elevator-shaft safety-lock	H. F. Gurney and B. E. Westlin	759,703	May 10	2253	466	110	526
Elevator signaling device. Electric.	F. S. Payne.	756,275	Apr. 5	160	109	1377	
Elevator speed-controlled safety-stop	H. M. Young	766,789	Aug. 2	1343	283	111	1340
Elevator-stop. Automatic	F. W. Hackmann	774,751	Nov. 15	2374	512	113	565
Elevator-valves. Mechanism for operating automatic	K. E. O. Jansson.	777,635	Dec. 13	2304	506	113	1948
Elevator-valves. Operation of automatic	K. E. O. Jansson.	777,636	Dec. 13	2307	507 508	113	1949
Elevator-well door	J. Rashkin	756,524	Apr. 5	655	141	109	1480
Elevators. Overflow-vent device for.	C. Bradford	756,207	Apr. 5	24	5	109	1348
Elevators. Separating-head for centrifugal or pneumatic	J. K. Sharpe, Jr.	755,714	Mar. 29	4863	1081	109	1128
Ellipsograph	J. F. Hanlon	758,314	Apr. 26	4216	906	109	2303
Elliptic spring	C. E. Goodyear	770,496	Sept. 20	2593	549	112	619
Embalming-apparatus support. Portable	T. J. Gallagher	772,564	Oct. 18	2730	600	112	1586
Embankment-protecting device.	C. Mankedick.	762,637	Feb. 16	3523	783	108	1859
Embossing-machine	H. S. Maidhof	757,758	Apr. 19	3104	676	109	2038
Embossing-machine	A. Nicolle	777,120	Dec. 13	1333	295	113	1739
Embossing-machine platens. Rotary support for.	H. S. Maidhof	757,759	Apr. 19	3105	676	109	2038
Embossing-machine supporting-roller	A. Bresemann	753,662	Mar. 1	855	193	109	185
Embossing-press.	C. E. Dellenbarger and W. D. Carter	752,762	Feb. 23	3751	887	108	1926
Embossing-press attachment	H. G. Turner	763,521	June 23	3781	816 817	110	2321
Embossing-punch	R. Woodman	758,491	Apr. 26	4555	978	109	2378
Embroidered fabric.	A. Burgess	753,080	Feb. 23	4321	965	108	2057
Embroidering	J. B. Schauder	756,265	Nov. 29	5512	113	113	1312
Embroidering-machine	M. Escuder and A. Forest.	749,044	Jan. 5	987	209	108	230
Embroidering-machine	G. L. Bourquin and R. Loeb	761,028	May 24	4901	1038 1039	110	1141
Embroidering-machine	G. L. Bourquin and R. Loeb	771,000	Sept. 27	3571	732	112	855
Embroidering-machine	A. Laubscher	773,653	Nov. 1	221	49, 50	113	54
Embroidering-machine needle-insertor	C. A. Gonzenbach	764,119	July 5	417	81	111	91
Embroidering-machine trimming mechanism	W. Bowden	768,419	Aug. 23	4685	982	111	2140
Embroidery-hoop	W. J. Reinhart	763,113	June 21	2961	639	110	2121
Embroidery hoop or ring	W. N. Howden	758,535	Apr. 26	4644	1000	109	2397
Embroidery-silk holder	I. L. Thomas	765,720	July 29	3666	782	111	838
Emergency-brake	F. B. Corey	755,750	Mar. 29	4944	1100	109	1145
Emergency-brake	G. E. Carnes	756,579	Apr. 5	747	163	109	1501
Emergency-brake	F. B. Corey	758,173	Apr. 26	3912	850	109	2235
Emergency-brake	G. Macloskie	777,118	Dec. 13	1307	288	113	1733
Emergency-case	J. B. Morris	752,463	Feb. 16	3165	705	108	1779
Emergency-coupling	G. J. Hubbard	770,584	Sept. 20	2750	583	112	654
Emery-wheel	J. W. Clarke	769,957	May 24	4735	1008	110	1107
Emery-wheel-dressing tool.	J. Desmond	750,828	Feb. 2	86	20	108	1076
Enamelled plates in position. Means for securing.	B. Banning	777,650	Dec. 20	2358	518	113	1975
Enamelled-ware-drying apparatus.	T. L. Strong	771,507	Oct. 4	370	128	112	1080
Enamelled ware. Manufacture of.	T. M. Lunan	758,325	Apr. 26	4238	108	109	2307
Enameling device.	E. L. Dawes	759,351	May 10	1592	320 321	110	380
Enameling-kiln	S. S. Jobe	774,478	Nov. 8	1803	390	113	420
Enameling metal	J. F. Pfalzgraf	774,491	Nov. 8	1823	396	113	425
Enameling steelware	H. C. Milligan	762,547	June 14	1852	397	110	1860
End-cell switch	J. W. Achard.	752,942	Feb. 23	4143	922	108	2013
End-gate	J. M. Groff	748,860	Jan. 5	581	132	108	311
End-gate	J. W. Schirmer.	753,167	Feb. 23	4552	1015	108	2105
End-gate	O. B. Reynolds	757,680	Apr. 19	2950	644	109	2007
End-gate	O. B. Reynolds	759,917	May 17	2678	562	110	636
End-gate	A. J. Allen	768,165	Aug. 23	4160	875	111	2018
End-gate fastener	R. W. Barber.	773,776	Nov. 1	455	101	113	107
End-gate fastener	A. Abraham	762,265	June 14	1245	268	110	1731
End-gate fastener	W. C. McDonald	764,754	July 12	1763	360	111	401
End-gate hanger. Wagon.	F. M. Sturgis	768,966	Aug. 30	5810	1220 1221	111	2406
End-gate, shovel-board, and live-stock chute. Combined	W. B. Hanlon	749,187	Jan. 12	1295	279	108	317
End-gate. Vehicle	A. Woerber	765,118	July 12	2461	513	111	551
End-gate. Wagon	E. A. Lampitt	750,376	Jan. 26	3632	788	108	859

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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End-gate. Wagon	C. E. Byington	763,718	June 28	4160	907	110	2403
End-gate. Wagon	P. Gnatzig	770,572	Sept. 20	2723	578	112	551
End-gate. Wagon bucking	B. A. Faust and J. A. Unger	768,739	Aug. 30	3354	1128	111	2302
End-play device for rotary machines	D. Miller	755,787	Mar. 29	5030	1118	109	1163
End post	C. A. Willmarth	755,787	May 19	2532	530	110	588
End-supporting bracket	J. R. Fleming	765,382	July 19	2959	619	111	676
Endless elevator	E. Bousse	776,010	Nov. 29	5032	1061	113	1203
Energy. Means for protection against reversal of.	L. Wilson	769,973	Sept. 13	1587	538	112	374
Engine:							
See Air-engine.	Locomotive-engine.						
Blowing-engine.	Logging-engine.						
Center-fire balance-engine.	Mining-machine engine.						
Compound engine.	Motor-engine.						
Direct-acting engine.	Multiple-cylinder expansion engine.						
Double-speed engine.	Multiple-cylinder expansion fluid-engine.						
Duplicate engine.	Multiple-cylinder expansion fluid-engine.						
Explosion-engine.	Multiple-expansion engine.						
Explosive-engine.	Oscillating-piston engine.						
Fluid-pressure engine.	Paper-pulp-brushing engine.						
Gas-engine.	Petroleum-engine.						
Gas and oil engine.	Portable engine.						
Gas and steam engine.	Pulp-beating engine.						
Gas-motor engine.	Pumping-engine.						
Gas or gasoline engine.	Reciprocating engine.						
Hoisting-engine.	Refining-engine.						
Hot-water and steam heating engine.	Reversing-engine.						
Hydraulic engine.	Rock-drilling engine.						
Hydrocarbon-engine.	Rope-drum engine.						
Hydrocarbon-vapor engine.	Rotary engine.						
Impact-engine.	Rotary explosive-engine.						
Internal-combustion engine.	Rotary gas-engine.						
Internal-combustion engine.	Rotary steam-engine.						
Internal-combustion and air engine.	Steam-engine.						
Internal-combustion or explosive engine.	Steam and explosion engine.						
Internal-combustion or explosive engine.	Steam expansion-engine.						
Internal-combustion or explosive engine.	Steam or gas engine.						
Internal-combustion or explosive engine.	Traction-engine.						
Internal-combustion or explosive engine.	Triple-cylinder engine.						
Internal-combustion or explosive engine.	Turbine-engine.						
Internal-combustion or explosive engine.	Vapor-engine.						
Internal-combustion or explosive engine.	Wind-engine.						
Engine	G. De Laval and G. P. Aborn	750,377	Jan. 26	3633	788	108	859
Engine	A. Russell	750,705	Jan. 26	4249	789	108	988
Engine	J. A. Becher	752,056	Feb. 16	2393	334	108	1608
Engine	C. F. Chandler	754,277	Mar. 8	2083	462	109	473
Engine	E. T. Ford	754,744	Mar. 15	3065	669	109	704
Engine	A. E. Olney	759,510	May 10	1896	381	110	449
Engine	W. D. Edwards	759,828	May 10	2516	526	110	584
Engine	F. M. Overholt	760,069	May 17	2966	619	110	708
Engine	W. K. L. Dickson and G. A. Cuccotti	760,240	May 17	3316	696	110	780
Engine	J. A. Norton	760,318	May 17	3452	727	110	810
Engine	C. W. Benn	762,189	June 7	1089	230	110	1675
Engine	G. R. Kendrick	762,572	June 14	1897	408	110	1869
Engine	C. A. Braden (Reissue)	764,195	July 5	582	115	111	129
Engine	W. S. McKinney	12,255	Aug. 9	2500	523	111	1611
Engine	J. Dodd	768,068	Aug. 23	3927	824	111	1966
Engine	O. P. Underwood	770,566	Sept. 20	2723	576	112	648
Engine	R. M. Shaffer	772,299	Oct. 11	2192	479	112	1448
Engine	T. Officer	773,490	Oct. 25	4761	1004	112	2053
Engine	G. C. Cannon	773,599	Nov. 1	123	26	113	33
Engine	S. A. Reeve	777,914	Dec. 20	2889	636	113	2085
Engine	J. Carney	778,632	Dec. 27	4309	940	113	2405
Engine and compressor. Combined	E. Crowe	757,410	Apr. 19	2306	321	109	1868
Engine and gear casing	R. Jardine	772,214	Oct. 11	2018	444	112	1408
Engine and valve mechanism. Cut-off-operating	C. P. Shertzer	756,831	Apr. 12	1223	275	100	1631
Engine-base clamp	H. R. Simonds	758,114	Apr. 26	3808	827	109	2212
Engine bed-plate. Paper and rag	J. Metzger	771,582	Oct. 4	716	159	112	1111
Engine bushing. Tandem-compound	J. M. Gray	773,576	Nov. 22	3710	788	113	894
Engine controller. Steering	E. Crowe	778,186	Dec. 20	3419	751	113	2194
Engine controlling and governing gear. Pressure	R. Jardine	775,240	Nov. 15	3421	732	113	813
Engine controlling mechanism. Explosive	C. E. Shambaugh	758,076	Apr. 26	3737	812	109	2194
Engine cooler. Gas	J. White	755,399	Mar. 22	4275	944	100	983
Engine cooling attachment. Internal-combustion	A. J. Fisher	752,479	Feb. 16	3191	712	108	1785
Engine cooling device. Explosive	H. Nelson	754,728	Mar. 15	3042	664	109	699
Engine cooling device. Internal-combustion	F. Reaugh	760,531	May 24	3862	819	110	921
Engine cooling means. Explosive	F. J. Wood	750,885	Feb. 2	204	46	108	1103
Engine cooling mechanism. Explosive		772,178	Oct. 11	1947	430	112	1889
Engine coupling. Traction		770,409	Sept. 20	2418	511	112	581

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Engine-crank.....	C. J. Englert.....	776,228	Nov. 29	5456	1154 (1155)	113	1300
Engine crank disk and pin. Steam.....	W. R. Fleming.....	767,877	Aug. 16	3502	740	111	1851
Engine cut-off mechanism. Reversing.....	B. C. Ball.....	738,980	May 3	745	1148	110	173
Engine-cylinder.....	C. F. Hinrichs and J. C. Barker.....	755,873	Mar. 29	5201	1150	109	1204
Engine cylinder-cooling system. Internal-combustion.....	C. W. Hart.....	774,732	Nov. 15	2876	513	113	566
Engine cylinder. Steam.....	L. R. Alleman.....	763,586	June 28	3898	846 847	110	2346
Engine cylinder. Steam.....	A. L. Williams.....	768,105	Aug. 23	4051	852	111	1994
Engine cylinders and pistons. Cooling means for gas.....	N. E. Egge.....	767,556	Aug. 16	2890	604	111	1718
Engine cylinders. Cooling device for explosive.....	C. E. Van Norman.....	761,927	June 7	698	126	110	1578
Engine cylinders. Means for cooling explosive.....	F. H. Marsh and C. W. Nichols.....	738,733	Apr. 8	4327	929	109	2325
Engine drive-wheel. Traction.....	J. J. Mally.....	769,332	Sept. 6	438	97	112	95
Engine driving mechanism.....	J. R. Crow.....	767,385	Nov. 29	5732	1213	113	1382
Engine driving mechanism. Traction.....	H. O. Cloyd.....	733,670	Mar. 1	872	197	109	189
Engine drum. Hoisting, derrick, or similar.....	A. E. Norris.....	763,417	June 28	3039	777	110	2281
Engine electric igniter. Gasoline.....	E. Ford.....	764,908	July 12	3243	463	111	506
Engine electric igniter. Gas.....	R. and J. Cooper.....	773,062	Oct. 25	3792	810	112	1838
Engine exhaust. Explosive.....	A. A. Low.....	751,188	Feb. 9	755	173	108	1218
Engine exhaust-muffler. Explosive.....	D. Ogden.....	763,626	June 28	3963	863	110	2360
Engine feed mechanism. Explosive.....	L. F. Washburne.....	762,965	June 21	2989	582	110	2061
Engine feed-regulator. Gasoline.....	H. H. and C. B. Segner.....	748,900	Jan. 5	856	194	103	199
Engine fly-wheel. Explosion.....	W. B. Hayden.....	764,356	July 5	909	185	111	920
Engine frame. Duplex-pumping.....	S. H. Bunnell.....	771,458	Oct. 4	468	106	112	1058
Engine fuel-injector. Oil.....	N. L. and W. W. Tuck.....	753,079	Mar. 22	3687	809	109	858
Engine gas and air mixer. Gas.....	M. P. Bates.....	770,212	Sept. 13	2027	427	112	473
Engine gas-mixing device. Gas.....	E. Körner.....	768,807	Aug. 30	5474	1153	111	2329
Engine gearing. Traction.....	J. H. and H. D. Kappelmann.....	771,371	Oct. 4	301	66, 67	112	1025
Engine igniter. Explosive.....	A. A. Low.....	753,280	Mar. 1	121	29	109	30
Engine igniter. Gas or gasoline.....	P. P. G. Hall, Jr.....	771,631	Oct. 4	810	180	112	1132
Engine igniter mechanism. Explosive.....	N. E. Hildreth.....	736,961	Apr. 12	1487	328	109	1675
Engine igniting device. Explosive.....	B. B. Kowalski.....	733,226	Mar. 1	18	4	109	6
Engine igniting device. Internal-combustion.....	F. Reichenbach.....	768,707	Dec. 27	4425	969	113	2432
Engine ignition-dynamo. Gas.....	J. Reek.....	768,146	Dec. 20	3338	732	113	2178
Engine indicator. Steam.....	C. B. Josworth.....	752,107	Feb. 16	2650	588	108	1666
Engine indicator. Steam.....	E. Vaughan.....	761,732	June 7	217	48	110	1486
Engine leveling device. Traction.....	F. and W. Holes.....	774,472	Nov. 6	1783	336	113	415
Engine lubricating apparatus.....	E. D. Caldwell.....	768,719	June 28	4163	907	110	2404
Engine mixer and governor. Gas.....	L. H. Nash.....	760,750	May 24	4329	919	110	1020
Engine mixer. Gasoline.....	J. M. Johanson.....	751,292	Feb. 2	967	220	108	1263
Engine mixing-box. Gas.....	L. M. Johnston.....	761,768	June 7	293	58, 59	110	1503
Engine muffler. Gasoline.....	R. W. Brockway and F. J. Meckensturm.....	753,845	Mar. 8	1267	285	109	293
Engine muffler. Hydrocarbon.....	E. L. Russell.....	749,883	Jan. 19	2703	577	108	639
Engine muffler. Internal-combustion.....	F. Lamplough.....	778,417	Dec. 27	3890	847	113	2315
Engine oil-gas generator. Explosive.....	J. L. Lawrence and G. W. Stewart.....	751,928	Feb. 9	2140	483	108	1335
Engine regulating device.....	M. Mutel.....	754,001	Mar. 8	1565	349 350	109	361
Engine reverse motion. Steam.....	F. Meanley.....	748,629	Jan. 5	148	36	108	33
Engine reversing mechanism.....	W. W. Leach.....	765,497	July 19	3214	672	111	731
Engine safety attachment. Hoisting.....	F. W. Lyon.....	774,767	Nov. 15	2400	518	113	371
Engine safety stop device. Stationary-steam.....	C. A. Ott.....	762,249	June 7	1202	258	110	1700
Engine sparking apparatus. Explosive.....	L. H. Fey.....	752,832	Feb. 23	3893	873	108	1957
Engine sparking device. Explosive.....	S. E. Doane.....	771,616	Oct. 4	782	173	112	1126
Engine sparking device. Gas.....	G. J. Murdock.....	753,511	Mar. 1	544	126	109	119
Engine sparking device. Internal-combustion.....	C. E. Sterne.....	776,700	Dec. 6	465	103	113	1530
Engine sparking plug. Combustion.....	C. H. Wisner.....	772,856	Oct. 18	3301	720	112	1710
Engine speed-adjusting device. Fluid-pressure.....	C. Robinson.....	773,898	Nov. 1	731	156	113	168
Engine speed-regulator. Explosion.....	W. C. Tompsett.....	771,511	Oct. 4	576	129	112	1081
Engine speed-regulator. Explosion.....	M. H. Daley.....	776,118	Nov. 29	5226	1104	113	1246
Engine speed-regulator. Explosive.....	C. O. Lucas.....	760,462	May 24	3729	789 790	110	890
Engine speed-regulator. Explosive.....	H. M. McCall.....	761,596	May 31	5972	1283	110	1308
Engine speed-regulator. Explosive.....	J. C. Crocker.....	764,840	July 12	1938	398	111	440
Engine speed-regulator. Explosive.....	H. Soeldner.....	768,866	Aug. 30	5606	1178	111	2358
Engine speed-regulator. Explosive.....	J. S. Losch.....	775,908	Nov. 22	4791	1015	113	1129
Engine speed-regulator. Explosive.....	C. Marx, Jr.....	777,225	Dec. 13	1621	359	113	1802
Engine speed-regulator. Explosive.....	G. Reinhardt.....	778,373	Dec. 27	3807	831	113	2396
Engine starter. Gas.....	G. S. Billman.....	768,506	Aug. 23	4847	1016	111	2173
Engine starter. Gas.....	J. B. Morrison.....	778,261	Dec. 27	3566	782	113	2246
Engine starting attachment. Explosive.....	H. M. Rawl and D. L. Reehl.....	760,116	July 26	4433	950	111	1004
Engine starting device. Explosive.....	J. W. Swan.....	750,318	Jan. 28	3534	763	108	837
Engine starting device. Explosive.....	G. J. Peisting.....	752,412	Feb. 16	3077	682	108	1760
Engine starting device. Gasoline.....	F. Reynolds.....	766,525	Aug. 2	779	164	111	1211
Engine-stop.....	J. H. Cary.....	775,329	Nov. 22	3604	763	113	871
Engine superheater. Traction.....	E. Huber and T. D. Ulrich.....	778,315	Dec. 27	3677	822	113	2268
Engine synchronizer. Duplex.....	E. M. Coryell.....	749,170	Jan. 12	1237	271	108	308
Engine tender. Traction.....	P. H. Sampson.....	750,065	Jan. 19	3062	657 658	108	714
Engine tender. Traction.....	W. S. Kelley.....	752,684	Feb. 23	3615	804	108	1896
Engine vaporizer and igniter. Oil.....	N. L. and W. W. Tuck.....	762,960	June 21	2684	581	110	2060
Engine vaporizer. Explosive.....	J. F. Denison.....	760,834	Apr. 12	1238	276	109	1624
Engine vaporizer. Explosive.....	F. Dickinson.....	758,902	May 3	649	130	110	153
Engine vaporizer. Explosive.....	M. G. White and O. C. Duryea.....	760,673	May 24	4160	884	110	984
Engine vaporizer. Gas.....	W. W. Grant.....	750,451	Jan. 26	3767	819	108	888

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Engine vaporizer. Hydrocarbon.	N. A. Wright	755,093	Mar. 22	3705	814	109	862
Engine vaporizer. Hydrocarbon.	J. J. MacMulklin	759,684	May 10	2115	434	110	496
Engine vaporizer. Hydrocarbon.	E. P. Lamb	776,406	Nov. 29	5768	1221	113	1371
Engine vaporizer. Internal-combustion.	C. J. Everett	768,436	Aug. 23	4719	1989	111	2147
Engine vaporizer. Oil.	D. R. Morrison	771,881	Oct. 11	1322	282	112	1256
Engine wheel. Traction.	H. F. Krueger	749,068	Jan. 5	1046	320	108	241
Engine wheel. Traction.	A. Harrold	755,770	Mar. 29	5000	1112	109	1156
Engine wheel. Traction.	D. T. Spry	771,945	Oct. 11	1464	332	112	1284
Engine whistle attachment. Gas.	W. L. Paul	757,673	Apr. 19	2444	639	109	2008
Engines. Automatic regulating device for explosive or internal-combustion	F. M. Rites	773,839	Oct. 25	4943	942	112	1986
Engines. Combined gas controller and igniter for explosive.	S. Cunningham	750,349	Jan. 26	3690	1777	108	850
Engines. Cooling and lubricating crank-case.	R. L. Bowman	771,703	Oct. 4	941	1778	112	1160
Engines. Cooling attachment for internal-combustion	J. W. Sutton	753,013	Feb. 23	4273	932	108	2043
Engines. Electric igniter for explosive.	W. B. Hayden	772,295	Oct. 11	2074	454	112	1421
Engines. Electric igniter for gas.	H. J. Smith	757,004	Apr. 12	1699	369	109	1720
Engines. Electric sparking igniter for explosive.	W. J. Hart	753,735	Mar. 1	1151	259	109	247
Engines. Electric sparking plug for gas.	A. Buchner and E. P. McClure	766,166	Aug. 2	19	4	111	1047
Engines. Electrical igniter for explosive.	W. E. Dow	752,384	Feb. 16	3021	673	108	1749
Engines. Electrical igniting mechanism for explosive.	D. M. Tuttle, W. H. Lindley, and W. H. Tuttle.	765,817	Mar. 29	5080	1128	109	1174
Engines. Electrical sparking igniter for explosive.	A. J. Bradley	750,574	June 14	1900	409	110	1869
Engines. Exhaust silencer for internal-combustion.	A. A. Low	772,483	Aug. 16	3122	673	108	1750
Engines. Firing locomotive.	W. H. Strouse	770,786	Sept. 27	3144	667	112	758
Engines. Fly-wheel for quick-running internal-combustion	F. Reichenbach	757,636	Apr. 19	2873	626	109	1989
Engines. Fuel-feed device for gasoline or vapor.	E. Prouty	748,883	Jan. 5	623	140	108	139
Engines. Fuel-supply means for explosive.	H. A. Low	767,493	Aug. 16	2736	574	111	1684
Engines. Gas-engine attachment for steam.	H. B. Nicodemus	754,385	Mar. 8	2328	509	109	325
Engines. Gas generating and feeding mechanism for gas.	C. K. MacFadden	748,768	Jan. 5	390	89	108	87
Engines. Gas-generator for explosive.	F. E. Pfister	759,011	May 3	848	172	110	195
Engines. Hot tube for gas.	J. F. Ebel and W. J. Hudson.	766,386	Dec. 28	328	53	113	1482
Engines, &c. Ignition apparatus for gas.	H. C. Folger	768,703	Aug. 30	5449	1148	111	2324
Engines. Ignition-plug for explosive.	W. Roche	770,927	Sept. 27	3432	724	112	823
Engines. Incandescent igniter for explosive.	P. J. Shouvin	775,385	Nov. 22	3726	791	113	898
Engines. Means for attaching suction-tubes or inlet-valves to explosive or internal-combustion	L. B. Smyser	753,814	Mar. 1	1200	270	109	258
Engines. Means for cylinder lubrication of internal-combustion	A. P. Brush	754,121	Mar. 8	1794	309	109	412
Engines. Means for feeding the induction-ports or fuel-inlets of internal-combustion	F. L. Chamberlin	765,880	July 26	3970	847	111	904
Engines. Means for supplying liquid fuel to explosive.	P. Murray	765,629	July 19	3445	727	111	780
Engines. Producing sparks in the cylinders of internal-combustion	L. J. Le Pontois	752,690	Feb. 23	3629	808	108	1900
Engines. Raw-liquid-fuel measurer for explosive.	A. G. Ronan	752,181	Feb. 16	2608	579	108	1655
Engines. Safety controlling-gear for fluid-pressure.	E. Crowe	765,561	July 19	3326	697	111	734
Engines. Safety mechanism for starting explosive.	J. D. Maxwell	763,628	July 19	3444	726	111	780
Engines. Safety spark-shifting device for explosive.	R. B. Hain	762,708	June 14	2178	474	110	1928
Engines. Sparking igniter device for hydrocarbon.	J. W. Packard	775,932	Nov. 29	4846	1026	113	1159
Engines. Starting-vaporizer for explosive.	W. W. Tuck, A. Wassmann, and A. A. Low.	768,641	Aug. 30	5154	1082	111	2338
Engines. Utilizing exhaust of gas.	R. Dempster	751,472	Feb. 9	1271	290	108	1346
Engines. Water-cooler for internal-combustion	C. W. Carrier	757,022	Apr. 12	1621	352	109	1703
Engraving-machine.	M. Barr	761,349	May 31	5527	1179	110	1296
Engraving-machine.	A. E. Francis	765,770	July 26	3763	801	111	858
Engraving-machine.	R. E. Gray	767,938	Aug. 16	3623	766	111	1877
Engraving-machine.	M. Barr	774,027	Nov. 1	977	205	113	232
Engraving-machine. Automatic.	M. Barr	759,955	May 17	2745	576	110	651
Engraving-machine. Automatic.	M. Barr	759,956	May 17	2748	576	110	652
Engraving-machine. Automatic.	M. Barr	761,350	May 31	5530	1179	110	1296
Engraving-machine. Automatic.	M. Barr	775,073	Nov. 15	3028	642	113	715
Engraving-machine. Pantograph	M. Barr	759,957	May 17	2753	577	110	653
Engraving-machine. Pantographic	A. Pourrier	771,573	Oct. 4	702	155	112	1109
Ensilage-cutter	M. W. Drew	773,483	Oct. 25	4741	1000	112	2047
Envelop	C. B. Denson	750,350	Jan. 26	3591	778	108	351
Envelop	C. G. Throop	751,423	Feb. 2	1189	270	108	1310
Envelop	L. C. Vanderlip	753,383	Mar. 1	214	48	109	49
Envelop	J. A. Walsh	753,943	Mar. 8	1459	328	109	336
Envelop	A. Bushnell, Jr.	754,048	Mar. 8	1652	368	109	380
Envelop	P. Dávalos	754,201	Mar. 8	1931	430	109	442
Envelop	J. N. Dalzell	756,002	Mar. 29	3455	1204	109	1280
Envelop	C. A. Meadows	761,004	May 24	4821	1024	110	1126
Envelop	E. Z. Wauchope	763,944	June 28	4596	1004	110	2495
Envelop	W. H. Croom	764,271	July 5	722	146	111	159
Envelop	A. L. Foy	765,337	July 19	2881	601	111	660
Envelop	H. S. Smith	767,449	Aug. 16	2670	560	111	1668
Envelop	W. T. Ormsbee, Jr.	768,340	Aug. 23	4497	945	111	2091
Envelop	J. T. Martin	768,670	Aug. 30	5230	1096	111	2272
Envelop	E. Ermold	772,031	Oct. 11	1643	368	112	1325
Envelop	B. F. Mohler	773,296	Oct. 25	4350	919	112	1967

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.		
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Envelop.....	J. H. Lamb.....	774,086	Nov. 1	1099	324	113	248	
Envelop.....	C. W. Wilson.....	776,712	Dec. 6	490	107	113	1536	
Envelop and letter-sheet for same.....	G. Archibald.....	771,115	Sept. 27	8906	804	112	907	
Envelop and sheet of paper, Combined.....	R. N. Witt.....	777,801	Apr. 19	3191	693	109	2058	
Envelop and stationery device.....	R. R. Lawson.....	751,324	Feb. 9	1360	310	108	1367	
Envelop-clasp.....	A. de Saint Chamas.....	756,712	Apr. 5	392	217	109	1554	
Envelop-clasp.....	S. Dancyger.....	759,680	May 10	2917	456	110	518	
Envelop-clasp.....	J. A. and J. E. Sherman.....	754,899	July 12	1992	411	111	452	
Envelop. Double return.....	J. Q. Dixon.....	769,536	Sept. 6	783	169	112	177	
Envelop. Duplex.....	I. L. Rheutan.....	761,912	June 7	602	121	110	1573	
Envelop-fastener.....	R. R. Lawson.....	752,402	Feb. 16	3057	679	108	1756	
Envelop-fastener.....	A. A. Rheutan.....	754,239	Mar. 8	2019	449	109	661	
Envelop-fastener.....	G. D. Barber.....	757,716	Apr. 19	3014	665	109	2020	
Envelop-fastener.....	I. L. Rheutan.....	761,911	June 7	601	121	110	1573	
Envelop-fastener.....	W. W. Palmer.....	764,252	July 5	693	140	111	153	
Envelop-feeding machine.....	E. Meier.....	768,475	Aug. 23	4788	1003	111	2161	
Envelop-machine.....	S. A. Grant.....	753,256	Mar. 1	75	19	80	109	18
Envelop-machine.....	W. L. Rinehart.....	756,981	Apr. 12	1531	336	109	1683	
Envelop-machine.....	B. F. Berry.....	777,588	Dec. 13	2217	486	113	1931	
Envelop-machine stop mechanism.....	P. J. Wolf.....	752,499	Feb. 16	3232	721	108	1704	
Envelop. Mailing.....	W. W. Klugh.....	759,382	May 10	1647	334	110	393	
Envelop-opening machine.....	A. Hess.....	758,315	Apr. 26	4218	906	109	2303	
Envelop-opening machine.....	J. C. Robertson.....	766,388	Aug. 2	488	104	111	1148	
Envelop or card delivering cabinet.....	T. A. Matthews.....	748,966	Jan. 5	735	172	108	181	
Envelop or card feeding device.....	D. S. Dufur.....	754,434	Mar. 15	2463	537	109	573	
Envelop or expanding wallet.....	A. Bushnell, Jr.....	757,596	Apr. 19	2782	609	109	1969	
Envelop or mailing device.....	W. J. Carpenter.....	761,357	May 31	5559	1184	110	1305	
Envelop. Return-ticket-voucher.....	C. J. Swank.....	766,075	July 26	4342	932	111	984	
Envelop. Safety.....	J. F. Young.....	749,010	Jan. 5	909	192	108	213	
Envelop. Safety.....	J. F. Irwin.....	757,310	Apr. 12	2204	482	109	1828	
Envelop. Safety.....	H. B. Schutt.....	759,398	May 10	1679	340	110	400	
Envelop. Safety.....	H. Rueve, Jr.....	763,797	June 28	4316	938	110	2435	
Envelop. Twin.....	A. G. Jones.....	754,373	Mar. 8	2309	504	109	521	
Envelops. Machine for opening and removing the contents of.....	E. E. Wolf and W. H. Garrett.....	771,852	Oct. 11	1245	378	112	1239	
Envelops, &c. Safety-fastener for.....	J. Noseworthy.....	758,379	Apr. 26	4337	981	109	2327	
Equalizer. Four-horse.....	P. N. Petersen.....	751,004	Feb. 2	412	97	108	1119	
Equalizer or tripletee.....	D. J. Shyne.....	758,788	May 3	415	83	110	102	
Eraser.....	H. B. Tooker.....	762,852	June 14	2467	535	110	1991	
Eraser.....	H. O. Keferstein.....	769,946	Sept. 13	1544	320	112	865	
Eraser.....	F. W. Warren.....	773,616	Nov. 22	4242	894	113	1013	
Eraser. Blackboard.....	P. Seith and G. Kaphingst.....	754,900	Mar. 15	3558	734	109	767	
Eraser-cleaner.....	W. Collins.....	758,170	Dec. 20	3879	743	113	2187	
Eraser cleaner. Blackboard.....	P. A. Peterson.....	772,832	Oct. 18	3229	704	112	1693	
Eraser cleaner. Blackboard.....	D. S. Ausherman.....	777,582	Dec. 13	2209	484	113	1929	
Eraser holder. Ink or pencil.....	J. L. Nicholson and E. A. Hemphill.....	772,111	Oct. 11	1808	401	112	1362	
Eraser. Mechanical.....	R. T. Merrill.....	765,671	July 26	3554	751	111	819	
Erasers. Machine for cleaning blackboard.....	J. A. Jones.....	754,230	Mar. 8	1982	440	109	452	
Essence-extracting apparatus.....	E. E. Hand.....	768,575	Aug. 23	4994	1046	111	2205	
Etching.....	T. C. Van Housen and W. A. Meyers.....	771,340	Oct. 4	234	52	112	1010	
Etching-machine.....	W. G. Thorpe and W. C. Fischer.....	764,164	July 5	510	101	111	113	
Etching printing-plates.....	W. G. Thorpe.....	764,082	July 5	348	67	111	76	
Ether. Manufacturing.....	O. Meyer.....	748,078	Jan. 5	1062	225	108	245	
Evaporating apparatus.....	W. Greiner.....	749,552	Jan. 12	2071	430	108	485	
Evaporating apparatus.....	J. A. Just.....	765,315	July 19	2826	588	111	648	
Evaporating apparatus. Liquid.....	M. Ekenberg.....	764,995	July 12	2338	463	111	505	
Evaporating apparatus. Multiple.....	W. Witkowicz.....	753,777	Mar. 1	1091	247	109	235	
Evaporating apparatus. Multiple-effect.....	S. M. Lillie.....	777,114	Dec. 13	1998	357	113	1731	
Evaporating apparatus. Piled vacuum.....	T. Suzuki.....	764,393	July 5	997	202	111	222	
Evaporating apparatus. Vacuum.....	C. Ordway.....	755,529	Mar. 22	4498	998	109	1028	
Evaporating apparatus. Vacuum.....	C. Ordway.....	775,577	Nov. 22	4164	878	113	995	
Evaporating-closet. Portable.....	F. P. Smith.....	764,261	July 5	705	155	111	156	
Evaporating liquids.....	B. F. B. Sewell.....	752,599	Feb. 16	3431	796	108	1839	
Evaporating liquids.....	J. A. Just.....	765,343	July 19	2897	605	111	663	
Evaporating or distilling apparatus.....	J. S. Forbes.....	760,440	May 24	3681	779	110	878	
Evaporator.....	E. R. Goings.....	750,535	Jan. 26	3854	856	108	325	
Evaporator. Porous.....	D. W. Daley.....	775,105	July 19	2536	534	111	589	
Evaporator. Sap.....	S. Wieringa.....	756,549	Apr. 5	696	150	109	1490	
Evener.....	N. P. Peterson.....	768,623	Aug. 30	5114	1075	111	2249	
Evener. Multiple.....	C. L. Fowle.....	759,361	May 10	1615	325	110	385	
Evener. Three-horse.....	S. A. Massey.....	752,087	Feb. 16	2447	547	108	1620	
Evener. Three-horse.....	W. W. Gamble.....	758,745	May 3	338	67	110	83	
Evener. Three-horse.....	S. A. Massey.....	769,661	Sept. 6	987	214	112	225	
Evening and grading machine.....	E. P. Nichols. (Reissue).....	12,288	Nov. 22	4799	1017	113	1131	
Excavating and loading machine.....	D. H. Mahoney.....	753,282	Mar. 1	125	80	109	81	
Excavating and sluicing gravel, &c. Apparatus for.....	F. K. Hoover and A. J. Mason.....	759,108	May 3	1031	210	110	234	
Excavating apparatus.....	J. Lennon.....	766,956	Aug. 9	1713	359	111	1442	
Excavating apparatus.....	C. W. Rood.....	767,765	Aug. 16	3292	686	111	1801	
Excavating apparatus.....	T. E. Moore.....	769,828	Sept. 13	1923	268	111	316	
Excavating-bucket.....	F. M. Ireland.....	774,481	Nov. 8	338	67	110	86	
Excavating-cutter.....	J. B. Cantwell.....	777,180	Dec. 13	1414	313	113	1756	

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Excavating-machine.	J. D. Moran	754,480	Mar. 15	2558	556	109	595
Excavating-machine.	W. J. Roelofson	758,781	May 3	400	80, 81	110	98
Excavating-machine.	D. H. Snyder	759,764	May 10	2375	495	110	553
Excavating-machine.	J. L. Scanlan	762,352	June 14	1425	497	110	1768
Excavating-machine.	C. C. Battey	766,584	Aug. 2	908	190	111	1239
Excavating-machine.	J. P. Gordon	768,362	Aug. 23	4536	954	111	2099
Excavating-machine.	A. McCarthy	769,105	Aug. 30	6085	1213	111	2466
Excavating-machine.	R. C. Canfield	774,908	Nov. 15	2694	577	113	636
Excavating-machine.	J. Helm	777,204	Dec. 13	1456	322	113	1765
Excavating-machine. Rock.	C. T. Drake	753,477	Mar. 1	474	111	109	103
Excavating, raising, screening, and filling gravel.	H. Quartier	750,005	Jan. 19	2943	629	108	691
Excavating, raising, screening, and filling gravel.	H. Quartier	752,709	Feb. 23	3660	815	108	1907
Excavating-shovel.	J. W. Page	758,380	Apr. 26	4339	981	109	2328
Excavating-shovel. Automatic.	T. Cox	766,670	Aug. 2	1093	1237	111	1284
Excavations. Apparatus for removing dirt from.	W. J. Newman	764,201	July 5	600	119	111	133
Excavations. Apparatus for removing dirt from.	W. J. Newman	764,202	July 5	603	120	111	134
Excavator.	O. P. Peach	755,237	Mar. 22	3960	877	109	915
Excavator.	V. P. Keller	760,996	May 24	4802	1021	110	1121
Excavator.	W. E. Jackson and A. G. Adkins	761,382	May 31	5602	138	110	1313
Excavator.	J. H. Miller	766,888	Aug. 9	1576	332	111	1410
Excavator.	G. H. Williams	767,586	Aug. 16	2847	595	111	1708
Excavator.	C. L. Payne	774,102	Nov. 1	1129	240	113	256
Excavator. Steam dirt.	B. R. Snider	759,763	May 10	2372	495	110	553
Excavators. Car-placing attachment for.	H. H. George, Jr.	757,450	Apr. 19	2474	541	109	1901
Excavators. Car-placing attachment for power.	H. H. George, Jr.	757,449	Apr. 19	2473	541	109	1901
Excelsior-machine.	G. P. Lyon	766,050	July 26	4293	920	111	974
Excelsior-making machine.	L. Battey	768,117	June 7	964	241	110	1646
Excelsior-making machine.	W. H. Niemeyer and E. J. Godman	764,492	July 5	1182	242	111	261
Exerciser	M. Duffner	764,118	July 5	415	80, 81	111	91
Exerciser and developer. Physical	A. E. Terry	766,743	Aug. 2	1233	261	111	1315
Exercising apparatus.	C. A. Grabner	754,992	Mar. 22	3532	774	109	829
Exercising apparatus.	G. Voergler	737,709	Apr. 19	3004	652	109	2017
Exercising apparatus.	G. D. Shultz	764,687	July 12	1629	333	111	372
Exercising apparatus.	J. L. Roberts	775,989	Nov. 29	4985	1052	113	1190
Exercising apparatus.	W. J. Bryon, Jr.	776,824	Dec. 6	725	160	113	1586
Exercising apparatus. Elastic.	T. Belvoir	760,374	May 17	3546	748	110	831
Exercising-ball.	J. S. Aydelott	749,147	Jan. 12	1207	258	108	296
Exercising-ball.	J. Minor	777,478	Dec. 13	1987	440	113	1882
Exercising device.	W. R. Dunbar	756,480	Apr. 5	580	121	109	1464
Exercising device.	W. H. Chellis and F. W. McNanny	766,019	July 26	4246	907	111	963
Exercising device.	W. G. Ruhl	771,938	Oct. 11	1442	328	112	1281
Exercising device.	B. Patterson	775,309	Nov. 22	3564	751	113	861
Exercising-machine.	J. Morarty	759,296	May 10	1476	296	110	358
Exercising-machine.	J. F. Frazee and H. V. Whitcomb	768,475	June 28	3702	798	110	2305
Exercising-machine.	L. Pelletier and G. Monier, Jr.	767,008	Aug. 9	1801	378	111	1460
Exercising-machine.	E. W. White	770,994	Sept. 27	3557	749	112	852
Exercising-machine.	F. Bitter	775,718	Nov. 22	4441	999	113	1035
Exhaust-head.	J. E. Schlieper	768,627	Aug. 30	5122	1077	111	2251
Exhaust-head.	F. M. Overholt	774,531	Nov. 8	1907	414	113	441
Exhaust-heater for compound motors.	T. G. E. Lindmark	773,657	Nov. 9	227	32, 33	113	57
Exhauster and compressor. Motor-driven.	M. D. Compton	766,876	Aug. 9	1555	325	111	1405
Exhausting or testing tank.	T. J. Cosens	777,403	Dec. 13	1840	407	113	1850
Exhibiting mechanism. Animal.	W. D. Carson	748,700	Jan. 5	285	65	108	63
Exhibition-case. Revolvable.	D. Woods	763,584	June 28	3894	844	110	2345
Exhibition of series of objects. Device for the automatic.	L. Strumpf	760,581	May 24	3962	840	110	942
Exhibitor. Changeable.	A. and A. C. Bechtold	754,190	Mar. 8	1912	426	109	438
Exhibitor. Curtain.	P. Jr. and H. Roush	758,149	Apr. 26	3869	840	109	2226
Exhibitor. Goods.	P. J. and J. J. Koll	770,559	Sept. 20	2766	586	111	657
Expanding and spreading tool.	A. Bescke	756,142	Mar. 29	5703	1258	109	1312
Expanding mold.	L. Cuatt	770,677	Sept. 20	2934	623	112	696
Expansion-bit.	W. J. Uschold	769,200	Sept. 6	115	29	112	26
Expansion-bolt.	C. H. Haggerty	750,536	Jan. 26	3856	856	108	926
Expansion-bolt.	J. B. Gottshalk	754,764	Mar. 15	3669	677	109	712
Expansion-bolt.	J. Jenkins	768,283	Aug. 23	4394	923	111	2065
Expansion-bolt.	L. Church	777,399	Dec. 13	1835	406	113	1849
Expansion-comb for warping, beaming, or other machines.	A. E. Brooks	755,758	Mar. 29	4922	1006	109	1140
Expansion-trap.	E. H. Gold	753,219	Feb. 16	2691	596	108	1676
Exploding mines, blasting, &c. Apparatus for.	F. L. M. Mearns	756,454	Aug. 2	613	130	111	1174
Explosion-engine.	K. J. McMillen and M. H. Robinson	758,189	Apr. 26	3942	855	109	2242
Explosion-motor.	F. Baltzinger	752,434	Feb. 16	3117	692	108	1769
Explosion-motor.	F. Charron and L. Girardot	761,656	June 7	50	8, 9	110	1446
Explosion-motor.	R. Algrin	763,535	June 28	3802	823	110	2326
Explosion-motor.	S. S. and A. Lewis	773,021	Oct. 25	3631	784	112	1800
Explosion-motor.	F. Henriod-Schweizer	775,120	Nov. 15	3127	663	113	738
Explosive.	H. Dreany	730,175	Jan. 19	3261	699	108	756
Explosive.	H. Postner	751,807	Feb. 9	1902	407	108	1482
Explosive.	W. Kirssanoff	763,675	June 28	4071	111	110	2341
Explosive.	H. von Dahmen	770,046	Sept. 13	1723	407	112	407

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Explosive	H. von Dahmen	770,047	Sept. 13	1723		112	407
Explosive and making same	B. D. Pike	751,751	Feb. 9	1790		108	1456
Explosive and making same	E. Steele	762,447	June 14	1621		110	1810
Explosive and making same	A. Müller-Jacobs	777,125	Dec. 13	1338	293 294	113	1738
Explosive compound	J. P. Arnold	757,713	Apr. 19	3010		109	2019
Explosive compound	W. M. Spore	762,446	June 14	1620		110	1810
Explosive compound	C. M. Hall	763,665	June 28	4052		110	2380
Explosive compound	C. M. Hall	763,666	June 28	4053		110	2380
Explosive compound	N. Ceipek	768,512	Aug. 23	4860		111	2176
Explosive-engine	S. S. and A. Lewis	754,466	Mar. 15	2521	550	109	585
Explosive-engine	J. J. Murray	757,315	Apr. 12	1997	435	109	1785
Explosive-engine	H. B. Palmer	757,682	Apr. 19	2865	624	109	1986
Explosive-engine	D. L. Doering	761,363	May 31	5572	1187	110	1308
Explosive-engine	J. E. Pfeffer and R. H. Layton	761,539	May 31	5868	1257 1258	110	1373
Explosive-engine	G. F. Murphy	764,614	July 12	1473	300	111	339
Explosive-engine	F. L. Chamberlin	765,814	July 26	3856	822	111	878
Explosive-engine	H. Schüle	770,872	Sept. 27	3317	700	112	797
Explosive-engine	C. W. Little	772,160	Oct. 11	1913	424	112	1384
Explosive-engine	R. Miller	774,392	Nov. 8	1641	353	113	386
Explosive-engine	J. S. Losch	775,243	Nov. 15	3430	724 725	113	815
Explosive-engine	P. Schmit.	775,314	Nov. 22	3575	754	113	864
Explosive-engine	C. and W. Hibbard	775,819	Nov. 22	4628	982	113	1065
Explosive-engine	F. J. Rochow	776,800	Dec. 6	675	149 150	113	1575
Explosive-engine. Quadruple four-cycle	F. E. Schoonmaker	760,649	May 24	4099	871	110	973
Explosive-engine. Reversible	J. A. McGee	756,687	Apr. 5	941	206 207	109	1544
Explosive-engine. Two-cycle	C. R. Daellenbach	765,357	July 19	2919	610	111	668
Explosive-motor. Rotary	C. A. Marlitt	763,773	June 28	4257	926	110	2425
Explosive-motor. Rotary	J. F. Hathaway	765,777	July 26	3796	800	111	865
Expressing-machine	R. Oppenheim	774,530	Nov. 8	1906	414	113	441
Extensible bracket	C. H. Richardson	771,575	Oct. 4	704	156 157	112	1109
Extensible case	E. G. Schriefer	754,814	Mar. 15	3196	696	109	732
Extensible case	E. G. Schriefer	754,815	Mar. 15	3199	697	109	733
Extensible trough or flume	P. Maginnis	749,871	Jan. 19	2678	573	108	636
Extension-brace	F. W. E. Heyssel	757,306	Apr. 12	2178	477	109	1324
Extension-bracket	D. M. Lewis	762,540	June 14	1835	393	110	1856
Extension-hanger. Adjustable	H. S. Burley	761,737	June 7	269	53, 54	110	1497
Extension-table	H. Nonnast and W. Tesar	749,320	Jan. 12	1576	333 334	108	379
Extension-table	T. C. Thompson	751,221	Feb. 2	826	190	108	1232
Extension-table	J. and F. Dobrodenka	757,544	Apr. 12	2680	586	109	1945
Extension-table	G. G. Johnson	758,755	May 3	354	71	110	84
Extension-table	H. Johnson	759,997	May 17	2843	595	110	677
Extension-table	D. F. Oliver	760,553	May 24	3907	830 831	110	930
Extension-table	J. Ingells	760,630	May 24	4067	864 865	110	965
Extension-table	C. J. and G. H. Cook	771,232	Oct. 4	22	4	112	965
Extension-table	A. F. Zochert	772,770	Oct. 18	3151	686	112	1676
Extension-table	J. Mitchell	775,377	Nov. 22	3712	788	113	894
Extension-table	J. F. Arnold	778,471	Dec. 27	4003	871	113	2399
Extension-tie and marking-tag. Combined	C. Kersten	762,172	June 7	1058	223	110	1068
Extension-wrench. Tap and reamer	G. L. P. Combs	760,103	May 17	3051	638	110	721
Extracting apparatus	H. J. P. Hampton	761,828	June 7	436	88	110	1536
Extractor.							
See Cork-extractor.	Pump-rod extractor.						
Dust-extractor.	Rivet-extractor.						
Honey-extractor.	Spike-extractor.						
Juice-extractor.	Spoke-extractor.						
Lime and sediment	Staple-extractor.						
extractor.	Stopper-extractor.						
Nail-extractor.	Stump-extractor.						
Nail or spike extractor.							
Extracts by electricity. Apparatus for making	G. D. Burton	763,152	June 21	3047	656 657	110	2140
Extracts. Increasing the solubility of	J. Magri	764,483	July 5	1169		111	258
Eye. Artificial	V. Fukala	762,298	June 14	1836	288	110	1748
Eye exerciser and tester.	G. E. Lundgren	770,645	Sept. 20	2867	609	112	680
Eye-shade	N. R. Wickersham	757,854	Apr. 19	3288	712	109	2078
Eye-shade	W. S. Bevan	762,121	June 7	970	201	110	1647
Eyeglass attachment for suspending supplemental eyeglasses.	W. Z. Searle	756,984	Apr. 12	1538	339	109	1684
Eyeglass-case	C. J. Wilson	750,926	Feb. 2	278	65	108	1119
Eyeglass-fastening	F. Michel	778,057	Dec. 20	3173	698	113	2142
Eyeglass-frame	L. Lafortune	760,000	May 17	2848	595	110	676
Eyeglass-guard	W. H. Wilson	767,809	Aug. 16	3357	760	111	1823
Eyeglass-guard	L. Fox	761,619	May 31	6120	1929	110	1408
Eyeglass-holder	W. F. Add.	770,249	Sept. 20	2099	442	112	507
Eyeglass-lens attachment	C. W. Conner	760,958	May 24	4736	1008	110	1107
Eyeglass lock-nut	R. Tatam	760,040	May 17	2922	611	110	692
Eyeglass-mounting	H. Caswell	770,029	Sept. 13	1694	359	112	400
Eyeglass-mounting	E. Clark	753,364	Mar. 1	222	59	109	59
Eyeglass-mounting	S. E. West	775,956	Nov. 29	4912	1088	113	1174
Eyeglass nose-guard	G. J. Kirby	763,907	June 28	4527	938	110	2481

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Eyeglass nose-guard.....	J. E. Limeburner	775,085	Nov. 15	3048	647	113	721
Eyeglass nose-guard.....	W. D. Fennimore.	778,234	Dec. 27	3501	770	113	2321
Eyeglass nose-piece.....	C. F. Wall	751,230	Feb. 2	845	193	108	1237
Eyeglass or spectacle attachment.....	F. E. Ruckdeschel	751,418	Feb. 2	1180	268	108	1308
Eyeglass or spectacle case.....	W. E. Birmingham	750,017	Jan. 19	2975	637	108	697
Eyeglass screw-lock.....	A. M. Ward	776,571	Dec. 6	210	47	113	1474
Eyeglasses.....	A. M. Ward	776,571	Dec. 6	708	157	113	1583
Eyeglasses.....	C. H. Pixley	750,392	Jan. 26	3657	795	108	865
Eyeglasses.....	E. Beckwith	752,280	Feb. 16	3819	625	108	1705
Eyeglasses.....	H. E. Kirstein	755,014	Mar. 22	3573	783	109	832
Eyeglasses.....	I. Fox	756,328	Apr. 5	72	16	109	1358
Eyeglasses.....	L. F. Adt	756,312	Apr. 5	285	49	109	1394
Eyeglasses.....	W. L. Bemis	756,456	Apr. 5	534	111	109	1456
Eyeglasses.....	F. X. Gartland	756,488	Apr. 5	594	128	109	1467
Eyeglasses.....	M. Bourquin and F. Willson	758,815	May 3	467	94	110	115
Eyeglasses.....	P. Moews	760,008	May 17	2860	598	110	678
Eyeglasses.....	M. M. Kime	762,011	June 21	2386	561	112	2037
Eyeglasses.....	W. W. Dow	765,566	July 19	3333	700	111	756
Eyeglasses.....	V. Bertolini	766,096	July 26	4396	941	111	995
Eyeglasses.....	G. A. Stiles	766,546	Aug. 2	821	173	111	1231
Eyeglasses.....	L. F. Adt	766,569	Aug. 2	877	185	111	1233
Eyeglasses.....	L. F. Adt	766,570	Aug. 2	879	185	111	1233
Eyeglasses.....	L. F. Adt	766,571	Aug. 2	880	185	111	1234
Eyeglasses.....	L. F. Adt	766,572	Aug. 2	882	186	111	1234
Eyeglasses.....	L. F. Adt	766,573	Aug. 2	884	186	111	1235
Eyeglasses.....	L. F. Adt	766,574	Aug. 2	886	186	111	1235
Eyeglasses.....	L. F. Adt	766,575	Aug. 2	888	186	111	1236
Eyeglasses.....	L. F. Adt	766,651	Aug. 2	1050	220	111	1274
Eyeglasses.....	J. W. J. Wells	767,617	Aug. 16	3011	629	111	1745
Eyeglasses.....	B. M. Levy	768,609	Aug. 30	5000	1060	111	2245
Eyeglasses.....	L. F. Adt	768,838	Aug. 30	5562	1168	111	2349
Eyeglasses.....	H. Masters	769,022	Sept. 6	922	190	112	300
Eyeglasses.....	F. X. Gartland	770,001	Sept. 13	1653	550	112	391
Eyeglasses.....	J. A. Schmid and F. X. Gartland	771,837	Oct. 11	1222	271	112	1235
Eyeglasses.....	F. S. Ward	772,196	Oct. 11	1994	430	112	1402
Eyeglasses.....	E. G. Kay	773,750	Nov. 1	413	91	113	98
Eyeglasses.....	K. Kirsch	775,828	Nov. 22	4643	984	113	1098
Eyeglasses.....	R. B. Hall	776,739	Dec. 6	555	122	113	1549
Eyeglasses or spectacles.....	G. F. Applegate	764,100	July 5	380	73	111	83
Eyeglasses or spectacles.....	G. F. Applegate	764,101	July 5	383	73	111	84
Eyeglasses or spectacles.....	A. D. Bloch	766,412	Aug. 2	540	113	111	1158
Eyeglasses, spectacles, or the like. Mounting for frameless.....	J. E. Boyle	778,528	Dec. 27	4103	894	113	1073
Eyesight-test cabinet.....	W. A. Rosenbaum	769,805	Sept. 13	1264	271	112	303
Eyesight-testing apparatus.....	A. and A. C. Bechtold	759,229	May 10	1338	267	110	325
Eyesight-testing device.....	W. H. Ely	777,886	Dec. 20	2831	632	113	742
Eyelet.....	J. C. Masters	757,005	Sept. 19	2737	612	110	1022
Eyelet.....	G. H. Brabrook	759,804	May 10	2462	515	110	573
Eyelet.....	E. Kempshall	769,388	Sept. 6	498	110	112	113
Eyelet. Lacing.....	A. Fonta	762,036	June 7	820	168	110	1615
Eyelet-machine.....	A. C. Campbell	768,876	Aug. 30	5632	1182 (1184)	111	2365
Eyelet-setting machine, &c.....	E. B. Stimpson	764,962	July 12	2185	452 (453)	111	495
Eyelets. Coating.....	I. W. Giles	764,454	July 5	1113	226	111	246
Eyeleting-machine.....	A. Dewes	760,617	May 24	4034	857 (858)	110	957
Eyeleting-machine.....	P. R. Glass	773,204	Oct. 25	4180	882	112	1928
Eyeleting-machine.....	J. W. Barna and V. Hoffman	773,845	Nov. 1	599	129	113	2361
Fabric: See Compound fabric. Metallic fabric. Elastic fabric. Ornamental fabric. Embroidered fabric. Pile fabric. Felted fabric. Tuck-stitch fabric. Knit fabric. Wire fabric. Knitted fabric. Woven fabric. Lace fabric. Woven interlining fabric. Metal fabric.	W. S. Sillocks	754,098	Mar. 8	1758	391	109	403
Fabric. Apparatus for handling tubular.....	C. W. Gove	769,648	Sept. 6	967	210	112	220
Fabric-coating machine.....	J. H. Shugg	775,854	Nov. 22	566	129	113	1042
Fabric-cutting machine.....	H. Faltermayer	748,833	Jan. 5	566	129	108	127
Fabric-cutting machine.....	F. A. Seiberling and U. P. Smith	763,804	June 28	4334	941 (942)	110	2439
Fabric-handling mechanism.....	C. J. Bellamy	777,934	Dec. 20	2935	645	113	2035
Fabric-machine for extracting liquid from.....	I. E. Palmer	766,517	Aug. 2	764	162	110	1307
Fabric-marking machine.....	M. J. Fisher	748,854	Jan. 5	569	130	108	128
Fabric pressing and finishing machine. Textile.....	T. Pratt, C. King, and J. E. Hammond.	768,690	Aug. 30	5263	1107	111	2281
Fabric-renovating apparatus.....	G. Wassertheurer	763,032	June 21	2804	609	110	2086
Fabric-splitting machine. Duplex-woven.....	B. S. Smith	768,348	Aug. 23	4511 (451)	949	111	2094
Fabric steaming and pressing apparatus.....	E. I. Fletcher	773,067	Oct. 25	3799	811	112	1839
Fabric tentering and drying machine.....	M. Ratignier and M. Clerc-Renaud.	764,254	July 5	695	140	111	154
Fabric-treating apparatus.....	M. Muntadas y Rovira	761,107	May 31	5066	1076	110	1196
Fabric-treating apparatus. Tubular.....	W. R. Smith	776,150	Nov. 29	5288	1118 (1119)	113	1261
Fabric-turning machine.....	C. S. Shallenberger	775,992	Nov. 29	4991	1054	113	1902
Fabrics. Device for producing a silky luster on textile.....	J. Eck	755,469	Mar. 22	4397	974	109	1007
Fabrics. Finishing.....	H. Beck	754,843	Mar. 15	3264	710	109	747
Fabrics from cork and textile fabrics. Manufacture of compound.....	J. Philipps and P. de Troussures	762,492	June 14	1722	.....	110	1832
Fabrics. Machine for uniting looped.....	G. O. and H. E. Harbaugh	758,348	Apr. 26	4063	879 (880)	109	2267

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Fabrics with fluid substances. Machine for im- pregnating	H. A. Mann	768,059	Aug. 23	3907	820	111	1960
Fabrics with gobelin-like embroidery designs. Pro- viding wove	J. L. G. Witte	765,947	July 26	4089	873	111	973
Facet-cutting machine	F. Stansfield	765,800	July 26	3834	817	111	890
Facial wrinkles. Device for eradicating	W. B. Hargrave	765,361	July 19	2929	611	111	670
Fan	W. J. Smith	750,904	Feb. 2	238	53	108	1110
Fan	C. A. Eck	751,484	Feb. 9	1292	294	108	1351
Fan	C. A. Eck	751,485	Feb. 9	1294	295	108	1352
Fan	S. D. Earl	753,687	Mar. 1	901	204	109	195
Fan	F. N. Roehrich	757,774	Apr. 19	3146	634	109	2049
Fan	S. R. Bachtel	769,676	Sept. 6	1028	232	112	236
Fan-actuating mechanism	J. F. Carr	750,165	Jan. 19	3244	699	108	733
Fan and score-card	F. S. H. Johnson	760,570	May 17	3265	685	110	798
Fan attachment	E. P. Veronee	751,963	Feb. 9	2309	498	108	1550
Fan attachment	J. W. Tatum	760,936	May 24	4691	999	110	1097
Fan-blade	W. O. Webber	752,275	Feb. 16	2808	622	108	1703
Fan. Blast	D. F. Lepley	767,580	Aug. 16	2936	614	111	1729
Fan. Centrifugal	S. C. Davidson	762,470	June 14	1683	363	110	1823
Fan-deflector	N. Morgan	751,325	Feb. 2	1033	234	108	1277
Fan. Electric	A. T. Smith	750,716	Jan. 26	4268	926	108	992
Fan. Electric	F. N. Roehrich	757,773	Apr. 19	3143	683	109	2048
Fan. Electric	A. R. Fergusson	758,305	Apr. 26	4200	903	109	2299
Fan. Folding	F. Helm	760,452	May 24	3707	785	110	885
Fan for disinfecting purposes	W. W. Rossiter	757,684	Apr. 19	2966	645	109	2009
Fan-guard	C. F. Winch	759,951	May 17	3739	574	110	649
Fan. Horse	H. Ketterer	772,899	Oct. 18	3367	735	112	1735
Fan-motor	A. R. Everest	761,215	May 31	5263	1117	110	1259
Fan-motor	F. Bockelman and W. C. Deke	772,126	Oct. 11	1833	407	112	767
Fan. Motor	G. E. Jacobson	776,026	Nov. 29	5060	1068	113	1269
Fan. Motor-controlled	C. S. Warnock	769,122	Aug. 30	6121	1280	111	2474
Fan-motor deflector	H. E. Wellman	735,199	Mar. 22	3902	861	109	902
Fan motor. Rotary	J. W. Miller	770,096	Sept. 13	1783	376	112	420
Fan motor support	E. P. Warner	700,591	May 24	3976	845	110	946
Fan or blower	W. A. Cross	773,548	Nov. 1	65	7	113	12
Fan. Oscillating electric	J. Amron	733,027	Feb. 23	4366	957	108	2052
Fan. Rocking-chair	B. F. Gilmer	766,822	Aug. 9	1445	301	111	1381
Fan. Rotary	G. M. Rudd	763,073	June 21	2895	624	110	2107
Fan. Rotary	S. S. Williamson	768,499	Aug. 23	4533	1012	111	2170
Fan structure. Ventilating	W. Clifford	732,562	Feb. 23	423	929	108	2020
Fan structure. Ventilating	W. Clifford	771,461	Oct. 4	475	107	112	1059
Fan-system regulation. Pneumatic	J. L. Creveling	759,245	May 10	1372	273	110	333
Fan. Ventilating	O. Giltner	750,450	Jan. 26	3765	818	108	883
Fanning-mill	W. J. Hammill	749,819	Jan. 19	2586	551	108	613
Fanning-mill	N. M. Bowen	768,212	Aug. 23	4252	894	111	2038
Fanning-mill	L. T. Larson	775,755	Nov. 23	4506	955	113	1070
Fanning-mill for cleaning grain, &c	J. L. Doub	758,511	Apr. 26	4594	989	109	2387
Fare-box	F. H. Stuart	766,779	Aug. 2	1324	280	111	1335
Fare indicator and protector for street-car regis- ters. Auxiliary	F. Paduveri	758,846	May 3	526	107	110	135
Fare indicator and register	J. H. Johnson	767,000	Aug. 9	1790	375	111	1458
Fare-register	H. Tyler	758,488	Apr. 26	4536	975	109	2373
Fare-register	F. J. Hull	760,125	May 17	3092	646	110	731
Fare-register	N. B. Hughes	760,629	May 24	4064	864	110	965
Fare register and recorder	W. I. Ohmer	764,494	July 5	1189	245	111	262
Fare-register operating device	F. F. Ohmer and E. H. Bridenbaugh	773,519	Oct. 25	4851	1024	112	2075
Fare-register operating mechanism	W. I. Ohmer	764,759	July 12	1768	362	111	403
Fare-register-rod operating handle	A. H. Hall	770,901	Sept. 27	3882	714	112	811
Fares by ticket. System for collecting railway	R. F. Carr	777,662	Dec. 20	2365	520	113	1777
Farm-gate	T. J. Ryan	753,166	Feb. 23	4550	1014	108	2105
Farm-gate	C. P. Emery	754,758	Mar. 15	3089	675	109	710
Farm-gate	C. Wilson	756,332	Apr. 5	275	57	109	1402
Farm-gate	C. U. and J. L. Reams	738,621	May 3	169	36	110	41
Farm-gate	J. A. Clements	761,580	May 31	5942	1275	110	1391
Farm-gate	D. Shildts	762,951	June 21	2668	578	110	2037
Farm-gate	O. S. Hendricks	765,280	July 19	2755	574	111	633
Farm-gate	L. P. Rollins	770,317	Sept. 20	2263	474	112	546
Farm-gate	W. B. Miller	775,536	Nov. 22	4048	853	113	969
Farm-gate	A. M. Hall	777,674	Dec. 20	2382	524	113	1980
Farm implement	R. E. Jeffrey	768,459	Aug. 23	4753	996	111	2154
Farm-machinery seat	G. Lauzendorfer	750,142	Jan. 19	3202	688	108	744
Farm-roller	F. E. Suydam	751,961	Feb. 9	2207	497	108	1549
Farrowing-house	G. W. Trone	751,961	Feb. 9	2207	497	108	1549
Fascine	H. F. Kellner	749,386	Dec. 12	1714	363	108	409
Fascine	H. F. Kellner	777,288	Jan. 13	1610	357	113	1799
Fashioned textile fabric and producing same	C. G. Harzer, Jr.	767,068	Aug. 9	1922	402	111	1488
Fastener	E. F. Priddat	754,496	Apr. 5	606	131	109	1470
Fastener	E. F. Priddat	762,599	June 14	1998	418	110	1877
Fastener	N. Bray	762,876	June 21	2535	547	110	2025
Fastener	D. A. Breaux	763,955	July 5	11	3	111	5
Fastener	R. S. Hamilton	764,238	July 5	669	136	111	149
Fastener	J. H. Pilkington	767,936	Aug. 9	2206	472	111	1561

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Fastener	W. E. Coles	769,208	Sept. 6	128	32	112	29
Fastener	J. D. Stirkler	769,777	Sept. 13	1216	262	112	292
Fastener	J. D. Stirkler	769,780	Sept. 13	1219	262	112	293
Fastener	J. D. Stirkler	769,807	Sept. 13	1266	272	112	303
Fastener	C. C. Kahl	771,912	Oct. 11	1385	315	112	1268
Fastener	E. N. Humphrey	773,502	July 5	481	95	111	361
Fastener	J. D. Stirkler	776,957	Dec. 6	1062	214	113	1649
Fastener device	W. C. Stange	753,175	Feb. 23	4564	1017	108	2108
Fastener or holding device	G. A. Danielson	775,801	Nov. 22	4597	974	113	1088
Fastener. Safety-	A. Schaeffer	755,174	Mar. 22	3852	850	109	983
Fastener. Safety-	A. Schaeffer	764,153	July 5	481	95	111	365
Fastener. Sew-on snap-	T. R. Hyde, Jr.	762,478	June 14	1701	366	110	1827
Fastener socket member	W. S. Richardson	756,184	Mar. 29	5765	1273	109	1325
Fastening	O. G. and G. A. Joseph	773,795	Nov. 1	491	107	113	115
Fastening and suspension device.	E. M. Lewis	754,323	Mar. 8	3163	479	109	489
Fastening appliance. Detachable	F. X. Gardland	772,351	Oct. 18	2320	508	112	1408
Fastening device	H. E. Berkey	752,372	Feb. 16	2991	667	108	1743
Fastening device	R. M. Pancoast	758,332	Apr. 26	4253	914	109	2310
Fastening device	P. Morrison	764,487	July 5	1175	240	111	259
Fastening device	C. Haefliger	767,812	Aug. 16	3871	713	111	1824
Fastening device	Z. B. Webb	772,984	Oct. 25	3576	771	112	1787
Fastening device	J. F. Werle	775,433	Nov. 22	3832	810	113	923
Fastening device. Barbed	E. Perlich	777,973	Dec. 20	3023	665	113	2110
Fastening device. Metal	R. W. Meily	749,077	Jan. 5	1061	225	108	245
Fastening device. Solidified halogenized	G. C. Wyland	753,950	Mar. 8	1476	331	109	341
Fat and making same.	H. W. Metcalf	774,224	Jan. 13	1841	391	110	380
Fat-cutter	C. Burnett	748,841	Jan. 5	541	124	108	123
Fats, &c. Apparatus for the recovery of	K. Kremer	751,303	Feb. 2	999	236	108	1270
Fatty substances. Producing granulated and solidified	J. Westaway	773,614	Nov. 1	149	34	113	39
Fatty substances. Separating fluid from solid portions of	W. B. Kerr	766,628	Aug. 2	998		111	1263
Faucet	M. Farrell	756,346	Apr. 5	313	64	109	1410
Faucet	J. J. Delany	759,246	May 10	1374	273	110	334
Faucet	G. K. Cooke	763,263	June 21	3259	703	110	2187
Faucet	W. R. Campbell	766,324	Aug. 2	376	79	111	1123
Faucet	G. E. Stillman	767,849	Aug. 16	3445	728	111	1899
Faucet	H. A. Schroeder	770,825	Sept. 27	3241	683	112	781
Faucet	L. C. Glisson	771,627	Oct. 4	803	179	112	1131
Faucet	H. L. Davley	774,467	Nov. 8	1732	385	113	414
Faucet	C. A. Smith	777,265	Dec. 13	1568	350	113	1790
Faucet and measure. Combined	E. K. Matthews	752,450	Feb. 16	3158	703	108	1778
Faucet attachment	J. J. Tokheim	757,072	Apr. 12	1709	371	109	1721
Faucet attachment	M. A. Sheldon	770,932	Sept. 27	3441	726	112	836
Faucet. Bottling	J. Metcalf and T. Bell	762,435	June 14	111	366	110	1825
Faucet. Combination	S. S. Williamson	763,827	June 28	4576	951	110	2449
Faucet connection	B. D. Knickerbocker	761,505	May 31	5809	1242	110	1362
Faucet-coupling	L. A. Cornelius	776,298	Nov. 29	5562	1179	113	1323
Faucet. Disappearing	N. H. Piffard-Francis	771,854	Oct. 11	1328	301	112	1257
Faucet glass-protecting attachment	J. B. Tuor	756,915	Apr. 12	1397	319	109	1656
Faucet. Lock	B. R. Bacon	753,440	Aug. 2	551	117	109	54
Faucet or cock	H. Kupsch	761,973	June 7	708	145	110	1594
Faucet. Regulable self-closing	E. L. Walter	749,910	Jan. 19	2755	591	108	650
Faucet. Self-closing	J. C. Norris	764,620	July 12	1489	305	111	342
Faucet. Self-closing	W. Webster	777,872	Dec. 20	2738	614	112	2061
Faucet. Soda-fountain	E. J. Calley	756,420	Aug. 2	551	117	111	1161
Faucet-spout. Sheet-metal	W. S. Stapley	753,749	Mar. 1	1023	232	109	220
Faucet. Two-way	S. S. Williamson	763,826	June 28	4574	951	110	2448
Faucet. Vented	W. L. Miggett	769,099	Aug. 30	6075	1270	111	2464
Faucet. Water	M. Pitt	754,344	Mar. 8	2198	489	109	497
Faucet. Water mixing and heating	L. M. Hooper	771,473	Oct. 4	493	111	112	1063
Feather and producing same. Waterproofed ostrich-	C. A. Potter	771,999	Oct. 11	1569		112	1308
Feather-treating machine	F. A. Huehn	777,729	Dec. 20	2476	546	113	3002
Feather-treating machines. Stop-motion for bed-	H. Bauer	760,839	May 24	4506	960	110	1058
Feed. Apparatus for converting distillery-slop into dry	C. Anderson and A. Woolner, Jr.	761,571	May 31	5929	1271	110	1387
Feed. Automatic steam-boiler	H. W. Fellows	756,948	Apr. 12	1460	323	109	1660
Feed-bag	T. L. Hawkins	754,305	Mar. 8	2140	474	109	485
Feed-bag	W. Cook	761,662	June 7	72	12	110	1454
Feed-bag	T. W. McManus	771,741	Oct. 4	1006	225	112	1174
Feed-bag	T. E. Burroughs	778,442	Dec. 27	3941	857	113	2325
Feed-bag. Horse	J. Ratzer	754,696	Mar. 15	2980	649	109	684
Feed. Boiler	F. E. Keyes	760,072	May 17	3273	623	110	706
Feed-box	W. G. Haas	772,713	Oct. 18	3030	664	112	1651
Feed-controller	J. P. Wyrner	777,361	Dec. 13	1763	392	113	1883
Feed-cutter	F. Hamacheck	757,614	Apr. 19	2825	617	109	1977
Feed-cutter	W. Houghton	759,109	May 3	1035	618	110	235
Feed device. Automatic	G. H. Preston	765,993	July 26	4184	893	111	951
Feed mechanism	F. H. Lippincott	759,291	May 10	1465	293	110	355
Feed mechanism	C. J. Bellamy	769,677	Sept. 6	1032	222	112	236
Feed mechanism. Automatic	G. F. Hutchins	764,851	July 12	1960	403	111	445
Feed mechanism. Automatic vacuum and suction.	A. D. Coleman	753,123	Feb. 23	4470	995	108	2087
Feed mechanism. Boiler	P. Marshall	777,119	Dec. 13	1313	210	113	1735
Feed or litter carrier	L. C. Smith	751,020	Feb. 2	438	103	108	1154
Feed regulator and low-water alarm. Automatic water-	A. M. Masters	750,293	Jan. 26	3477	752	108	824
Feed-regulator. Automatic	E. R. Draver	760,435	May 24	3667	776	110	875

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Feed-regulator. Automatic.	W. Baker	771,598	Oct. 4	746	167	112	1118
Feed-regulator. Automatic.	H. H. Bousser	771,734	Oct. 4	1067	239	112	1187
Feed. Steam-boiler water.	T. M. Wilkins	769,368	Sept. 6	458	102	112	102
Feed-trough.	J. L. Smith	718,802	Jan. 5	462	104	108	103
Feed-trough.	T. L. Carpenter	739,717	Jan. 19	2385	504	108	509
Feed-trough.	S. J. Bethea	763,951	July 5	5	2	111	8
Feed-trough.	C. Johnson	765,242	July 19	2985	559	111	617
Feed-trough.	J. Hodgins	767,643	Aug. 16	3061	639	111	1756
Feed-trough attachment.	T. L. Peacock	748,647	Jan. 5	183	44	108	41
Feed-trough. Knockdown	E. J. Ingwersen	753,400	Mar. 1	329	74	109	74
Feed-water heater.	J. P. Urbanek	752,270	Feb. 16	2797	680	108	1701
Feed-water heater.	W. A. McKee	752,994	Feb. 23	4240	944	108	2036
Feed-water heater.	W. Wright	755,094	Mar. 22	3707	814	109	863
Feed-water heater.	S. Elliott	755,286	Mar. 22	4050	898	105	984
Feed-water heater.	L. and I. Wismer	755,981	Mar. 20	5409	1195	109	1250
Feed-water heater.	E. H. Schwartz	756,417	Apr. 5	458	95	109	1440
Feed-water heater.	J. E. Lewis	767,665	Apr. 19	2926	636	109	2000
Feed-water heater.	S. W. Simpson	757,846	Apr. 19	3273	709	109	2075
Feed-water heater.	T. Y. Stewart	758,484	Apr. 26	4528	973	109	2371
Feed-water heater.	A. J. Sweet	758,718	May 8	271	54	110	70
Feed-water heater.	G. Grassmann	761,670	June 7	12	16	110	1458
Feed-water heater.	E. R. Gustavus	764,457	July 5	1119	227	111	247
Feed-water heater.	B. Ekenberg	773,132	Oct. 25	4000	847	112	1889
Feed-water heater.	G. A. Otis	774,992	Nov. 15	2865	611	113	678
Feed-water heater.	B. J. White	774,997	Nov. 15	2872	613	113	679
Feed-water heater and purifier.	H. H. Kingsley	769,000	Aug. 30	5881	1234	111	2422
Feed-water heater and purifier.	J. N. Barnum	772,774	Oct. 18	3158	687	112	1677
Feed-water heaters. Device for controlling the supply of steam to	M. P. Osbourn	752,998	Feb. 23	4246	946	108	2037
Feed-water purifier.	J. M. Smith	754,907	Mar. 15	3370	737	109	770
Feed-water purifier.	G. E. Turner	771,339	Oct. 4	232	52	112	1010
Feed-water purifier and filter.	W. Lougherty	769,792	Sept. 13	1238	266	112	297
Feed-water. Purifying.	J. B. L. Destombes	753,860	Mar. 8	1294	291	109	299
Feed-water regulator	R. G. Brooke	756,574	Apr. 5	736	158	109	1497
Feed-water regulator	J. B. Perkins	757,837	Apr. 19	3253	705	109	2071
Feed-water regulator	A. W. Rowinsky	759,131	May 3	1070	215	110	243
Feed-water regulator	A. Kollar and H. Young	769,092	Aug. 30	6058	1267	111	2460
Feed-water regulator	L. B. Fulton	770,634	Sept. 20	2851	606	112	676
Feed-water regulator	L. B. Fulton	770,635	Sept. 20	2853	606	112	677
Feed-water regulator	T. M. Wilkins	772,303	Oct. 11	2199	498	112	1459
Feed-water regulator	W. A. Garrigus	775,896	Nov. 22	3739	703	113	907
Feed-water regulator.	J. W. Lytton	778,592	Dec. 27	4226	921	113	2386
Feed-water regulator. Boiler	H. B. Nichols and T. R. Whittaker	762,188	June 7	1088	230	110	1675
Feed-water-regulator.	J. Woods and F. H. Graves	775,412	Nov. 22	3787	801	113	914
Feed-water-supply-regulating apparatus	J. D. Davis	768,730	June 28	4151	911	110	2407
Feeder.	C. W. Thomas	777,355	Dec. 13	1733	390	113	1831
Feeder and band-cutter.	J. A. Anderson	758,290	Apr. 26	4153	897	109	2286
Feeder and band-cutter.	F. E. Riner and F. L. Thomas	759,552	May 10	1970	402	110	466
Feeder. Animal.	P. E. and C. F. Howard	776,912	Dec. 6	900	194	113	1625
Feeder. Automatic	C. G. Lundin	761,689	June 7	135	23	110	1468
Feeder. Automatic boiler.	N. F. Roadhouse	768,542	Aug. 23	4926	1031	111	2191
Feeder. Automatic boiler.	H. J. Davis and P. G. Ault	774,833	Nov. 15	2546	547	113	602
Feeder. Automatic boiler.	N. F. Roadhouse	775,682	Nov. 22	4374	923	113	1041
Feeder. Automatic poultry.	J. Anderson	772,121	Oct. 11	1827	405	112	1366
Feeder. Automatic poultry.	J. Anderson	772,122	Oct. 11	1828	405	112	1366
Feeder. Automatically-regulated steam-boiler	E. L. del Castillo	764,988	July 12	2226	460	111	508
Feeder. Boiler.	H. H. Lyon	769,391	Sept. 6	502	111	112	113
Feeder protection	L. Andrews	772,323	Oct. 11	2230	491	112	1459
Feeder protection. Parallel.	L. Wilson	751,595	Feb. 9	1502	341	108	1397
Feeder. Steam-boiler	J. J. Burke	750,085	Jan. 19	3097	666	108	721
Feeder. Steam-boiler	L. C. Parker	766,894	Aug. 9	1590	333	111	1413
Feeder. Time stock	J. R. Ray and W. E. Sankey	760,482	May 24	3763	797	110	886
Feeders. Protective device for parallel.	L. Wilson	771,346	Oct. 4	244	54	112	1013
Feeding apparatus. Material.	W. M. Wheelton	756,307	Apr. 5	225	47	109	1393
Feeding apparatus. Material.	W. E. Nickerson	767,591	Aug. 16	2553	618	111	1733
Feeding appliance. Animal.	B. Baughman	769,205	Sept. 6	124	31	112	29
Feeding device.	W. Francis, F. L. Morton, and W. Spink	761,040	May 24	4926	1044	110	1146
Feeding device and fixtures. Automatic.	Z. Xevers	756,765	Apr. 5	1091	242	109	1575
Feeding device. Mechanical	T. L. and T. J. Sturtevant	758,119	Apr. 26	3818	828	109	2214
Feeding device. Stock.	E. C. Mueller	767,078	Aug. 9	1943	405	111	1493
Feeding-hopper.	C. R. Moon	756,974	Apr. 12	1520	334	109	1651
Feeding-machine and printing-press controlling mechanism.	T. C. Dexter	765,414	July 19	3026	634	111	691
Feeding mechanism.	R. H. Dempcy	755,632	Mar. 29	4706	1046	109	1090
Feeding mechanism.	E. A. Oakes, Jr.	763,635	June 28	3963	863	110	2386
Feeding mechanism.	C. J. Bellamy	769,294	Sept. 6	322	73	112	68
Feeding mechanism. Boiler.	E. F. Field	772,410	Oct. 18	2129	533	112	1521
Feeding mechanism for granular material.	G. H. Trench	756,298	Apr. 5	213	44	109	1389

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Feeding neutralizing agents to steam-boilers. Apparatus for	J. Noey and T. A. McGuiggan	757,426	Apr. 12	2429	529	109	1875
Feeding solutions to boilers. Device for	H. Sweet	765,154	July 12	2539	531	111	567
Feeding water to steam-boilers. Apparatus for	T. Brazda	758,660	May 10	2156	449	110	511
Felling trees or sawing wood. Electric apparatus for	T. O. Wilson	771,518	Oct. 4	592	132	112	1084
Felly-joint	J. B. Higginbotham	776,323	Nov. 29	5603	1187	113	1332
Felly-joint holder	W. J. Cranford	750,263	Jan. 26	3425	740	108	812
Felly Wheel	H. C. Bettendorf	764,549	July 12	1341	872	111	311
Felt cloth. Making	P. C. Waring	762,264	June 7	1236	266	110	1708
Felt-spreader	J. H. Ostrander	754,797	Mar. 15	3167	690	109	726
Felted fabric and producing same	G. Davison, Jr.	755,219	Mar. 22	3930	870	109	908
Felting	T. B. Flavell and G. W. Dykman	762,234	June 7	1175	252	110	1695
Felting apparatus	T. B. Flavell and G. W. Dykman	763,273	June 21	3275	706	110	2191
Fence	J. S. Barnes and C. A. Willmarth	749,714	Jan. 19	2380	503	108	568
Fence	H. Allen	751,600	Feb. 9	1511	343	108	1399
Fence	J. A. Odell	752,854	Feb. 23	3983	882	108	1966
Fence	P. M. Bounds	753,327	Mar. 1	21	5	109	7
Fence	W. C. Reimiller	754,389	Mar. 8	2337	510	109	527
Fence	S. S. Knight	756,969	Apr. 12	1509	332	109	1679
Fence	G. Bronson	758,046	Apr. 26	3673	796	109	2184
Fence	I. Haws	758,598	Apr. 26	4736	1024	109	2422
Fence	S. N. Soper	760,407	May 17	3612	761	110	846
Fence	J. Pence	763,302	June 21	318	677	110	216
Fence	G. L. Ricks	764,573	July 5	967	195	111	215
Fence	J. A. Graham	765,729	July 26	3681	785	111	842
Fence	J. A. Odell	769,320	Sept. 6	369	85	112	80
Fence	J. D. Paldi	771,172	Sept. 27	3920	827	112	980
Fence	J. Weirich	771,057	Oct. 11	1481	636	112	1288
Fence	J. A. Le Hew	773,335	Nov. 22	3615	766	113	873
Fence	H. Meinecke	775,759	Nov. 22	4513	957	113	1071
Fence-barb	J. H. Akin	756,313	Apr. 5	237	49	109	1395
Fence-brace	A. W. Whaley	756,576	Apr. 26	4720	1018	109	2414
Fence-building apparatus	W. F. Lindsey and W. H. Finley	772,810	Oct. 18	3212	650	110	1689
Fence-building machine	J. R. Wethington	758,321	Mar. 29	5085	1130	109	1176
Fence-clamp	W. C. Matteson	761,595	May 31	5968	1281	110	1397
Fence clamp. Wire	J. C. Hollingsworth	762,411	June 14	1545	338	110	1794
Fence clip. Wire	J. W. Bodge	763,339	June 21	3933	738	110	2217
Fence construction. Wire	C. F. Black	771,605	Oct. 4	737	169	112	1130
Fence fabric. Wire	T. Litwiler	763,223	Sept. 6	161	30	112	35
Fence. Flood	J. Elliott	777,613	Dec. 13	2270	498	113	1941
Fence-gate	H. H. Harman	763,392	June 8	3544	763	110	2271
Fence knot or tie. Wire	G. S. Tiffany	774,210	Nov. 8	1219	280	113	315
Fence lightning-stay	J. N. Reynolds and J. C. Jenkins	768,077	Aug. 23	3984	837	111	1980
Fence lock. Wire	C. A. Brown and R. C. Kerr	772,773	Dec. 27	4555	997	113	2460
Fence locking-plate. Wire	W. G. Renaker	758,780	May 3	399	80	110	98
Fence-loom	C. A. Willmarth and J. S. Barnes	772,449	Oct. 18	2504	548	112	1538
Fence-loom web-magazine. Wire	V. Hoxie	771,151	Sept. 27	3681	815	112	921
Fence machine. Wire	J. M. Denning	772,405	O.-s. 18	2419	531	112	1519
Fence machine. Wire	J. Imbler	773,076	Oct. 25	3821	815	112	1845
Fence machine. Wire	C. S. Hensley	773,321	Oct. 25	4394	817	112	1974
Fence-making machine. Ornamental	J. E. Fredrick	773,491	Oct. 25	4768	1006	112	2055
Fence-making machine. Wire	J. E. Fredrick	772,231	Oct. 11	2051	451	112	1414
Fence material	J. Stickley	758,154	Apr. 26	3879	842	109	2229
Fence. Movable wire	J. K. Harris	767,813	Aug. 16	3372	713	111	1824
Fence or gate. Flood	J. J. Johnson	758,063	May 3	1484	837	111	1980
Fence. Portable	F. A. Stone and J. F. Bear	766,347	Aug. 2	823	173	111	1921
Fence-post	G. W. Todd	748,817	Jan. 5	493	111	108	112
Fence-post	H. Hansberger	748,946	Jan. 5	761	165	108	173
Fence-post	J. K. Harris	749,056	Jan. 5	1021	215	108	235
Fence-post	H. McFeron	749,944	Jan. 19	2632	667	108	897
Fence-post	S. O. Campbell	750,356	Jan. 29	3407	737	108	807
Fence-post	J. B. Engstrom	751,622	Feb. 9	1532	353	108	1407
Fence-post	S. C. Silver	752,930	Feb. 23	4107	914	108	2006
Fence-post	J. N. Erixon	752,964	Feb. 23	4184	932	108	2023
Fence-post	A. Adam	753,347	Mar. 1	227	54	109	101
Fence-post	W. R. Borden	753,467	Mar. 1	461	108	109	101
Fence-post	M. E. Lerch	753,892	Mar. 8	1354	305	109	312
Fence-post	V. E. Randall	753,913	Mar. 8	1397	315	109	322
Fence-post	J. Scheidler	753,923	Mar. 8	1422	320	109	328
Fence-post	J. Scheidler	753,923	Mar. 8	1423	330	109	328
Fence-post	C. H. Lewis and C. Book	756,032	Mar. 29	5508	1214	109	1270
Fence-post	A. H. and C. R. Cook and W. H. Hood	757,026	Apr. 12	1626	354	109	1708
Fence-post	V. E. Randall	757,962	Apr. 19	3486	755	109	2123
Fence-post	M. C. Wix	757,969	Apr. 19	354	767	109	2135
Fence-post	H. J. Donahoe	758,062	Apr. 19	3561	771	109	2139
Fence-post	F. Hedrick	758,178	Apr. 26	3927	852	109	2238
Fence-post	J. B. Goudry	758,591	Apr. 26	4753	1024	109	2422
Fence-post	J. P. Plattenberger	758,778	May 3	397	79	110	97
Fence-post	M. T. Carolan	759,344	May 10	1565	316	110	315
Fence-post	J. M. Van Meter	759,488	May 10	1851	373	110	440

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Fence-post	C. A. Willmarth.	759,838	May 10	2533	530	110	588
Fence-post	C. Colvin.	759,908	May 17	2778	582	110	660
Fence-post	S. Fielder.	760,112	May 17	3065	641	110	724
Fence-post	S. Witt.	760,507	May 24	3814	809	110	910
Fence-post	J. T. Martin and E. L. Wilson.	761,085	May 31	5025	1065	110	1187
Fence-post	W. Ferguson.	761,291	May 31	5465	1153	110	1273
Fence-post	C. B. Dewiler.	761,455	May 31	5727	1220	110	1343
Fence-post	J. S. and T. Hohulin.	764,468	July 5	1143	232	111	252
Fence-post	J. W. Gibson.	766,687	Aug. 2	1135	235	111	1293
Fence-post	C. A. Chamberlin.	768,012	Aug. 16	3818	797	111	1920
Fence-post	L. Kypke.	768,231	Aug. 23	4252	903	111	2046
Fence-post	G. Callins.	771,042	Sept. 27	3657	770	112	872
Fence-post	J. S. Hannon.	772,614	Oct. 18	2825	620	112	1607
Fence-post	N. A. Field.	772,795	Oct. 18	3190	694	112	1684
Fence-post	A. Cottom.	773,063	Oct. 25	3794	810	112	1838
Fence-post	R. W. Shock.	773,298	Oct. 25	4354	919	112	1968
Fence-post	R. B. Bennett.	773,706	Nov. 1	333	73	113	80
Fence-post	F. L. Williams.	774,013	Nov. 1	954	198	113	217
Fence-post	J. M. Narsh.	774,099	Nov. 1	1125	239	113	255
Fence-post	E. Bruley.	774,306	Nov. 8	1490	320	113	353
Fence-post	E. Bruley.	775,918	Nov. 22	4005	845	113	961
Fence-post	A. F. Weissinger.	775,715	Nov. 22	4438	938	113	1054
Fence-post	J. Steward.	776,624	Dec. 6	818	68	113	1499
Fence-post	W. L. Vestal.	776,968	Dec. 6	1020	218	113	1654
Fence-post	J. W. Childs.	777,600	Dec. 13	2246	493	113	1986
Fence-post and electrical conductor	C. E. Griffin and H. A. Low.	779,554	Jan. 12	3692	782	110	881
Fence-post base	E. T. Felt, and W. A. Stewart.	749,254	Jan. 12	1614	341	108	389
Fence-post base	S. C. Powe.	766,971	Aug. 9	1739	364	111	1448
Fence-post blocks. Apparatus for molding	L. Wallace.	761,275	May 31	5385	1144	110	1265
Fence-post. Cement	H. P. Ewell.	760,111	May 17	3063	641	110	724
Fence-post. Cement	B. H. McMillan, W. C. Johnson, and F. M. Colford.	778,697	Dec. 27	4410	965	113	2429
Fence-post. Composite	B. F. Stultz.	766,550	Aug. 2	827	174	111	1222
Fence-post device	I. M. Warner.	769,967	Sept. 13	1577	336	112	372
Fence-post-driving machine	R. M. Jones.	755,677	Mar. 29	4777	1063	109	1106
Fence-post-driving machine	W. H. Compton.	768,385	June 14	1456	324	110	1781
Fence-post. Metallic	J. W. Altmyer.	774,371	Nov. 8	1606	345	113	378
Fence-post. Metallic	G. B. Greer.	774,592	Nov. 8	2049	437	113	463
Fence-post-molding apparatus. Concrete.	G. M. Graham.	760,445	May 24	3692	782	110	881
Fence-post. Plastic	J. C. Brooks.	754,119	Mar. 8	1792	399	109	412
Fence-post. Portable metallic	E. May.	762,645	June 11	2037	441	110	1899
Fence-posts. Attaching means for securing wires to.	T. W. Gladhill.	768,598	Aug. 30	5071	1064	111	2241
Fence-reel.	G. W. Whittington.	771,405	Oct. 4	382	84	112	1038
Fence-reel heads. Machine for making wire.	C. Johnson.	756,658	Apr. 12	1282	287	109	1633
Fence-stay-clamp. Wire.	P. B. Yeider.	763,830	June 28	4383	952	110	2450
Fence-stay fastener. Wire.	E. Bartholomew.	773,624	Nov. 1	166	37	113	42
Fence-stay-wire tie. Woven.	E. E. Metcalf.	762,921	June 21	2612	566	110	2044
Fence-stretcher and post. Combined	J. W. Hutchison.	769,479	Sept. 6	674	146	112	153
Fence-stretcher. Wire.	W. J. Masters.	767,585	Aug. 16	2943	616	111	1730
Fence-stretching lever. Wire.	L. S. Doan.	770,565	Sept. 20	2722	576	112	648
Fence structure.	L. S. Bailey.	749,015	Jan. 5	919	194	108	214
Fence tie. Wire.	O. S. Sturtevant.	760,971	May 17	3365	708	110	792
Fence-tightener. Wire.	W. H. Kuhlman.	766,954	Aug. 9	1711	358	111	1441
Fence-tool.	I. Stripe.	765,328	July 19	2860	598	111	655
Fence-tool. Wire.	J. A. Miller.	757,213	Apr. 12	1993	434	109	1785
Fence-weaving machine.	B. F. Bailey.	756,928	Apr. 12	1417	316	109	1661
Fence-weaving machine. Wire.	J. J. Foss.	750,839	Feb. 2	117	26	108	1083
Fence. Wire	A. E. Blashill.	757,646	Apr. 19	2850	630	109	1993
Fence. Wire	S. S. Withington.	749,137	Jan. 5	1185	253	108	274
Fence. Wire	W. M. Dillon.	755,637	Mar. 29	4713	1048	109	1092
Fence. Wire	W. B. Hughes.	757,928	Apr. 19	3426	741	109	2110
Fence. Wire	J. S. Martin.	765,706	May 3	381	76	110	94
Fence. Wire	G. E. Conklin.	761,286	May 31	5416	1151	110	1271
Fence. Wire	W. W. Berry.	762,019	June 7	789	161	110	1610
Fence. Wire	W. M. Wadleigh.	763,446	June 28	3655	787	110	2296
Fence. Wire	S. G. Shaw.	765,256	July 19	2707	564	111	622
Fence. Wire	F. Vogelzang.	767,559	Aug. 16	2803	605	111	1710
Fence. Wire	C. S. Beebe.	769,049	Aug. 30	5984	1254	111	2444
Fence. Wire	W. N. Parrish.	769,180	Sept. 6	83	21	112	20
Fence. Wire	E. Kearney.	773,200	Oct. 25	4280	905	112	1951
Fence-wire. Barbed.	A. B. and H. L. Frost and A. Robertson.	777,622	Dec. 13	2282	501	113	1944
Fence-wire-clamping device	J. A. Clements.	766,424	Aug. 2	558	118	111	1162
Fence-wire-fastening device	E. Wheeler.	774,295	Nov. 8	1471	316	113	348
Fence-wire stretcher	A. J. Chandler.	750,750	Jan. 26	4369	944	108	1017
Fence-wire stretcher	L. A. Butts.	751,608	Feb. 9	1521	346	108	1401
Fence-wire-tightening device or tool	F. Vogelzang.	765,445	June 28	3654	787	110	2295
Fence-wires. Fastening.	C. H. Hanson.	766,845	Aug. 2	413	87	111	1131
Fences. Compensating spring for wire.	A. E. Bailey.	760,513	May 24	3827	812	110	914
Fencing. Machine for weaving diamond-mesh.	G. W. Whittington.	768,102	Aug. 23	4088	849	111	1991
Fencing standard and batten. Wire.	J. Wright.	755,427	Mar. 22	4323	956	109	992
Fencing tie. Wire.	O. S. Sturtevant.	772,196	Oct. 11	1962	434	112	1394
Fencing-tool	J. F. Moore.	765,031	July 12	2294	477	111	517
Fencing. Wire	J. W. Sommer.	756,540	Apr. 5	683	146	109	1387
Fencing. Wire	C. B. Baumgartner.	758,125	Apr. 26	3828	831	109	2216
Fencing. Wire	J. Harris.	759,894	May 17	2837	593	110	673
Fencing. Wire	F. H. Daniels.	761,663	June 7	74	12	110	1454

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Fender:							
See Automobile-fender.	Grate-fender.						
Car-fender.	Plow-wheel fender.						
Cultivator-fender.	Wheel-fender.						
Elevator-fender.							
Fender	G. Parisien and J. H. Gingras.	749,878	Jan. 19	2694	576	108	637
Fender	C. H. Root.	755,794	Mar. 29	5045	1151	109	1167
Fender	O. O. Harrison.	759,707	May 10	2365	468	110	529
Fender or guard	F. H. Seavey.	771,329	Oct. 4	215	48	112	1007
Permenting and storing vessels.	Coating internal walls of metal.	750,986	Feb. 2	379		108	1141
Perrules, &c.	Machine for contracting.	M. C. Schweinert and H. P. Kraft.	758,195	Apr. 26	3955	858	109 2244
Ferruling shade-rollers.	Machine for.	C. Flagler	759,360	May 10	1612	324	110 385
Fertilizer.	E. F. Wright	763,450	June 28	3668		110	2927
Fertilizer and grain distributor.	R. Y. Kessler	750,463	Jan. 26	3792	824	108	694
Fertilizer-distributor	W. Fezzer	766,680	Aug. 2	1118	292	112	1289
Fertilizer-distributor	O. W. and L. E. Siebenhaar	749,334	Jan. 12	1605	340	108	386
Fertilizer-distributor	E. C. and H. L. Litchfield	749,695	Jan. 12	2326	491	108	539
Fertilizer-distributor	J. Campbell	750,164	Jan. 19	3243	699	108	753
Fertilizer-distributor	R. Love	750,381	Jan. 26	3640	790	108	861
Fertilizer-distributor	M. L. Baker	754,408	Mar. 15	2395	594	109	557
Fertilizer-distributor	M. McLeod	755,160	Mar. 22	3819	844	109	887
Fertilizer-distributor	J. M. Butler	757,020	Apr. 12	1618	352	109	1702
Fertilizer-distributor	J. S. Kemp	758,537	Apr. 26	4646	1000	109	2398
Fertilizer-distributor	A. J. Graves	764,805	July 12	1858	382	111	422
Fertilizer-distributor	J. G. Love	766,632	Aug. 2	1004	211	111	1265
Fertilizer-distributor.	L. W. Hamilton	770,064	Sept. 13	1749	369	112	412
Fertilizer-distributor.	J. H. Howard	770,174	Sept. 13	1946	415	112	454
Fertilizer-distributor.	J. C. Sparks	771,104	Sept. 27	3753	796	112	901
Fertilizer-distributor.	J. D. Daniel	771,129	Sept. 27	3831	809	112	929
Fertilizer-distributor.	G. Cox	772,250	Oct. 1	2029	422	112	1410
Fertilizer-distributor	A. Fairly	772,239	Oct. 11	2048	450	112	1414
Fertilizer-distributor	D. B. Merrell	773,332	Oct. 25	4424	938	112	1982
Fertilizer-distributor	T. J. Waddell	775,357	Nov. 22	3676	780	113	888
Fertilizer-distributor	R. Love	777,291	Dec. 13	1615	358	113	1800
Fertilizer-distributor	E. J. Corser	778,013	Dec. 20	3091	679	113	2125
Fertilizer-distributor	J. Blue	778,440	Dec. 27	3937	856	113	2324
Fertilizer-distributor	M. H. Meyer	778,690	Dec. 27	4399	962	113	2426
Fertilizer-distributor and cotton-planter.	I. C. Clyburn	788,843	Jan. 5	543	124	108	123
Fertilizer-distributor and cotton-seed planter.	C. M. Huff	788,502	Aug. 30	5467	1151	111	2328
Combined							
Fertilizer-distributor and grain-drill.	Combined.	J. M. Olinger	766,892	Aug. 9	1586	333	111 1412
Fertilizer-distributor and seed-drill	J. P. Stevens	760,726	Jan. 26	4321	934	108	1004
Fertilizer-distributor gearing	J. S. Kemp	761,234	May 31	5308	1137	110	1249
Fertilizer-distributors. Automatic reversing attachment for	H. A. Zobrist	773,842	Nov. 1	593	128	113	136
Fertilizer-dropper	P. F. Randolph	777,431	Dec. 13	1891	417	113	1861
Fertilizer-mixing apparatus	W. M. Hale	771,303	Feb. 2	1143	200	108	1300
Fertilizer-spreader	C. H. Weber	782,135	Feb. 16	2535	565	108	1640
Fiber-cleaning machine	M. Prieto	752,258	Feb. 16	2774	616	108	1695
Fiber-cleaning machine.	M. Prieto	753,628	Mar. 1	779	173	109	169
Fiber-cleaning machine.	M. Prieto	753,736	Mar. 1	996	236	109	215
Fiber-cleaning machine.	J. Garcia	777,017	Dec. 6	1112	241	113	1674
Fiber-decorticating machine	G. M. E. Pos	772,833	Oct. 18	3229	704	112	1693
Fiber material suitable for twisting and spinning.	R. Kron, Jr.	762,914	June 21	2600	562	110	2041
Manufacture of rolls of short.							
Fiber material to magazine-rolls. Rolling up small strips of short.	R. Kron	762,641	June 14	2027	438	110	1897
Fiber-pulling machine	F. Wilkinson	765,723	July 26	3671	783	111	839
Fiber strip	I. H. Goodman	765,238	July 19	2677	784	111	616
Fiber vessel	J. J. Shea	772,258	Oct. 11	2116	463	112	1430
Fibers. Apparatus for retting vegetable	B. S. Summers	774,856	Nov. 15	2594	556	113	614
Fibers. Solution for treating textile	G. R. de Montlond	762,834	June 14	2420		110	1983
Fibers together. Felting or matting	G. Goldman	758,244	Apr. 26	4053		109	2264
Fibers together. Felting or matting	G. Goldman	758,311	Apr. 26	4209		109	2301
Fibers together. Matting or felting	G. Goldman	758,243	Apr. 26	4048		109	2263
Fibers together. Uniting or matting	G. Goldman	758,245	Apr. 26	4055		109	2265
Fibers together. Uniting or matting	G. Goldman	758,246	Apr. 26	4057		109	2266
Fibers together. Uniting or matting	G. Goldman	758,247	Apr. 26	4058		109	2266
Fibrous material. Feeding mechanism for machines for treating	W. A. and A. M. Shely.	759,199	May 3	1226	247	110	280
Fibrous material. Machine for breaking and cleaning	W. A. and A. M. Shely	759,197	May 3	1209	245	110	274
Fibrous material. Machine for breaking and scutching	W. A. and A. M. Shely	759,198	May 3	1216	246	110	276
Fibrous material. Machine for compressing and reeling	M. L. Luebben	750,672	Jan. 26	4184	908	108	974
Fibrous materials. Machine for compressing	J. T. Cowley	756,099	Mar. 29	5631	1243	109	1298
Fibrous matter. Nitrating	J. Selwig	764,776	July 12	1800	369	111	410
Fibrous pads or batting. Making	G. Goldman	758,599	Aug. 30	5072		111	2241
Fibrous plants. Machine for disintegrating	M. Prieto	755,931	Mar. 29	5319	1174	108	1239
Fibrous plants. Machine for treating	W. B. Gray	754,994	Mar. 22	3354	774	109	823
Field-winding support	B. A. Behrend	759,210	May 3	1256	252	110	286
Fifth-wheel	I. Teeter and B. E. Sly	751,699	Feb. 9	1686	383	108	1435

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Fifth-wheel	J. Sommer	751,877	Feb. 9	2037	461	108	1512
Fifth-wheel	H. N. and J. E. Weaver	756,750	Apr. 5	1068	238	109	1571
Fifth-wheel	J. S. Barnette	758,951	May 3	746	148	111	173
Fifth-wheel	D. McCausland	770,771	Sept. 27	3110	960	112	732
Fifth-wheel	G. R. Morton	776,533	Dec. 6	133	31	113	1455
Fifth-wheel construction	H. A. Lanman	755,231	Mar. 22	3951	875	109	913
Fifth-wheel. Vehicle	H. Miller and G. L. Riedel	758,516	Mar. 22	4473	994	109	1024
Filaments or films from viscose. Manufacture of	C. N. Waite	739,332	May 10	1543	110	871	
File.	F. X. Boehler	769,724	Sept. 13	1117	240	112	271
File.	C. B. Smith	769,772	Sept. 13	1209	260	112	291
File.	F. C. Billings	773,463	Oct. 25	4698	993	112	2039
File. Bill.	G. L. Burgess	753,849	Mar. 8	1273	286	109	294
File. Bill.	F. Smith	760,381	May 24	4682	997	110	1095
File. Bill.	J. P. Womble	773,159	Nov. 15	3206	684	113	755
File-binder	T. P. Randolph	761,997	June 7	754	154	110	1603
File. Book.	H. McCormick	762,836	June 14	2431	523	110	1984
File-cabinet	E. M. Lundholm	765,928	July 26	4060	868	111	924
File. Cabinet or index	A. E. Walker	763,704	June 28	4132	901	110	2397
File. Card.	L. Senge	767,357	Aug. 9	2476	518	111	1606
File. Card-index	J. H. Van Horn	774,215	Nov. 8	1326	281	113	316
File-case. Account-book	B. Fiala and C. Goelz	777,720	Dec. 30	2460	541	113	998
File. Combination credit.	W. D. Mitchell	748,631	Jan. 5	152	37	108	34
File. Corn or callous	R. M. Johnson, Jr., and M. J. Ziegler	770,176	Sept. 13	1949	416	112	455
File. Document.	J. H. Van Horn	764,645	July 12	1546	315	111	354
File. Document.	T. B. Brown	777,887	Dec. 20	2814	618	113	2071
File. Document binder	G. Bonnell	776,992	Dec. 10	1062	230	113	1663
File-holder	M. J. Wade	776,569	Dec. 6	207	46	113	1474
File. Newspaper.	F. X. Krabach	776,853	Dec. 6	795	172	113	1601
File or binder	J. L. McMillan	764,618	July 12	1486	304	111	342
File or rasp cutting machine	H. Crane, Jr.	763,727	June 28	4176	909	110	2406
File. Order and record	H. J. Ries	764,379	July 5	968	195	111	215
File. Paper.	C. C. Boykin	749,021	Jan. 5	983	197	108	217
File. Paper.	M. Rich	761,181	May 31	5199	1105	110	1225
File. Paper.	P. H. Yawman	774,410	Nov. 8	1678	360	113	393
File. Paper.	C. S. Shell	773,430	Nov. 22	3267	939	113	922
File. Paper.	M. G. Bristow	775,645	Nov. 22	4299	908	113	1026
File. Paper.	W. F. Krone	776,247	Nov. 29	5488	1163	113	1307
File-recutting apparatus	W. S. Johnson	761,968	June 7	695	141	110	1592
File. Vertical letter.	R. B. Buckwalter	773,275	Oct. 25	4310	911	112	1958
Files. Following-block clutch for card-index or document	C. Zimmerli	763,716	Aug. 30	5314	1117	111	2293
Filing-cabinet.	H. W. Andrews	758,039	Apr. 26	3660	791	109	2180
Filing-cabinet.	F. J. Dolan	764,930	July 12	2132	441	111	484
Filing-cabinet. Sectional.	H. J. Huenig	757,194	Apr. 12	1963	428	109	1779
Filing-cabinets, &c. Means for securing movable partitions in	E. J. Noblett	756,392	May 10	1672	358	110	399
Filing-case	B. Pirosh	766,285	Oct. 2	304	61	111	1108
Filing-case or the like. Extension	E. J. Noblett	771,319	Oct. 4	193	42	112	1002
Filing-case. Paper.	G. Miller	751,987	Feb. 19	2282	510	106	1564
Filing-drawer	T. Carney and F. L. Hewitt	760,848	May 24	4528	914	110	1061
Filing-drawer	J. F. Cordes	768,735	Aug. 30	5345	1126	111	2300
Filing apparatus.	J. A. Allardice	769,244	Sept. 6	206	49	112	45
Filing-machine	J. E. Prescott	751,555	Feb. 9	1423	323	108	1380
Filing-machine	F. C. H. Strasburger	768,962	Aug. 30	5304	1219	111	2405
Filing-machine	F. C. H. Strasburger	768,963	Aug. 30	5306	1220	111	2405
Filing-machine	F. C. H. Strasburger	768,964	Aug. 30	5308	1220	111	2405
Filing-machine. Automatic	W. Koedding	773,573	Nov. 1	81	16	113	22
Filing-machine valve	F. C. H. Strasburger	768,965	Aug. 30	5302	1219	111	2404
Filing-valve	F. C. H. Strasburger	768,966	Aug. 30	5309	1220	111	2406
Film-bath	H. S. Applegate	749,513	Jan. 12	1996	415	108	467
Film-developing machine.	J. M. Brainerd	763,357	June 28	3465	748	110	2254
Film-holder. Magazine	W. F. Folmer	762,035	June 7	816	167	110	1614
Film. Printing.	T. S. Fox	761,668	June 7	82	14	110	1455
Film. Roll.	H. Fritzsche	767,880	Aug. 16	3505	741	111	1852
Films in daylight. Apparatus for developing roller.	S. Jaffe	761,076	May 31	5000	1061	110	1182
Filter.	R. J. Gaud	748,857	Jan. 5	573	131	108	129
Filter.	W. Niles	749,576	Jan. 12	2102	428	108	492
Filter.	O. Löffler	752,693	Feb. 23	3634	809	108	1900
Filter.	H. G. Sweeney	752,873	Feb. 23	3968	889	108	1974
Filter.	F. Volindrot and L. F. Boillot	753,453	Mar. 1	435	102	109	95
Filter.	W. Kathol	756,375	Apr. 5	377	77	109	1424
Filter.	K. Abraham	758,945	Apr. 26	4274	918	109	2214
Filter.	O. Selg	758,390	Apr. 26	4353	935	109	2330
Filter.	P. Danckwardt	760,429	May 24	3655	773	110	872
Filter.	W. B. Klein	760,793	May 24	4423	940	110	1039
Filter.	W. G. Tousey	766,918	Aug. 9	1631	343	111	1423
Filter.	T. W. Goreau	767,590	Aug. 16	2994	605	111	1719
Filter.	A. Forbes	767,808	Aug. 16	3355	710	111	1821
Filter.	H. Marsh	768,014	Aug. 16	3820	798	111	1921
Filter.	O. Selg and C. Guntrum	768,544	Aug. 23	4930	1032	111	2101
Filter.	E. Boellinghaus	769,143	Sept. 6	4	1	112	9
Filter.	F. B. Hinkson	769,381	Sept. 6	437	108	112	9
Filter.	J. E. Langill	773,946	Nov. 1	831	174	113	191
Filter.	O. Mehnert and P. Pape	775,475	Nov. 22	3927	829	113	944
Filter.	N. B. Rice	776,550	Dec. 6	161	87	113	1461

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	De-g.	Vol.	Page.
Filter.	L. V. Rood	776,801	Dec. 6	680	150	113	1576
Filter and making same	J. G. Woolworth	760,364	May 17	3526	743	110	827
Filter and purifier. Water.	W. Woods	733,780	Mar. 1	1095	248	109	236
Filter. Barrel.	J. D. Hawkins and G. E. Gannon	756,552	Apr. 12	1275	284	109	1631
Filter-bed-cleaning apparatus. Sand.	H. W. Blaisdell	732,196	Feb. 16	2641	586 587	110	1664
Filter-beds. Apparatus for removing material from the surface of	H. W. Blaisdell	763,354	June 28	3456	746 747	110	2252
Filter-cleaner	C. D. Deshler	773,051	Feb. 2	514	130	108	1172
Filter-cloth	J. Crossley	772,132	Oct. 11	1848	410	112	1871
Filter device	W. B. Smith	776,094	Nov. 29	5186	1095	113	1237
Filter. Feed-water.	G. H. Ward	765,300	Aug. 2	328	68	111	1113
Filter. Floating water.	J. Roche	763,325	June 21	3398	731	110	2211
Filter. Floating water.	J. Roche	763,327	June 21	3370	732	110	2211
Filter. High-pressure.	W. S. Rawson	768,951	Aug. 30	5781	1215	111	2399
Filter. Oil.	C. A. Conn. (Reissue).	12,272	Oct. 11	2250	493	112	1461
Filter. Oil.	R. K. Williams	773,323	Nov. 23	3594	761	113	869
Filter plant	R. Kurka	766,955	Aug. 9	1712	359	111	1442
Filter-plate	G. W. Gerlach	778,746	Dec. 27	4498	985	113	2447
Filter-press	E. B. Hack	749,140	Jan. 5	1194	255	108	277
Filter-press	J. W. Neill	772,472	Oct. 18	2562	563	112	1550
Filter-press	E. Hatschek	776,024	Nov. 29	5057	1067	113	1209
Filter. Pressure.	G. W. Gerlach	765,277	July 19	2750	574	111	632
Filter. Pressure.	S. G. Derham	776,222	Nov. 29	5439	1152	113	1296
Filter. Pressure.	W. W. Padlock	776,677	Dec. 13	490	98,94	113	1391
Filter. Rain-spout.	A. G. Moekel	773,903	May 17	2649	555	110	630
Filter-strainer	J. M. Davidson	765,334	July 19	2874	600	111	658
Filter-tablet	W. G. Tousey	750,235	Jan. 19	3374	728	108	782
Filter. Water.	S. E. Foreman and R. T. Lightfoot	754,296	Mar. 8	2122	470	109	491
Filter. Water.	F. A. North	763,318	June 21	3358	729	110	2210
Filter. Water.	J. M. Porter	773,160	Oct. 25	4075	869	112	1906
Filter. Water.	J. H. Cox	774,233	Nov. 8	1355	288	113	323
Filtering	G. Moore	764,486	July 5	1173	299	111	258
Filtering apparatus.	C. E. Geiger	753,606	Mar. 1	927	210	109	200
Filtering apparatus.	R. B. Turner	768,094	Aug. 23	4027	847	111	1989
Filtering apparatus.	H. R. Cassel	773,473	Oct. 25	4721	996	112	2043
Filtering apparatus. Slime.	G. S. Duncan	766,025	July 26	4255	909	111	965
Filtering-boat	J. Roche	763,326	June 21	3369	910	110	2211
Filtering-machine.	J. W. Osborne	751,805	Feb. 9	1900	430	108	1481
Filtering material.	S. G. Derham	754,053	Mar. 8	1667	370	109	384
Filtering material. Apparatus for washing	C. H. Loew	756,973	Apr. 12	1518	334	109	1680
Filtering-stone	J. A. Davidson	771,971	Oct. 11	1306	340	110	595
Finger-nail buffer.	C. E. Moser	754,481	Mar. 15	2539	557	109	1385
Finger-nail clipper	H. C. Hart	748,864	Jan. 5	589	134	108	133
Finger-nail polisher.	L. J. Smith	756,071	Mar. 29	5569	1229	109	1284
Finger-pad	J. G. Marsh	760,330	May 17	3492	735	110	819
Finger-ring	F. R. Stafford	764,504	July 5	1234	251	111	308
Finger-ring	J. E. Fitzgerald	766,455	Aug. 2	580	129	111	1161
Finger-ring	G. W. Hutchison	768,282	Aug. 23	4393	922	111	2069
Finger-ring	F. R. Stafford	769,668	Sept. 6	999	216	112	227
Finger-ring	C. Schmidt	774,700	Nov. 8	2220	484	113	509
Finger-ring	M. L. Robbins	774,781	Nov. 15	2428	524	113	579
Finger-ring. Ornamental	L. E. Sadler	776,804	Dec. 6	687	151	113	1573
Finishing-roll	F. D. Stowe	768,016	Aug. 30	5713	1201	111	2384
Fire-alarm	P. McFadden	756,686	Apr. 5	940	206	109	1514
Fire-alarm	T. F. Litaker	757,994	Apr. 19	3439	745	109	2112
Fire-alarm apparatus.	L. Campbell	763,042	June 21	2827	613	110	2092
Fire-alarm. Automatic	M. K. Fred	754,555	Mar. 15	2701	587	109	625
Fire-alarm. Automatic	J. W. Griffin	774,385	Nov. 8	1630	350	113	383
Fire-alarm. Automatic and manual	W. L. Denio	749,175	Jan. 12	1266	273	108	810
Fire-alarm box.	H. Smith	773,165	Oct. 25	4094	865	112	1911
Fire-alarm circuits. Automatic non-interfering re-peater for	W. H. Kirnan	749,387	Jan. 12	1715	363	108	409
Fire-alarm. Electric	J. A. Barten and S. R. Sneeringer	750,150	Jan. 19	3214	691	108	747
Fire-alarm. Electric	A. Lueckert	755,783	Mar. 29	5023	1116	110	1362
Fire-alarm. Electric	W. B. Hopkinson	760,824	Sept. 13	1315	280	112	816
Fire-alarm electric-circuit closer	J. E. Bemiller and E. C. Weisensale	767,625	Aug. 16	3027	633	111	1748
Fire-alarm mechanism.	L. G. Woolley	750,012	Jan. 19	2956	633	108	694
Fire-alarm or temperature-annunciator	J. A. Olson	754,005	Mar. 8	1572	334	109	363
Fire-alarm system	L. G. Woolley	750,013	Jan. 19	2963	634	108	695
Fire-alarm system	B. P. Ketcham	766,360	Aug. 2	430	93	111	1137
Fire-alarm system	W. L. Denio	772,644	Oct. 18	2880	621	112	1619
Fire-alarm system. Automatic	J. C. Howe	765,386	July 19	2968	622	111	678
Fire-alarm system. Auxiliary	W. L. Denio	761,636	May 31	0051	1299	110	1415
Fire-alarm system. Telephone	W. L. Denio	762,391	June 14	1494	326	110	1788
Fire-alarm. Thermo-electric	H. Barditzky	772,772	Oct. 18	3154	686	112	1676
Fire-alarm transmission. Automatic	G. B. Bowell	777,067	Dec. 13	1218	267	113	1714
Fire-alarm transmitter. Automatic	W. L. Denio.	774,285	Oct. 4	29	6	112	967
Fire and burglar alarm. Electric.	W. C. Barger	761,572	May 31	5931	1271	110	1388
Fire and water proof flexible tubing.	G. M. Costello	761,879	June 7	542	108	110	1561
Fire and water proof insulating-covering for metallic surfaces.	J. A. Heany	754,968	Mar. 15	3308	721	109	757
Fire apparatus	B. B. Briggs	776,886	Dec. 6	857	163	113	1615

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Fire-barrier wall, partition, &c.	H. Root	755,171	Mar. 22	3848	848	109	891
Fire-box	A. H. Tucker	761,340	May 31	5515	1175	110	1293
Fire-box. Removable	F. Burger and H. M. Williams	777,938	Dec. 13	3229	489	113	1933
Fire-curtain	C. E. Uncapher and A. Andrus	764,383	July 5	3649	67	111	77
Fire-curtain	H. D. Hall and H. L. Bissett	764,882	July 12	1403	267	111	323
Fire-door	F. L. Saino	766,360	Aug. 2	493	105	111	1149
Fire-door-closing device	H. L. Cochran	752,825	Feb. 23	3879	870	108	1954
Fire door or shutter	H. T. Moody	777,300	Dec. 13	1629	363	113	1803
Fire-door. Self-closing	G. Wideman	751,593	Feb. 9	1469	341	108	1396
Fire-door support	H. C. Smith	752,188	Feb. 16	2625	582	108	1680
Fire-engine heater. Steam	J. G. Mattheis	767,586	Aug. 16	2944	617	111	1731
Fire-escape	J. Spiro	749,406	Jan. 12	1753	371	108	417
Fire-escape	M. Hirsch	749,558	Jan. 12	2076	432	108	486
Fire-escape	V. Jetley	749,736	Jan. 19	2432	517	108	579
Fire-escape	B. Brielmair	750,240	Jan. 19	3381	729	108	733
Fire-escape	C. J. Haggstrom	750,640	Jan. 26	4121	894	108	961
Fire-escape	M. C. Van Gent	751,361	Feb. 2	1090	247	108	1290
Fire-escape	C. A. Ives	751,649	Feb. 9	1600	363	108	1417
Fire-escape	J. C. Other	751,870	Feb. 9	3024	458	108	1508
Fire-escape	A. S. Bacon	752,570	Feb. 16	287	625	108	1705
Fire-escape	J. E. Smith	753,326	Mar. 1	204	45	109	47
Fire-escape	J. M. Stafford	753,930	Mar. 8	1440	323	109	332
Fire-escape	N. Larsen	755,501	Mar. 22	4444	987	109	1017
Fire-escape	W. G. Horton	755,666	Mar. 29	4763	1060	109	1103
Fire-escape	E. W. Appelman	755,832	Mar. 29	5116	1184	109	1184
Fire-escape	E. T. Marsh	756,512	Apr. 5	630	137	109	1475
Fire-escape	C. L. Graves	756,623	Apr. 5	818	176	109	1516
Fire-escape	J. B. Irving	756,641	Apr. 5	844	183	109	1521
Fire-escape	C. G. Wheland	759,335	May 10	3779	873	110	973
Fire-escape	W. R. Harretty	761,473	May 31	5760	1239	110	1350
Fire-escape	D. A. Woodhouse	761,806	June 7	392	80	110	1526
Fire-escape	S. J. Gilmore and W. S. Perry	764,187	July 5	551	109	111	122
Fire-escape	G. Blumenthal	764,339	July 5	870	178	111	190
Fire-escape	S. S. Oliver	765,075	July 26	3362	754	111	820
Fire-escape	T. M. Crows	765,726	July 26	3676	78	111	840
Fire-escape	H. J. Noll	767,165	Aug. 9	2134	444	111	1532
Fire-escape	H. J. Noll	767,166	Aug. 9	2135	444	111	1532
Fire-escape	C. Kramer	770,012	Sept. 13	1668	354	112	394
Fire-escape	J. Iron	770,838	Sept. 27	3188	675	112	708
Fire-escape	O. B. Howe	771,251	Oct. 4	66	14	112	976
Fire-escape	E. Zibell	771,521	Oct. 4	597	133	112	1066
Fire-escape	S. M. Cole	771,715	Oct. 4	968	216	112	1166
Fire-escape	O. F. Davis	771,794	Oct. 4	1132	252	112	1201
Fire-escape	W. G. Ragsdale	772,056	Oct. 11	1700	379	112	1338
Fire-escape	C. S. Canfield	773,000	Oct. 25	3588	777	112	1791
Fire-escape	H. Viereg	773,355	Oct. 25	4478	947	112	1993
Fire-escape	J. Hamilton and N. Lewis	774,470	Nov. 8	1786	385	113	415
Fire-escape	J. Watt	775,157	Nov. 15	3303	684	113	755
Fire-escape	J. Wenig	775,158	Nov. 15	3305	684	113	755
Fire-escape	M. A. Kierman	775,604	Nov. 22	4211	887	113	1006
Fire-escape	O. B. Howe	775,704	Nov. 22	4414	931	113	1049
Fire-escape	J. S. Andrews	776,483	Dec. 6	5	1	113	1424
Fire-escape	M. W. Miracle	776,609	Dec. 6	280	62	113	1492
Fire-escape	F. H. Batcock	776,716	Dec. 6	479	109	113	1537
Fire-escape	P. L. Larson	777,475	Dec. 13	1983	439	113	1882
Fire-escape	O. Lampe	777,735	Dec. 20	2491	549	113	2006
Fire-escape	B. B. Briggs	778,300	Dec. 27	3649	796	113	2262
Fire-escape	O. Ewers	778,743	Dec. 27	4491	983	113	2446
Fire-escape. Inclosed or tower	W. F. Ballinger and E. G. Perrot	777,648	Dec. 13	2332	511	113	1954
Fire-escapes. Counterbalancing stair or ladder for	P. L. Larson	752,092	Feb. 16	2438	545	108	1618
Fire-extinguisher	C. G. Hale	749,688	Jan. 12	2311	488	108	536
Fire-extinguisher	F. Yost	751,238	Feb. 2	864	198	108	1241
Fire-extinguisher	H. C. Shaw	753,007	Feb. 23	4260	940	108	2040
Fire-extinguisher	G. A. Anderson	754,037	Mar. 8	1634	364	109	376
Fire-extinguisher	A. H. Thompson	761,726	June 7	208	39	110	1484
Fire-extinguisher	W. R. Pierce	764,733	July 5	329	71	111	403
Fire-extinguisher	S. Erb and W. E. Morell	766,322	Aug. 2	176	33	111	1080
Fire-extinguisher	A. C. Battelle	778,439	Dec. 27	3935	856	113	2324
Fire-extinguisher. Automatic	F. Grinnell	761,221	May 31	5273	1121	110	1241
Fire-extinguisher. Automatic	H. W. Martin	764,743	July 12	1737	355	111	895
Fire-extinguisher. Automatic	J. Butcher	765,765	July 26	3738	798	111	854
Fire-extinguisher. Automatic	C. W. McDaniel	768,676	Aug. 30	3234	1090	111	2274
Fire-extinguisher. Automatic stationary	F. A. Phelps	776,614	Dec. 6	290	64	113	1494
Fire-extinguisher automatic valve	J. H. Derby	756,835	Apr. 12	1240	277	109	1625
Fire-extinguisher. Chemical	A. C. Badger	750,566	Jan. 26	4004	865	108	935
Fire-extinguisher. Chemical	W. C. Hickox	752,072	Feb. 16	2423	542	108	1615
Fire-extinguisher. Chemical	A. J. Knight	752,399	Feb. 16	3050	678	108	1755
Fire-extinguisher. Chemical	W. S. Strowger	762,502	June 14	1738	373	110	1835
Fire-extinguisher. Chemical	C. Nuhring	774,116	Nov. 1	1151	246	113	320
Fire-extinguisher. Chemical	C. Nuhring	774,336	Nov. 8	1350	332	113	365
Fire-extinguisher. Detonating-alarm	M. A. Libbey	767,902	Aug. 16	3539	749	111	1860
Fire-extinguisher for textile machinery	R. McArthur	770,817	Sept. 27	3223	679	112	777
Fire-extinguisher. Hand	H. L. Burt	762,382	June 14	1482	323	110	1780
Fire-extinguisher. Portable	C. Nuhring	777,131	Dec. 13	1391	295	113	1740
Fire-extinguisher sprinkler-head. Automatic	J. Hunt	770,753	Sept. 27	3071	652	112	742
Fire-extinguisher sprinkler-head. Automatic	J. Hunt	770,755	Sept. 27	3074	653	112	743
Fire-extinguisher valve. Automatic	J. Hunt	770,754	Sept. 27	3072	653	112	742
Fire-extinguishers. Means for holding acid-bottles in hand	H. H. Downing	765,379	July 19	2955	618	111	675
Fire-extinguishers. Sprinkler-head for automatic	G. E. Hibbard	750,767	Jan. 26	4416	952	108	1028

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Fire-extinguishers. Sprinkler-head for automatic.	G. E. Hibbard	750,768	Jan. 26	4419	952	108	1029
Fire-extinguishers. Valve for automatic.	W. A. Goldthwait	752,909	Feb. 23	4196	935	108	2926
Fire-extinguishing apparatus	E. W. Hicks	758,362	Apr. 26	4304	994	109	2330
Fire-extinguishing apparatus	C. Nuhring and W. M. Thompson	773,971	Nov. 1	875	185	113	201
Fire-extinguishing apparatus. Automatic	H. F. Maxim	753,897	Mar. 8	1362	307	109	314
Fire-extinguishing apparatus. Automatic	F. Fiddes	777,888	Dec. 20	2853	622	113	2075
Fire-extinguishing composition, &c.	S. T. Boyd	776,011	Nov. 29	5033	113	1303	
Fire-extinguishing device	J. H. Walrath	750,116	Jan. 26	3701	808	108	874
Fire-extinguishing device	C. Brown	752,327	Feb. 16	2909	649	108	1724
Fire-extinguishing device. Automatic	J. Galvin	774,353	Nov. 8	1580	338	113	372
Fire-extinguishing device. Automatic	J. Galvin	774,353	Nov. 8	1580	338	113	372
Fire-extinguishing sprinker. Automatic	G. Mills	775,729	Nov. 22	4458	943	113	1059
Fire-extinguishing system. Fluid-pressure	F. E. Chapman	767,137	Aug. 9	2070	430	111	1520
Fire-finish machine	W. E. Bock	761,139	May 31	5118	1086	110	1207
Fire-finish machine	M. J. Owens	761,178	May 31	5194	1104	110	1224
Fire-finish machine	H. L. Bock	769,644	Sept. 6	959	208	112	219
Fire-hose protector for tracks	F. W. Wittkowski	772,991	Oct. 25	3575	774	112	1789
Fire in oil-tanks. Apparatus for extinguishing	J. P. McCann	773,884	Nov. 1	703	148	113	161
Fire-kidder	R. Hager	754,063	Mar. 8	1679	373	109	386
Fire-kidder	G. H. Lotspeke	768,288	Aug. 23	4623	969	111	2128
Fire-kidder	L. Roehm and P. Walter	774,109	Nov. 11	1140	258	113	258
Fire-lighter. Automatic	F. J. Pospisil	764,628	July 12	1540	308	111	346
Fire-lighter. Time	E. M. G. Coleman	762,688	June 14	2127	463	110	1919
Fire-mask	W. J. Moran	751,091	Feb. 2	566	131	108	1183
Fire-partition	J. W. Kuno	760,484	May 31	3766	798	108	898
Fire-partition	G. G. Kniffin	749,938	Jan. 12	1838	286	108	385
Fire-resisting construction	O. Hanson	761,375	May 31	5591	1190	110	1311
Fire-resisting curtains. Device for preventing end-wise movement and lateral separation of slats in	W. R. Kinnear	759,447	May 10	1768	357	110	420
Fire-resisting door or blind	H. E. Vance	767,024	Aug. 9	1825	384	111	1466
Fire-resisting shutter or door	J. Volp	764,219	July 5	637	139	111	141
Fire-screen. Emergency	W. M. Conran	767,570	Aug. 16	3485	737	111	1848
Fire-shield for proscenium-arch openings of theaters.	H. M. Smith	775,865	Nov. 23	4715	998	113	1112
Fire-shutter	P. Ebner	763,381	June 28	3523	760	110	2267
Fire-signal	Z. T. Flowers	761,368	May 31	5582	1189	110	1309
Fire-starting device	J. A. George and F. C. Dohrmann	752,338	Feb. 16	2930	653	108	1739
Fire-walls. Means for flashing.	W. R. Rose	762,945	June 21	2658	576	110	2054
Fire-window. Automatic	G. Schwing and G. Yunker	776,948	Dec. 6	978	210	113	1643
Fires. Extinguishing	E. Gates	749,374	Jan. 12	1691	359	108	404
Fires. Preventing	N. Sulzberger	764,964	July 12	2132	457	111	486
Firing-gear-controlling device	J. F. Meigs and S. A. S. Hammar	772,244	Oct. 11	2055	457	112	1425
Firing mechanism	J. F. Meigs and S. A. S. Hammar	772,245	Oct. 11	2097	458	112	1425
Firearm	C. J. Hamilton	748,723	Jan. 5	317	71	108	70
Firearm	A. Fyrberg	754,210	Mar. 8	1961	436	109	448
Firearm	E. S. Hoer	755,773	Mar. 29	5007	1113	109	1158
Firearm	F. K. Young	764,513	July 5	1240	254	111	871
Firearm	P. O. Elterich	766,231	Aug. 2	174	32	111	1080
Firearm	E. E. Redfield	772,746	Oct. 18	3104	677	112	1666
Firearm	I. Weisnek	772,764	Oct. 18	3140	683	112	1674
Firearm	W. H. Beken	773,460	Oct. 25	4690	991	112	2038
Firearm	L. O. Thayer	776,270	Nov. 29	5520	1169	113	1313
Firearm	F. W. Brooks	776,381	Nov. 29	5727	1212	113	1361
Firearm attachment	R. M. G. Phillips	762,868	June 14	2492	539	110	1997
Firearm. Automatic	C. R. S. J. Hallé	753,700	Mar. 1	934	211	109	201
Firearm. Automatic	T. C. Johnson	758,318	Apr. 26	4222	907	109	2303
Firearm. Automatic	T. C. Johnson	769,089	Aug. 30	6051	1256	111	2459
Firearm. Breakdown	F. A. Hollenbeck	753,492	Mar. 1	508	118	109	112
Firearm. Breech-loading	P. Frazier	753,384	Mar. 1	301	67	109	68
Firearm. Breech-loading	O. F. Mossberg	756,039	Mar. 29	5517	1217	109	1273
Firearm. Breech-loading	C. P. Hays	761,453	May 31	5739	1224	110	1344
Firearm. Breech-loading	A. Chuch	766,596	Aug. 2	936	197	111	1249
Firearm. Breech-loading and discharge-actuated	S. N. McClean	749,214	Jan. 12	1359	292	108	334
Firearm-carrying case	E. M. Crenshaw	750,817	Feb. 2	58	13	108	1070
Firearm cylinder-latch. Revolving	O. W. Ringqvist	769,277	Sept. 6	978	60	110	2200
Firearm ejector mechanism	E. Beach	763,453	June 28	3675	792	110	2200
Firearm ejector mechanism	M. Wirsing	767,321	Aug. 16	3021	631	111	1747
Firearm forestock-tip	T. C. Johnson	768,666	Aug. 30	5212	1095	111	2270
Firearm. Magazine	W. F. Plympton	756,889	Apr. 12	1344	298	109	1645
Firearm. Magazine	H. Hundrieser	766,622	Aug. 2	989	237	111	1261
Firearm. Magazine	W. M. Vandegrift	769,515	Sept. 6	737	160	112	167
Firearm. Magazine	L. L. Hepburn	776,243	Nov. 29	5481	1161	113	1305
Firearm magazine attachment	T. C. Johnson	764,243	July 5	675	137	111	151
Firearm. Recoil-operated	C. R. S. J. Hallé	755,482	Mar. 22	4414	979	109	1011
Firearm. Recoil-operated	R. H. Kjeilman	765,491	July 19	3205	669	111	729
Firearm. Recoil-operated	T. C. Johnson	768,665	Aug. 30	5197	1094	111	2267
Firearm removable joint-pin	A. H. Day	763,467	June 28	3690	796	110	2303
Firearm. Revolving	A. L. Mollett	749,212	Jan. 12	1356	291	108	333
Firearm. Revolving	W. J. Whiting	750,743	Jan. 26	4357	942	108	1014
Firearm safety device	G. A. Horne	754,564	Mar. 15	2712	590	109	627
Firearm safety device	O. G. Vold	774,712	Nov. 8	2248	489	113	515

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Firearm safety device. Repeating.	L. L. Hepburn	776,322	Nov. 29	5601	118:	113	1391
Firearm-sight.	J. Peard	761,706	June 7	171	82	110	1476
Firearm-sight.	K. Tideman	768,491	Aug. 23	4817	1009	111	2166
Firearm-sight.	J. Windridge	775,958	Nov. 29	4917	1089	113	1175
Firearm single trigger.	E. D. Fulford	751,979	Feb. 9	2966	507	108	1561
Firearm. Single-trigger.	H. E. Winans	769,524	Sept. 6	737	104	112	172
Firearm single-trigger mechanism	E. D. Fulford	749,687	Jan. 12	2909	487	108	585
Firearm single-trigger mechanism	G. E. Witherell	767,537	Aug. 16	2850	596	111	1709
Fireman's helmet.	C. T. Thompson	752,266	Feb. 16	2790	618	108	1699
Fireplace.	M. F. Frechtling	773,863	Nov. 1	656	159	113	152
Fireplace-heater	J. Sim	770,396	Sept. 20	2400	507	112	577
Fireproof blind	E. H. McCloud	754,002	Mar. 8	1567	350	109	362
Fireproof box.	W. Vanderman	773,269	Oct. 25	4909	910	112	1956
Fireproof bricks or material. Manufacture of.	F. Krüger	751,089	Feb. 2	548	97	108	1179
Fireproof building block or slab.	R. Illemann	753,707	Mar. 1	449	217	109	205
Fireproof building construction	C. F. Buente	749,812	Jan. 19	2574	547	108	610
Fireproof building construction	G. A. Turnbull	757,519	Apr. 19	2620	578	109	1931
Fireproof building structure	G. B. Waite	755,336	Mar. 22	4158	574	109	957
Fireproof ceiling	H. Schmidt	763,513	June 28	3764	813	110	2318
Fireproof construction	G. Liebau	754,783	Mar. 15	3143	685	109	721
Fireproof construction	G. Dowman	762,472	June 14	1687	364	110	1824
Fireproof construction	J. B. Hinchman	765,099	July 12	2359	467	111	510
Fireproof construction	W. A. Kennedy	776,916	Apr. 26	319	109	113	1627
Fireproof construction for floors, ceilings, &c	A. Forrester	774,512	Nov. 8	1874	407	113	453
Fireproof covering for columns, &c.	A. L. A. Himmelwright	754,064	Mar. 8	1681	373	109	387
Fireproof covering for columns or pillars.	S. Golliek	775,562	Nov. 22	4131	868	113	988
Fireproof door	N. Poulson	753,210	Feb. 23	4041	1032	108	2125
Fireproof door	F. A. Howell	758,316	Apr. 26	319	109	113	297
Fireproof door-curtain	J. H. Channon	762,788	Sept. 13	1233	265	112	397
Fireproof floor and ceiling construction	T. O'Shea	762,552	June 14	1867	401	110	1863
Fireproof floor and ceiling construction	H. and C. D. Oliver	763,690	June 28	4097	892	110	2389
Fireproof floor construction	J. Schall	750,066	Jan. 19	3064	638	108	715
Fireproof floor construction	B. C. Kyle	754,574	Mar. 15	2734	595	109	631
Fireproof floor or ceiling	J. Kahn	768,285	Aug. 23	4336	923	111	2060
Fireproof flooring.	D. W. Boyd	775,516	Nov. 22	4001	841	113	960
Fireproof flooring construction with iron beams connecting the carrying-walls. Flat	W. Kohlmetz	776,071	Nov. 29	5140	1086	113	1227
Fireproof flooring. Manufacturing	C. Platon	769,335	Sept. 6	437	112	97	
Fireproof illuminating structure.	F. L. O. Wadsworth	773,174	Oct. 25	4112	860	112	1914
Fireproof metal window frame and sash.	W. B. Gervais	770,571	Nov. 20	2730	578	112	650
Fireproof paint or coating.	E. R. Stowell	774,003	Nov. 1	942	214	113	214
Fireproof shutter	W. Beckmann and W. Bohle	770,042	Sept. 13	1718	363	112	405
Fireproof shutter	S. B. Sexton, Jr.	770,827	Sept. 27	3244	681	112	781
Fireproof shutter	F. P. Schroder	773,379	Dec. 27	3606	788	113	2253
Fireproof-shutter system.	W. L. D'Oliver	776,325	Nov. 29	5441	1153	113	1297
Fireproof skeleton flooring	H. G. V. Rydahl	764,772	July 12	1795	368	111	409
Fireproof structure	N. Poulson	753,208	Feb. 23	4639	1032	108	2125
Fireproof structure	N. Poulson	753,209	Feb. 23	4640	1032	108	2125
Fireproof theater	J. Scully	765,600	July 19	3388	713	111	769
Fireproof wall. Interiorly-ventilated.	L. D. Ewing	769,257	Sept. 6	235	54	112	51
Fireproof window	I. N. Price	776,349	Nov. 29	5665	1199	113	1347
Fireproof window frame and sash	I. W. Emerson	754,437	Mar. 15	2473	538	109	576
Fireproof-window-releasing device.	A. W. Cooper	764,918	July 12	2099	434	111	476
Fireproofing and insulating structure	O. F. Zahn	754,109	Mar. 8	1778	395	109	409
Fireproofing solutions. Making	A. W. Baxter	761,870	June 7	526	110	1357	
Fireproofing wood.	T. L. Ferrell	767,514	Aug. 16	2804	586	111	1698
Fish and game trap. Combined	C. P. Cassels	768,267	Aug. 23	4356	916	111	2061
Fish bait or lure	F. D. Rhodes	777,488	Dec. 13	2005	443	113	1886
Fish-bar clamp	W. S. Wootton	778,730	Dec. 27	4469	978	113	2441
Fish-basket covers. Device for automatically closing the orifices in	W. A. Sinclair	752,600	Feb. 16	3433	766	108	1839
Fish-catcher	H. C. Reichardt	748,884	Jan. 5	625	140	108	140
Fish-cleaning machine.	E. Manula and J. Carlson	753,722	Mar. 1	977	221	109	211
Fish-cleaning machine	J. Kellington	774,674	Nov. 8	2168	475	113	496
Fish-culture tank	L. Mayhall	757,407	Apr. 12	2391	509	109	1867
Fish-dressing implement. Hand.	F. M. Stearns	732,918	Feb. 16	3505	557	108	1633
Fish-dressing machines. Centrifugal washer for.	A. J. Farmer	751,388	Feb. 9	1135	258	108	1299
Fish-hook	F. C. Woods	751,365	Feb. 2	1100	248	108	1291
Fish-hook	B. S. Scott	754,349	Mar. 8	2305	491	109	498
Fish-hook	C. P. Krus	755,677	Mar. 29	4785	1065	109	1108
Fish-hook	M. Flegle	756,959	Apr. 23	5465	1066	109	1303
Fish-hook	J. Hedlund	768,451	Aug. 23	4336	904	111	2151
Fish-hook	L. Biersach	772,333	Oct. 18	2269	497	112	1486
Fish-hook	R. Ketchum	772,807	Oct. 18	3207	698	112	1688
Fish-hook	W. E. Koel	775,727	Nov. 22	4156	943	113	1059
Fish-line-drying reel	C. A. Loughton	769,548	Sept. 6	799	172	112	181
Fish-line float	F. Bachmann	763,557	June 28	3845	833	110	2335
Fish-line reel	W. H. Jacoby	778,669	Dec. 27	4370	955	113	2419
Fish-line reel	E. A. and W. H. Leaver	752,786	Feb. 23	3793	848	108	1935
Fish-mouth opener	E. H. Rockwell	757,964	Apr. 19	3491	757	109	2124
Fish. Net for holding live	J. E. Hill	755,663	Mar. 29	4759	1059	109	1103
Fish-nets. Means for facilitating casting and drawing	W. B. Burroughs	775,097	Mar. 29	5623	1240	109	1297
Fish-plate	L. Einarson	748,710	Jan. 5	293	67	108	66
Fish-plate clamps. Implement for adjusting	P. H. Bieman	771,119	Sept. 27	3815	806	112	909
Fish. Preserving	W. S. Wootton	778,731	Dec. 27	4471	979	113	2441
Fish storage and assorting net	F. Hamell	756,626	Apr. 5	822	196	109	1517
Fish-trap.	C. Jensen	772,360	Oct. 18	2337	513	112	1501
	D. B. Roberts	748,654	Jan. 5	196	47	108	44

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Fish-trap	O. Melbye	769,910	Sept. 13	1468	314	112	349
Fish-trap	A. L. Brooks	775,389	Nov. 22	3733	792	113	899
Fishing apparatus	F. B. Whipple	757,077	Apr. 12	1716	372	109	1723
Fishing-bait	F. Burdett	753,612	Mar. 29	4659	1035	109	1073
Fishing-bait. Artificial	W. A. Hardy	768,482	July 19	3186	666	111	725
Fishing-cork	A. J. McCord	771,263	Oct. 4	87	18	112	980
Fishing device	M. F. Mangelsdorff	765,438	July 19	3071	643	111	700
Fishing-float	C. Hymers	751,734	Feb. 9	1758	399	108	1450
Fishing-float. Adjustable	C. F. Miller	755,682	Mar. 29	4793	1067	109	1110
Fishing-gaff	M. F. Cook	768,726	June 28	4175	909	110	2406
Fishing-gear	A. W. Wilson	766,565	Aug. 2	865	181	111	1231
Fishing hook and gaff	C. H. Ward	755,726	Mar. 29	4900	1091	109	1135
Fishing purposes. Illuminating-buoy for	W. L. Uhlenhart	750,438	Apr. 5	503	104	109	1449
Fishing-reel	R. L. Hunter	750,054	Jan. 19	3015	633	108	711
Fishing-reel	L. M. Hermance	756,864	Apr. 5	356	72, 73	109	1480
Fishing-reel	H. H. Kiffe	756,653	Apr. 5	872	190	109	1528
Fishing-reel	W. Carter	764,348	July 5	885	181	111	194
Fishing-reel	W. Carter	765,554	July 19	3316	695	111	752
Fishing-reel	W. L. Atkinson	769,142	Sept. 6	12	2	112	3
Fishing-reel	A. F. and W. Meisselbach, Jr. (Re-issue.)	12,283	Nov. 15	3524	743	113	834
Fishing-reel	H. T. Howard	778,244	Dec. 27	3532	775	113	2238
Fishing-reel	A. F. and W. Meisselbach, Jr.	778,368	Dec. 27	3791	828	113	2294
Fishing-reel frame or spool head facing	A. F. and W. Meisselbach, Jr.	766,959	Aug. 9	1716	390	111	1142
Fishing-rod	W. B. Bismeyer	760,181	Mar. 17	321	673	110	757
Fishing-rod	G. W. Upton	764,398	July 5	1006	204	111	223
Fishing-rod reel-seat	L. L. Bartlett	773,703	Nov. 1	325	71	113	78
Fishing-tackle	O. Miller and P. Kunzinger	752,091	Feb. 16	2454	548	108	1622
Fishing-tackle	S. Robbins	754,892	Mar. 15	3318	731	109	765
Fishing-tackle	W. W. Shuman	760,028	May 17	2902	607	110	657
Fishing-tackle	S. D. Martin	766,638	Aug. 2	1018	213	111	1267
Fishing-tackle	G. K. Hurlbut	774,429	Nov. 8	1705	365	113	398
Fishing-tackle	T. Rud	778,552	Dec. 27	4143	902	113	2395
Fishing-tackle case	C. R. Hoag	765,730	July 26	3682	735	111	842
Fishing-tool	A. H. Brandon	759,416	May 19	1716	347	110	408
Fishing-tool	C. M. Heeter	769,140	Aug. 30	6156	1287	111	2481
Fishing-tool	A. H. Brandon	772,864	Oct. 18	3312	723	112	1713
Fishing-tool for sucker-rods, &c.	O. A. Mann and W. J. Evans	759,454	May 10	1779	360	110	422
Fishpole keep	R. J. Cloherty	754,971	Mar. 22	3502	767	109	816
Fishpole line-eye attachment	W. W. Roth	754,094	Mar. 8	1749	388	109	401
Fitting	J. J. Lawler	757,130	Apr. 12	1842	402	109	1751
Fixing-box	H. D. Chichester	774,308	Nov. 8	1491	321	113	353
Fixture	F. Beloin	765,161	July 19	2552	639	111	585
Flag case and pole	G. I. Herrick	765,427	July 19	3051	640	111	696
Flagpole	H. G. Suhr	756,989	Apr. 12	1545	340	109	1656
Flange	F. C. Billings	770,889	Sept. 27	3356	708	112	846
Flange-forming machine	A. Dewes	766,577	Aug. 9	1557	320	111	1406
Flange-wrench	C. F. Stone	770,941	Sept. 27	3459	730	112	890
Flanging implement	J. P. Sneddon	767,602	Aug. 16	2982	623	111	1739
Flanging-machine	J. P. Sneddon	759,432	May 10	1888	371	110	437
Flanging-machine	T. F. Rowland, Jr.	761,018	June 7	615	123	110	1576
Flanging-machine	H. Diecks	767,266	Aug. 9	2310	484	111	1571
Flap-layer	W. B. Hadaway	759,273	May 10	1429	285	110	347
Flash-boiler	G. E. Whitney	755,302	Mar. 22	3904	862	109	903
Flash-boiler	H. Lemp	767,071	Aug. 9	1925	403	111	1489
Flash-light apparatus	C. H. Nichols	756,379	Apr. 5	419	87	109	1433
Flash-light apparatus. Photographic	I. G. McColl and M. Klaiber	754,487	Mar. 15	2573	559	109	597
Flash-light-powder receptacle	H. H. Bowen	776,720	Dec. 6	304	110	113	1338
Flash-pan. Automatic	G. P. Wrigley	778,296	Dec. 27	3640	733	113	2260
Flashing	J. H. Munro	756,694	Apr. 5	896	205	109	1543
Flask							
See Foundry-flask.	Molding-flask.						
Molder's flask.	Powder-flask.						
Flask	H. Struben	758,399	Apr. 26	4262	915	109	2312
Flask	W. L. Casaday	768,959	July 5	19	4, 5	111	7
Flask connection	J. Cunningham	760,105	May 17	3054	639	110	722
Flask for volatile or other liquids	H. Goetz	750,637	Jan. 26	4117	893	108	909
Flat-iron	H. M. Horine	768,942	Aug. 30	5757	1212	111	2267
Flat-iron	H. Goldberg	769,311	Sept. 6	357	81	112	77
Flat-iron heater	W. J. Le Barron	769,082	Aug. 30	5884	1234	111	2422
Flat-iron heater	L. J. Kurtz	770,591	Sept. 20	2768	587	112	658
Flat-iron waxing and cleaning device	J. Bayer	769,459	Sept. 6	640	137	112	146
Flat or sad iron waxing pad	A. L. Drake	771,422	Oct. 4	417	92	113	1521
Flax-treating apparatus	B. Noldner	776,074	Dec. 6	417	92	113	1521
Flea-trap	E. Bosshard	761,195	May 31	5220	1108	110	1130
Flea-trap	F. C. Esmonin	765,420	July 19	3088	636	111	694
Fleshing and shaving machine	E. Schroeder	751,349	Feb. 2	1072	243	108	1285
Fleshing-machine	F. J. Perkins	766,382	Aug. 6	398	81	111	1106
Fleshing-machine	F. J. Perkins	769,017	Aug. 30	5919	1240	111	2430
Flexible coupling	G. Baehr	764,193	July 5	886	71	111	85
Flexible joint	T. W. Moran	758,556	Apr. 26	4677	1069	109	2404
Flexible joint	H. Austin	766,053	Aug. 2	1053	230	111	1274
Flexible screen	P. H. Wilson	769,423	Sept. 6	560	125	112	127
Flexible tube	S. Palmer	769,366	Sept. 6	456	102	112	101
Flexible tube	H. Loxterkamp	771,376	Oct. 4	310	69	112	1027
Flexible wrench	F. H. Martin	760,227	May 17	3290	691	110	775
Flier	H. Spence	773,268	Oct. 25	4302	959	112	1956
Flier							
Flight-forming machine	J. L. Peddycoart	776,864	Dec. 6	811	176	113	1605

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Floated	F. and F. H. Engelhard	764,933	July 12	2139	442	111	485
Floated	F. and F. H. Engelhard	767,046	Aug. 9	1872	393	111	1478
Floated. Electrical contact-controlling.	I. G. Waterman	775,056	Nov. 15	2987	636	113	707
Floating naval battery	A. P. Stokes	771,185	Sept. 27	3947	832	112	935
Flood gate and fence	L. W. and E. Phegley	730,004	Jan. 19	2940	628	108	690
Flood-gate for fences crossing streams	C. Spivey	751,023	Feb. 2	444	105	108	1155
Floor and bedstead. Combined.	J. Pejchar	778,797	Dec. 27	4604	1005	113	2471
Floor and building same	W. N. Wight and F. E. Townsend	758,728	May 3	293	58	110	75
Floor and ceiling	A. Probst	772,372	Oct. 15	2354	517	112	1505
Floor and ceiling support	E. W. Wright	758,577	Aug. 2	924	203	111	1256
Floor-boards. Making	E. J. Fulghum	753,791	Mar. 1	1145	258	109	246
Floor-clamp	F. M. and L. W. Jeffords	764,128	July 5	430	84	111	94
Floor-clamp	F. W. Hammond and F. E. Henderson	769,076	Aug. 30	6025	1262	111	2452
Floor-covering protector	D. W. Young, Jr., H. B. Graf, and C. O. Shupert	766,210	Aug. 2	117	22	111	1067
Floor-coverings and plastic wall and ceiling facings. Manufacture of	G. R. Schmitt	773,427	Oct. 25	4638		112	2028
Floor-drain and backwater-trap. Combined	F. C. Edelen	748,936	Jan. 5	744	162	108	169
Floor-furnace	W. R. Klobb	765,143	July 12	2510	324	111	561
Floor-jack	C. M. Millican	775,146	Nov. 15	3177	675	113	749
Floor-joist hanger	W. D. Dreyer	755,116	Mar. 22	3744	822	109	870
Floor-oiler	G. H. Garnet	769,341	Sept. 6	404	98	112	87
Floor-oiler	G. H. Garnet	769,376	Sept. 6	479	106	112	109
Floor or ceiling	W. N. Wight	758,577	Aug. 2	924	203	111	2414
Floor. Parquetry	C. M. Krebs	764,948	July 12	2158	447	111	490
Floor. Parquetry	C. M. Krebs	764,949	July 12	2160	448	111	490
Floor-plates. Means for producing metallic.	M. G. Worth	750,042	Jan. 19	3014	645	108	705
Floor-rack	J. H. Petroskey	777,059	Dec. 6	1198	361	113	1694
Floor-register	J. T. B. Slater	770,326	Sept. 20	2928	480	112	552
Floor-scraper	A. Larson and B. C. Dunbar	777,033	Dec. 6	1149	249	113	1682
Floor scraping and finishing tool	J. S. Hartman	749,861	Jan. 19	2662	569	108	629
Floor, sidewalk, roof, or like support	P. H. Jackson	749,440	Jan. 12	1840	383	108	433
Floor-thimble	J. H. Zentz	765,760	July 26	3733	796	111	853
Floor-treat.	W. J. Tonkin	769,108	Sept. 6	111	28	112	25
Floors, &c. Appliance for cleansing	J. S. Stewart-Wallace	754,254	Mar. 8	2046	455	109	466
Floors, ceilings, sidings, &c. Tool for removing	W. O. Harmon	758,442	Apr. 26	4463	959	109	2357
Floors, paneling, &c. Fastening means for parquet.	W. S. Kelsey	748,746	Jan. 5	359	80	108	80
Floors, partitions, &c. Construction of	V. Moeslein	758,555	Apr. 26	4676	1009	109	2404
Floors. Plastic composition for covering	H. Linnekogel	770,682	Sept. 13	1775	112	112	418
Flooring	G. H. Kimball	767,288	Aug. 9	2352	492	111	1579
Flooring-clamp	E. F. Rosier	775,092	Nov. 15	3066	651	113	724
Flooring end joint	M. A. Hayward	754,215	Mar. 8	1976	439	109	451
Flooring ends. Machine for trimming and matching	E. J. Fulghum	749,550	Jan. 12	2067	429	108	464
Flooring of blocks of wood. Machine for making mosaic	J. Wehinger	752,938	Feb. 23	4129	919	108	2010
Flooring or wall-covering material	J. J. C. and M. Smith	752,116	Feb. 16	2499	556	108	1632
Flooring, roofing, &c. Structural arrangement applicable to	E. L. Pease	754,888	Mar. 15	3944	730	109	765
Flooring. Wood.	J. J. C. Hasbrouck	768,852	Aug. 30	5586	1173	111	2354
Floral-decoration appliance	F. M. and G. Hoyt	777,419	Dec. 13	1870	412	113	1856
Flour-dressing machine	W. D. Gray	775,171	Nov. 15	3229	691	113	260
Flour into barrels or sacks. Machine for packing.	L. Van Nette	759,244	May 3	1234	249	110	782
Flour non-hygroscopic. Making	O. Avedyk	758,346	Apr. 26	4277	919	109	2314
Flour. Treating	N. N. Alsop	759,651	May 10	2169	446	110	508
Flour. Treating	J. M. Williams	769,522	Sept. 6	755	163	112	171
Flour-bulbs are grown. Fitting for vessels in which	A. Simpson	754,248	Mar. 8	2033	452	109	463
Flower-holder.	W. Temblett and F. McCoy	774,288	Nov. 8	1459	313	113	345
Flower-pot	P. H. A. Baisley	752,370	Feb. 16	2989	666	108	1743
Flower-pot	F. A. Müller	758,678	May 3	115	31	110	35
Flower-pot clip	J. A. Kraler	758,786	Dec. 27	4573	1001	113	2464
Flower-pot support	W. D. Gridley	769,483	Mar. 1	492	115	109	108
Flower-pot support	F. Cobbett	764,042	July 5	253	47	111	58
Flower-stand.	W. Scallil	764,307	July 5	794	162	111	175
Flowers on graves alive. Device for keeping.	L. Maurer	774,988	Nov. 15	2860	610	113	677
Flowers, vines, &c. Machine for manufacturing artificial	H. L. McKain	754,084	Mar. 8	1719	383	109	395
Flowers, vines, &c. Machine for manufacturing artificial	H. L. McKain	775,965	Nov. 29	4981	1051	113	1189
Flue-cleaner	T. J. Baker and E. Alexander	751,446	Feb. 9	1228	280	108	1337
Flue-cleaner	J. B. Brittain	765,246	July 19	2935	561	111	620
Flue-cleaner	J. MacDonald	772,243	Oct. 11	2093	457	112	1424
Flue-cleaner cutter-head	J. P. Prentice	755,930	Mar. 29	5318	1173	109	1229
Flue-cleaners. Rotary motor for.	A. Lemke	754,055	Mar. 15	3471	760	109	798
Flue-collar. Adjustable	F. Fleagle	751,065	Feb. 2	521	131	108	1174
Flue-cutter	C. Gabriel	769,158	Dec. 6	39	10	112	11
Flue-cutter	J. W. Paessler	770,052	Sept. 13	1729	365	112	408
Flue-dust. Reclaiming.	G. R. Johnson	751,399	Feb. 2	1154	263	108	1303
Flue-expander	J. W. Paessler	750,176	Jan. 19	3262	703	108	756
Flue-expander	J. W. Paessler	750,177	Jan. 19	3263	704	108	757
Flue-expander	J. A. Player	773,245	Nov. 15	3434	725	113	816
Flue or duct	H. H. Laws	760,216	May 17	3274	687	110	770
Flue or tube cutter	J. Ulrich	752,728	Feb. 23	3696	824	108	1914
Flue, pipe, &c., scraper and cleaner	G. K. Wells	767,785	Aug. 16	3907	698	111	1811
Flue-scraper	J. Zillig	751,708	Feb. 9	1701	387	108	1438
Flue-scraper	W. Appenbrink	760,465	May 17	3608	720	110	845
Flue-stop	J. H. Nichols	772,251	Oct. 11	2109	461	112	1428
Flue-stop	G. McAdams	766,647	Aug. 2	1036	217	111	1271
Flue stopper	L. Russell	772,255	Oct. 11	2112	462	112	1429
Flue stopper and cap. Combined	H. J. Saecker	769,837	Sept. 13	1846	288	112	323
Flue-ventilator	H. Raymond	751,341	Feb. 2	1055	240	108	1282

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Fluid-actuating mechanism	R. Conrad	770,518	Sept. 20	2631	557	112	627
Fluid-circulating apparatus	H. Stier	749,886	Jan. 19	2710	579	108	641
Fluid compressor. Elastic	H. Bland	760,843	May 24	4513	961	110	1059
Fluid-elevator	A. Brown	774,557	Nov. 8	1959	423	113	452
Fluid elevator or pump. Pneumatic	A. Montenegro y Van-Halen	750,326	Jan. 26	3553	767	108	842
Fluid from saturated material. Device for extracting	W. S. MacHarg	777,796	Dec. 20	2606	576	113	2029
Fluid-fuel burner	G. Moork	764,860	July 12	1979	408	111	449
Fluid-heating apparatus	B. W. Davis	777,083	Dec. 13	1245	273	113	1720
Fluid indicator	J. F. Metten	767,486	Aug. 16	2742	575	111	1685
Fluid materials. Machine for filling vessels with	G. A. McAllister	753,606	Mar. 1	742	106	109	161
Fluid-meter	A. S. Tuttle	748,645	Jan. 12	2228	470	108	518
Fluid-meter	J. W. Ledoux	770,237	Sept. 20	2227	465	112	538
Fluid-mixer	E. H. Yorke	756,450	Apr. 5	524	109	109	1454
Fluid-motor	J. F. Bentz	750,337	Jan. 26	3570	727	108	846
Fluid-motor	J. V. Marek	752,340	Feb. 16	2730	605	108	1698
Fluid-motor	C. F. Fogg	771,004	Sept. 27	3581	754	112	857
Fluid-motor. Expansive	A. A. Norton	750,217	Jan. 19	3327	719	108	770
Fluid-motor. Rotary	G. Westinghouse, Jr.	751,587	Feb. 9	1486	387	108	1394
Fluid-motor. Rotary	K. P. Hangl	757,300	Apr. 12	2162	474	109	1820
Fluid-motor system	H. Aiken	764,389	July 5	848	173	111	186
Fluid-operated motor or meter	W. H. Reynolds	771,393	Oct. 4	336	75	112	1031
Fluid-press.	A. M. O'Brien	755,085	Mar. 22	3609	792	109	840
Fluid-pressure brake	E. M. Herr	758,071	Feb. 16	2419	541	108	1614
Fluid-pressure brake	G. M. Spencer and C. J. Grellner	754,908	Mar. 15	3371	737	109	770
Fluid-pressure motor	J. W. Cloud	758,049	Apr. 26	3676	737	109	2184
Fluid-pressure brake	W. V. Turner and E. A. Wright	760,282	May 17	3389	715	110	797
Fluid-pressure brake	H. R. Mason	760,465	May 24	3736	791	110	891
Fluid-pressure brake	G. Westinghouse	772,852	Oct. 18	3288	718	112	1707
Fluid-pressure brake	G. Oppermann	773,908	Oct. 18	3400	738	112	1732
Fluid-pressure brake	G. Oppermann	772,904	Oct. 18	3402	739	112	1732
Fluid-pressure brake	G. Oppermann	777,105	Dec. 13	1283	283	113	1728
Fluid-pressure brake	A. Kapteyn	778,044	Dec. 20	3147	692	113	2137
Fluid-pressure engine	A. A. Kent	778,044	Dec. 20	3147	693	113	2137
Fluid-pressure engine	S. W. Brainard	769,247	Sept. 6	217	51, 52	112	47
Fluid-pressure jack	N. A. Christensen	752,201	Feb. 16	2657	580	108	1608
Fluid-pressure motor	J. P. Lajoie	753,232	Feb. 16	2716	601	108	1663
Fluid-pressure motor	F. Fink	762,627	June 14	2001	433	110	1891
Fluid-pressure motor	C. H. Atkins	773,365	Oct. 25	4494	952	112	1996
Fluid-pressure-regulating device	P. Synnestvedt	749,974	Jan. 19	2880	616	108	676
Fluid-pressure-regulating device	P. Synnestvedt	749,975	Jan. 19	2882	616	108	677
Fluid-pressure regulator	J. W. Scott	765,397	June 14	2285	499	110	1950
Fluid-pressure regulator	A. L. Merrill	765,849	July 26	3921	837	111	893
Fluid-pressure regulator	W. and J. Boekel	769,050	Aug. 30	5987	1254	111	2445
Fluid-pressure systems. Double-acting equalizing-cylinder for	G. M. Spencer and C. J. Grellner	772,842	Oct. 18	3269	714	112	1702
Fluid shut-off	W. and J. Boekel	768,714	June 28	4152	905	110	2401
Fluid-switch	N. H. Medbery	768,686	June 28	4087	889	110	2387
Fluid-tank indicator	F. E. Ballard, F. A. Rantz, and G. W. Collin	768,109	Aug. 23	4056	891	111	1995
Fluid-tank indicator	F. A. Rantz and G. W. Collin	775,544	Nov. 22	4087	860	113	978
Fluid-viscosity motor or turbine	B. J. Campbell	760,776	May 24	4379	931	110	1031
Fluids. Air or gas lift for	W. B. Harris	758,380	Apr. 26	4301	923	109	2320
Fluids. Air or gas lift for	W. B. Harris	759,100	May 3	1011	206	110	229
Fluids. Air or gas lift for	W. B. Harris	759,706	May 10	2264	468	110	529
Fluids, &c. Apparatus for automatic delivery of	E. W. Lindgren	767,908	Aug. 16	3540	749	111	1860
Fluids. Apparatus for regulating the flow of	J. J. Royle	757,502	Apr. 19	2582	567	109	1922
Fluids by solar heat. Apparatus for raising	H. Kelsey	762,106	Nov. 29	5204	1099	113	1241
Fluids in drops. Appliance for delivering	H. Kelsey	762,316	June 14	1358	292	110	1755
Fluids in motion. Velocity-regulator for	J. B. F. Herreshoff	757,039	Apr. 12	1665	360	109	1713
Fluids or solid materials. Apparatus for operating on finely-divided	J. Luhn	757,757	Apr. 19	3102	676	109	2037
Fluorescent indicator	A. T. Abbey and F. J. Esmond	776,211	Nov. 29	5404	1146	113	1287
Fluorides and silicates. Making	W. Mills	755,379	Mar. 22	4240	109	976	
Flush bolt	C. J. Caley and N. W. Crandall	761,145	May 31	5132	1060	110	1210
Flush outfit. Closet	T. F. Cray	761,762	June 7	289	56	110	1560
Flush-tank	J. F. Cunningham	760,995	May 24	4747	1011	110	1109
Flush-tank	W. A. and J. B. Henn	762,405	June 14	1339	335	110	1789
Flush-tank apparatus	J. H. Seager and J. J. Kelly	750,228	Jan. 19	3360	725	108	773
Flush-tank apparatus	J. H. Seager and J. J. Kelly	754,247	Mar. 8	2031	452	109	463
Flushing apparatus	J. A. Vogel	762,853	June 14	2469	533	110	1992
Flushing apparatus	J. A. Vogel	768,215	Aug. 23	4260	896	111	2039
Flushing-box. Closet	H. Aird	776,481	Dec. 6	1	1	113	1423
Flushing device	A. C. Davidson	775,719	Nov. 22	4442	939	113	1055
Flushing device. Closet	J. M. Justen	768,752	Aug. 30	5377	1132	111	2938
Flushing drains and sewers. Means for	I. Shone and E. Ault	768,641	June 28	3993	871	110	2366
Flushing or syringing. Means for facilitating internal	J. D. Sourwine	766,069	July 26	4331	928	111	981
Flushing system and apparatus	J. Landsing	761,236	May 31	5310	1127	110	1250

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Flushing-tank.....	C. H. Phillips.....	755,166	Mar. 22	3880	847	109	869
Flushing-tank.....	F. Findeisen.....	758,307	Apr. 26	4204	904	109	2300
Flushing-tank.....	B. Walker, Jr.....	758,396	Apr. 26	4359	937	109	2382
Flushing-tank.....	B. Walker, Jr.....	763,228	June 21	3197	689	110	2175
Flushing-tank.....	O. Adams.....	763,635	Sept. 6	761	164	112	173
Flushing-tank.....	H. J. Luff.....	774,766	Nov. 15	2399	517	113	571
Flushing-tank. Automatic	J. E. Ericson.....	750,955	Feb. 2	332	79	108	1131
Flute.....	G. Steinert.....	766,544	Aug. 2	819	172	111	1220
Fluting device.....	H. S. Pease.....	768,072	Aug. 23	3977	836	111	1978
Flux.....	W. H. Wherry.....	750,512	Jan. 26	3890	.....	108	915
Flux compound.....	N. J. Norman.....	761,900	June 7	581	.....	110	1569
Flux for soldering aluminium.	C. Ellis.....	760,783	May 24	4392	.....	110	1085
Flux. Welding.....	W. W. Hout.....	759,526	May 10	1923	.....	110	450
Fly-catcher.....	J. Zierl.....	751,970	Feb. 9	2220	500	108	1552
Fly-catcher.....	J. Schnell.....	769,494	Sept. 6	705	152	112	161
Fly-catching device.....	H. Haner.....	767,053	Aug. 9	1886	395	111	1481
Fly-paper apparatus. Sticky.	T. D. Nostrand and H. R. Corbett.	762,839	June 14	2447	531	110	1987
Fly-paper. Machine for making sticky.	B. E. Clark.....	768,734	Aug. 30	5842	1125	111	2903
Fly paper or trap.....	B. A. Capehart.....	761,902	May 31	5233	1111	110	1233
Fly-paper. Receptacle for shipping and exposing.	T. D. Nostrand.....	769,915	Sept. 13	1478	316	112	351
Fly-screen.....	C. N. Friz.....	765,703	July 26	3611	768	111	830
Fly-screen.....	F. P. Knowles.....	766,703	Aug. 2	1160	241	111	1299
Fly-screen.....	H. W. Peightal.....	767,832	Aug. 16	3413	.....	111	1832
Fly-trap.....	J. R. Hagstrom.....	767,146	Aug. 9	2090	436	111	1523
Flying-machine.....	S. M. Craig.....	766,021	July 26	4248	907	111	964
Flying-machine.....	G. W. Thompson.....	769,721	Sept. 13	1113	239	112	370
Fob, charm, or locket.....	H. F. W. and H. F. Schleckser	767,063	Aug. 16	3674	775	111	1869
Fodder-cutter.....	J. Dick.....	771,407	Sept. 27	3666	773	112	874
Fodder-fork.....	W. Giles.....	748,601	Jan. 5	84	22	108	20
Fodder preparatory to compressing same. Appa- ratus for treating.....	M. K. Westcott.....	751,887	Feb. 9	2054	465	108	1515
Folding and transportable elevator	D. B. Cook.....	766,812	Aug. 9	1420	296	111	1376
Folding and wrapping machine.....	C. Owens.....	772,474	Oct. 18	2566	564	112	1551
Folding box.....	A. J. Bacon.....	752,880	Feb. 23	3984	892	108	1978
Folding box.....	M. Hirsch.....	756,019	Mar. 29	5186	1210	109	1266
Folding box.....	Z. B. Webb. (Reissue).....	12,217	May 3	1294	260	110	205
Folding box.....	A. L. Reynolds.....	762,760	June 14	2273	495	110	1948
Folding box.....	Z. B. Webb.....	762,966	June 21	2692	583	110	2062
Folding box.....	G. A. Bisler.....	763,142	June 21	3018	651	110	2134
Folding box.....	J. H. Fowler.....	765,174	July 19	2569	537	111	592
Folding box.....	Z. B. Webb.....	766,980	Aug. 9	2536	298	111	1451
Folding box.....	G. Maunsell-Smyth.....	760,915	Sept. 27	3404	718	112	816
Folding box.....	C. H. Seegmiller.....	772,381	Oct. 18	2370	521	112	1508
Folding box.....	Z. B. Webb.....	776,002	Nov. 29	5015	1037	113	1199
Folding box or crate.....	C. H. Russell.....	751,944	Feb. 9	2171	490	108	1541
Folding box or crate.....	F. Healy.....	768,123	Aug. 23	4080	960	111	2093
Folding box or crate.....	S. G. Williams.....	770,138	Sept. 13	1880	399	112	440
Folding bracket.....	L. W. Tucker.....	754,105	Mar. 8	1773	393	109	407
Folding bracket.....	G. M. Greeley.....	759,435	May 10	1747	351	110	415
Folding chair.....	T. J. Washburn.....	749,764	Jan. 19	2486	529	108	391
Folding chair.....	A. J. Jackley.....	763,490	June 28	3725	813	110	2310
Folding chair.....	C. Miller and W. D. Ulrich	766,636	Aug. 9	1477	310	111	1389
Folding gate.....	J. Guerin.....	763,601	June 28	3925	854	110	2352
Folding-machine.....	R. O. Seymour.....	758,704	May 3	192	40	110	46
Folding-machine.....	C. A. Sturtevant.....	763,644	June 28	3999	872	110	2368
Folding-machine.....	H. I. Illingworth.....	776,328	Nov. 29	5611	1189	113	1334
Folding-machine.....	T. D. Robinson and R. D. Viele	776,427	Nov. 29	5813	1230	113	1382
Folding machine. Circular.....	G. A. Wenz and J. McKee, Jr.....	776,444	Nov. 29	5850	1237	113	1390
Folding machine. Material.....	R. B. Friend.....	758,962	May 3	761	152	110	176
Folding-machine slit.....	H. K. King.....	768,376	Aug. 23	4610	965	111	2124
Folding or collapsible box of cardboard, &c.....	A. R. Buckton.....	749,125	Jan. 5	1133	244	108	296
Folding seat.....	W. H. and H. J. Spanjer.....	755,183	Mar. 29	3865	835	109	305
Folding seat.....	A. E. Brockett.....	765,808	July 26	3847	819	111	876
Folding seat or settee.....	H. D. Warner.....	766,080	July 26	4949	933	111	985
Folding seat. Portable.....	R. Fuchs.....	774,873	Nov. 15	2629	565	113	621
Folding stand.....	A. S. Marten.....	774,487	Nov. 8	1822	395	113	424
Folding table.....	H. Johnson.....	748,956	Jan. 5	776	168	108	176
Folding table.....	W. J. Marrett.....	749,571	Jan. 12	2065	495	108	491
Folding table.....	A. W. Brightwell.....	753,603	Mar. 1	857	194	109	186
Folding table.....	H. R. Montgomery.....	757,481	Apr. 19	2541	559	109	1914
Folding table.....	E. H. Huffman.....	764,359	July 5	914	186	111	301
Folding table.....	T. Coldwell.....	764,880	July 12	2010	415	111	457
Folding table.....	F. M. Burrows.....	766,988	Aug. 9	1768	371	111	1453
Folding table.....	E. C. Dittmar.....	777,186	Dec. 13	1425	315	113	1738
Food and preparing same. Article of.....	E. T. Williams.....	774,221	Nov. 8	1387	.....	113	319
Food-chopper.....	L. T. Snow and A. A. Warner	754,249	Mar. 8	2034	453	109	463
Food-chopper.....	C. F. Smith.....	759,923	May 12	2686	504	110	638
Food composition.....	E. Dreiss.....	753,685	Mar. 1	899	.....	109	195
Food-cutter.....	C. J. Shirreff.....	748,665	Jan. 5	212	51	108	46
Food-cutter.....	M. A. Pluecker.....	760,779	May 24	4385	932	110	1033
Food-cutter.....	G. D. Bourdeau.....	770,470	Nov. 29	5801	1228	113	1379
Food. Making cereal malted.....	J. D. Januliewicz.....	749,429	Jan. 12	1783	.....	108	422
Food. Means for preparing liquid.....	S. Januliewicz.....	763,401	June 28	3557	766	110	2374
Food package. Stock.....	M. L. Luebben.....	776,139	Nov. 29	5267	1113	113	1256
Food product.....	J. C. Fleming.....	761,666	June 7	79	110	1455
Food product.....	C. H. Campbell.....	762,277	June 14	1275	274	110	1738

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. C.	Vol.	Page.
Food products. Apparatus for preparing cereal.	J. H. Miller	757,945	Apr. 19	3457	748	109	2116
Food products. Plant for curing	C. B. Trescott	750,133	Jan. 19	3181	684	108	739
Food products. Preparing rice	J. W. Johnson and L. Lock	749,564	Jan. 12	2086	—	108	489
Food products. Preparing rice or like cereal	J. W. Johnson and L. Lock. (Re-issue.)	12,211	Apr. 5	1180	—	109	1506
Food products. Treating	P. Heyde and J. E. Mitchell	765,972	July 26	4147	886	111	944
Food-receptacle.	G. Hacker	770,364	Sept. 20	2345	494	112	565
Food. Stock	H. C. Joehnk and H. Wiese	776,695	Dec. 6	257	—	113	1486
Food-warmer	W. S. and L. C. Bonsall	760,607	May 24	4010	853	110	953
Food. Apparatus for retaining heat in	E. C. Kirk	758,009	Apr. 19	3584	776	109	2144
Foot. Artificial	J. F. Rowley	759,753	May 10	2352	490	110	748
Foot-power mechanism	M. Slotkin	762,034	June 7	763	155	110	1605
Foot-rest.	M. Slotkin	767,177	Aug. 9	2155	448	111	1537
Foot-rest and pedal extension	A. P. Taliaferro	777,820	Dec. 20	2679	589	113	2044
Foot-rest. Detachable	A. M. Bates	759,959	May 17	2757	578	110	654
Foot-tub	A. O. Warren	770,205	Sept. 13	2016	425	112	470
Foot-warmer	J. A. Caldwell	771,134	Sept. 27	3823	807	112	910
Foot-warmer or heater	J. D. Carney	752,516	Feb. 16	3263	737	108	1801
Force-feed lubricator	O. O. Petty	750,060	Jan. 19	3055	655	108	713
Force-feed lubricator	G. W. Moser	772,427	Oct. 18	2463	540	112	1539
Force-feed lubricator	H. Winkenwerder	773,446	Oct. 25	4669	987	112	2034
Forces due to inertia and weight of valve-gear. Device for relieving	L. D. Lovekin	775,573	Nov. 22	4151	873	113	992
Forceps	I. O. Mullison	778,062	Dec. 20	3181	700	113	2144
Forceps. Obstetrical	H. E. Koch	751,656	Feb. 9	1613	366	108	1419
Forceps. Root-extracting	N. D. Aschell	772,324	Oct. 11	2244	492	112	1460
Forceps. Spring	J. Müller	766,057	July 26	4306	922	111	976
Forge. Folding field	K. F. Schaller	772,675	Oct. 18	2943	645	112	1632
Forge foot-power mechanism	M. Slotkin	762,005	June 7	765	—	110	1605
Forge-furnace	H. L. Gantt	762,301	June 14	1330	285	110	1749
Forge. Portable	J. Reilley	769,276	Sept. 6	276	65	112	60
Forging apparatus	J. H. Baker	755,433	Mar. 22	4332	958	109	994
Forging-machine combination-die	H. Jeffrey	757,197	Apr. 12	1967	429	109	1780
Forging mechanism. Bar-head	J. Hughes	776,845	Dec. 6	776	169	113	1597
Forging press and die	F. E. Canda	751,430	Feb. 2	1200	273	108	1312
Forging-suspender	E. F. Galloway, Jr.	752,218	Feb. 16	2690	595	108	1676
Fork:							
See Corn-fork.	Kitchen-fork.						
Fodder-fork.	Loom filing-fork.						
Hay-fork.							
Fork and rake. Combined	C. Prangemeier	768,769	Aug. 30	5405	1138	111	2314
Fork attachment	E. J. Yearly	773,270	Oct. 25	4506	910	112	1957
Forming, elevating, and conveying machine	A. P. Tattersson	756,910	Apr. 12	1389	309	109	1654
Form and stocking-supporter. Hip	G. Beeler	756,455	Apr. 5	532	111	109	1456
Form. Dress	S. J. Secord	762,354	June 14	1430	309	110	1768
Form. Dress	O. Borchert	765,455	July 19	3118	653	111	710
Form for making holes or conduits in concrete or other structures	E. Nickerson	752,249	Feb. 16	2751	610	108	1691
Form for packing and exhibiting garments. Expandable	J. G. Bixby	770,492	Sept. 20	2587	548	112	618
Form for stacking coats	T. H. Cannon	751,376	Feb. 2	1114	252	108	1295
Form. Garment	J. Walker	751,764	Feb. 9	1813	414	108	1460
Form. Garment	G. Weant	775,260	Nov. 15	3457	730	113	821
Form-pad	K. L. Stenhouse	751,215	Feb. 2	917	188	108	1231
Formaldehyde apparatus	S. Rauschenberg	762,845	June 14	2458	532	110	1259
Formaldehyde compound	W. Sternberg	761,260	May 31	5361	—	112	198
Formaldehyde hydrosulphites and making same	L. Descamps	769,593	Sept. 6	874	—	112	198
Foundation	E. C. Hodges	774,176	Nov. 8	1260	267	113	301
Foundations, tunnels, &c. Constructing	C. SooySmith	753,955	Mar. 29	5372	1185	109	1242
Foundry-flask	E. J. Cochran	763,465	June 28	3684	794	110	2302
Foundry-oven	J. Elsner	778,121	Dec. 20	3299	724	113	2168
Foundry system	G. W. Packer	769,332	Sept. 6	372	86	112	80
Fountain:							
See Drinking-fountain.	Water-fountain.						
Soda-fountain.	Watering-fountain.						
Table-fountain.							
Fountain	F. C. Damm	755,114	Mar. 22	3741	832	109	870
Fountain	J. A. Edmundson	772,139	Oct. 11	1863	414	112	1374
Fountain and penholder	J. G. Magin	762,830	June 14	2419	527	110	1981
Fountains without water.	Apparatus for producing artificial	C. H. Roedel	Apr. 5	659	142	109	1481
Fowl-carrier	G. F. Bush	750,252	Jan. 26	3400	735	108	805
Frame:							
See Adjustable protective frame.	Engine-frame.						
Bicycle-frame.	Fireproof metal window-frame.						
Binder-frame.	Key-frame.						
Car-frame.	Locomotive-tender frame.						
Car gallows-frame.	Picture-frame.						
Carrier-frame.	Roller-frame.						
Cushion-frame.	Spectacle-frame.						
Drawing-frame.	Spinning and twisting frame.						
Dress-suit-case frame.	Supporting-frame.						
Dusting-frame.							
Frame	F. N. Cottle	777,079	Dec. 13	1299	272	113	1718

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Frame or the like supporting device	H. I. Poor	771,969	Oct. 11	1428	325	112	1278
Framing or other purposes. Stock for	J. H. Killon	771,970	Feb. 9	1351	348	108	1365
Fraying machine. Goods	J. M. Deen	771,130	Sept. 27	8833	810	112	912
Freezing and bricking apparatus	A. L. Tenney	751,360	Feb. 2	1088	246	108	1289
Freezing mechanism	R. A. Dewsberry	770,357	Sept. 20	2332	492	112	562
Freezing-tank	C. W. Vollmann	754,332	Mar. 15	2640	573	109	613
Freight-handling apparatus	F. B. Hewitt	774,620	Nov. 8	181	449	113	437
Freight transfer. Warehouse or factory	J. Gilmour	755,478	Mar. 22	4409	977	109	1010
French rolls. Mold for making	B. Yere	772,688	Oct. 18	2972	652	112	1639
Friction-brake	L. P. Valiquet	757,159	Apr. 12	1896	414	109	1763
Friction-brake	G. A. Ensign	766,608	Aug. 2	905	202	111	1256
Friction-brake. Automatic	A. Sedgwick	770,661	Sept. 20	2900	617	112	687
Friction-coupling	W. H. Smith	755,953	Mar. 29	5305	1184	109	1240
Friction device	G. L. Harvey	758,066	Apr. 26	3721	808	109	2191
Friction device	G. L. Harvey	758,067	Apr. 26	3724	809	109	2191
Friction device	L. A. Shepard	769,841	Sept. 13	1353	289	112	325
Friction-spring	P. Hien	767,479	Aug. 16	2725	572	111	1681
Frost-preventer	J. W. Fulton	762,476	June 14	1696	365	110	1826
Fruit-bleacher	C. W. Kimmons	753,143	Feb. 23	4507	1005	108	2095
Fruit-box	C. W. Stevenson	755,048	Nov. 15	2972	633	113	703
Fruit-chute gate	A. Hamilton	755,483	Mar. 22	4418	979	109	1012
Fruit-cleaner and grader	E. H. Richardson and F. J. Kimball	755,937	Mar. 29	5331	1176	109	1233
Fruit-cleaning apparatus. Dried-	G. Herbert, Jr.	749,931	Jan. 19	2810	600	108	662
Fruit-drier	H. E. Smith	749,404	Jan. 12	1750	370	108	417
Fruit-drier	A. A. Quarnberg	753,737	Mar. 1	999	227	109	215
Fruit-drier	S. L. Feathers	768,438	Aug. 23	4722	930	111	2148
Fruit-drier	H. A. Hoover	769,608	Sept. 6	895	194	112	208
Fruit-elevator	C. D. Nelson	751,676	Feb. 9	1642	373	108	1422
Fruit-feeder	I. H. Fay	750,628	Jan. 26	4104	880	108	957
Fruit-gatherer	H. Mayo	750,723	May 10	2306	479	110	538
Fruit-gatherer	J. Wilson	760,048	May 17	3387	613	110	635
Fruit-gatherer	A. Dansereau	769,591	Sept. 6	872	187	112	197
Fruit-gatherer	F. D. Henrickson	773,391	Oct. 25	4553	962	112	2011
Fruit-gatherer	F. H. Borden	774,737	Nov. 15	2344	507	113	558
Fruit-gatherer	J. R. Reid	775,348	Nov. 15	3439	627	113	816
Fruit-grader	T. Strain	775,015	Nov. 15	2905	621	113	696
Fruit-grader	R. Strain. (Reissue)	12,297	Dec. 27	4693	1026	113	2492
Fruit-harvester	E. F. Wilson	776,580	Dec. 6	227	51	113	1479
Fruit-jar	G. H. Ricke	759,830	May 10	2321	527	110	585
Fruit-jar	E. J. Yearly	765,410	July 19	3017	632	111	689
Fruit-jar	W. Richards	770,387	Sept. 20	2355	504	112	574
Fruit-jar or package and sealing same	W. V. Vaughan	774,119	Nov. 1	1155	247	113	261
Fruit or berry box	J. E. Lynum	757,558	Apr. 19	2702	590	109	1949
Fruit or lard press	S. R. Munson	776,333	Nov. 29	5494	1163	113	1308
Fruit or vegetable cutter	S. D. Smithwick	751,695	Feb. 9	1651	381	108	1434
Fruit or vegetable eye extractor	R. Patterson	757,835	Apr. 19	3247	705	109	2670
Fruit-package. Knockdown	E. L. Walker	767,613	Aug. 16	3005	627	111	1743
Fruit-picker	P. Pinch	750,061	Jan. 19	3056	656	108	713
Fruit-picker	F. C. Howell	753,885	Mar. 8	1340	301	109	309
Fruit-picker	H. C. Balch	766,637	Aug. 2	1061	232	111	1276
Fruit-picker	S. H. Kuhn	767,702	Aug. 16	3160	661	111	1777
Fruit-picker	J. H. Widdicombe	769,722	Sept. 13	1115	239	112	270
Fruit-picker	G. O. Stansbury and E. Z. Cummins	771,842	Oct. 11	1229	273	112	1236
Fruit-picker	B. J. Downing	772,275	Oct. 11	2147	469	112	1438
Fruit-picker	J. B. Marshall	773,293	Oct. 25	4347	918	112	1966
Fruit-picker	H. J. Sharp	774,793	Nov. 15	2455	530	113	584
Fruit-picker	J. W. Buchanan	775,519	Nov. 22	4006	846	113	961
Fruit-picker	L. Terry	776,961	Dec. 6	1009	216	113	1651
Fruit-picker	J. Utterback	777,572	Dec. 13	2183	473	113	1993
Fruit-pitter	S. H. Shelley	759,929	Feb. 23	4108	914	108	2006
Fruit-pitter	J. A. McCune	773,885	Nov. 1	704	148	113	161
Fruit pitting and stuffing machine	L. Middlekauff and C. A. Schirm	749,697	Jan. 12	2328	491	108	540
Fruit-pitting-machine feeder	J. S. Briggs	770,957	Sept. 27	3491	736	112	837
Fruit-press	F. Fürst	755,126	Mar. 22	3756	825	109	873
Fruit-processing device	C. F. Fleming	765,381	July 19	2958	619	111	676
Fruit-protector	F. B. Reed	771,387	Oct. 4	93	21	112	632
Fruit-renovator	H. J. W. and B. Hornby	771,638	Oct. 4	825	184	112	1136
Fruit-sorter	J. B. Crum	764,919	July 12	2100	434	111	476
Fruit-wrapping-paper holder	K. Cooper	763,045	June 21	2831	614	110	2092
Fruits and vegetables. Apparatus for scalding and washing	R. I. Fancher	757,186	Apr. 12	1948	426	109	1778
Fruits. Treating	C. R. Wilson	757,706	Apr. 19	3000	652	109	2016
Frying machine. Cruller	J. Harrison	778,032	Dec. 20	3125	687	113	2132
Fuel	H. R. Dorr	753,246	Mar. 1	57	109	109	15
Fuel and making same. Artificial	M. F. Marinis	774,630	Nov. 5	2187	493	113	501
Fuel and making same. Artificial	G. W. Herbein	778,781	Dec. 27	4566	113	2163	
Fuel and making same. Composite	M. R. Spelman	776,365	Nov. 29	5603	113	1354	
Fuel and producing same. Artificial	W. B. Thomas	756,189	Mar. 29	5774	109	1327	
Fuel. Artificial	G. T. Howard	751,172	Feb. 2	727	108	1213	
Fuel. Artificial	M. and C. Moscovitz	756,523	Feb. 5	924	109	1512	
Fuel. Artificial	M. C. Gama	764,626	July 5	1261	111	275	
Fuel. Artificial	F. J. Bulask	764,986	July 12	2224	111	508	
Fuel. Artificial	A. M. Thomas	765,444	July 19	3096	111	706	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Fuel. Artificial.	D. Markfeld	766,834	Aug. 9	1475	-----	111	1389
Fuel. Artificial.	J. M. Denham	773,004	Oct. 25	3394	-----	112	1792
Fuel. Artificial.	G. K. Hollister, Jr.	775,241	Nov. 15	3424	-----	113	813
Fuel. Artificial block	M. Andes	776,373	Nov. 29	5705	-----	113	1357
Fuel atomizer. Liquid-	E. G. Duisenberg	757,100	Apr. 12	1769	384	109	1735
Fuel block and producing same. Artificial.	M. W. Cottle	751,468	Feb. 9	1267	-----	108	1345
Fuel block or briquet.	G. W. Hopp	766,188	Aug. 2	65	-----	111	1035
Fuel blocks. Manufacture of artificial.	W. Y. Crulshank	755,278	Mar. 22	4039	-----	109	931
Fuel-burner.	W. E. Gibbs	762,048	June 7	838	172	110	1618
Fuel-burner.	E. F. Gwynn. (Reissue).	12,293	Dec. 6	1200	262	113	1695
Fuel burner and mixer	T. M. Dudgeon	764,373	July 5	743	152	111	164
Fuel by distillation. Manufacture of artificial.	J. T. Davis	763,367	June 21	3255	-----	110	2189
Fuel. Composition.	C. H. Carpenter	756,936	Apr. 12	1437	-----	109	1665
Fuel-economizer	E. Green	768,043	Aug. 23	3876	812	111	1052
Fuel-economizing apparatus	G. H. Burpee	750,590	Jan. 26	4050	876	108	945
Fuel-feed device. Pulverulent	W. F. Wolfe	765,033	June 21	2806	609	110	2087
Fuel-feeding apparatus.	G. L. Swift	764,693	July 12	1639	335	111	374
Fuel-feeding apparatus. Fine-	M. Prigga	768,482	Aug. 23	4801	1006	111	2163
Fuel-feeding device	G. W. Lumbert	749,206	Jan. 12	1338	287	108	328
Fuel-feeding device. Powdered-	C. Brossmann, Jr.	772,606	Oct. 18	2814	619	112	1604
Fuel-feeding mechanism for internal-combustion motors.	A. E. Brillié	774,034	Nov. 1	993	208	113	225
Fuel-feeding system. Liquid-	D. E. Johnson	749,994	Jan. 19	2924	625	108	687
Fuel. Injector or burner for oil, liquid, or gaseous.	E. Dyson	775,914	Nov. 29	4516	1020	113	1152
Fuel. Manufacture of artificial	P. Grayson	770,851	Sept. 27	3287	-----	112	790
Fuel. Manufacture of artificial.	J. J. Shedlock	774,705	Nov. 8	2232	487	113	511
Fuel. Producing artificial	G. K. Hollister, Jr.	762,718	June 14	2195	-----	110	1931
Fuel. Smokeless	T. Weepie	759,783	May 10	2413	-----	110	562
Fuel tank. Liquid-	F. T. Cable and L. Y. Spear	751,609	Feb. 9	1523	347	108	1401
Fuelling-mill stop-motion	J. P. Ryan	758,107	Apr. 26	3733	824	109	2208
Fumes. Device for distributing noxious.	L. M. Beckes	756,068	May 3	941	190	110	214
Fumigating apparatus	F. O. Hawley	769,079	Aug. 30	6030	1263	111	2453
Fumigating device	J. Hurley	772,259	Oct. 18	2336	512	112	1501
Fumigator	W. B. Cunningham	752,657	Feb. 23	3562	793	108	1884
Fumigator	A. Van Winkle	756,916	Apr. 12	1398	311	109	1636
Fumigator	B. K. Hollister	773,145	Oct. 25	4038	855	112	1898
Fumigator. Pocket	F. E. Wolcott	772,993	Oct. 25	3578	775	112	1789
Funnel	M. Hunter	760,069	May 17	2976	622	110	706
Funnel	J. B. Paradis	761,702	June 7	160	31	110	1474
Funnel	W. E. Burgess	764,422	July 5	1049	213	111	233
Funnel	H. F. Ganon	766,611	Aug. 2	973	204	111	1257
Funnel	E. Hagenbach	766,616	Aug. 2	980	206	111	1259
Funnel. Automatic	R. L. McEwen	778,695	Dec. 27	4407	964	113	2428
Fur-beater	S. F. Shriber	750,714	Jan. 26	4265	926	108	921
Fur garment	L. M. Geschickter	765,618	July 19	3427	722	111	776
Fur or hair from water. Means for removing	W. Hupchen	763,981	July 5	104	17	111	521
Fur skins. Machine for removing hairs from	T. C. Mills	754,381	Mar. 8	2323	507	109	534
Fur skins. Machine for removing hairs from	T. C. Mills	754,382	Mar. 8	2325	508	109	524
Furnace:							
See Blast-furnace.	Hot-air and hot-water						
Boiler-furnace.	furnace						
Brazing-furnace.	Hot-water furnace.						
Brick-kiln furnace.	Hydrocarbon-furnace.						
Calcining-furnace.	Incinerating-furnace.						
Cement-furnace.	Melting-furnace.						
Combination-fur-	Metal-melting furnace.						
nace.	Metallurgical furnace.						
Convertible fur-	Oil heating-furnace.						
nace.	Ore-roasting furnace.						
Cremating-furnace.	Ore-treating furnace.						
Crucible-furnace.	Puddling-furnace.						
Electric furnace.	Refuse-burning furnace.						
Electric-arc fur-	Roasting-furnace.						
nace.	Roasting and smelting						
Electric-resistance	furnace.						
furnace.	Roasting or desulfuriz-						
Electrical furnace.	ing furnace.						
Floor-furnace.	Slag-furnace.						
Forge-furnace.	Smelting-furnace.						
Gas-furnace.	Smoke-consuming fur-						
Gas or solid fuel fur-	nace.						
nace.	Smoke-preventing fur-						
Gas reheating-fur-	nace.						
nace.	Solid and fluid fuel fur-						
Glass-furnace.	nace.						
Glass-melting fur-	Steam-generator fur-						
nace.	nace.						
Glass-reheating	Tube-furnace.						
furnace.	Vapor-burning furnace.						
Glass-tank furnace.	Warm-air furnace.						
Heating-furnace.	Zinc-producing furnace.						
Hot-air furnace.							
Furnace	C. J. Andrus	748,833	Jan. 5	526	120	108	120
Furnace	L. W. Stevens and B. Timmerman	749,462	Jan. 12	1693	394	108	445
Furnace	T. Murphy	750,214	Jan. 19	3324	718	108	770
Furnace	G. Garrett	750,635	Jan. 26	4115	891	108	959
Furnace	R. S. Franz	750,759	Jan. 26	4394	948	108	1023
Furnace	P. A. MacKay and W. E. Moore	750,868	Feb. 2	162	38	108	1093
Furnace	W. R. Hampden	752,068	Feb. 16	2411	538	108	1612

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Furnace.....	W. H. Gregg	753,770	Feb. 23	3763	840	108	1929
Furnace.....	D. A. Ebinger	753,250	Mar. 1	65	17	109	16
Furnace.....	F. Gorman	753,793	Mar. 1	1147	258	109	247
Furnace.....	D. J. McKenzie	754,792	Mar. 15	3161	688	109	725
Furnace.....	J. Rahskopf	755,045	Mar. 22	3923	795	109	543
Furnace.....	W. Summers	755,186	Mar. 22	3871	854	109	896
Furnace.....	W. Clasper	756,475	Apr. 5	573	119	109	1463
Furnace.....	S. O. Richardson, Jr.	756,894	Apr. 12	1357	301	109	1648
Furnace.....	S. C. Davidson	757,442	Apr. 19	2462	157	109	1899
Furnace.....	O. Wundrack	757,536	Apr. 19	2662	583	109	1940
Furnace.....	A. H. Mylin and L. B. White	757,949	Apr. 19	3461	749	109	2117
Furnace.....	J. Murphy	759,002	May 3	835	169	110	192
Furnace.....	W. N. Best	761,624	May 31	6027	1294	110	1409
Furnace.....	R. D. McManigal	764,755	July 12	1764	360	111	401
Furnace.....	W. Hentschel	766,347	Aug. 2	417	88	111	1132
Furnace.....	J. T. Greene	766,440	Aug. 2	587	124	111	1168
Furnace.....	F. P. Smith	766,849	Aug. 9	1499	313	111	1393
Furnace.....	L. Dietz	767,636	Aug. 16	3051	637	111	1753
Furnace.....	W. E. Walsh	767,783	Aug. 16	3295	696	111	1808
Furnace.....	B. Hamilton	768,851	Aug. 30	5584	1172	111	2354
Furnace.....	T. G. Selleck	770,025	Sept. 13	1688	1173	112	399
Furnace.....	G. S. Kent	771,159	Sept. 27	3895	822	112	924
Furnace.....	R. H. McCoy	771,166	Sept. 27	3912	825	112	928
Furnace.....	F. G. Cooper	771,420	Oct. 4	418	92, 93	112	1045
Furnace.....	S. F. Pierce	772,053	Oct. 11	1694	378	112	1337
Furnace.....	E. Lane	773,328	Oct. 25	4418	937	112	1979
Furnace.....	B. H. Cass	773,542	Nov. 1	15	4	113	6
Furnace.....	A. C. Calkins	774,232	Nov. 8	1353	288	113	322
Furnace.....	E. S. Ormsby	775,930	Nov. 29	4942	1025	113	1158
Furnace.....	W. A. Kóneman	776,185	Nov. 29	5354	1133	113	1276
Furnace.....	E. S. Ormsby	776,539	Dec. 6	142	33	113	1457
Furnace.....	W. E. Walsh	777,454	Dec. 13	1034	428	113	1871
Furnace.....	W. J. Simplin	777,814	Dec. 20	2570	587	113	2042
Furnace air-blast devices. Means for securing	F. Fiebert	779,389	Feb. 2	1136	238	108	1239
Furnace air-firing device	G. W. Brown	783,664	Mar. 1	858	194	109	186
Furnace ash-chute	F. J. Blum	787,435	Apr. 19	2450	535	109	1896
Furnace attachment	T. J. March	780,542	May 24	3884	824	110	925
Furnace bells. Elevating and lowering device for blast	W. J. Mann	757,211	Apr. 12	1989	433	109	1784
Furnace blast-pipe. Boiler	E. J. Gordon	771,304	Oct. 4	165	36	112	996
Furnace-casing	T. J. March	764,857	July 12	1973	407	111	448
Furnace charger	W. H. Freeland	788,596	Aug. 30	5066	1063	111	2239
Furnace-charging apparatus	S. Forter	773,634	Nov. 1	103	42, 43	113	47
Furnace-charging apparatus. Blast	K. Backlund and B. F. Burman	758,498	Apr. 26	4567	1982	109	2381
Furnace-charging apparatus. Blast	W. Kennedy	768,858	Aug. 30	5597	1176	111	2356
Furnace-charging apparatus. Blast	W. R. Reece	770,111	Sept. 13	1832	387	112	430
Furnace-charging apparatus. Blast	K. Schneider	774,788	Nov. 15	2445	1527	113	582
Furnace-charging crane	C. L. Taylor	777,450	Dec. 13	1928	426	113	1869
Furnace combustion apparatus	V. Zanetti	758,404	Apr. 26	4381	941	109	2338
Furnace construction	G. L. Junge	773,148	Oct. 25	4042	856	112	1898
Furnace cooling device. Blast	L. Keyling	770,910	Sept. 27	3396	716	112	814
Furnace discharging device	C. I. Dailey	751,720	Feb. 9	1728	392	108	1443
Furnace-door	H. H. Huff	755,007	Mar. 22	3561	780	109	829
Furnace, &c., door	J. H. Silley	762,850	June 14	2464	534	110	1991
Furnace-door frame and de-id-plate	J. E. Wright	761,746	June 7	241	46, 47	110	1941
Furnace-door opener. Automatic	W. Gowin	767,561	May 16	2896	606	111	1720
Furnace-door. Reversible	I. R. Davis	758,092	May 3	34	7	110	11
Furnace draft-controlling mechanism. Steam-boiler	J. E. Gerould	758,749	May 3	346	69	110	85
Furnace draft-governor. Boiler	E. B. Kirby	772,519	Oct. 18	2651	583	112	1569
Furnace-feeder	J. Roger	770,701	Sept. 20	2978	633	112	705
Furnace feeding mechanism. Billet-heating	V. E. Edwards	756,946	Apr. 12	1457	322	109	1669
Furnace feeding plant. Metallurgical	A. P. Gaines and E. R. Cox, Jr.	760,189	May 17	3223	677	110	759
Furnace fire-arch	D. J. McKenzie	766,965	Aug. 9	1729	363	111	1445
Furnace-flue duct into blocks. Converting	S. V. Peppel	765,789	July 26	3814	383	111	869
Furnace-flues. Apparatus for making deeply-corrugated	W. Rainforth	770,108	Sept. 13	1824	1275	112	428
Furnace for burning dirt	A. P. Warren	756,191	Mar. 29	5775	1276	109	1327
Furnace for burning materials	C. W. Stanton	767,180	Aug. 9	2159	449	111	1537
Furnace for burning tan or like fuel	D. M. Myers	754,933	Mar. 15	3414	746	109	780
Furnace for heating spokes, &c.	E. Einfeldt	766,780	Dec. 6	625	137	113	1564
Furnace for melting metals or other purposes	C. Spiegel	767,179	Aug. 9	2157	448	111	1587
Furnace for melting steel, &c. Movable swinging-body	L. Rousseau	749,403	Jan. 12	1747	370	108	416
Furnace for reducing and smelting nickel oxides	R. R. Maffett	774,501	Nov. 8	2023	441	113	465
Furnace for reduction of garbage or other refuse matter	J. Lindsay and R. J. Cunningham	776,605	Dec. 6	274	60	113	1490
Furnace for roasting, smelting, &c.	U. Wedge	777,577	Dec. 13	2192	481	113	1926
Furnace for steam-generators, &c.	W. H. Longsdorf	767,704	Aug. 16	3164	662	111	1779

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Furnace for the combustion or destruction of refuse. Shaft.	H. Ochwat.	769,872	Sept. 13	1402	299	112	335
Furnace for the manufacture of steel	G. Gin	771,572	Oct. 11	1307	295	112	1252
Furnace fuel-feeding device. Boiler.	J. and W. Reagan	767,083	Aug. 9	1962	409	111	1496
Furnace fuel-feeding device. Boiler.	J. and W. Reagan	767,084	Aug. 9	1965	410	111	1497
Furnace gas-seal. Metallurgical.	S. Stewart and H. Hughes	772,846	Oct. 18	3276	715	112	1704
Furnace-gases and simultaneously reducing ores. Utilizing waste	J. Herman	709,263	Sept. 6	345	57	112	53
Furnace-grate. Antiradiating	G. F. Watkins	766,301	Aug. 2	330	68	111	1113
Furnace-grate	H. A. Poppenhusen	753,108	Feb. 23	4443	988	108	2081
Furnace-grate	F. H. E. C. Nehse	753,298	Mar. 1	156	989	109	37
Furnace-grate	J. N. Quinn	771,934	Oct. 11	1436	327	112	1279
Furnace-grate	W. A. Ross	773,265	Oct. 25	4292	907	112	1954
Furnace-grate	F. Girtanner and S. L. Simpson.	774,663	Nov. 8	2147	470	112	492
Furnace-grate	R. M. Rubio	777,352	Dec. 13	1748	388	113	1890
Furnace-grate for smokeless combustion	F. Girtanner	760,444	May 24	3690	781	110	880
Furnace hearth. Smelting.	A. R. Partridge	757,222	Apr. 12	2008	436	109	1787
Furnace hoisting apparatus. Blast.	H. Heffrin	774,387	Nov. 8	1633	350	113	384
Furnace rabble. Roasting.	M. Corcoran	769,689	Sept. 13	1056	227	112	258
Furnace reversing-valve	S. M. Guss	775,563	Nov. 22	4181	868	113	988
Furnace skip-car or hoist. Blast.	S. W. Vaughan, J. B. McClure, and A. J. Boynton.	768,208	Aug. 23	4243	892	111	2036
Furnace top and charging device. Blast.	S. W. Vaughan, J. B. McClure, and A. J. Boynton.	768,207	Aug. 23	4240	892	111	2035
Furnace-valve	J. Kennedy	767,285	Aug. 9	2349	491	111	1578
Furnace valve mechanism	S. V. Huber	777,509	Dec. 13	2048	450	112	1895
Furnace valve. Regenerative.	J. M. Wight and H. Hyatt	757,002	Apr. 12	1573	344	109	1692
Furnaces and converters. Extracting moisture from air for blast.	J. Gayley	756,110	Mar. 20	5655	1248	109	1302
Furnaces. Apparatus for feeding fine fuel and air to	A. E. Creigh.	753,673	Mar. 1	878	198	109	191
Furnaces. Apparatus for heating air for supply- ing blast.	G. Teichgraber	749,502	Jan. 12	1972	409	108	462
Furnaces. Apparatus for the combustion of oil in.	H. Luckenbach	772,045	Oct. 11	1674	374	112	1332
Furnaces. Attachment for section-tempering	J. A. Weeding	770,448	Sept. 20	2489	528	112	595
Furnaces. Automatic draft-regulator and smoke-preventer for	A. H. Thayer	752,011	Feb. 9	2317	512	108	1572
Furnaces. Compensating terminal for electric	H. N. Potter	770,312	Sept. 20	2257	472	112	545
Furnaces. Constructing smelting.	J. B. McGee	769,665	Sept. 6	996	216	112	227
Furnaces. Device for aiding combustion in boiler.	E. R. Lewis	754,151	Mar. 8	1842	411	109	423
Furnaces. Fire-box for steam-boiler or other.	J. M. Stratton	752,123	Feb. 16	2513	559	108	1635
Furnaces, gas-generators, &c. Charging device for.	A. Ronay	766,908	Aug. 9	1602	337	111	1416
Furnaces. Hot-blast apparatus for metallurgical.	A. F. Gaines	759,171	May 3	1151	294	110	262
Furnaces, &c. Joint for brickwork of	F. C. Roberts	758,552	May 8	532	109	110	127
Furnaces. Means for feeding air into steam-boiler.	D. A. Reagan	777,139	Dec. 13	1347	298	113	1742
Furnaces. Means for operating hydrocarbon-burners for metallurgical	H. W. Falk	757,696	Apr. 19	2798	612	109	1972
Furnaces. Means for supplying oxygen to	F. H. Patrick	760,804	May 24	4440	945	110	1043
Furnaces. Mechanical rabble for ore roasting or calcining	A. E. Johnson	750,194	Jan. 19	3286	710	108	762
Furnaces. Method of avoiding loss of heat in	A. Kurzweinhart.	760,633	May 24	4072	866	110	966
Furnaces. Mixing and distributing chamber for gas-fired	G. R. Hislop	772,511	Oct. 18	2639	580	112	1566
Furnaces. Mud-gun for filling iron-notches of blast.	F. McCarthy	769,106	Aug. 30	6088	1274	111	2467
Furnaces or converters. Extracting moisture from air for blast.	J. Gayley	771,058	Sept. 27	3692	778	112	879
Furnaces, &c. Reversing-valve for regenerative.	C. G. Atha	754,272	Mar. 8	2075	460	109	471
Furnaces. System for the control of electric	W. M. Johnson	764,592	July 12	1424	392	111	328
Furnaces. Valve mechanism for gas-burning	H. R. Palmer	765,901	July 26	4007	855	111	912
Furnaces. Water-seal valve and valve-operating apparatus for regenerative	F. O. Stromborg	771,681	Oct. 4	908	205	112	1153
Furniture	M. E. Stockwell	749,709	Jan. 12	2358	498	108	546
Furniture	C. L. Ruehs	765,696	Nov. 19	3458	730	111	783
Furniture. Article of	G. W. Bent	775,466	Nov. 22	3908	826	113	940
Furniture. Combination	K. A. Ruetin	758,782	May 3	404	81	110	99
Furniture. Combination article of	J. H. Griffin	750,700	May 10	2250	465	110	525
Furniture. Combination piece of	J. M. Forbes	774,136	Nov. 1	1182	252	113	268
Furniture. Cushioned foot for metal	J. F. L. Uhl.	753,762	Mar. 1	1046	239	109	225
Furniture. Fastening device for detachable parts of	A. A. Hausske	760,116	May 17	3073	643	110	726
Furniture. Folding	G. H. Buck	749,915	Jan. 19	2775	598	108	655
Furniture folding leg	W. C. Willets	756,922	Apr. 12	1409	314	109	1659
Furniture foot-pad	D. L. Miller	763,306	June 21	3335	722	110	2303
Furniture-joint fastening	J. E. Faught	763,294	June 14	1322	282	110	1747
Furniture-joints in position. Device for securing	D. E. Vanvactor	756,997	Apr. 12	1561	342	109	1690
Furniture-leg	D. Schustek and H. L. Andrews.	750,900	Feb. 2	232	52	108	1109
Furniture-leg attachment	N. Stock	769,699	Sept. 13	1075	231	112	262
Furniture-lock	L. J. Kutz	769,949	Sept. 13	1549	330	112	366
Furniture. Metallic	E. Ohnstrand	751,097	Feb. 2	579	184	108	1184
Furniture. Metallic	E. Ohnstrand	751,099	Feb. 2	582	185	108	1185
Furniture. Metallic	E. Ohnstrand	751,495	Feb. 2	1207	276	108	1314
Furniture-pad	J. T. 679	771,679	Oct. 4	906	204	112	1153
Furniture-pad	L. Staples	777,700	Dec. 20	2427	533	113	1992
Furniture. School	W. Collins	766,020	July 26	4247	907	111	964
Furniture. Self-leveling	G. W. and R. W. Bostwick	750,577	Jan. 26	4021	870	108	939
Furniture. Self-leveling	G. W. and R. W. Bostwick	750,578	Jan. 26	4023	870	108	940
Furniture self-leveling apparatus	G. W. and R. W. Bostwick	769,144	Sept. 6	2	112	4	
Furniture-support. Self-leveling	E. E. Seacrist	751,689	Feb. 9	1669	378	108	1432

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & Page.	Vol.	Page.
Furniture-tip	L. C. Matlack	748,965	Jan. 5	794	172	108	181
Furniture-trimming-fastening device	C. D. Reeve	769,181	Sept. 6	89	22	112	31
Furniture-trimming-fastening device	D. W. Tower	769,199	Sept. 6	112	28, 29	112	26
Furniture. Wire	J. Salomon	751,419	Feb. 2	1181	269	108	1808
Furring-clip. Metallic	D. Ewart	757,863	Apr. 19	3302	715	109	2081
Furring. Wall	C. E. Dobbin	752,530	Feb. 16	3286	732	108	1806
Furring. Wall	J. H. Nicholson	757,489	Apr. 19	2557	561	109	1917
Fuse	W. McElroy	761,094	May 31	5041	1069 (1070)	110	1192
Fuse	G. Wright	770,034	Sept. 13	1701	360	112	401
Fuse	L. W. Downes	773,301	Oct. 25	4172	881	112	1927
Fuse and cut-out. Electric	B. H. Glover	776,660	Dec. 6	885	83	113	1513
Fuse-block	J. A. Heany	758,646	May 3	78	16	110	22
Fuse. Blow-out	F. B. Corey	758,172	Apr. 26	3910	849 (850)	109	2235
Fuse-box	R. H. Read	751,012	Feb. 2	425	101	108	1151
Fuse. Electric-circuit	T. Nagel	748,633	Jan. 5	166	40	108	37
Fuse. Electric-circuit	E. C. Phillips	750,244	Jan. 19	3387	731	108	785
Fuse for armor-piercing projectiles	H. S. Maxim	763,302	June 21	3338	720	110	2202
Fuse for exploding shells. Percussion	K. Wieser	750,785	Jan. 26	4451	959	108	1036
Fuse for exploding shells. Percussion	K. Wieser	757,105	Apr. 12	1905	416	109	1766
Fuse for explosive projectiles. Mechanical time	J. F. Meigs and E. A. Gathmann	772,470	Oct. 18	2556	562 (563)	112	1549
Fuse-link	E. L. Simons	768,487	Aug. 23	4811	1007	111	2165
Fuse. Magazine	H. E. Putney, E. H. Eckert, and M. D. Putney	761,908	June 7	596	119 (120)	110	1572
Fuse-making machine	G. Lispenard and E. C. Truyster	757,580	Apr. 19	2758	603	109	1963
Fuse or cut-out. Electric safety	J. A. Heany	758,647	May 3	79	16	110	22
Fuse or cut-out. Electric safety	J. A. Heany	758,648	May 3	80	16	110	22
Fuse or cut-out. Electric safety	J. A. Heany	758,649	May 3	80	17	110	22
Fuse. Percussion	H. Wilson and A. H. Chase	700,046	May 17	2933	613	110	694
Fuse. Percussion	A. T. Dawson and L. Silverman	766,022	July 26	4251	908	111	964
Fuse. Percussion	D. J. Cartwright	767,543	Aug. 16	2867	599	111	1713
Fuse-plug	R. Hundhausen	762,824	June 14	2406	523	110	1978
Fuse-plug	H. R. Sargent	769,113	Aug. 30	6105	1276	111	2470
Fuse-post. Self-soldering	C. R. Pitrat	767,437	Aug. 16	2642	555	111	1661
Fuse. Projectile	H. Dahlke	749,534	Jan. 12	3029	422	108	474
Fuse. Projectile	H. P. Merriam	770,084	Sept. 13	1777	376	112	418
Fuse. Projectile	H. P. Merriam	770,183	Sept. 13	1966	418	112	458
Fuse. Projectile	J. B. Sample	775,861	Nov. 22	4706	996	113	1111
Fuse-replacing device	H. G. Addie	772,300	Oct. 11	2000	441	112	1404
Fuse. Safety	F. L. Simon	772,967	Oct. 25	3533	765	112	1780
Fuse. Shell	C. P. Watson	763,229	June 21	3200	690	110	2176
Fuse. Shell	C. P. Watson	763,230	June 21	3201	690	110	2176
Fuse switch-box. Electric	L. W. Downes	778,331	Dec. 27	4107	894 (895)	113	2362
Fuse. Time	K. Wieser	776,100	Nov. 29	5194	1097	113	1239
Fuses. Protecting-cap for projectile	K. Wieser	764,405	July 5	1016	207	111	226
Fuses. &c. Safety locking device for projectile	H. P. Merriam	770,182	Sept. 13	1959	418	112	457
Fusee	E. Kern	751,400	Feb. 2	1155	263	108	1803
Fusion. Treating matters in	P. L. Hullin	754,566	Mar. 15	2716	591	109	638
Gabion	C. Kerr	752,781	Feb. 23	3783	845	108	1933
Gage							
See Automatic gage. Railway-track gage.							
Bit-gage. Rain-gage.							
Boiler glass water-gage. Raker-gage.							
Boiler water-gage. Rule-gage.							
Cap-cutting gage. Sand-box gage.							
Carpenter's gage. Saw-swing gage.							
Cheese-gage. Saw-table gage.							
Clapboard-marking gage. Sewing-machine gage.							
Depth-gage. Shear-gage.							
Door-gage. Shingle-gage.							
Garment-gage. Shoe-tip gage.							
High and low pressure gage. Side gage.							
Hinge-gage. Skirt-gage.							
Lathe diameter-gage. Surface-gage.							
Lead-gage. Tire-gage.							
Liquid-gage. Track-gage.							
Marking-gage. Washing-machine bluing-gage.							
Micrometer-gage. Watch-repairer's gage.							
Pressure-gage. Water-gage.							
Gage	R. A. Lachmann	750,204	Jan. 19	3301	713 (714)	108	765
Gage	J. W. Melvin	751,866	Feb. 9	2018	457	108	1507
Gage	J. J. Butterworth	753,120	Feb. 23	4465	993	108	2086
Gage	A. Casola	760,397	May 17	3415	721	110	802
Gage	F. B. Uncapher	762,019	June 7	776	138	110	1697
Gage	G. Arnold	762,673	June 14	2085	453	110	1910
Gage	E. B. Shephardson	763,211	June 21	3164	680	110	2167
Gage	C. W. Chafee	764,794	July 12	1841	378	111	419
Gage	H. S. Gardiner	765,471	July 19	3166	662	111	721
Gage and gage-clamp	F. H. Richards	766,790	Aug. 2	1346	283 (284)	111	1340
Gage and marker	W. E. Lough	757,132	Apr. 12	1845	403	109	1752
Gage and marker for dressmakers or others	M. M. Reis	750,321	Jan. 19	3393	721	108	773
Gage-frame	F. J. Gebhardt	761,954	June 7	675	137	110	1587
Gage-glass protector	T. Mirk	758,767	May 3	382	76	110	94
Gage-hand	F. C. Randall	771,084	Sept. 27	3742	789	112	891
Gage or lubricator glasses. Protecting-shield for	E. C. Mead	771,084	Sept. 27	3742	789	112	891
Gage pole or rod	F. Robinson	776,426	Nov. 29	5811	1230	113	1382
Gage-table and conveyor	C. W. Herman	756,959	Apr. 12	1482	327	109	1674

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Gages. Electric indicating mechanism for pressure.	J. P. Anderson	774,815	Nov. 15	2500	538	118	593
Gaining, routing, or mortising machine	W. S. Williams	772,596	Oct. 18	2794	615	112	1600
Gallery lift-tubes. Making	W. A. Painter	778,141	Dec. 20	3333	731	113	2177
Galley-stand	J. C. Kling	750,464	Jan. 26	3794	824	108	894
Galvanic battery	C. B. Schoenmehl	737,355	Apr. 12	2283	498	109	1845
Galvanic battery	C. B. Schoenmehl	764,826	July 12	1917	393	111	435
Galvanic battery	C. B. Schoenmehl	764,827	July 12	1918	393	111	435
Galvanic battery	A. J. Jacobson	768,180	Aug. 23	4188	880	101	2023
Galvanic battery. Reversible.	T. A. Edison	754,859	Mar. 15	3294	717	109	754
Galvanic element or battery.	P. Brandt	775,892	Nov. 22	4760	1009	113	1122
Galvanizing plants. Cooling-rack for.	W. Gibson	753,255	Mar. 1	73	18, 19	109	18
Game.	P. D. Bird	737,470	Apr. 19	2449	535	109	1866
Game.	J. R. Knapp	737,470	Apr. 19	2520	533	109	1910
Game.	L. M. Dieterich	760,384	May 17	3569	733	110	837
Game.	C. J. Malings	770,815	Sept. 27	3220	678	112	776
Game and amusement apparatus	A. Duffy	756,341	Apr. 5	298	62	109	1407
Game apparatus	H. Ramme	748,680	Jan. 5	239	55	108	52
Game apparatus	H. Ramme	748,788	Jan. 5	429	108	108	96
Game apparatus	J. S. Mather	749,872	Jan. 19	2680	573	108	634
Game apparatus	T. E. Goff	751,070	Feb. 2	526	122	108	1175
Game apparatus	W. H. and A. E. Dennis	751,473	Feb. 9	1273	291	108	1346
Game apparatus	C. F. Edmunds	733,561	Mar. 1	686	149	108	447
Game apparatus	S. E. Wharton	753,946	Mar. 8	1463	329	109	337
Game apparatus	C. W. Wing	753,949	Mar. 8	1474	331	109	340
Game apparatus	G. W. Maxwell	756,514	Apr. 5	635	137	109	1476
Game apparatus	A. G. P. Ebert	758,630	May 2	52	110	110	16
Game apparatus	J. A. McKenzie	759,186	May 3	1183	240	110	268
Game apparatus	A. Cannon	764,179	July 5	535	105	111	118
Game apparatus	H. U. Downing	766,676	Aug. 2	1109	231	111	1288
Game apparatus	G. K. Probes	768,300	Aug. 23	4424	390	111	2076
Game apparatus	G. W. Norton and J. March	768,397	Aug. 23	4614	972	111	2131
Game apparatus	H. Zeip	769,286	Sept. 6	302	70	112	65
Game apparatus	W. H. E. Wehner	771,514	Oct. 4	584	130	112	1083
Game apparatus	A. J. Black	771,604	Oct. 4	756	168	112	1120
Game apparatus	J. C. Cairns	771,895	Oct. 11	1351	306	112	1262
Game apparatus	E. J. Dupelre	772,344	Oct. 18	2293	503	112	1462
Game apparatus	J. C. Reckweg	774,107	Nov. 1	1137	243	113	238
Game apparatus	W. Bursbank	776,293	Nov. 29	5555	1176	113	1322
Game apparatus	J. Forsheim	776,312	Nov. 29	5584	1184	113	1328
Game apparatus. Ball.	F. E. Spink	773,167	Oct. 25	4100	867	112	512
Game apparatus. Check-controlled	G. W. MacKenzie.	774,377	Mar. 8	2315	505	109	523
Game apparatus. Coin-controlled	C. Molitor	749,698	Jan. 12	2331	492	108	540
Game apparatus. Educational	E. L. Steele	750,906	Feb. 2	340	53, 54	108	1111
Game apparatus or toy.	H. B. Andrews	773,243	Oct. 25	4351	890	113	1242
Game-board	L. J. Magie	748,626	Jan. 5	144	34, 35	108	882
Game-board	W. E. Butler	750,346	Jan. 26	3584	776	108	840
Game-board	O. M. Morse	755,576	Mar. 22	4577	1018	109	1047
Game-board	D. Stanger	757,976	Apr. 19	3513	762	109	2129
Game-board or table	J. F. Matthews	751,189	Feb. 2	756	315	108	1219
Game-board stand	E. T. Burrows	759,343	May 10	1564	316	110	375
Game. Card	R. L. Reed	755,243	Mar. 22	3976	882	109	918
Game. Card	J. H. Whitelaw	775,072	Nov. 15	3027	642	113	715
Game-counter. Combination	C. C. Nefzger	754,608	Mar. 8	1569	351	109	302
Game device	W. Lotz	750,988	Feb. 2	383	92	108	1142
Game device	S. G. Wilson	773,360	Oct. 25	4487	950	112	1995
Game-indicator	J. J. Poll	768,689	Aug. 30	5261	1106	111	2281
Game of cards	A. Semle	764,209	July 5	620	126	111	138
Game or puzzle	C. W. Spicer	771,943	Oct. 11	1462	332	112	1284
Game. Race.	A. W. M. Keen	750,545	Jan. 26	3970	859	108	999
Game-register	F. H. Smith	775,646	Nov. 22	4712	997	113	1112
Game register. Pool.	W. W. Munger and J. C. Bass	759,736	May 10	2319	483	110	511
Game set.	R. Freese	768,849	Aug. 30	5351	1172	111	2283
Game-table	J. S. Croxford	757,440	Apr. 19	2458	537	109	1898
Game-table.	P. J. Sausen	771,210	Sept. 27	3969	844	112	943
Game-table. Convertible	N. B. Stone	766,072	July 26	4335	929	111	982
Game. Tenpin	A. Ferland	764,185	July 5	547	101	111	121
Games may be played at night. System of illuminating fields so that	G. F. Cahill	755,447	Mar. 22	4355	965	109	999
Garbage, &c., and removing the oil, &c., therefrom.	C. S. Wheelwright	774,805	Nov. 15	2477	534	113	589
Cooking	C. S. Wheelwright	774,807	Nov. 15	2483	535	113	590
Garbage, &c., and removing the oil, &c., therefrom.	C. S. Wheelwright	774,807	Nov. 15	2483	535	113	590
Garbage box or receptacle	H. Breyer	775,061	Nov. 15	3000	638	113	709
Garbage-can	R. Metz	759,821	May 10	2502	523	110	581
Garbage-crematory	L. F. Decarie	749,269	Jan. 12	1469	314	108	355
Garbage-crematory	E. E. Hill	755,662	Mar. 29	4756	1059	109	1102
Garbage-crematory	H. B. Smith	757,149	Apr. 12	1872	409	109	1738
Garbage-crematory	M. J. Cragin	773,248	Oct. 25	4258	901	112	1946
Garbage-crematory	B. Boulger	773,020	Nov. 1	783	163	113	180
Garbage-digester	C. B. Kugler and A. Morrison	773,150	Oct. 25	4045	857	112	1899
Garbage or offal and removing the oil or grease therefrom. Apparatus for cooking	C. S. Wheelwright	774,804	Nov. 15	2475	534	113	588
Garbage or offal and removing the oil therefrom. Apparatus for cooking	C. S. Wheelwright	774,806	Nov. 15	2479	534	113	589
Garbage or offal. Apparatus for removing oil or grease from	C. S. Wheelwright	774,808	Nov. 15	2487	536	113	591

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Garbage-receptacle. Tilting.	J. D. Bragunier	768,579	Aug. 30	5018	1052	111	2228
Garbage-removing device.	E. O. Poppe	754,890	Mar. 15	3946	731	109	765
Garbage Treating.	A. J. Morris	763,104	Aug. 30	4084	1232	111	2465
Garden implement.	J. B. Bomberger	749,157	Jan. 12	1231	264	108	302
Garden implement.	G. E. Harter	761,072	May 31	4992	1059 1060	110	1180
Garden-tool.	N. W. Coon	766,983	Aug. 9	1673	351	111	1433
Garment.	J. A. Scriver	753,322	Mar. 1	191	45	109	46
Garment.	D. S. Steinberg	762,359	June 14	1441	313	110	1771
Garment.	S. J. Kempin	765,181	July 19	2580	539	111	594
Garment.	J. A. Scriver	765,515	July 19	3242	679	111	737
Garment.	C. Kenyon, Jr.	767,064	Aug. 9	1914	401	111	1487
Garment.	I. L. Matrow	770,596	Sept. 20	2773	588	112	659
Garment.	W. W. Glover	716,054	Nov. 29	5107	1080	113	1219
Garment adjuster or holder.	J. Wilson-Haffenden	753,775	Mar. 1	1088	247	109	235
Garment-clasp.	A. J. Krienitz	754,462	Mar. 15	2513	548	109	584
Garment-clasp.	M. Coffey. (Reissue)	12,237	June 28	4604	1007	110	2497
Garment-clasp.	J. P. Wilson	771,680	Oct. 4	451	208	113	1157
Garment-clasp or hose supporter.	A. H. Cohn	774,829	Nov. 15	2338	546	113	600
Garment. Combination.	E. C. Talcott	762,363	June 14	1448	314 315	110	1772
Garment-fastener.	C. C. Christensen	749,026	Jan. 5	943	199	108	219
Garment-fastener.	N. W. Perkins, Jr.	749,321	Jan. 12	1581	334	108	380
Garment-fastener.	W. S. Richardson	751,559	Feb. 9	1494	325	108	1383
Garment-fastener.	C. A. Bryant	753,847	Mar. 8	1270	285	109	294
Garment-fastener.	A. Cleves	755,617	Mar. 29	4673	1089	109	1083
Garment-fastener.	C. R. Baunehr	756,201	Apr. 5	6	2	109	1344
Garment-fastener.	B. M. Burr	758,507	Apr. 26	4590	987	109	2386
Garment-fastener.	E. Magaziner	759,425	June 1	2117	497	110	1394
Garment-fastener.	W. I. Dreisbach	759,683	May 10	2220	437	110	518
Garment-fastener.	F. K. Hatfield	766,500	Aug. 2	734	153	111	1201
Garment-fastener.	H. S. Pullman	767,957	Aug. 16	3658	772	111	1885
Garment-fastener.	F. Smith.	772,385	Oct. 18	2376	523	112	1510
Garment-fastener.	J. W. Filmer	776,684	Dec. 4	451	97	113	134
Garment-fastener.	M. W. Henius	776,741	Dec. 6	558	122	113	1550
Garment-fastener.	D. Rioux	777,144	Dec. 13	1334	299	113	1743
Garment-fastening.	C. M. Shubert	750,008	Jan. 19	2949	631	108	692
Garment-fastening.	G. Deans	753,087	Mar. 22	3612	792	109	841
Garment-fastening.	W. Becker	752,332	Oct. 18	2268	497	112	1486
Garment-fastening.	E. G. Skinner	775,094	Nov. 15	3069	632	113	725
Garment-fastening.	M. W. Ferris	776,309	Nov. 29	5579	1183	113	1327
Garment-fastening device.	J. V. Washburne and G. J. Richard	749,648	Jan. 12	2232	471	108	519
Garment-fitting stand.	W. H. Letters	776,138	Nov. 29	5265	1113	113	1256
Garment gage and marker.	E. Shoeneam	749,453	Jan. 12	2918	688	111	742
Garment-hanger.	M. M. Stone.	752,122	Feb. 16	2518	550	108	1635
Garment-hanger.	N. C. Terry	758,448	Mar. 1	427	100	109	93
Garment-hanger.	J. D. Coney and W. H. Omstead	756,588	Apr. 5	162	165	109	1504
Garment-hanger.	W. H. Omstead and J. D. Coney	756,978	Apr. 12	1536	335	109	1681
Garment-hanger.	J. H. Post	765,632	June 1	2918	443	110	1902
Garment-hanger.	J. T. Batts	765,381	July 19	2467	599	111	657
Garment-hanger.	J. J. Quinn	767,123	Aug. 9	2040	421	111	1513
Garment-hanger.	J. S. Gager	768,446	Aug. 23	4734	992	111	2150
Garment-hanger.	E. L. P. Pechon	769,634	Sept. 6	943	204	112	213
Garment-hanger.	S. N. Cragin	770,891	Sept. 27	3330	709	112	866
Garment-hanger.	A. H. Sin-shelmer	777,354	Dec. 13	1753	389	113	1830
Garment-hanger.	E. M. Webster	777,357	Dec. 13	1758	391	113	1832
Garment-hanger.	J. A. Carlson	778,007	Dec. 20	3072	675	113	2121
Garment-hanger. Combination.	S. V. Bonsall	771,527	Oct. 4	617	137	112	1090
Garment-hanger. Combination.	S. N. Marsh.	770,861	Dec. 6	806	174	113	1604
Garment-hanger. Locking.	M. Terletzky	759,772	May 10	2393	499	110	558
Garment-holder.	M. M. Strauss	756,074	Mar. 29	5573	1230	109	1285
Garment-holder.	T. J. Murphy	764,751	July 12	1753	357	111	399
Garment-holder.	J. S. Alexander	768,037	Aug. 23	3862	809	111	1949
Garment-hook.	E. V. Lake	752,457	Feb. 16	3155	703	108	1777
Garment-hook.	G. Stricker	755,411	Mar. 22	4291	949	109	987
Garment-hook.	W. F. Peet.	761,008	May 24	4826	1025	110	1127
Garment-hook.	H. B. Nichols	769,542	Sept. 6	991	170	112	179
Garment-hook.	W. H. Hipsley	771,685	Oct. 4	867	194	114	1145
Garment-hook.	C. Burkland	774,426	Nov. 8	1701	364	113	898
Garment. Infant's.	C. M. Kester	770,493	Sept. 20	2588	548	112	618
Garment. Netlier.	W. C. Brien	765,705	July 26	3616	769	111	831
Garment-press.	F. Lindsay	778,762	Dec. 27	4537	993	113	2456
Garment-pressing machine.	S. W. Curtiss	758,596	Mar. 1	731	163	109	159
Garment-protector.	E. L. Merrill	758,474	Mar. 1	471	110	109	163
Garment-retainer.	K. L. Merrill	761,779	June 7	329	66	110	1513
Garment. shelter-tent, and blanket-roll covering.	C. H. Mason	766,719	Aug. 2	1193	250	111	1306
Garment-stretcher.	J. B. Miller	754,478	Mar. 15	2553	556	109	594
Garment-stretcher and hanger.	E. C. Dedrick	763,163	June 21	3073	662	110	2146
Garment-support.	E. O. Presby	761,605	May 31	5746	1285	110	1400
Garment-supporter.	R. A. Perlie	751,994	Feb. 9	2203	513	108	1566
Garment-supporter.	J. J. Buchanan	734,194	Mar. 8	1919	427	108	439
Garment-supporter.	L. E. Schoeb	754,813	Mar. 15	3185	696	109	732
Garment-supporter.	W. S. Hunkins	756,237	Apr. 5	90	19	109	1391
Garment-supporter.	M. H. Boyce	756,464	Apr. 5	550	115	109	1460
Garment-supporter.	T. M. Heless	757,701	Apr. 19	2993	650	109	2015
Garment-supporter.	F. S. Bosdefeld	758,201	Apr. 26	3968	861	109	2247
Garment-supporter.	H. N. Northrop	760,476	May 24	3754	736	110	895
Garment-supporter.	I. B. Loos	760,885	May 24	4382	977	110	1073
Garment-supporter.	R. Gorton	761,956	June 7	678	137	110	1588
Garment-supporter.	F. Mulock	761,982	June 7	726	148	110	1593
Garment-supporter.	J. H. Oldach, Jr.	761,988	June 7	735	150	110	1600
Garment-supporter.	B. C. Williams and F. C. Heine	762,739	June 7	2326	508	110	1961
Garment-supporter.	F. Ferguson	763,271	June 21	3372	705	110	2190

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Draw.	Vol.	Page.
Garment-supporter.....	A. W. Mensor, H. Greenblatt, and J. A. Petta.....	768,767	Aug. 30	5401	1137	111	2313
Garment-supporter.....	J. C. Copeland.....	771,718	Oct. 4	973	217	112	1167
Garment-supporter.....	J. C. Copeland.....	771,719	Oct. 4	975	218	112	1168
Garment-supporter.....	O. Kraus.....	772,620	Oct. 18	2836	623	112	1609
Garment-supporter.....	F. W. Bickford.....	772,777	Oct. 18	3162	687	112	1678
Garment-supporter.....	F. Sneiderker.....	772,969	Oct. 25	3536	765	112	1780
Garment-supporter.....	C. A. Couch.....	773,715	Nov. 1	353	78	113	84
Garment-supporter.....	M. P. Zindorf.....	775,882	Nov. 22	4747	1006	113	1119
Garment-supporter.....	C. A. Harvey.....	777,095	Dec. 13	1264	278	113	1724
Garment-supporter and fastener.....	W. B. Streeter.....	777,818	Dec. 20	2676	588	113	2043
Garment-supporter and holder.....	J. H. and I. Taylor.....	768,082	Aug. 23	4015	844	111	1387
Garment-supporter and protector. Combined.....	C. C. Spengler.....	778,380	Dec. 27	3513	392	113	2298
Garment-supporter clasp.....	E. Ferneau.....	759,256	May 10	1392	278	110	338
Garment-supporter clasp.....	C. Andresen.....	749,145	Jan. 12	1205	258	108	295
Garment-supporter clasp.....	G. V. Traut.....	765,721	July 26	3668	782	111	839
Garment-supporter clasp.....	G. E. Frenchie.....	769,855	Sept. 13	1147	300	112	381
Garment-supporter clasp.....	P. S. Bauer.....	771,409	Oct. 4	390	86	112	1040
Garment-supporter clasp.....	J. C. Downey.....	772,875	Oct. 18	3333	737	112	1718
Garment-supporter for men.....	W. A. Wright.....	756,764	Apr. 5	1089	241	109	1575
Garment-supporter loop.....	J. H. Pilkington.....	758,686	May 3	155	33	110	38
Garment supporting and locking device.....	E. J. O. Rother.....	770,802	Dec. 6	681	176	113	1557
Garment-supporting hook-pin.....	E. C. Herring.....	750,032	Jan. 19	2999	643	108	702
Garment-supporting means.....	C. W. Mesick.....	752,789	Feb. 28	3797	849	108	1936
Garment-suspender. Combination.....	W. B. Tyler.....	750,325	Jan. 26	3550	767	108	842
Garments and catamenial sacks. Combined support for.....	E. H. Johnson.....	772,606	Oct. 18	3306	698	112	1688
Garments. Dry-cleaning.....	L. E. Barbe.....	774,025	Nov. 1	973	203	113	221
Garter.....	S. C. Paddock.....	771,442	Oct. 4	445	101	112	1032
Garter-clip.....	L. D. Woods.....	756,192	Mar. 29	3770	1276	109	1327
Garter suspender attachment.....	R. E. Bickelmar.....	777,028	Aug. 17	1141	248	113	2681
Garters, &c. Gripping device for.....	L. S. Greenberg.....	762,629	June 14	2045	433	110	1892
Gas and air mixing apparatus.....	C. C. Dodge.....	770,740	Sept. 27	3047	648	112	737
Gas and air mixing burner.....	F. G. Crone.....	766,494	Aug. 2	720	151	111	1197
Gas and coke. Apparatus for the manufacture of.....	J. C. H. Stut.....	766,553	Aug. 2	837	175	111	1225
Gas and coke making apparatus.....	J. C. H. Stut.....	766,555	Aug. 2	846	177	111	1226
Gas and coke. Manufacturing.....	J. C. H. Stut.....	766,400	Aug. 2	513	109	111	1153
Gas and coke. Retort for making.....	A. C. Kloman.....	754,459	Mar. 15	2506	545	109	582
Gas and oil engine.....	B. Musgrave.....	750,478	Jan. 26	3819	839	108	900
Gas and steam engine. Combined.....	G. K. Benner and H. B. Nicodemus.....	771,601	Oct. 4	751	168	112	1119
Gas and water separator.....	A. J. Simmons.....	761,109	May 31	5072	1076	110	1197
Gas apparatus.....	F. W. Beardsley.....	750,016	Jan. 19	2971	636	108	696
Gas apparatus. Acetylene.....	A. W. Cran.....	767,736	Aug. 16	3211	677	111	1790
Gas. Apparatus for manufacturing carbureted water.....	W. R. Addicks.....	758,882	May 3	614	122	110	146
Gas. Apparatus for producing motive power from liquid.....	G. B. Fraley.....	756,785	Apr. 5	1137	250	109	1587
Gas. Apparatus for the manufacture of.....	R. Dempster.....	748,938	Jan. 5	735	160	108	167
Gas. Apparatus for the manufacture of.....	L. P. Lowe.....	751,085	Feb. 2	556	139	108	1381
Gas. Apparatus for the manufacture of.....	C. H. Claudel.....	772,131	Oct. 11	1846	410	112	1370
Gas. Apparatus for the manufacture of.....	H. A. Bradley.....	773,781	Nov. 1	468	103	113	110
Gas. Apparatus for the manufacture of.....	H. S. Elworthy.....	777,848	Dec. 20	2738	604	113	2056
Gas battery.....	J. H. Reid.....	757,637	Apr. 19	2874	636	109	1989
Gas-bench retorts. Platform used in charging or discharging.....	K. M. Mitchell.....	760,640	May 24	4085	860	110	970
Gas-bracket support. Extension.....	A. J. Adams.....	771,219	Oct. 4	1	1	112	961
Gas-burner.....	A. E. Howard.....	748,607	Jan. 5	94	24, 25	108	22
Gas-burner.....	F. H. Allen.....	749,251	Jan. 12	1421	305	108	846
Gas-burner.....	H. W. Webb.....	751,706	Feb. 9	1817	414	108	1461
Gas-burner.....	C. V. Hill.....	751,733	Feb. 9	1805	425	108	1472
Gas-burner.....	C. T. Fuller.....	753,871	Mar. 8	1312	295	109	303
Gas-burner.....	W. Kohn.....	754,075	Mar. 8	1699	377	109	391
Gas-burner.....	H. Bryant.....	756,155	Mar. 29	5719	1263	109	1316
Gas-burner.....	T. E. Charlton.....	756,589	Apr. 5	754	164	109	1502
Gas-burner.....	O. B. Cornell.....	757,651	Apr. 19	2902	631	109	1995
Gas-burner.....	C. C. Campbell.....	758,411	Apr. 26	4393	944	109	2340
Gas-burner.....	E. Ruud.....	761,409	May 31	5650	1203	110	1325
Gas-burner.....	T. E. Charlton.....	761,820	June 7	421	85	110	1533
Gas-burner.....	T. C. Simms and G. H. Huston.....	761,924	June 7	426	106	110	1578
Gas-burner.....	R. M. Bucknam.....	762,878	June 27	2537	548	110	2025
Gas-burner.....	C. E. Harris.....	765,339	July 19	2886	602	111	661
Gas-burner.....	G. Imbert.....	765,340	July 19	2887	602	111	662
Gas-burner.....	W. C. Oberwalder.....	765,509	July 19	3233	676	111	735
Gas-burner.....	G. Machlet, Jr.....	766,636	Aug. 2	1015	213	111	1267
Gas-burner.....	R. Stickdon.....	767,019	Aug. 9	1317	382	111	1464
Gas-burner.....	F. W. Rath.....	767,958	Aug. 16	3860	773	111	1886
Gas-burner.....	W. T. Roberts and W. H. Riley.....	769,568	Sept. 6	834	178	112	188
Gas-burner.....	L. P. Dexter.....	771,356	Oct. 4	373	61	112	1018
Gas-burner.....	A. B. Shaw.....	775,289	Nov. 15	3317	741	113	832
Gas-burner.....	D. B. Fraser.....	776,659	Dec. 6	383	83	113	1513
Gas-burner.....	J. S. Briggs and L. W. Falwell.....	778,104	Dec. 20	3256	715	113	2159
Gas-burner.....	J. B. Salo.....	778,712	Dec. 27	4435	971	113	2435
Gas-burner. Acetylene.....	M. J. O'Reilly.....	778,794	Dec. 27	4539	1004	113	2470
Gas-burner. Acetylene.....	G. M. Lander.....	755,508	Mar. 22	4447	988	109	1018
Gas-burner. Acetylene.....	H. Symonds.....	755,965	Mar. 29	5385	1189	109	1245
Gas-burner. Acetylene.....	R. H. Walter.....	772,594	Oct. 18	2791	615	112	1600
Gas-burner. Acetylene.....	W. H. Drake.....	773,552	Nov. 1	40	9	113	13
Gas-burner. Air.....	L. Denayrouze.....	749,478	Jan. 13	1929	406	108	483
Gas-burner. Antivibratory.....	J. Franklin.....	777,501	Dec. 13	3028	447	113	1891
Gas-burner. Atmospheric.....	A. E. Harris.....	754,561	Mar. 15	2708	589	109	626
Gas-burner. Atmospheric.....	F. Gross.....	775,470	Nov. 22	3915	827	113	941
Gas-burner attachment.....	E. D. McChill.....	757,482	Apr. 19	2544	550	109	1915

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Gas-burner attachment	W. Kohn	778,252	Dec. 27 3545	777	113	2241	
Gas-burner. Automatic regulating	G. W. Lord	770,813	Sept. 27 3401	717	112	816	
Gas-burner cut-off. Automatic	J. W. Tatum and W. H. Parker	777,565	Dec. 13 2174	478	113	1921	
Gas-burner cut-off. Automatic	J. W. Tatum and W. H. Parker	777,566	Dec. 13 2176	478	113	1922	
Gas-burner for heating	L. Kahn and M. Longfellow	769,387	Sept. 6 497	110	112	113	
Gas-burner for heating and incandescent gas-lighting	V. A. Rettich	756,893	Apr. 12 1355	301	109	1647	
Gas-burner. Furnace	N. Côté	758,420	Apr. 26 4423	950	109	2348	
Gas-burner. Hot-air-generating	E. H. Schwartz	762,002	June 7 760	154	110	1604	
Gas-burner igniting device. Acetylene	H. C. Thomson	749,409	Jan. 12 1760	372	108	419	
Gas-burner. Incandescent	G. Grice and H. Dewey	749,533	Jan. 12 2072	430	108	485	
Gas-burner. Incandescent	J. W. Bray	750,018	Jan. 19 2976	637	108	697	
Gas-burner. Incandescent	V. A. Rettich	751,558	Feb. 9 1432	325	108	1382	
Gas-burner. Incandescent	A. J. Simpson, Jr.	760,380	May 24 4679	996	110	1094	
Gas-burner. Incandescent	L. T. Alton	763,587	June 28 3899	847	110	2347	
Gas-burner. Incandescent	J. C. F. Jürgens	777,212	Dec. 13 1476	327	113	1769	
Gas-burner. Inverted incandescent	H. Ahrendt	766,632	Aug. 8 1032	220	111	1274	
Gas-burner mantle-holder	A. Gabriel and J. Stubbers	777,199	Dec. 13 1448	330	118	1763	
Gas-burner mantle-holder	J. Stubbers	777,267	Dec. 13 1571	350	118	1791	
Gas-burner mantle. Incandescent	H. Dewey	775,128	Nov. 15 3140	668	113	740	
Gas burner. Oil	J. L. Hague	778,577	Dec. 27 4105	915	113	2380	
Gas-burner. Regenerative	J. W. McKnight	754,595	Mar. 15 2773	604	109	639	
Gas-burner regulator	C. H. Resor	776,258	Nov. 29 5500	1165	113	1310	
Gas-burner. Safety	J. Spiller	770,830	Sept. 27 3250	685	112	782	
Gas-burner. Safety	A. C. Carey	776,046	Nov. 29 5099	1075	113	1217	
Gas-burner safety attachment	I. C. Moulton	767,077	Aug. 29 3441	405	111	1462	
Gas-burner. Self-igniting incandescent	S. S. Papadopoulos	755,448	Mar. 29 4361	969	109	999	
Gas-burner. Self-lighting	F. Stierli	776,437	Nov. 29 5838	1234	113	1387	
Gas-burner valve mechanism	M. W. Lewis	764,364	July 5 934	189	111	206	
Gas-burner valve-operating device	W. C. Currier	774,508	Nov. 8 1868	406	113	433	
Gas-burners. Mantle for incandescent	C. Offenberg	778,577	Dec. 27 4061	915	113	2381	
Gas-burning apparatus	W. H. Bradley	738,294	Apr. 26 4165	899	109	2288	
Gas. Capsule for holding compressed	S. H. Crocker	771,813	Oct. 11 1173	262	112	1224	
Gas-check	F. Geiger	763,876	June 28 4466	972	110	2468	
Gas-check	A. Uhlmann	775,156	Nov. 15 3301	683	113	754	
Gas-check. Adjustable	V. A. Rettich	751,107	Feb. 2 595	137	108	1187	
Gas-cleaning apparatus. Electrical	C. G. Hardie	768,450	Aug. 23 4738	994	111	2151	
Gas-compressor	C. Flohr	767,219	Aug. 9 2338	466	111	1554	
Gas-compressor stuffing-box	G. Braungart, Jr.	759,659	May 10 2184	448	110	511	
Gas-condensers. Conduit system for connecting	E. F. Lloyd	774,440	Nov. 8 1728	371	113	403	
Gas-condensing bodies. Producing	A. Tissier	759,406	May 10 1702	345	110	405	
Gas-conduit construction	C. C. Gadd	762,700	June 14 2159	460	110	1925	
Gas-controller	V. H. Simack	776,362	Nov. 29 5689	1204	113	1333	
Gas danger-signal. Automatic	P. A. Kettering	777,677	Dec. 20 2386	525	113	1981	
Gas-detecting means. Thermostatic	J. E. Baldwin	754,534	Mar. 15 2663	378	109	618	
Gas-detector	G. A. Nelson	754,596	Mar. 15 2770	605	109	639	
Gas. Device for separating flue-dust from	W. A. and J. Riddell	755,244	Mar. 22 3977	882	109	918	
Gas-distributing systems. Steadying device for	G. R. Dbach and E. J. Bartel	765,925	July 26 4053	896	111	922	
Gas-engine	W. R. Kahlenberg	748,615	Jan. 5 108	27	108	25	
Gas-engine	A. G. Ronan	753,008	Feb. 23 4251	947	108	2038	
Gas-engine	G. J. Murdock	753,510	Mar. 1 537	125	109	118	
Gas-engine	J. M. Stadel	753,527	Mar. 1 596	136	109	130	
Gas-engine	D. Glasby	753,876	Mar. 8 1320	297	109	305	
Gas-engine	H. Richter	754,163	Mar. 8 1866	416	109	428	
Gas-engine	P. H. Brennan	754,418	Mar. 15 2410	527	109	561	
Gas-engine	H. C. Bergemann	756,458	Apr. 5 536	112	109	1457	
Gas-engine	F. A. Gardner	759,093	May 3 990	113	110	227	
Gas-engine	W. M. Jewell	760,631	May 24 4068	865	110	966	
Gas-engine	F. A. Seitz	761,613	May 31 5099	1288	110	1403	
Gas-engine	P. Schmitz	767,369	Aug. 9 2496	532	111	1610	
Gas-engine	A. S. Dickison	767,549	Aug. 16 2880	601	111	1716	
Gas-engine	J. W. Swan	771,028	Sept. 27 3635	766	112	868	
Gas-engine	E. C. Richard	771,095	Sept. 27 3765	793	112	896	
Gas-engine	F. E. Hall	773,206	Oct. 25 4184	854	112	1929	
Gas-engine	A. M. Sweder	778,154	Dec. 20 3355	736	113	2183	
Gas-engine. Balanced valveless two-cycle	R. P. Thompson and E. Kœb.	758,948	May 3 730	145	110	171	
Gas-engine. Compound	A. Leingartner	762,421	June 14 1563	343	110	1798	
Gas-fired boiler	A. Sahlin	754,095	Mar. 8 1750	389	109	401	
Gas fireplace-heater	A. B. Schofield	758,111	Apr. 26 3799	825	109	2209	
Gas fitting or stove	H. H. Clark	777,664	Dec. 20 2369	520	113	1978	
Gas-fixture	J. Wunder, Jr.	754,088	Mar. 8 1777	394	109	405	
Gas-fixture	S. Bernheim	755,346	Mar. 22 4176	922	109	951	
Gas-fixture safety-lock	E. H. Shute	756,061	Mar. 29 5563	1228	109	1283	
Gas from petroleum-oil, &c. Apparatus for producing combustible	C. A. Kuenzel	764,601	July 12 1448	295	111	333	
Gas from wells. Obtaining	A. S. Cooper	753,045	Feb. 23 4340	296	108	2050	
Gas-furnace. Regenerative	F. Siemens	760,263	May 17 3354	705	110	789	
Gas-furnace. Regenerative	E. Derval	762,578	June 14 1905	411	110	1870	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Gas. Generating	F. H. Bates	748,687	Jan. 5	238	59	108	57
Gas-generating apparatus	W. H. and C. E. Russell	777,545	Dec. 13	2134	463	113	1919
Gas-generating apparatus	G. J. Atkins	758,818	Mar. 1	1208	272	109	259
Gas-generating apparatus	J. J. Hendler	778,580	Dec. 27	4204	917	113	2381
Gas-generation apparatus	W. A. Salisbury	766,580	Aug. 2	791	166	111	1214
Gas-generator	H. W. Webb	749,006	Jan. 5	903	167	108	211
Gas-generator	H. C. Hanson	757,615	Apr. 19	2894	618	109	1979
Gas-generator	W. F. Mattes	760,638	May 24	4081	807	110	969
Gas-generator	P. Meyer	763,919	June 28	4548	992	110	2485
Gas-generator	J. H. Eustace	767,217	Aug. 9	2250	463	111	1533
Gas-generator	F. G. Hobart	772,040	Oct. 11	1659	371	112	3839
Gas-generator	F. S. Vincent	774,802	Nov. 15	2471	533	113	587
Gas-generator	H. Weigl	775,641	Nov. 22	4291	906	113	1023
Gas-generator	P. Schmidt	776,947	Dec. 6	976	209	113	1642
Gas generator. Acetylene	W. D. Packard	748,781	Jan. 5	416	95, 96	108	93
Gas generator. Acetylene	H. W. Webb	749,007	Jan. 5	905	191	108	211
Gas generator. Acetylene	F. L. Irish	749,294	Jan. 12	1525	324	108	367
Gas generator. Acetylene	O. K. Stuart	749,757	Jan. 19	2474	537	108	589
Gas generator. Acetylene	L. Dietsch	750,618	Jan. 26	4090	886	108	354
Gas generator. Acetylene	A. C. Einstein	752,053	Feb. 16	2387	533	108	1606
Gas generator. Acetylene	A. Davis and J. H. Birch	752,330	Feb. 16	2914	650	108	1726
Gas generator. Acetylene	A. E. Schlieder	752,713	Feb. 23	3670	817	108	1908
Gas generator. Acetylene	A. W. Koehler	752,885	Feb. 23	3670	817	108	1908
Gas generator. Acetylene	C. and J. Tatters	753,447	Mar. 1	426	100	109	92
Gas generator. Acetylene	E. M. Rosenbluth	753,632	Mar. 1	788	176	109	171
Gas generator. Acetylene	J. M. and P. M. Flugstad	753,691	Mar. 1	918	208	109	198
Gas generator. Acetylene	W. A. Robertson and D. P. Heap	754,808	Mar. 15	3187	695	109	1860
Gas generator. Acetylene	M. J. Eerk	755,321	Apr. 5	57	19	109	1355
Gas generator. Acetylene	G. Laporte	757,402	Apr. 12	2381	518	109	785
Gas generator. Acetylene	W. J. Stinson	757,577	Apr. 19	2752	601	109	1962
Gas generator. Acetylene	G. A. Bidwell	757,875	Apr. 19	3332	719	109	2086
Gas generator. Acetylene	F. E. Way	758,159	Apr. 26	3886	844	109	2230
Gas generator. Acetylene	J. McConchey	759,737	May 10	2321	483	110	541
Gas generator. Acetylene	P. C. Avery	760,723	May 24	4269	908	110	1008
Gas generator. Acetylene	L. Montel	761,386	May 31	5607	1194	110	1314
Gas generator. Acetylene	J. M. Green	762,335	June 7	1176	232	110	1695
Gas generator. Acetylene	N. Likins	762,730	June 14	2216	481	110	1936
Gas generator. Acetylene	S. Rushmore	763,118	June 21	2969	641	110	2122
Gas generator. Acetylene	J. C. Waugh	763,231	June 21	3203	690	110	2176
Gas generator. Acetylene	W. W. Cozins	763,595	June 28	3910	850	110	2349
Gas generator. Acetylene	A. V. Sanford	763,538	June 28	3940	870	110	2365
Gas generator. Acetylene	N. Goodyear	764,048	July 5	267	50	111	61
Gas generator. Acetylene	J. Fraiser	764,446	July 5	1100	223	111	244
Gas generator. Acetylene	J. H. Eichler and J. Becker	765,071	July 12	2389	497	111	535
Gas generator. Acetylene	P. C. Avery	766,983	Aug. 9	1759	498	111	1452
Gas generator. Acetylene	D. H. Treichler	768,830	Aug. 30	5538	1165	111	2342
Gas generator. Acetylene	F. C. Loring	773,022	Oct. 25	3632	784	112	1800
Gas generator. Acetylene	J. W. Featherstone	773,860	Nov. 1	449	188	113	150
Gas generator. Acetylene	E. R. Cook	775,700	Nov. 22	4407	930	113	1048
Gas generator. Acetylene	L. P. Powell	776,756	Dec. 6	586	127	113	1555
Gas generator. Acetylene	B. A. Warlick and A. S. Bucher	777,356	Dec. 13	1755	390	113	1831
Gas generator. Acetylene	T. E. Lewis	778,053	Dec. 20	3163	696	113	2140
Gas generator and burner. Hydrocarbon	C. H. Montgomerie y Agramonte	762,183	June 7	1080	228	110	1673
Gas generator and burner. Oil	R. Thayer	750,558	Jan. 26	3992	863	108	932
Gas generator and burner. Oil	J. P. Tirrell	757,980	Apr. 19	3521	763	109	2130
Gas-generator damper-valves. Mechanism for operating	J. Zander	770,623	Sept. 20	2822	599	112	670
Gas-generator. Hydrogen	W. Kirkwood	767,280	Aug. 9	2353	493	111	1580
Gas-generator. Oil	F. H. Bates	763,039	June 21	2818	611	110	2090
Gas-generator pressure-regulator. Acetylene	E. F. Deters	764,716	July 12	1690	346	111	385
Gas generator. Water	D. McDonald	763,313	June 21	3346	725	110	2206
Gas generator. Water	A. G. Glasgow	778,778	Dec. 27	4562	998	113	2462
Gas generators. Automatic feed mechanism for acetylene	E. L. Ihle	762,533	June 14	1815	391	110	1853
Gas-heater	H. A. Schmidt	752,805	Feb. 23	3831	859	108	1944
Gas-heater	F. G. Freese	756,108	Mar. 29	5652	1247	109	1302
Gas-heater	J. J. Lawler	762,067	June 7	877	180	110	1627
Gas-heater	L. L. Rowe	764,010	July 5	184	32	111	44
Gas-heater	G. J. Karle and R. M. Hatch	766,446	Aug. 2	597	136	111	1170
Gas-heater	T. Block	775,025	Nov. 15	3361	625	113	694
Gas-holder	J. H. Coke	757,887	Apr. 19	3346	724	109	2092
Gas-holder	F. Fitz Simmons	767,475	Aug. 16	2716	570	111	1678
Gas-holder stiffening-leg	H. A. Carpenter	766,755	Aug. 2	1257	368	111	1320
Gas-hose coupling	H. Ackermann	774,633	Nov. 8	4592	456	113	480
Gas-igniter. Automatic	F. W. D'Arsl	773,410	Oct. 25	4596	971	112	2018
Gas-igniter. Distance-operated	H. B. McNulty	770,267	Sept. 20	2138	449	112	514
Gas-igniting and extinguishing apparatus. Automatic	G. Weinmann	773,696	Nov. 1	311	69	113	74
Gas-igniting appliance	E. H. Stow	757,242	Apr. 12	2045	446	109	1796
Gas-igniting and cutting-off device	D. and W. M. Taylor	760,937	May 24	4692	999	110	1097
Gas-jet igniting and cutting-off device	F. Rossbach-Rousset	767,663	Aug. 16	3092	646	111	1732
Gas-jet igniting and cutting-off device	F. Rossbach-Rousset	767,664	Aug. 16	3092	646	111	1733

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Gas light extinguisher. Time.....	P. E. Newsom	760,644	May 24	4090	870	110	971
Gas-light-flashing device.....	C. Ridderhof and G. M. Johnston	773,397	Nov. 1	729	155	113	167
Gas-light. Incandescent.....	V. H. Slinack	776,433	Nov. 29	5826	1233	113	1384
Gas-light regulator.....	S. W. Hyatt	760,540	Jan. 26	3962	887	108	627
Gas-lighter. Electrochemical.....	I. Rothstein	760,567	May 24	3937	896	110	1206
Gas-lighter. Portable electric.....	E. R. Gill	761,372	May 31	5587	1190	110	1310
Gas-lighter. Time.....	B. P. O'Neill	762,748	June 14	2346	488 489	110	1942
Gas-lighting apparatus.....	D. J. Clark	774,562	Nov. 8	1968	427	113	454
Gas-lighting apparatus. Time.....	J. Conklin	751,381	Feb. 2	1124	255	108	1227
Gas-lighting. Atmospheric burner for incandescent.....	J. W. Bray	755,213	Mar. 22	3920	867	109	906
Gas-lighting attachment.....	P. Barlot	752,021	Feb. 16	2385	522	108	1505
Gas-lighting, &c. Automatic short-circuit alarm for electrical.....	F. M. Barrell	761,134	May 31	5112	1085	110	1206
Gas-lighting mechanism. Time.....	F. W. and E. Thielenhaus and C. Vollmann.	753,330	Mar. 1	309	47	109	48
Gas-lighting mechanism. Time.....	N. H. Shaw	755,060	Mar. 22	3648	801	109	849
Gas-lighting mechanism. Time.....	G. P. Ney and J. Rau	761,699	June 7	154	30	110	1472
Gas-lighting or extinguishing apparatus. Contact device for.....	F. Testor	775,154	Nov. 29	5935	1120	113	1262
Gas-line cut-off.....	C. Bachmann	761,190	May 31	5212	1107	110	1228
Gas-machine.....	G. C. Diehl	762,394	June 14	1499	327	110	1784
Gas-machine.....	C. S. Rogers	766,527	Aug. 2	786	165	111	1213
Gas-machine.....	J. T. Wood	767,357	Aug. 16	3462	732	111	1843
Gas-machine.....	G. C. Diehl	773,200	Oct. 25	4170	880 881	112	1926
Gas-machine. Acetylene.....	G. Anderegg and F. A. Sell	762,110	June 7	951	196	110	1644
Gas-machine. Acetylene.....	R. H. Walters	766,475	Aug. 2	684	144	111	1189
Gas-machine. Acetylene.....	E. F. and E. P. Clough	774,466	Nov. 8	1780	384	113	413
Gas-machine blower.....	C. E. and J. C. Sayre	752,000	Feb. 9	2299	514	108	1568
Gas-machine carbide-feed.....	J. T. and T. C. Hays	758,249	Apr. 26	4066	880	109	2268
Gas. Making.....	P. Naeff	753,295	Mar. 1	149	35	109	36
Gas. Making.....	D. Turk	764,320	July 5	823	191	111	182
Gas. Making.....	V. G. Apple	777,829	Dec. 20	2692	592 593	113	2047
Gas-making apparatus.....	P. Naeff	753,296	Mar. 1	152	35	109	36
Gas-making apparatus.....	C. M. Baker	763,452	June 28	3671	791	110	2209
Gas-making machine. Gasoline.....	C. A. Anderson and E. A. Erickson	760,296	May 17	3412	720	110	802
Gas. Manufacture of.....	W. A. Koenen	749,302	Jan. 12	1540	327	108	370
Gas. Manufacture of carbonic-acid.....	W. J. Knox	768,280	Aug. 23	4291	903	111	2046
Gas. Manufacturing.....	P. Naeff	749,445	Jan. 19	2833	605	108	667
Gas. Manufacturing.....	J. H. Selt	766,554	Aug. 2	842	176	111	1226
Gas. Manufacturing.....	A. Bougault	770,554	Sept. 20	2702	572	112	648
Gas-manufacturing apparatus.....	R. Dempster	772,224	Oct. 11	2688	447 448	112	1412
Gas-manufacturing apparatus.....	C. R. Ingham	774,480	Nov. 8	1705	365	113	399
Gas. Manufacturing coal.....	T. Settle and W. A. Padfield	762,495	June 14	1725	371	110	1832
Gas-meter.....	L. Millet	752,350	Feb. 16	2948	637	108	1734
Gas-meter.....	R. J. Hoffman	756,365	Apr. 5	358	73	109	1420
Gas-meter.....	X. Wirtmer	765,220	July 19	2649	551	111	610
Gas-meter.....	L. Millet	770,302	Sept. 20	2237	467	112	540
Gas-meter. Coin-freed.....	H. Aron	755,206	Mar. 22	3969	864	109	904
Gas-meter diaphragm.....	A. Henning	770,369	Sept. 20	2354	496	112	567
Gas-meter. Dry.....	S. Kozminski	757,427	Apr. 19	2858	623	109	1985
Gas-meter. Prepayment.....	E. A. Hewitt	760,721	May 24	4264	907	110	1067
Gas-meter protective valve-coupling.....	F. L. Finnegan	775,648	Nov. 22	4808	960	113	1027
Gas-meter register mechanism.....	J. C. Goodale, Jr.	761,163	May 31	5173	1099	110	1220
Gas-meter variable-pressure-compensating mechanism.....	F. H. Crawford	774,910	Nov. 15	2699	578	113	687
Gas-meters or other purposes. Coin-freed mechanism for.....	W. Cowan	771,896	Oct. 11	1333	306 307	112	1262
Gas-mixer.....	A. A. Gohn	753,975	Mar. 8	1523	340	109	351
Gas-mixer.....	A. M. Gummer	767,910	Apr. 19	3404	737	109	2105
Gas-motor engine.....	A. Rollason	757,415	Apr. 12	2406	524	109	1870
Gas or gasoline engine.....	G. W. Fulkerson	753,483	Mar. 1	485	113	109	106
Gas or liquid supply pipes. Cut-off apparatus for gas or other fluid meters. Coin-freed mechanism for.....	F. W. A. Wiesebroek	760,595	May 24	3982	114 117	110	947
Gas or solid fuel furnace.....	B. R. Benle and A. E. Bagnall	758,658	Mar. 1	844	189	109	184
Gas or vapor burner.....	R. A. May	752,461	Feb. 16	8162	703	108	1779
Gas or vapor electric apparatus.....	A. H. Herz	763,740	June 21	3016	650	110	2138
Gas or vapor electric apparatus. Regulator for.....	P. C. Arzuff	770,233	Sept. 13	2066	434	112	480
Gas or vapor electric device.....	J. H. Thomas	749,793	Jan. 19	2543	541	108	604
Gas-pipe cut-off valve.....	W. T. Croden	770,197	Sept. 13	2307	424	112	467
Gas-pipes. Automatic cut-off valve for.....	E. E. Eaton and R. A. Fay	762,800	June 21	2544	551	110	2029
Gas-pressure regulator.....	A. E. Sartain	761,183	May 31	5291	1105	110	1226
Gas-pressure regulator.....	A. C. Gillespie	764,186	July 5	550	108	111	122
Gas-pressure safety device.....	J. C. Holmoe	776,384	Nov. 29	6791	1212	113	1362
Gas-producer.....	W. J. Crossley	778,784	Dec. 27	4570	1000	113	2463
Gas-producer.....	J. M. Wight and H. Hyatt	753,240	Mar. 1	229	51	109	51
Gas-producer.....	J. G. Sanderson	755,792	Mar. 29	4847	1077 1078	109	1124
Gas-producer.....	J. Reuleaux	758,475	Apr. 26	4515	970	109	2368
Gas-producer.....	L. Wilson	762,568	June 14	1833	407	110	1868
Gas-producer.....	P. J. Buckley	763,460	June 28	3678	738	110	2301
Gas-producer.....	J. R. George	766,280	Aug. 9	1563	328	111	1407
Gas-producer.....	W. J. Crossley and T. Rigby	768,655	Aug. 30	6181	1089	111	2264
Gas-producer.....	W. O. Amsler	770,624	Sept. 20	2824	640	112	670
Gas-producer.....	J. A. Herrick	773,143	Oct. 25	4030	854	112	1895

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Gas-producer	H. L. Dixon	775,265	Nov. 15	3470	732	113	823
Gas-producer	S. T. and C. H. Wellman and J. W. Seaver.	778,814	Dec. 27	4268	731	113	2396
Gas-producer charger	E. H. Carroll	774,561	Nov. 8	1966	427	113	453
Gas-producer feed device	V. E. Edwards	756,945	Apr. 12	1453	322	109	1668
Gas-producer hopper-feeding device	W. J. Knox	761,981	May 31	5010	1063	110	1184
Gas-producer poker	W. B. Hughes	778,827	Dec. 27	4669	1021	113	2486
Gas-producer superheater	A. B. Duff	764,437	July 5	1077	220	111	240
Gas-producer, Water-seal	W. H. Holcroft	759,179	May 3	1168	237	110	265
Gas-producers for internal-combustion motors. Starting	H. Neumann	766,058	July 26	4907	922	111	976
Gas-producers, furnaces, &c. Apparatus for the continuous feeding and distributing of material in Gas-producers, furnaces, &c. Feeding device for	C. W. Bildt	770,491	Sept. 30	2587	548	112	618
Gas. Producing	S. Forter	767,399	Aug. 16	2568	540	111	1644
Gas purification. Apparatus for	P. Naef	753,294	Mar. 1	146	35	109	36
Gas-purifier	F. Jas.	754,773	Mar. 15	3111	679	109	715
Gas-purifier	P. Winand	760,674	May 24	4193	884	110	985
Gas-purifier	R. B. Brown	771,414	Oct. 4	400	89	112	1042
Gas-purifier	J. B. Harris	772,037	Oct. 11	1656	370	112	1328
Gas-purifier center valve	W. S. Pickering and H. Grove	761,992	June 7	742	152	110	1601
Gas-purifier center valve	W. S. Pickering and H. Grove	761,993	June 7	744	152	110	1602
Gas-purifier. Centrifugal	A. Steinbart	775,462	Nov. 22	3902	924	113	998
Gas-purifier. Centrifugal	F. V. Matton	775,758	Nov. 22	4512	956	113	1071
Gas-purifier cover	P. J. Nolan	760,238	May 17	3313	696	110	780
Gas-purifier safety dumping-door	E. J. Lloyd	750,470	Jan. 26	3802	826	108	897
Gas-purifier valve connection	J. S. De Hart, Jr.	774,911	Nov. 15	2701	579	113	637
Gas. Purifying	W. O. Felt	769,860	Sept. 13	1387	265	112	332
Gas-purifying apparatus	W. Everitt and T. Redman	768,792	Aug. 30	5447	1147	111	2323
Gas-purifying apparatus	J. E. Prégarden	769,713	Sept. 13	1105	237	112	268
Gas-purifying apparatus	P. Plantinga	771,390	Oct. 4	333	74	112	1031
Gas. Recording-calorimeter for	F. N. Speller	774,341	Nov. 8	1359	334	113	367
Gas-regulator	G. T. Gamble	763,054	June 21	2858	618	110	2039
Gas-regulator. Automatic	F. W. Priestley, J. Kephart, and F. M. Merchant.	753,110	Feb. 23	4450	989	108	3093
Gas-regulator. Automatic	J. L. Murphy	773,026	Oct. 25	3654	788	112	1805
Gas reheating-furnace. Regenerative	F. Siemens	767,840	Aug. 16	3429	724	111	1836
Gas-retort	C. H. Montgomerie y Agramonte	756,518	Apr. 5	643	138	109	1477
Gas-retort charger	J. Saltar, Jr.	756,059	Mar. 29	5546	1224	109	1280
Gas-retort charger and discharger	W. W. Fiddes	756,225	Apr. 5	67	15	109	1357
Gas-retort-charging apparatus	G. A. Bronder	765,809	July 26	3848	819	111	876
Gas-retort closure	S. B. Russell	758,935	May 3	709	142	110	166
Gas-retort-feeding apparatus	A. Feiffer	756,696	Apr. 5	958	143	109	1548
Gas-retort setting. Recuperative	E. H. Earnshaw and W. H. Gartley	767,333	Aug. 9	2427	509	111	1596
Gas-scrubber	A. Steinbart	774,207	Nov. 8	1314	279	113	314
Gas-separator	O. Gerlach	757,034	Apr. 12	1658	359	109	1711
Gas-service pipes. Antifluator for	J. E. Broderick	761,269	July 5	719	146	111	159
Gas-tank closure	E. F. Lloyd	774,439	Nov. 8	1736	371	113	403
Gas through purifiers, &c. Valve for controlling the flow of	T. Redman	775,332	Dec. 27	3707	809	113	2275
Gas-treating apparatus. Fermentation	J. F. Wittmann	766,481	Aug. 2	695	146	111	1192
Gas-valve. Automatic	F. Wilke	755,265	Mar. 22	4019	891	109	927
Gas-valve. Combination duplex	G. Wilson	767,464	Aug. 16	2036	566	111	1673
Gas-valve lock	R. L. Boulter	752,818	Feb. 23	3854	866	108	1951
Gas-valve. Safety	J. L. Salemi	768,485	Aug. 23	4808	1007	111	2164
Gas-washer	O. N. Guldin	764,049	July 5	269	51	111	62
Gas-washer	F. Burgenmeister	772,779	Oct. 18	3164	688	112	1679
Gas-washing mechanism	A. M. Hunt and W. S. Dole	768,369	Aug. 23	4555	937	111	2104
Gases. Apparatus for electrically treating	K. Birkeland	775,123	Nov. 15	3132	665	113	739
Gases. Apparatus for the filtration of	G. C. Stone	758,222	Apr. 26	4003	869	109	2254
Gases. Apparatus for the treatment of	H. Pauling	758,775	May 3	393	79	113	177
Gases. Apparatus for the treatment of	E. E. Werner	777,987	Dec. 27	3937	670	113	2115
Gases. Apparatus for the treatment of	E. E. Werner	777,989	Dec. 20	3049	671	113	2116
Gases. Apparatus for the treatment of	E. E. Werner	777,990	Dec. 20	3051	671	113	2116
Gases. Apparatus for vaporizing and regulating liquefied	G. B. Fraley	774,169	Nov. 8	1243	265	113	298
Gases. Electrically treating	K. Birkeland	772,862	Oct. 18	3309	722	112	1712
Gases from air. Generating	E. E. Werner	777,988	Dec. 20	3048	671	113	2116
Gases in liquids to keep alive aquatic animals and water-plants. Dissolving	F. Kalteneeger and N. L. von Liburnau.	754,317	Mar. 8	2156	477	109	488
Gases. Means for controlling the flow of	P. Plantinga	752,299	Feb. 16	2853	633	108	1712
Gases non-explosive. Rendering storage-battery	T. A. Edison	767,354	Aug. 16	2987	604	111	1718
Gases of blast-furnaces, generators, &c. Apparatus for cleaning the	E. Kratochvil	777,112	Dec. 13	1296	286	113	1731
Gases. Separating mechanically-entrained globules from	T. A. Edison	764,153	July 5	542	107	111	120
Gases. Utilizing waste	A. Schütt	768,404	Aug. 23	4655	975	111	2133
Gaselier	R. T. Harris	768,046	Aug. 23	3885	815	111	1854
Gaseous-fuel burner	O. Falkenwalde	767,395	Apr. 12	2398	515	109	1862
Gaseous material. Means for separating non-gaseous from	A. G. McKee	774,851	Nov. 15	2579	554	113	609
Gaseous mediums from air. Apparatus for generating	J. N. Alsop	758,884	May 3	630	123	110	147
Gaseous mediums from air. Generating	J. N. Alsop	758,885	May 3	616	123	110	146
Gasolene generator and burner	A. F. Gillet	762,050	June 7	843	173	110	1619
Gasolene-light-generating machine	T. A. Davis	775,746	Nov. 22	4490	932	113	1066

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Gasolene-motor	J. L. Fitz Gerald	756,011	Mar. 29	5468	1206	109	1263
Gasolene-tank safety appliance	J. Stubbbs	766,778	Aug. 2	1321	279	111	1385
Gasometer	N. Goodyear	759,866	May 10	1624	328	110	388
Gasket	O. Reinvaldt	767,768	Aug. 16	3359	685	111	1800
Gate.							
See Automatic gate.	Irrigating-ditch head-gate.						
Automatic or self-acting gate.	Knockdown gate.						
Car-gate.	Locomotive-tender gate.						
Driveway-gate.	Mine-gate.						
Elevator-gate.	Nursery-gate.						
End-gate.	Railway-gate.						
Farm-gate.	Railway-crossing gate.						
Fence-gate.	Railway or farm gate.						
Flood-gate.	Road-gate.						
Folding gate.	Sliding gate.						
Furnace-gate.	Shute-gate.						
Gravity-gate.	Swinging gate.						
Head-gate.	Water-gate.						
Gate.	J. Meyer	748,769	Jan. 5	399	91	108	89
Gate.	O. L. Compton	749,530	Jan. 12	3024	480	108	474
Gate.	I. L. Landis	752,233	Feb. 16	2717	602	108	1683
Gate.	A. A. Bradbury	753,116	Feb. 23	4458	991	108	2085
Gate.	S. and H. Kalisher	753,139	Feb. 23	4499	1001	108	2093
Gate.	H. H. Bell	754,535	Mar. 15	5655	579	109	618
Gate.	J. F. Burkhardt	755,271	Mar. 22	4028	109	929	
Gate.	M. M. Dungan	755,858	Mar. 29	5172	1144	109	1198
Gate.	C. T. Harris	756,231	Apr. 5	77	17	109	1359
Gate.	P. Oppenheim	758,559	Apr. 26	4685	1010	109	2408
Gate.	J. Scheperle	759,084	May 3	809	177	110	300
Gate.	J. C. Dysart	760,782	May 24	4390	933	110	1034
Gate.	E. W. Easley	761,064	May 31	4080	1056	110	1178
Gate.	N. D. Shivel	761,922	June 7	622	125	110	1577
Gate.	T. A. Hill	762,057	June 7	854	176	110	1622
Gate.	G. W. Crosby	762,148	June 7	1021	212	110	1659
Gate.	M. Kolp	762,324	June 14	1376	296	110	1758
Gate.	J. Combs	762,883	June 21	2533	549	110	2027
Gate.	Y. Fry	765,072	July 12	2391	478	111	535
Gate.	W. H. Griffith	768,449	Aug. 23	4737	993	111	2151
Gate.	G. E. Barnhart	769,784	Sept. 13	1226	264	112	295
Gate.	W. I. Cox	769,888	Sept. 13	1425	305	112	339
Gate.	J. Finney	769,997	Sept. 13	1658	349	112	390
Gate.	G. R. Penn	770,650	Sept. 20	2877	612	112	682
Gate.	W. P. and W. P. Elliott, Jr.	770,895	Sept. 27	3371	711	112	808
Gate.	G. F. Seiser	771,579	Oct. 4	713	158	112	1110
Gate.	J. W. Barnhill	772,397	Oct. 18	2403	577	112	1516
Gate.	R. W. Allsup	772,996	Oct. 25	3383	772	112	1730
Gate.	W. H. Fuqua	773,385	Oct. 25	4534	959	112	2006
Gate.	M. H. Sterling	773,434	Oct. 25	4651	982	112	2030
Gate.	C. E. Sargent	773,527	Oct. 25	4871	1027	112	2079
Gate.	N. Early, Jr.	774,052	Nov. 1	1094	222	113	233
Gate.	J. Granger	774,517	Nov. 8	1883	408	113	437
Gate.	W. W. Sanders	774,787	Nov. 15	2443	527	113	581
Gate.	H. I. Ingersoll	774,881	Nov. 15	2638	567	113	623
Gate.	G. W. Thompson	774,898	Nov. 15	2676	574	113	633
Gate.	A. E. Airhart	774,963	Nov. 15	2792	597	113	659
Gate.	G. F. Moors	775,306	Nov. 22	3557	750	113	860
Gate.	J. Dunford	776,388	Nov. 29	5739	1214	113	1364
Gate.	W. D. Harmon	776,590	Dec. 6	342	54	113	1482
Gate.	A. D. Acers	777,280	Dec. 13	1518	337	113	1779
Gate.	U. G. Coon	777,333	Dec. 13	1704	376	113	1821
Gate.	F. Davis	777,405	Dec. 13	1844	407	113	1851
Gate.	E. J. Ingwersen	778,197	Dec. 20	3435	735	113	2197
Gate.	J. B. Miesse and A. J. Landis	778,324	Dec. 27	3859	505	113	2271
Gate attachment.	A. Skellenger	783,172	Feb. 23	4550	1016	108	2108
Gate automatic attachment.	J. H. Jones	748,614	Jan. 5	107	27	108	25
Gate-closer	E. B. Rhodes	763,020	June 21	2781	603	110	2082
Gate construction	T. K. Young	777,170	Dec. 13	1398	309	113	1753
Gate, door, &c., joint	E. Stevens	759,929	May 17	2700	567	110	641
Gate-fastener	P. Mast	749,444	Jan. 12	1847	384	108	425
Gate-fastener	G. S. Francis and B. B. Ryan	752,217	Feb. 16	2658	595	108	1676
Gate-fastener	C. H. Spencer	754,357	Mar. 8	2216	495	109	500
Gate-fastener	F. Hopp	774,428	Nov. 8	1703	364	113	395
Gate fastening wire	G. E. Klipping	762,481	June 14	1705	366	110	1828
Gate mechanism	E. A. Muni	771,918	Oct. 11	1938	917	112	1271
Gate-opener	G. C. Laney	754,876	Mar. 15	3318	723	109	759
Gate opening or closing apparatus. Automatic	W. H. Houdlette	760,792	May 24	4420	940	110	1039
Gate opening or closing device	H. C. Morgan	762,835	June 14	2430	523	110	1983
Gate-operating device	J. N. Lyle	768,612	Aug. 30	5095	1070	111	2246
Gate-operating mechanism	J. J. Gard	771,622	Oct. 4	796	177	112	1129
Gate-operating mechanism	J. K. Wheeler	772,301	Oct. 11	2196	480	112	1449
Gates. Fastener and tension device for frameless.	P. Mast	777,800	Dec. 20	2634	580	113	2088
Gear and clutch mechanism. Reversing.	H. J. Mohlenhoff	758,768	May 8	363	76	109	84
Gear. Belt driving.	A. Bollée, Père	750,576	Jan. 26	4019	869	109	939
Gear. Catch and escapement.	J. Rettie	774,198	Nov. 8	1293	275	113	309
Gear. Chain driving.	S. C. Davidson	771,233	Oct. 4	24	5	112	966
Gear. Change-speed	T. Gries	759,174	May 8	1158	235	110	263

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dré	Vol.	Page.
Gear. Change-speed	W. L. Marr	765,498	July 19	3216	1672	111	731
Gear. Change-speed	A. Soames and W. Langdon Davies	773,999	Nov. 1	934	194	113	212
Gear. Change-speed	A. Soames and W. Langdon Davies	775,503	Nov. 22	3974	839	113	953
Gear. Changeable-speed	R. C. Killam	765,141	July 12	2504	523	111	560
Gear. Changeable-speed	H. Dreses.	773,005	Oct. 25	3598	778	112	1793
Gear cutting and milling machine	F. Hardinge	766,245	Aug. 2	205	40	111	1086
					42		
Gear-cutting machine	H. Bilgram	749,006	Jan. 12	2151	449	108	504
Gear-cutting machine	J. Parker	750,485	Jan. 26	3833	832	108	903
Gear-cutting machine	W. A. Twining	737,696	Apr. 19	2985	649	109	2013
Gear. Differential or double driving	H. Austin	762,674	June 14	2086	453	110	1911
Gear. Drive	A. Mills	775,476	Nov. 22	3929	830	113	944
Gear. Driving	R. Hundhausen	752,778	Feb. 23	3775	1843	108	1931
Gear. Driving	C. F. Jaehn	761,494	May 31	5789	1238	110	1357
Gear. Driving	C. F. Jaehn	761,495	May 31	5791	1238	110	1357
Gear for motor-driven lathes or other tools. Variable-speed	I. H. Johnson, Jr	759,111	May 3	1037	1210	110	235
Gear for reciprocating prime movers. Equalizing	M. Neumayer	778,700	Dec. 27	4414	966	113	2430
Gear. Friction	S. C. Spangler	751,878	Feb. 9	2038	461	108	1512
Gear. Friction	D. L. Lindquist	758,323	Apr. 26	4234	910	109	2306
Gear. Friction	E. Ericson	771,541	Oct. 4	646	143	112	1096
Gear. Frictional reversing	A. Adamson	758,494	Apr. 26	4559	980	109	2379
Gear-jig	M. L. King	777,639	Dec. 13	2319	509	113	1951
Gear-lock	C. Percy, Jr	753,912	Mar. 8	1395	315	109	321
Gear-locking device	A. S. Cowan	766,493	Aug. 2	719	151	111	1197
Gear mechanism for machine-tools. Change	W. T. S. Johnson	774,883	Nov. 15	2645	568	113	625
Gear mechanism for machine-tools. Change	W. T. S. Johnson	775,471	Nov. 22	3916	827	113	942
Gear. Mechanism for providing rotation and reciprocation from a single driving	H. A. Houseman	762,719	June 14	2198	477	110	1932
					478		
Gear mechanism. Reversing	W. J. Wright	772,320	Oct. 11	2236	490	112	1458
Gear-molding machine	F. Kepp	754,777	Mar. 15	3118	680	109	717
Gear. Power-transmission	W. O. Brown	757,261	Apr. 12	2075	454	109	1802
					454		
Gear. Power-transmitting	C. Sintz	752,867	Feb. 23	3954	886	108	1971
Gear. Reversible friction drive	A. MacGregor and J. V. B. Kenny	773,951	Nov. 1	840	176	113	193
Gear. Reversing	A. Sonander	751,022	Feb. 2	443	104	108	1155
Gear. Reversing	L. B. Smyser	751,211	Feb. 2	808	186	108	1229
Gear. Reversing	E. A. Maples	751,665	Feb. 9	1624	368	108	1422
Gear. Reversing	J. C. Entriaken	751,787	Feb. 9	1854	422	108	1470
Gear. Reversing	E. G. Smith	757,063	Apr. 12	1696	368	109	1719
Gear. Reversing	F. C. Hirsche	778,038	Dec. 20	3133	689	113	2134
Gear. Sectional	T. F. Beckett	762,225	June 7	1159	248	110	1692
Gear. Speed	W. J. Robinson	773,227	Oct. 25	4221	893	112	1938
Gear. Speed-changing	J. T. H. Paul	776,200	Nov. 29	5379	1139	113	1282
Gear. Speed-changing and reversing	J. A. Dischinger	765,335	July 19	2875	601	111	658
Gear. Speed-changing and transmission	I. H. Pleukharp	767,238	Aug. 9	2268	473	111	1562
Gear. Speed-reducing	E. Nelson	765,785	July 26	3810	511	111	868
					511		
Gear-teeth. Instrument for plotting	C. F. Moon	776,340	Nov. 29	5644	1196	113	1341
Gear-teeth. Shaping	H. Bilgram	749,683	Jan. 12	2303	487	108	534
Gear. Transmission	A. P. Brush	752,953	Feb. 23	4161	928	108	2017
Gear. Transmission	P. H. Brennan	754,638	Mar. 15	2856	624	109	656
Gear. Transmission	L. A. Fryer	765,349	Apr. 5	316	65	109	1411
Gear. Transmission	F. G. Gies	763,477	June 28	3704	799	110	2306
Gear. Transmission	O. O. Turru	764,573	July 12	1390	283	111	320
Gear. Transmission	C. H. Day	772,374	Oct. 11	2145	469	112	1437
Gear. Transmission	A. J. Farnsworth	772,348	Oct. 18	2309	506	112	1495
Gear. Transmission	A. E. Osborn	773,414	Oct. 25	4605	973	112	2020
Gear. Two-speed	S. M. Wixcel	764,908	July 12	2083	431	111	472
Gear. Two-speed reversing	F. A. Ferguson	763,548	June 28	3833	829	110	2332
Gear. Variable-speed	T. W. Barber	749,151	Jan. 12	1216	261	108	298
					262		
Gear. Variable-speed	W. T. Leighton	760,460	May 24	3725	780	110	889
Gear. Variable-speed	A. C. F. Dann	765,564	July 19	3330	699	111	755
Gear. Variable-speed	C. Monin	777,740	Dec. 20	2499	532	113	2007
Gear. Variable-speed and reversing	H. C. Sheppard	748,799	Jan. 5	455	103	108	102
Gear. Variable-speed and reversing	H. R. Bevier	754,738	Mar. 15	3057	607	109	703
Gear. Variable-speed and reversing	J. C. Busche	767,866	Aug. 16	3479	735	111	1846
Gear. Variable-speed transmission	C. Monin	771,261	Oct. 4	80	18	112	979
					18		
Gear-wheel	F. A. Richter	748,653	Jan. 5	195	46	108	43
Gear-wheel	V. W. Mason, Jr	763,993	July 5	138	23	111	86
Gear-wheel	N. C. Bassett	766,316	Aug. 2	362	76	111	1191
Gear-wheel	M. McIntyre	767,825	Aug. 16	3404	718	111	1830
Gear-wheel. Spring-actuated	A. Hilgram	769,544	Sept. 6	793	171	112	179
Gear-wheel. Yieldable	J. A. Brown	761,943	June 7	654	132	110	1553
Gear. Yielding connection for driving	A. Levedahl	761,974	June 7	709	145	110	1594
Gearing	H. J. Mohlenhoff	751,535	Feb. 9	1877	314	108	1370

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Gearing	G. Westinghouse	751,588	Feb. 9	1490	388	108	1394
Gearing	M. J. Lawler	755,505	Mar. 22	4452	989	109	1019
Gearing	J. Dietz	755,634	Mar. 29	4708	1047	109	1090
Gearing	W. Thornton	756,737	Apr. 5	1045	232	109	1566
Gearing	J. C. Potter, J. Johnston, and E. B. Selley	761,905	June 7	588	118	110	1570
Gearing	H. F. Maxim	764,896	July 12	2048	423	111	464
Gearing	H. W. Loudon, Sr.	765,848	July 26	3920	836	111	892
Gearing	A. Plagman	768,342	Aug. 23	4499	946	111	2092
Gearing	J. W. Miller	768,672	Aug. 30	5225	1008	111	2372
Gearing	G. Langen	771,373	Oct. 4	305	68	112	1026
Gearing	W. H. Hultgren	774,252	Nov. 8	1394	298	113	331
Gearing and controlling means therefor. Variable-speed-transmission	T. B. Rennell	768,148	Aug. 23	4128	868	111	2011
Gearing. Chain and sprocket.	J. M. Dodge	765,565	July 19	3333	699	111	756
Gearing. Change-speed	A. B. Landis	771,077	Sept. 27	3733	787	112	888
Gearing. Change-speed	L. P. Mooers. (Reissue)	12,284	Nov. 15	8528	743	113	835
Gearing. Change-speed	W. F. Rice	778,548	Dec. 27	4134	900	113	2367
Gearing. Changeable-speed	E. Robton	762,087	June 7	908	188	110	1634
Gearing. Changeable-speed	G. M. Beard	763,244	June 21	3224	695	110	2180
Gearing. Differential	H. T. Craven	750,172	Jan. 19	3256	702	108	755
Gearing. Differential	H. E. Bayley	754,914	Mar. 15	3382	739	109	773
Gearing. Differential-speed.	H. W. Gardner	766,438	Aug. 2	583	124	111	1168
Gearing. Drive	A. Anderson	773,362	Oct. 25	4491	951	112	1996
Gearing. Electromagnetic	E. Thordon	750,009	Jan. 19	2950	631	108	692
Gearing. Electromagnetic	E. M. Bentley	758,293	Apr. 26	4162	898	109	2287
Gearing. Feed.	J. B. Hart	762,713	June 14	2186	475	110	1930
Gearing for machine-tools. Feed.	F. Holz	774,843	Nov. 15	2565	552	113	606
Gearing for the transmission of power. Wheel.	G. S. Eaker	763,654	June 28	4023	876	110	2372
Gearing. Friction	O. R. P. Berglund and B. O. W. Hesselman	757,014	Apr. 12	1602	349	109	1698
Gearing. Friction	J. W. Lambert	761,884	May 31	5605	1193	110	1314
Gearing. Interchangeably-locked	W. H. and R. Thompson	752,120	Feb. 16	2326	562	108	1637
Gearing. Multiple-speed	J. J. Hagman	749,186	Jan. 12	1293	278	108	316
Gearing. Radial-cam	H. J. Schmitt	755,051	Mar. 22	3632	797	109	845
Gearing. Relief mechanism for machinery	C. G. Tideman	762,267	Feb. 16	2792	619	108	1700
Gearing. Sprocket	J. M. Dodge	762,156	June 7	1035	216	110	1663
Gearing suspension device. Differential.	A. E. Brillie	771,456	Oct. 4	465	105	112	1057
Gearing. Transmission	B. J. Carter	761,146	May 31	5134	1090	110	1211
Gearing. Variable-speed	A. B. Shultz, H. J. Hass, and C. Thorden	754,905	Mar. 15	3364	736	109	769
Gearing. Variable-speed	W. B. McLachlan	765,630	July 19	3448	727	111	781
Gearing. Variable-speed	J. S. Pletts	772,531	Oct. 18	2668	586	112	1573
Gearing. Variable-speed transmission	T. C. Churchill	753,856	Mar. 8	1288	290	109	236
Gearing. Variable-speed transmission	H. L. F. Trebert	764,644	July 12	1544	315	111	354
Gearing. Variable-speed transmission	T. B. Rennell	770,820	Sept. 27	3227	680	112	778
Gearing. Variable transmission	B. M. Coffey	759,157	May 3	1119	227	110	254
Gearing. Worm	J. W. Moakler	767,588	Aug. 16	2247	617	111	1731
Gelatinous product and producing same. Insoluble.	F. V. Dunham	748,708	Jan. 5	295	68	108	66
Gem-setting	H. A. Fairbrother, Jr.	775,030	Nov. 15	2039	626	113	695
Generator.							
See Acetylene-generator.	Motor-generator.						
Direct-current generator.	Oil-generator.						
Electric generator.	Rotary generator.						
Electrodynamic generator.	Steam-generator.						
Gas-generator.	Steam and vapor generator.						
Gasoline-generator.	Telephone-call generator.						
Hot-water generator.	Thermo-electric generator.						
Hydrogen-generator.	Turbine-generator.						
Magneto-generator.	Vapor-generator.						
Magneto-electric generator.							
Generator and combustion-chamber. Combined.							
Generator speed-regulator	G. Ragot	764,149	July 5	471	92	111	102
Geodetic instrument.	G. J. and H. G. Pelstring	751,993	Feb. 9	2291	512	108	1566
Geodetic instrument.	K. Hein	761,481	Mar. 31	5765	1230	110	1351
Geodetic instrument.	H. Grubb	752,067	Feb. 23	3582	738	108	1889
Geometrical figures. Instrument for the construction of equivalent	J. C. Willmon	753,458	Mar. 1	445	104	109	97
Geometrical instrument	S. E. Llona	772,283	Oct. 11	2164	472	112	1442
Gilder's tool	W. H. Coe	754,403	Mar. 8	2382	520	109	537
Gill-boxes. Automatic safety stop-motion for	D. Stockwell	751,570	Feb. 9	1456	330	108	1388
Gin attachment. Saw.	S. W. Power	778,071	Dec. 20	3195	703	113	2146
Gin-bread.	F. L. Cowan	772,080	Dec. 13	1241	273	113	1719
Gin-rib	L. W. Ellman	775,349	Nov. 22	3633	773	113	883
Gin safety attachment	W. S. Baker	776,007	Nov. 29	5024	1059	113	1201
Gin-saw cleaner	G. J. and R. M. Jordan	759,998	May 17	2845	595	110	675
Gin-saw cleaner. Cotton.	J. Y. Clark	767,808	Aug. 16	3482	736	111	1547
Girder and joist connection for posts	A. S. Alschuler and S. J. Adler	760,511	May 24	3824	811	110	913
Girder. Concrete or like	F. Pohlmann	766,899	Aug. 9	1597	335	111	1415
Girder. Metal-and-concrete	R. A. Cummings	764,884	July 12	2017	416	111	458

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Girders for structures of cement, concrete, or the like. System of metallic	G. A. Parent.....	777,742	Dec. 20	2508	552	113	3208
Glandular extractive compound	J. Takamine.....	753,177	Feb. 23	4566	.....	108	2109
Glass: See Hand-glass. Opera-glass.							
Glass and oven for same. Apparatus for flattening cylinders for making window	C. J. Hurrel.....	767,341	Aug. 9	2444	512 513	111	1599
Glass. Apparatus for fire-polishing	C. J. Nolan.....	766,193	Aug. 2	79	14	111	1059
Glass. Apparatus for forming threads on	F. Wackenhuth.....	771,106	Sept. 27	3785	799	112	902
Glass articles. Apparatus for drawing	J. H. Lubbers.....	758,988	May 3	804	162	110	885
Glass articles. Drawing	J. A. Chambers.....	769,880	June 21	2530	548	113	3026
Glass articles. Manufacture of	F. L. O. Wadsworth.....	773,807	Oct. 25	4372	923	112	1970
Glass articles. Manufacturing	S. O. Richardson, Jr.....	756,895	Apr. 12	1360	302	109	1648
Glass articles. Manufacturing hollow	S. O. Richardson, Jr.....	760,150	May 17	3151	659	110	743
Glass articles. Manufacturing hollow	P. T. Sievert.....	771,581	Oct. 4	715	138	112	1111
Glass articles of circular cross-section. Manufacture of	D. A. Ripley.....	754,165	Mar. 8	1868	416	109	429
Glass-bending apparatus	T. W. Connington.....	760,959	May 24	4737	1009	110	1107
Glass-beveling machine	P. E. Welton.....	766,084	July 26	4364	946	111	988
Glass. Blowing	M. J. Owens.....	759,742	May 10	2330	486	110	543
Glass blowing and finishing machine	J. Schies.....	752,597	Feb. 16	3425	763	108	1838
Glass-blowing machine	H. Severin.....	767,356	Apr. 12	2285	499	109	1846
Glass-blowing machinery	W. F. Altenbaugh and L. A. Conner, Jr.....	765,451	July 19	3109	651	111	709
Glass-bottle, &c., making machine	J. Forster.....	767,515	Aug. 16	2806	586 587	111	1699
Glass-bottle-manufacturing machine	C. Leistner.....	767,578	Aug. 16	2931	613	111	1728
Glass bottles or other vessels. Machine for manufacturing	C. Leistner.....	777,261	Dec. 13	1563	348	113	1769
Glass bottles or the like. Machine for the manufacture of	C. Leistner.....	773,509	Oct. 25	4818	1014	112	2067
Glass bulbs. Perforating	W. R. Burrows.....	756,985	Apr. 12	1435	319	109	1664
Glass. Clipping	P. J. Handel.....	773,818	Nov. 22	4627	.....	113	1095
Glass. Clamp for holding plate	S. W. Harper.....	759,608	May 10	2079	426	110	487
Glass clamp. Plate	W. G. Soule.....	771,215	Sept. 27	3998	816	112	945
Glass. Cooling-retarder for drawing	L. Thornburg.....	749,680	Jan. 12	2245	484	108	533
Glass-cutter	H. F. Hughes.....	766,897	Aug. 9	1455	304	111	1384
Glass-cutter	N. Fells.....	773,023	Dec. 20	3114	685	112	2130
Glass-cutting apparatus	W. Pannkoke.....	752,017	Feb. 9	2327	520 521	108	1574
Glass decoration with flat surface	T. Ott.....	765,192	July 19	2598	543	111	598
Glass. Device for carrying heated	R. W. Blaze.....	774,375	Nov. 8	1614	346	113	380
Device for clamping together show-case or other	W. E. Gould.....	773,731	Nov. 1	377	88	113	89
Glass. Drawing	J. A. Chambers.....	762,879	June 21	2529	548	110	2025
Glass. Drawing	J. H. Lubbers.....	766,274	Aug. 2	275	53, 54	111	1101
Glass. Drawing	L. Thornburg.....	769,642	Sept. 6	257	397	112	218
Glass-drawing apparatus	L. Thornburg.....	759,329	May 10	1536	309	110	370
Glass-drawing apparatus	J. H. Lubbers.....	766,275	Aug. 2	278	54, 55	111	1101
Glass-drawing bait	J. H. Lubbers.....	758,544	Apr. 26	4659	1003	109	2400
Glass-drawing bait	R. S. Pease.....	758,560	Apr. 26	4696	1010	107	2406
Glass-drawing machine	G. H. Harvey.....	750,538	Jan. 26	3959	108	927	108
Glass-drawing machine	H. Crimmel.....	759,159	May 3	1125	228	110	256
Glass-drawing machine	G. H. Harvey.....	763,253	June 28	3454	746	110	2252
Glass-drawing machine	G. H. Harvey.....	762,509	Oct. 18	2634	579	112	1565
Glass-drawing machine	G. H. Harvey.....	772,510	Oct. 18	2637	579	112	1566
Glass-etching machine	J. S. Lucock.....	769,224	Sept. 6	162	39, 40	112	96
Glass-finishing apparatus	F. Woodruff.....	765,119	July 12	2463	514	111	552
Glass. Fire-polishing	C. J. Nolan.....	766,514	Aug. 2	758	159	111	1206
Glass. Fire-polishing	C. J. Nolan.....	772,902	Oct. 18	3398	737 738	112	1731
Glass-fire-polishing apparatus	C. J. Nolan.....	772,901	Oct. 18	3397	736 737	112	1731
Glass-forming apparatus. Plate	H. J. Hays.....	753,069	Feb. 23	4381	974	108	2068
Glass-forming machine. Sheet	R. A. B. Walsh.....	760,667	May 24	4147	881	110	981
Glass-forming machine. Sheet	R. A. B. Walsh.....	760,668	May 24	4148	881	110	981
Glass-furnace	S. O. Richardson, Jr.....	756,409	Apr. 5	441	81	109	1437
Glass-furnace	J. E. Berry.....	767,373	Aug. 16	2510	526	111	1681
Glass-furnace	H. Hilde.....	770,964	Sept. 27	3506	738 739	112	841
Glass-gathering machine	L. Miller.....	752,553	Apr. 26	4671	1006 1007	109	2403
Glass-gathering machine	W. F. Altenbaugh.....	768,790	Aug. 30	5819	1222	111	2408
Glass-gathering machine	J. I. Martin.....	771,315	Oct. 4	182	40	112	1000
Glass grinder. Plate	H. W. Thomas.....	774,857	Nov. 15	2601	557	113	615
Glass. Grinding	C. C. Stutz.....	760,038	May 17	2919	611	110	601
Glass. Grinding	C. C. Stutz.....	760,765	May 24	4358	926	110	1027
Glass-grinding machine	C. L. Goehring and W. Troche.....	762,399	June 14	1508	329 330	110	1785
Glass-grinding machine	C. L. Goehring and W. Troche.....	762,400	June 14	1514	331 332	110	1786
Glass-grinding machine	H. C. Watson.....	766,783	Aug. 2	1333	281 282	111	1338
Glass-grinding machine	C. L. Goehring and W. Troche.....	775,816	Nov. 22	4620	980 981	113	1093
Glass-grinding machine	C. L. Goehring and W. Troche.....	778,426	Dec. 27	4037	879	113	2345
Glass-grinding-machine work-holder	F. J. Starr and H. W. Garrett.....	763,439	June 28	3645	785	110	2293

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Glass grinding or polishing apparatus	F. F. Fischer	749,961	Jan. 19	2858	610 611	108	672
Glass grinding or polishing machine	D. J. Murnane	761,997	May 31	5970	1282	110	1397
Glass grinding, smoothing, and polishing table	D. J. Murnane and R. W. Davies	749,801	Jan. 19	2557	543	108	606
Glass-houses. Apparatus for handling material in	W. D. Hartupsee	776,133	Nov. 29	3256	1110	113	1254
Glass in store-fronts and show-cases. Fastening for	W. L. Kann and J. H. Curry	760,741	May 24	4313	916	110	1016
Glass jar	R. I. Sherman	754,168	Mar. 8	1876	418	109	430
Glass lamps, &c. Manufacture of	E. W. Bryce	763,849	June 28	4414	960	110	2467
Glass machine. Sheet	S. Deeley	754,752	Mar. 15	3079	673	109	708
Glass machine. Wire	J. H. Cunliffe and T. E. Taylor	766,443	Aug. 2	564	130	111	1163
Glass-making apparatus. Cylinder	J. Haley	766,183	Aug. 2	55	10	111	1305
Glass-making apparatus. Sheet	W. B. Fenn	765,570	July 19	3339	701	111	757
Glass-making apparatus. Sheet	J. P. Taylor	770,832	Sept. 27	3254	686	112	783
Glass-making machine. Cut	C. B. Bishop	765,267	July 19	2726	568	111	627
Glass-making machine. Cut	C. B. Bishop	765,268	July 19	2729	570	111	627
Glass-making machine. Cut	C. B. Bishop	765,304	July 19	2792	583	111	640
Glass-making machine. Window	E. Cheesman	775,204	Nov. 15	3801	705	113	778
Glass. Making translucent opal	J. Kempner	777,734	Dec. 20	2490	913	113	2006
Glass. Making wired plate	R. A. B. Walsh	776,158	Nov. 29	5303	1125	113	1264
Glass. Manufacture of	S. O. Richardson, Jr.	764,501	July 5	1217	250	111	267
Glass. Manufacturing	S. O. Richardson, Jr.	766,771	Aug. 2	1302	276	111	1330
Glass-manufacturing apparatus	A. R. Wilson and L. M. Dull	775,740	Nov. 22	4480	948	113	1063
Glass-manufacturing machine. Window	A. Bournique	771,763	Oct. 4	1060	236 237 238 239	112	1186
Glass melting and shaping device	M. J. Owens	774,690	Nov. 8	2199	480 481	113	504
Glass-melting furnace	M. M. Maher	757,666	Apr. 19	2928	636	109	2000
Glass-melting furnace	G. H. Benjamin	762,270	June 14	1253	269 270	110	1732
Glass-melting furnace	W. T. Nicholls	764,300	July 5	783	160	111	173
Glass-melting furnace	W. T. Nicholls	776,196	Nov. 29	5373	1137	113	1281
Glass. Metallized	A. Diat dit Diaz	764,991	July 12	2232	461	111	504
Glass-mold	M. Myers	771,483	Oct. 4	510	115	112	1067
Glass-mold-operating apparatus	L. Buecko	751,966	Mar. 22	3492	764	109	815
Glass-molding apparatus	G. A. Marsh	778,787	Dec. 27	4573	1001	113	2464
Glass mosaic. Leaded	F. L. Linden	752,346	Feb. 16	2943	655	108	1733
Glass or earthenware vessel	J. C. Howells, Sr.	773,306	Oct. 25	4371	928	112	1970
Glass or like substances. Beveling	C. L. Goehring and W. Troche	749,551	Jan. 12	2069	430	108	485
Glass. Ornamental	C. S. Dolley	760,059	May 17	2959	617	110	701
Glass panes to their frames. Means for attaching	T. Robertson and E. L. Middlebrook	773,678	Nov. 1	278	63	113	66
Glass pipes. Manufacture of cast	C. H. Jenkins	756,022	Mar. 29	5492	1212	109	1367
Glass plate or slab	F. L. O. Wadsworth	773,306	Oct. 25	4371	928	112	1970
Glass plates together. Corner-clamp for securing	H. Schielke	754,245	Mar. 8	3028	431	109	462
Glass-polishing apparatus. Cut	J. J. McCue, Jr.	776,343	Nov. 29	5649	1197	113	1342
Glass. Pot-furnace for melting	W. T. Nicholls	774,600	Nov. 8	2035	444 445 446	113	408
Glass-press	T. Coleman, Jr.	773,247	Oct. 25	4256	900 901	112	1945
Glass pressing and blowing machine	W. B. Fenn	767,807	Aug. 16	3350	709 710	111	1820
Glass-pressing machine	C. J. Koenig	776,600	Dec. 6	263	59	113	1488
Glass-pressing mechanism	F. W. Neill	767,310	Aug. 9	2388	499	111	1587
Glass-reheating furnace	J. L. C. V. F. J. P. R., and F. L. Arbogast	756,557	Apr. 5	709	153	109	1493
Glass-shaping apparatus	D. C. Ripley	777,609	Dec. 20	2657	584 585 586	113	2039
Glass-shaping machine	M. J. Owens	766,768	Aug. 2	1284	274 275	111	1326
Glass sheet or tile and making same. Wire	F. L. O. Wadsworth	773,305	Oct. 25	4368	922	112	1970
Glass sheets. Apparatus for making	F. Proeger	763,633	June 28	3980	868	110	2363
Glass. Silvering or resilvering	H. P. Strahan	767,698	Aug. 16	2967	109	111	1742
Glass stone. Manufacture of	L. A. Garchey	753,694	Mar. 1	924	109	110	230
Glass stone. Manufacture of	L. A. Garchey	753,695	Mar. 1	925	209	109	200
Glass-tank furnace	P. Ebeling	759,354	May 10	1600	322	110	382
Glass tray	A. Lange	774,479	Nov. 8	1804	391	113	420
Glass vessel. Sectional	W. B. Fenn	770,440	Aug. 23	4726	991	111	2148
Glass with wire embedded therein. Making	J. W. Paxton	758,101	Feb. 23	4436	986	108	2380
Glass. Working	H. J. Hays	752,674	Feb. 23	3595	801	108	1892
Glass. Working	A. Swan	774,708	Nov. 8	2239	488	113	513
Glass-working machine	I. W. Colburn	754,426	Mar. 15	2438	531 532 533	109	567
Glass-working machine	I. W. Colburn	766,032	Aug. 9	1668	351	111	1432
Glass-working machine	I. W. Colburn	767,391	Aug. 16	2542	535	111	1638
Glass-working machine	I. W. Colburn	768,034	Aug. 23	3856	807 808 809	111	1947
Glass-working machine	I. W. Colburn	768,589	Aug. 30	5047	1060	111	2235
Glass-working machine	I. W. Colburn	769,149	Sept. 6	13	4	112	5
Glassware-annealing lehr	C. A. Dunbar	759,165	May 8	1141	232	110	259
Glassware. Machine for making hollow	G. C. Pyle	775,709	Nov. 22	4423	934 935 936	113	1051
Glassware. Machinery for the manufacture of	R. Good, Jr.	767,811	Aug. 16	3360	711 712 713	111	1823
Glassware-making machine	C. M. Zurn	777,876	Dec. 20	2803	615 616	113	2069
Glassware. Making pressed	O. A. Mygatt	762,925	June 21	2618	567	110	2045
Glassware. Manufacturing	S. O. Richardson, Jr.	756,284	Apr. 5	188	37	109	1383

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Glassware. Manufacturing	J. I. C. V., F. J., F. L., and P. R. Arbogast.	756,558	Apr. 5	711	154	109	1493
Glassware. Manufacturing	E. Kaye.	759,718	May 10	2280	703	110	532
Glassware-manufacturing machinery	R. Good, Jr.	767,935	Aug. 16	3606	704 765	111	1874
Glassware, &c. Ornamented or lettered	R. K. Duncan	748,849	Jan. 5	558		108	126
Glassware. Scalloping	A. Grundstrom	769,135	Aug. 30	6147	1285	111	2479
Glassware-scalloping device	A. Grundstrom	759,073	Aug. 30	6022	1292	111	2451
Glassware with liquid gold. Decorating	H. Northwood	770,867	Sept. 27	3310	415	112	796
Glazed structure	J. A. Payne.	750,389	Jan. 26	3652	794	108	864
Glazier's point	T. Widdop	761,569	May 31	5927	1270	110	1387
Glaziers' points. Die-press for making	D. M. Humiston	765,486	July 19	3192	667 668	111	726
Glazier's tool	T. Widdop	761,570	May 31	5928	1271	110	1387
Globe	S. O. Richardson, Jr.	777,142	Dec. 13	1352	299	113	1743
Globe. Collapsible	R. D. Gallagher, Jr.	775,364	Nov. 22	3687	782	113	890
Globe-holder	F. A. Wernsing and J. Stubbers	777,321	Dec. 13	1509	335	113	1777
Globe or shade holder	L. R. Hopton	759,444	May 10	728	356	110	418
Glove	F. W. Farrar	750,443	Jan. 26	3738	817	108	886
Glove	R. B. McMasters.	750,683	Jan. 26	4206	912	108	979
Glove	W. B. Phillips	753,000	Feb. 23	4245	946	108	2038
Glove	G. E. Woodman	753,779	Mar. 1	1094	248	109	236
Glove	R. G. Rate and M. Mattes	754,160	Mar. 8	1859	414	109	427
Glove	W. Lefi	759,117	May 3	1050	213	110	239
Glove	H. Hartmann	760,203	May 17	3250	681	110	764
Glove	D. F. Morgan	760,547	May 24	3893	827	110	929
Glove. Boxing	Q. W. Noil	774,489	Nov. 8	1825	395	113	424
Glove. Decoration	A. F. Bux, Jr.	768,733	Aug. 30	3340	1125	111	2298
Glove-fastener	P. Doppenschmitt	763,736	June 28	4192	913	110	2410
Glove-fastener	A. Leblanc	749,618	Jan. 12	2173	456	108	507
Glove-fastener	P. J. Engels	750,634	Feb. 2	102	34	108	1079
Glove-fastener	B. E. Lane	772,158	Oct. 11	1910	323	112	1388
Glove-fastener	E. W. Dyke	774,381	Nov. 8	1625	349	113	1089
Glove-form	M. Small	761,856	June 7	494	99	110	1550
Glove-former	G. J. Schneider	772,063	Oct. 11	1711	381	112	1341
Glove-gauntlet	W. C. Graichen	752,769	Feb. 23	3762	839	108	1929
Glove. Reversible	H. S. Simpson	755,985	Apr. 12	1540	339	109	1685
Glove-stretcher	C. L. McBride	766,372	Aug. 2	450	97	111	1140
Glove-turner	G. Burr	754,539	Mar. 15	2671	580	109	619
Glove-washing form	C. Krell	763,406	June 28	3573	771	110	2378
Glue and gelatin from bones. Making	H. Hilbert	757,658	Apr. 19	2913	.....	109	1998
Glue from hides. Making	E. R. Hewitt	748,866	Jan. 5	593	1156 1157	108	136
Glue, &c. Melting and applying marine	A. Jeffery	761,300	May 31	5442	1137	111	2076
Glue or size. Manufacturing	P. Fargas-Oliva	768,274	Aug. 23	4978	.....	111	1266
Glue-press	A. S. Nichols.	762,549	June 14	1857	398 399	110	1860
Glue-press clamping device	A. E. Palmer	755,384	Mar. 22	4249	939	109	978
Gluing-clamp	J. C. Reckweg	772,254	Oct. 11	2111	462	112	1429
Glycerin from spent soap-lyes. Recovering	W. E. Garrigues	774,172	Nov. 8	1249	.....	113	299
Go-cart	F. E. Southard	748,994	Jan. 5	361	185	108	200
Go-cart	L. N. Dann	759,681	May 10	2217	456	110	518
Go-cart. Folding	G. H. Barschow	751,448	Feb. 9	1231	281	108	1337
Go-cart. Folding	C. B. Gwathmey	759,272	May 10	1428	284	110	347
Go-cart. Folding	J. B. Rohrer	762,441	June 14	1698	350	110	1807
Go-cart or child's chair	J. Weber, Jr.	749,119	Jan. 5	1143	242	108	264
Goggles, Motor	H. Newbold	775,381	Nov. 22	3721	730	113	886
Gold and oxid of iron from sand. Recovering	T. J. Lovett	775,043	Nov. 15	2959	.....	113	699
Gold and silver from cyanid solutions. Recovery of	S. B. Christy	756,328	Apr. 5	265	55, 56	109	1400
Gold and silver ores. Treating	H. K. Rider	776,424	Nov. 29	5908	1230	113	1381
Gold-dredging-machine tumbler	W. Ferris	763,669	June 28	4454	969	110	2465
Gold-dredging-machine tumbler	O. B. Perry	767,009	Aug. 9	1808	378	111	1461
Gold from auriferous sand, &c. Apparatus for extracting	R. Blake	771,454	Oct. 4	461	105	112	1056
Gold from ores, &c. Extracting	H. S. Stark	769,280	Sept. 6	286	.....	112	62
Gold from ores. Extracting	H. R. Cassel	775,597	Nov. 22	4300	884	113	1004
Gold from rebellious ores. Extracting	E. C. Broadwell	775,882	Mar. 1	1214	.....	109	260
Gold-leaf condenser	J. D. Ford	767,744	Aug. 16	3225	680	111	1793
Gold-saving apparatus	L. Sachse	750,227	Jan. 19	3350	724 725	108	776
Gold-saving apparatus	E. S. Kelley	766,026	Aug. 2	995	.....	111	1962
Gold-saving apparatus	J. S. Bollinger	769,386	Sept. 1	1422	304	112	339
Gold-saving apparatus	J. D. Grist	774,786	Nov. 15	2437	526	113	580
Gold-saving apparatus	H. O. Clark	776,113	Nov. 29	5214	1101	113	1243
Gold-saving dam	E. R. De Normandie	762,231	June 7	1128	250	110	1693
Gold-saving. Grading, classifying, and distributing auriferous wash in	A. G. Kidston-Hunter	761,925	Feb. 9	2134	482	108	1333
Gold separating and recovering apparatus	W. Laudahn	762,174	June 7	1061	234	110	1669
Gold-separator	A. C. La Bud and H. J. Barton	764,657	Mar. 15	2898	633	109	665
Gold-separator	T. W. Korfhage	757,205	Apr. 12	1980	431	109	1782
Gold-separator	T. Pollock	777,803	Dec. 20	2641	.....	113	2036
Gold separator and amalgamator. Combined	H. Wismeyer	751,425	Feb. 2	1192	271 272	108	1310
Gold-separator. Pneumatic	W. Broadbent	771,857	Oct. 11	1963	283 284	112	1243
Gold-separator. Reciprocatory	J. P. Schmitz	752,026	Feb. 23	4100	913	108	2004
Gold-washing machine	C. C. Van der Valk	760,664	May 24	4141	880	110	980
Golf-ball, &c.	C. J. Grist	749,053	Jan. 5	1017	215	108	235
Golf-ball	T. C. Crawford	757,600	Apr. 19	2788	610	109	1707
Golf-ball holder	W. B. Anderton	776,101	Nov. 29	5196	1097	113	1239
Golf-club	J. G. Curtiss	753,677	Mar. 8	386	900	109	1262
Golf-club	H. B. Smith	760,161	May 17	3174	665	110	748
Golf-club	C. E. Clark	769,939	Sept. 13	1533	327	112	363

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Golf-club	C. E. Clark	777,400	Dec. 13	1837	406	113	1849
Golf-club adjustable head	R. L. and E. M. Urquhart	776,368	Nov. 29	5696	1205	113	1355
Golf-player's scoring device	W. H. Weissbrod	753,457	Mar. 1	444	104	109	97
Gong. Electromechanical	F. W. Cole	757,271	Apr. 12	2094	456	109	1805
Gongs, &c. Operating device for	A. G. Kent and G. M. Wegman	766,254	Aug. 2	256	50	111	1097
Gopher-trap	J. J. Daniels	749,848	Jan. 19	2842	555	108	625
Gopher-trap	J. Morawetz	750,677	Jan. 26	4198	911	108	978
Governing apparatus. Engine	H. F. Fullagar	778,125	Dec. 20	3306	726	113	2170
Governing mechanism	P. D. Ball and C. L. Wakefield	754,038	Mar. 8	1636	364	109	377
Governing mechanism for internal-combustion engines.	W. J. McVicker	753,091	Feb. 23	4419	982	108	2077
Governor.	N. Lombard	754,469	Mar. 15	2530	551	109	588
Governor.	E. A. Page	760,344	May 17	3498	736	110	820
Governor.	C. Pfeiffer	770,606	Sept. 20	2789	593	112	663
Governor and speed-gear mechanism. Combined.	N. V. Johnson	748,958	Jan. 5	778	169	108	177
Governor attachment	I. Arrasmith	770,146	Sept. 13	1806	403	112	443
Governor. Automatic friction-	V. G. Apple	754,185	Mar. 8	1904	424	109	437
Governor. Centrifugal	C. A. Faessler	768,273	Aug. 23	4377	919	111	2096
Governor. Centrifugal	O. Junggren	778,248	Dec. 27	3336	776	113	2238
Governor. Centrifugal	J. Unggren	774,249	Dec. 27	3338	776	113	2239
Governor cut-off. Steam-engine	H. Damerell	777,846	Dec. 20	2735	608	113	2064
Governor. Engine	E. Hudson	748,738	Jan. 5	345	76	108	77
Governor. Engine	O. Hove	750,649	Jan. 26	4139	898	108	963
Governor. Engine	H. Holzwarth	754,563	Mar. 15	2710	589	109	627
Governor. Engine	D. W. Cone and D. N. Perry	755,564	Mar. 22	4555	1003	109	1042
Governor. Engine	C. Andrews	760,052	May 17	2944	614	110	697
Governor. Engine	J. W. Sargent	760,808	May 24	4445	946	110	1045
Governor. Engine	W. Trinks	761,019	May 24	4889	1032	110	1137
Governor. Engine	C. E. Terrell	766,076	July 26	4343	933	111	984
Governor. Engine or like	J. Taylor and D. H. Evans	763,573	June 28	3878	840	110	2342
Governor. Engine valve	C. Kuhlewind	758,010	Apr. 19	3585	776	109	2144
Governor. Engine valve	C. Kuhlewind	758,011	Apr. 19	3587	777	109	2145
Governor. Explosive-engine	A. Sanander	760,762	May 24	4353	924	110	1028
Governor. Explosive-engine	C. and W. Hibbard	775,830	Nov. 22	4631	982	113	1096
Governor. Fly-ball	M. Haeberlein	766,615	Aug. 2	979	205	111	1259
Governor. Gas or internal-combustion engine	P. Jenness	757,311	Apr. 12	2205	482	109	1828
Governor. Gasoline-engine	D. C. Stover	768,158	Aug. 23	4148	873	111	2016
Governor. High-speed-engine	E. A. Edwards	764,228	July 5	637	133	111	147
Governor. High-speed inertia	J. Wilkinson	769,284	Sept. 6	293	68, 69	112	63
Governor. Hydropneumatic-engine	E. A. Hornbostel, Jr	756,791	Apr. 5	1148	254	109	1589
Governor. Internal-combustion-engine	C. E. Sargent	752,109	Feb. 16	2483	554	108	1628
Governor. Marine-engine	J. Mathiesen	762,736	June 14	2828	484	110	1388
Governor. Marine-engine	A. Kerr	773,079	Oct. 25	3828	817	112	1847
Governor. Motor speed	E. R. Johnson	750,858	Feb. 2	148	34	108	1090
Governor. Pumping-engine	C. F. Mcullen	774,286	Nov. 8	1417	302	113	386
Governor-regulator	J. C. Koch	748,751	Jan. 5	368	83	108	82
Governor. Speed	J. W. Macfarlane	755,575	Mar. 22	4576	1018	109	1047
Governor. Speed	L. K. Hong	755,776	Mar. 29	5012	1114	109	1159
Governor. Speed	J. G. Helfers	756,363	Apr. 5	354	72	109	1419
Governor. Speed	C. Robinson	758,020	Apr. 19	3610	781	109	2150
Governor. Speed	L. F. Burger	771,459	Oct. 4	469	107	112	1058
Governor. Speed	H. N. Molsinger	776,028	Nov. 29	5065	1069	113	1211
Governor. Steam-engine	J. Eberhardt and H. Weghorst	764,661	July 12	1585	324	111	362
Governor-valve for gas-engines	F. Wedrick	774,011	Nov. 1	951	197	113	216
Governor. Variable-speed	R. A. Mitchell and L. L. Lewis	762,338	June 14	2826	527	110	1982
Gown. House	G. W. Casteel	757,269	Apr. 12	2091	456	109	1805
Gown. Nursing	F. A. Flutie	753,131	Feb. 23	4485	998	108	2090
Grader. Road	R. T. Coyle	778,014	Dec. 20	3093	680	113	2126
Grader. Road	H. L. Braly	777,323	Apr. 5	253	53	109	1398
Grader. Road	H. Woods	763,650	June 28	4016	875	110	2371
Grader. Road	W. Alcorn	770,145	Sept. 13	1804	402	112	443
Grading and ditching machine	B. O. Rhodes	749,747	Jan. 19	2458	523	108	585
Grading and ditching machine	T. J. Gray	759,748	Jan. 19	2459	524	108	585
Grading and ditching machine	C. E. Rhodes	759,696	May 10	3076	435	110	487
Grading and ditching machine	J. W. Baker	759,954	May 17	2742	575	110	650
Grading and ditching machine. Road	R. Russell	775,990	Nov. 29	4986	1053	113	1191
Grading and excavating machine	S. H. Bloomer	776,990	Dec. 6	1055	228	113	1661
Grading and scraping machine	D. C. Maytag	765,500	July 19	3219	673	111	732
Grading and scraping machine. Road	J. H. Osten	754,087	Mar. 8	1729	385	109	396
Grading-machine	B. A. Karr	748,616	Jan. 5	109	28	108	25
Grading-machine	E. J. Vodra	760,590	May 24	3973	845	110	945
Grading-machine	T. C. Caswell	763,154	June 21	3052	657	110	2141
Grading-machine	F. Bélanger	765,542	July 19	3290	689	111	747
Grading-machine	W. Wolfe	774,127	Nov. 1	1168	249	113	264
Grading or separating system. Pneumatic	A. L. Powlison and E. C. Erb	758,148	Apr. 26	3868	840	109	2226
Graduate	O. C. Carr	764,671	July 12	1601	327	111	367
Grafting-knife	W. S. Osborne	765,611	July 19	3410	719	111	773
Grain-bin drying apparatus	C. O. Coutts	751,383	Feb. 2	1125	256	108	1297
Grain-bin drying apparatus	A. R. Hagner	764,237	July 5	668	136	111	149
Grain-bin signal	J. G. Raygor and C. Slife	767,713	Aug. 16	3177	665	111	1782
Grain-binder	C. Colahan	748,587	Jan. 5	66	166	108	17
Grain-binder	C. Maul	752,912	Feb. 23	4046	905	108	1992
Grain-binder	C. Colahan	755,748	Mar. 29	4940	1099	109	1144

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Grain-binder	W. C. Duryea	772,137	Oct. 11	1858	412	112	1372
Grain-binder	F. A. Ryther	776,032	Nov. 29	5071	1070	113	1212
Grain-binder attachment	J. H. Williams and G. B. Evans	758,161	Apr. 26	3891	845	109	2231
Grain-binder attachment	H. C. Raesner	775,341	Nov. 22	3642	770	113	881
Grain-binder automatic trip	E. A. Johnston	767,412	Aug. 16	2587	545	111	1649
Grain-binder. Duplex	P. P. Coler	778,011	Dec. 20	3076	677	113	2122
Grain-binder knot-tying device	E. W. Jenkins	769,347	Sept. 6	420	95, 96	112	92
Grain-binder knott mechanism	P. Hanson	762,402	June 14	1521	333	110	1788
Grain-binder knott mechanism	P. Hanson	762,404	June 14	1526	334	110	1788
Grain-binder knott mechanism	H. J. Case	771,532	Oct. 4	626	149	112	1092
Grain-binder tension device	F. P. Burkhardt	771,220	Oct. 4	16	3	112	964
Grain-binders. Mechanical movement adapted to	W. C. Duryea	753,559	Mar. 1	662	148	109	146
Grain-blower	G. Merkel	754,476	Mar. 15	2551	555	109	594
Grain-carrier	J. Coffman	756,938	Apr. 12	1440	319	109	1665
Grain. Causing the germination of	V. Lapp	761,237	May 31	5314	1128	110	1250
Grain-cleaner	W. Williamson	760,832	May 24	4497	957	110	1055
Grain cleaner and separator	E. R. Draver	749,366	Jan. 12	1675	356	108	402
Grain-cleaning attachment for elevators	A. L. Dean	761,453	May 31	5724	1220	110	1342
Grain, &c. Contrivance for regulating the distribution or feed of	R. H. McClelland	767,762	Aug. 16	3357	685	111	1800
Grain-conveyer	J. E. Camp	752,651	Feb. 23	3552	791	108	1881
Grain-conveyer	E. M. Kramer	769,947	Sept. 13	1545	329	112	365
Grain. Conveyer mechanism for handling	E. M. Kramer	752,688	Feb. 23	3624	806	108	1898
Grain-conveyer. Portable	J. W. McCoy	776,611	Dec. 6	283	63	113	1492
Grain decorticating and grinding machine	J. H. F. L. Hartmann	778,193	Dec. 20	3428	754	113	2196
Grain-distributor	A. Witterich	765,409	July 19	3016	632	111	689
Grain-drier	F. M. Smith	765,795	July 26	3824	815	111	871
Grain drier and cooler	J. W. Irwin	759,527	May 10	1924	393	110	456
Grain-drier. Centrifugal	M. L. Barbeau	762,882	Feb. 23	3966	893	108	1978
Grain-drier for cars	J. J. Swaine	776,872	Dec. 6	828	178	113	1609
Grain-drill	H. Funk	748,717	Jan. 5	306	69	108	68
Grain-drill	G. L. Roby	754,167	Mar. 8	1874	417	109	430
Grain-drill	F. P. Dill	755,636	Mar. 29	4712	1048	109	1091
Grain-drill	R. D. Browning	756,095	Mar. 29	5019	1240	109	1294
Grain-drill	E. C. Bain	756,315	Apr. 5	240	50	109	1395
Grain-drill	L. E. Roby	757,771	Apr. 19	3138	682	109	2046
Grain-drill	W. Fetzner	762,813	June 14	2289	520	110	1974
Grain-drill	W. D. Myers	771,485	Oct. 4	513	115	112	1068
Grain-drill	H. N. Paas and F. E. Marsh	776,505	Dec. 6	61	15	113	1438
Grain-drill	F. E. Marsh	776,527	Dec. 6	119	27	113	1452
Grain-drill	D. A. Moon	777,123	Dec. 13	1324	293	113	1737
Grain-drill	H. J. Case	778,009	Dec. 20	3074	676	113	2121
Grain-drill attachment	M. Mitchell	769,101	Aug. 30	6077	1270	111	2454
Grain-drill attachment. Double-disk	J. A. Bingham	750,339	Jan. 26	3572	774	108	846
Grain-drill distributor	F. R. Packham	775,851	Nov. 29	4690	993	113	1107
Grain-drill distributor	F. R. Packham and G. P. Oates	776,199	Nov. 29	5377	1138	113	1281
Grain-drill feed-roller	H. D. Frerking	771,137	Sept. 27	3853	813	112	916
Grain-drill furrow-openers. Adjusting mechanism for	W. Fetzner	752,618	Feb. 16	3481	776	108	1850
Grain-drill shoe	J. A. Ranson	762,942	June 21	2653	575	110	2053
Grain-drills, cultivators, or like implements. Means for adjusting	F. A. Lake and C. E. Haefner	770,372	Sept. 20	2359	497	112	568
Grain-drilling machine	O. Heipemann	761,885	June 7	551	110	110	1563
Grain-dump	F. Wilson and R. A. Hilling	762,970	June 21	2695	584	110	2062
Grain dump and elevator. Portable	H. V. and E. H. Schroeder	772,834	Oct. 18	3254	710	112	1699
Grain-dump. Portable	J. E. Camp	756,577	Apr. 5	743	161	109	1499
Grain-dump. Portable	J. E. Camp	756,578	Apr. 5	745	162	109	1500
Grain-dump. Portable	S. Guth	760,862	May 24	4545	969	110	1067
Grain-dump. Portable	E. R. Shettle	771,181	Sept. 27	3939	831	112	933
Grain-elevator	C. S. Upham	751,762	Feb. 9	1810	413	108	1459
Grain-elevator	T. F. Hall	763,179	June 21	3101	667	110	2152
Grain-elevator	F. Scott	766,533	Aug. 2	800	169	111	1216
Grain-elevator	J. I. Fulton	771,470	Oct. 4	488	110	112	1062
Grain-elevator bagging attachment	C. Bradford	756,931	Apr. 12	1428	318	109	1663
Grain-elevator. Portable	H. O. Sparks	773,820	Nov. 1	538	118	113	124
Grain feed governor	J. E. Bousser	764,705	July 12	1664	339	111	380
Grain-germinating apparatus	V. Lapp	758,083	Apr. 26	3745	814	109	2156
Grain grading and separating machine	F. S. and C. T. Snavely	751,696	Feb. 9	1683	382	108	1434
Grain-header	J. A. Sharp	749,907	Jan. 10	2749	588	108	649
Grain-huller	A. E. Couch	750,610	Jan. 26	4079	883	108	951
Grain-lifter	H. E. Titamore	752,367	Feb. 16	2978	863	108	1740
Grain-lifter. Header	J. Mees	763,194	June 21	3136	673	110	2161
Grain, &c. Mill for rolling or grinding	E. Brown	752,755	Feb. 23	3739	834	108	1924

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Grain on wagons. Machine for loading bound.....	B. S. Kempton.....	755,198	Mar. 22	3783	833	109	879
Grain or hay elevator.....	J. E. Harrison.....	761,890	June 7	439	89, 90	110	1537
Grain or other similar products. Frictional scourer for.....	G. W. Long.....	776,075	Nov. 29	5145	1087	113	1238
Grain, ore, &c. Transfer-spout for.....	P. O. Olson.....	756,519	Apr. 5	644	139	109	1477
Grain-receptacle closure.....	A. L. Eliel.....	755,859	Mar. 29	5173	1145	109	1198
Grain-riddle.....	E. A. Jones.....	759,378	May 10	1643	333	110	392
Grain-scourer.....	W. B. and H. Allen.....	759,221	May 10	1297	261	110	313
Grain-scourer.....	E. E. Mitchell.....	767,910	Aug. 16	3553	752	111	1863
Grain-scourer and dust-collector. Self-contained.....	J. R. Draver.....	749,367	Jan. 12	1677	357	108	402
Grain-screen.....	F. Fredeen.....	757,905	Apr. 19	3385	732	109	2100
Grain-separator.....	F. L. Reeve.....	751,417	Feb. 2	1179	268	108	1308
Grain-separator.....	J. B. Cornwall.....	752,145	Feb. 16	2554	568	108	1644
Grain-separator.....	F. M. Smith.....	754,617	Mar. 15	2911	569	109	647
Grain-separator.....	J. E. White.....	754,729	Mar. 15	3043	664	109	699
Grain-separator.....	J. K. White and G. W. Pyle.....	755,978	Mar. 29	5405	1194	109	1249
Grain-separator.....	J. R. Lazarus.....	756,121	Mar. 29	5671	1251	109	1306
Grain-separator.....	G. W. Hill.....	757,307	Apr. 12	2178	477	109	1824
Grain-separator.....	J. E. Mitchell.....	760,901	May 24	4624	481	110	1083
Grain-separator.....	E. M. Kramer.....	762,639	June 14	2023	985	110	1896
Grain-separator.....	S. A. Furman.....	763,875	June 28	4464	972	110	2467
Grain-separator.....	F. L. Lewis.....	764,478	July 5	1160	236	111	256
Grain-separator.....	W. W. Huntley.....	766,623	Aug. 2	990	208	111	1201
Grain-separator.....	E. M. Kramer.....	769,948	Sept. 13	1547	330	112	366
Grain-separator.....	A. E. Schie.....	770,507	Sept. 20	2619	553	112	622
Grain-separator.....	B. Jakob.....	771,368	Oct. 4	297	65	112	1024
Grain separator and cleaner.....	I. M. Cooper.....	765,701	July 26	3607	767	111	830
Grain-separator and dust-collector. Combined.....	E. R. Draver.....	775,418	Nov. 22	3807	805	113	918
Grain separator and thresher.....	T. Parrott.....	770,694	Sept. 20	2366	631	112	703
Grain-separator attachment.....	J. Fynnan.....	772,312	Oct. 11	3223	457	113	1455
Grain-separator feeder.....	J. B. Cornwall.....	759,092	Jan. 19	3114	669	108	724
Grain-separator. Shaking.....	F. M. Smith.....	765,538	Aug. 2	808	171	111	1218
Grain-separator straw-rack.....	J. Johanneck.....	754,874	Mar. 15	3315	723	109	759
Grain-shocking attachment. Binder.....	J. C. McDougall.....	758,093	Apr. 26	3760	817	109	2200
Grain-shocking machine.....	W. Russell.....	773,342	Oct. 25	4451	943	112	1987
Grain-shoe. Self-adjusting.....	J. T. Jardine.....	748,741	Jan. 5	350	77	108	78
Grain-spout. Air-blast.....	C. G. Benedict and W. Anders.....	772,124	Oct. 11	1890	944	112	1366
Grain-steaming apparatus.....	P. Provost.....	768,692	Aug. 30	5268	1107	111	2282
Grain. Steeping.....	V. Lapp.....	755,144	Mar. 22	3796	886	109	882
Grain-tank.....	C. A. P. Turner.....	762,564	June 14	1885	405	110	1866
Grain transporting and weighing apparatus.....	G. W. McNear, Jr.....	749,216	Jan. 12	1371	293	108	336
Grain-transporting apparatus.....	G. W. McNear, Jr.....	767,162	Aug. 9	2130	443	111	1531
Grain. Treating.....	H. J. Caldwell and J. R. Barr.....	761,445	May 31	5712	1216	110	1340
Grain-treating apparatus. Seed.....	A. M. Haldaway.....	764,122	July 5	420	82	111	92
Grain-valve.....	G. J. Noth.....	752,465	Feb. 16	3168	706	108	1780
Grain with liquids. Apparatus for picking or treating.....	D. R. Gardiner.....	750,961	Feb. 2	340	81	108	1133
Gramophone. Electrically-operated.....	T. Birnbaum.....	768,738	Aug. 30	5329	1123	111	2296
Gramophone or talking-machine.....	A. Clark.....	759,348	Nov. 10	1582	318	110	378
Gramophone. Plate holder.....	R. Burzi.....	774,087	May 1	1000	210	113	226
Gramophone record-plate.....	T. B. Birnbaum.....	760,606	May 24	4009	822	110	953
Gramophone reproducer-support.....	E. R. Johnson. (Reissue).....	12,213	Apr. 26	4791	1031	109	2430
Granite. Manufacture of artificial.....	L. A. Garchey.....	776,460	Nov. 29	5880		113	1397
Granular material. Apparatus for supplying.....	A. L. and O. Anderson.....	760,772	May 24	4371	929	110	1030
Granular-material drier.....	E. L. Merriman and J. W. Vought.....	765,708	July 26	3621	770	111	832
Granulator. Gaged.....	E. Hermann.....	765,281	July 19	2736	575	111	633
Grape-berry stripping and crushing machine.....	E. Bach.....	770,038	Sept. 13	1706	361	112	408
Graphophone.....	G. C. Holden.....	762,904	June 21	2571	362	110	2034
Graphophone attachment.....	E. Gilbert.....	760,341	Aug. 2	404	85, 86	111	1130
Graphophone, phonograph, &c.....	W. C. Runge.....	756,289	Apr. 5	192	39, 40	109	1385
Grapple.....	T. Alexander.....	758,199	Apr. 26	3965	860	109	2247
Grapple.....	J. Demarest.....	764,281	July 5	746	153	111	165
Grapple. Magnetic.....	W. Reuter.....	762,759	June 14	2691	494	110	1947
Grappling-hook.....	W. T. Wilson.....	774,900	Nov. 15	2679	575	113	633
Grass-collector. Dumping.....	J. H. Hirt.....	774,356	Nov. 8	1585	339	113	873
Grass-destroyer.....	H. J. Huck.....	749,202	Jan. 12	1533	323	108	366
Grass-hook.....	M. A. Stewart.....	752,808	Feb. 23	3837	861	108	1945
Grass-hook and lawn-trimmer.....	H. B. Barden.....	773,454	Oct. 25	4681	980	112	2037
Grate.....	G. G. Kniffa.....	756,118	Mar. 29	5668	1250	109	1305
Grate.....	E. R. Cahoon.....	775,328	Nov. 22	3601	763	113	870
Grate.....	H. F. Langenhop.....	778,050	Dec. 20	3160	695	113	2139
Grate.....	J. Demarest.....	778,118	Dec. 20	3386	722	113	2166
Grate.....	J. Demarest.....	778,119	Dec. 20	3388	723	113	2166
Grate.....	A. E. Johnson.....	778,749	Dec. 27	4502	986	113	2448
Grate and flue therefor.....	A. L. Houston.....	758,263	Mar. 1	95	24	109	24
Grate attachment.....	M. A. Stewart.....	776,834	Dec. 8	871	157	113	1619
Grate attachment. Fire.....	C. E. Dittrich.....	757,067	Apr. 19	1703	370	109	1720
Grate-bar.....	J. W. Glover.....	773,253	Oct. 25	4269	903	112	1949
Grate-bar.....	H. Budd.....	778,106	Dec. 20	3260	716	113	2160

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Grate-bar. Hollow blast	J. A. Willard	764,511	July 5	1237	254	111	270
Grate-fender	E. C. Dickerson	768,657	Aug. 30	5185	1090	111	2265
Grate. Fireplace	H. E. Moomaw	770,729	Sept. 20	3025	643	111	715
Grate-operating appliance.	G. A. Ellis	775,395	Nov. 22	3737	793	113	907
Grate or fireplace. Fire	F. J. Bostel	757,595	Apr. 19	2781	608	109	1968
Grate sifting attachment	J. G. and J. B. Lamotte	769,950	Sept. 13	1550	330	112	366
Grate. Smokeless self-cleaning	F. and A. Girtanner	757,187	Apr. 12	1951	426	109	1777
Grater	C. B. Hibbard	775,973	Nov. 22	4961	1047	113	1185
Grater. Nutmeg	E. E. Snyder	762,497	June 14	1729	371	110	1833
Grater. Nutmeg	J. T. Welke	774,217	Nov. 8	1330	283	113	317
Grating. Burglar-proof	H. Rick	759,471	May 10	1819	367	110	433
Grating implement	J. W. Gage	751,159	Feb. 2	687	158	108	1206
Grating. Safety	G. T. E. Henriksen	763,830	June 28	4486	978	110	2473
Grave-mound edging or framing	W. T. Moylan	761,973	June 7	720	147	110	1596
Grave-protector	W. H. Halfaker	752,902	Feb. 23	4028	902	108	1988
Graves. Apparatus for signaling from	E. S. Crosby and E. R. Henry	766,171	Aug. 2	31	6	111	1049
Graves. Means for covering and decorating	W. Temblett and F. McCoy	771,509	Oct. 4	573	129	112	1081
Gravity. Apparatus for ascertaining the acceleration due to	P. G. W. Keller	751,517	Feb. 9	1349	308	108	1365
Gravity-gate. Automatic	G. P. Kidd	772,417	Oct. 18	2441	535	112	1524
Gravity-incline machine	H. C. O'Brien	768,235	Aug. 23	4298	905	111	2047
Gravity-lock	P. V. Simmonds	751,954	Feb. 9	2190	491	108	1545
Grease-cup	F. H. Bogart	775,097	Nov. 22	4403	929	113	1047
Grease-cup	F. Soler	776,953	Dec. 6	986	212	113	1644
Grease-trap	F. H. Paradise	771,927	Oct. 11	1423	324	112	1277
Greenhouse-frame	H. Simpson	749,972	Jan. 19	2876	615	108	676
Grinding or other glazed structure	W. J. Wethered	757,980	Apr. 19	3585	766	110	2134
Grenade. Hand	S. S. Connor	760,514	May 24	4030	827	110	957
Griddle and turner. Pancake	W. A. Saunders	764,282	July 5	974	197	111	216
Gridiron	J. F. Shiffert	764,686	July 12	1628	333	111	372
Grillwork	C. W. Smith	769,719	Sept. 13	1111	238	112	269
Grinder. Corn	M. H. Hatfield	758,068	Apr. 26	3727	810	109	2192
Grinder. Feed	J. A. Engel	751,488	Feb. 9	1300	297	108	1354
Grinder. Harrow-disk	F. P. Burkhardt	756,827	Apr. 12	1226	274	109	1622
Grinder. Lathe-center	H. C. Barnes	773,846	Nov. 1	608	129	113	140
Grinder. Roll	W. R. Webster, Jr	761,276	May 31	5389	1147	110	1266
Grinder. Sickle	F. P. Burkhardt	756,828	Apr. 12	1228	274	109	1622
Grinder. Slitter	A. Bess	766,927	Aug. 9	1662	348	111	1430
Grinder. Twist-drill	A. H. Reimann	748,651	Jan. 5	192	46	108	42
Grinder. Wet	C. J. Wexroth	763,635	June 28	3885	869	110	2265
Grinding and polishing machine	J. B. Lobet	754,578	Mar. 15	3321	724	109	760
Grinding and polishing machine	L. Schulte	762,766	June 14	2282	497	110	1949
Grinding and polishing machine	W. V. Robinson	765,198	July 19	2959	545	111	601
Grinding and polishing machine	W. V. Robinson	765,199	July 19	2961	546	111	602
Grinding apparatus	D. Cox	762,147	June 7	1020	212	110	1659
Grinding apparatus	R. L. Watson	776,973	Dec. 6	1025	220	113	1655
Grinding apparatus. Roll	G. R. Ford and B. F. Allen	750,528	Jan. 26	3918	850	108	920
Grinding apparatus. Roll	G. R. Ford and B. F. Allen	750,529	Jan. 26	3922	850	108	920
Grinding apparatus. Roll	G. R. Ford and B. F. Allen	750,530	Jan. 26	3925	851	108	921
Grinding apparatus. Roll	G. R. Ford and B. F. Allen	750,531	Jan. 26	3927	852	108	921
Grinding attachment	M. Brown	757,260	Apr. 12	2074	453	109	1801
Grinding attachment. Compound	T. B. Stephenson	751,815	Feb. 9	1921	436	108	1485
Grinding device. Disk	F. E. Wilkison	749,768	Jan. 19	2459	530	108	592
Grinding harvester-knives, &c. Machine for	M. C. Nixon	758,558	Apr. 26	4682	1010	109	2405
Grinding-machine	D. Kennedy	750,372	Jan. 26	3626	786	108	858
Grinding-machine	R. Wolf	752,500	Feb. 16	3235	721	108	1794
Grinding-machine	S. E. Dart	752,658	Feb. 23	3563	794	108	1884
Grinding-machine	G. J. and H. G. Pelstring	753,911	Mar. 8	1393	314	109	321
Grinding-machine	O. S. Walker	756,302	Apr. 5	218	45	109	1391
Grinding-machine	C. Kehr	759,112	May 3	1040	211	110	236
Grinding-machine	E. A. Doolittle	762,291	June 14	1315	281	110	1746
Grinding-machine	C. H. Norton	762,838	June 14	2434	529	110	1984
Grinding-machine	W. V. Robinson	765,197	July 19	2907	545	111	600
Grinding-machine	T. H. Symington	766,978	Aug. 9	1750	391	111	1450
Grinding-machine	V. P. Buck	767,283	Aug. 16	2387	531	111	1635
Grinding-machine	J. F. Buckley	769,207	Sept. 6	127	31	112	29
Grinding-machine	D. H. Ruckle	770,246	Sept. 13	2091	440	112	486
Grinding-machine	L. B. Benton	774,030	Nov. 1	986	207	113	223
Grinding-machine	E. Stead	774,612	Nov. 8	2055	513	113	472
Grinding-machine	D. S. Thompson	775,253	Nov. 15	3454	729	113	820
Grinding-machine	H. Kenyon	777,107	Dec. 13	1287	283	113	1729
Grinding-machine. Cutter	E. Schroeder	760,926	May 24	4673	965	110	1093
Grinding-machine. Disk	O. Parpart	760,989	May 24	4590	979	110	1077
Grinding-machine. Drill	J. Grassmann	751,198	Feb. 2	771	176	108	1232
Grinding-machine for railway hand-cars. Tool	C. H. Norton	758,833	May 3	503	101	110	121
Grinding-machine spout	C. H. Norton	775,708	Nov. 22	4421	933	113	1051
Grinding-machine. Twist-drill	C. A. Chandler	750,809	Feb. 2	45	9	108	1067
Grinding-machine. Twist-drill	C. A. Chandler	768,032	Aug. 23	3850	806	111	1946
Grinding-machine work-rest	A. B. Landis	771,079	Sept. 27	3737	787	112	889
Grinding-machines. Apparatus for feeding abrasive material to	I. Flexner	748,855	Jan. 5	571	130	108	128
Grinding-mill	A. J. Robinson	750,701	Jan. 26	4235	919	108	985
Grinding-mill	A. J. Robinson	750,895	Feb. 2	21	49, 50	108	1106

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Grinding-mill	W. C. Deards, W. E. Copenhaver, and D. L. Adelsperger	757,097	Apr. 12	1763	383	109	1734
Grinding-mill	G. C. Prenzel	760,481	May 24	3762	797	110	897
Grinding-mill	F. Mueller	760,907	May 24	4638	988	110	1087
Grinding-mill	T. L. and T. J. Sturtevant	761,333	May 31	5502	1172	110	1290
Grinding-mill	A. H. Patch	764,471	July 5	518	62	111	70
Grinding-mill	L. E. Glessner	777,410	Dec. 13	1851	400	113	1853
Grinding-mill. Ball	M. J. Davidsen	772,639	Oct. 18	2994	657	112	1643
Grinding-mill. Ear-core	J. Jorgensen	766,699	Aug. 2	1152	239	111	1297
Grinding-mill face-plate	O. Carr	772,462	Oct. 18	2876	643	112	1181
Grinding-mower-knife sections. Device for	F. Rohach	761,495	May 31	5614	1202	110	1323
Grinding or crushing apparatus	T. Breakall	753,537	Mar. 1	630	140	109	135
Grinding or polishing machine	C. F. and C. H. J. Dilg	758,828	May 3	496	99	110	119
Grinding or polishing machine	W. V. Robinson	764,151	July 5	474	98, 94	111	103
Grinding or polishing machine	M. Setter	765,105	July 12	2442	509	111	547
Grinding or polishing tool	N. W. Fletcher	765,421	July 19	3039	636	111	694
Grinding or sharpening device	I. M. Rose	757,843	Apr. 19	3268	708	109	2074
Grinding picker-cylinder teeth. Machine for	J. K. Proctor	777,537	Dec. 13	2098	462	113	1905
Grindstone-fixture	T. P. Ellis	763,469	June 28	3692	796	110	2303
Grindstone-hanger	M. Delgoff	768,805	Aug. 30	5671	1192	111	2374
Grindstone-tool-holder	S. L. Derby	774,134	Nov. 1	1178	251	113	266
Grindstone-truing machine. Rotary	C. W. Howland	769,945	Sept. 13	1543	329	112	365
Grindstone-wetting device	E. A. Bostrom	774,864	Nov. 15	2612	560	113	618
Grip fastener. Multiple	H. A. Meyercood	757,944	Apr. 19	3455	748	109	2116
Grip for exercising purposes. Spring	A. E. Terry	770,396	Sept. 20	2900	483	112	555
Grip. Telescopic	F. H. McGowan	764,144	July 5	463	91	111	100
Grip-wheel	H. F. Ong	752,997	Feb. 23	4244	945	108	2037
Gripper and gripper-bar	H. F. Rubey	759,395	May 10	1676	339	110	400
Gripping device	F. H. Lamb	758,260	Apr. 26	4089	885	109	2373
Gripping device	P. E. and P. B. Shree	765,046	July 19	3230	484	111	524
Grist-mill	S. L. Shelby	754,003	Mar. 15	3361	735	109	768
Grocery-bin	J. Strine, Sr.	776,812	Dec. 6	700	155	113	1581
Groove-cutter	J. Barnes	749,603	Jan. 12	2148	448	108	503
Grooving-machine	O. Boehm	757,084	Apr. 12	1732	376	109	1727
Ground-detector. Three-phase	P. MacGahan	770,865	Sept. 27	3307	698	112	795
Ground joint	B. Whitaker	757,376	Apr. 12	2325	508	109	1854
Ground-wire attachment	W. J. Bishop	759,414	May 10	1713	347	110	408
Guard-board	J. L. Gallech	767,933	Aug. 16	3603	762	111	1873
Guard. Safety	W. K. Page	768,480	Aug. 23	4798	1005	111	2163
Gudgeon	O. Olson	777,264	Dec. 13	1567	350	113	1790
Guide-roller	W. H. Stobie	753,753	Mar. 1	1028	233	109	221
Guide-wheel	A. H. Halladay	754,473	Mar. 15	2539	554	109	591
Guitar attachment	L. P. Stollady	758,912	May 3	467	134	110	137
Guitar-zither. Accompaniment	M. Kolander	770,864	Sept. 27	3305	698	112	794
Gum-extracting apparatus	W. A. Lawrence	760,459	May 24	3724	788	110	888
Gun	F. Novotny	754,599	Mar. 15	2781	606	109	641
Gun. Air	W. R. Benjamin	749,519	Jan. 12	3066	417	108	469
Gun. Air	W. J. Burrows	765,370	July 19	2737	570	111	629
Gun and insect-destroyer. Liquid-shooting	J. W. Dickson and N. J. Carson	753,127	Feb. 23	4480	967	108	2069
Gun. Automatic	C. Petersen	754,691	Mar. 15	2966	647	109	681
Gun. Automatic	A. T. Dawson and L. Silverman	772,700	Oct. 18	2996	685	112	1643
Gun-barrel	W. Rost	749,402	Jan. 12	1746	369	108	416
Gun-barrel sight	D. H. Holman	755,665	Mar. 29	4762	1060	109	1103
Gun. Breech-loading breakdown	H. H. Fox	767,557	Aug. 16	2891	604	111	1718
Gun carriage. Disappearing	F. Rausenberger	769,636	Sept. 6	947	205	112	215
Gun carriage or mounting	G. Ehrhardt	751,840	Feb. 9	1968	447	108	1495
Gun-carriage wheel-brake	O. Lauber and N. Koch	770,178	Sept. 13	1952	416	112	455
Gun carriages. Elevating and traversing gear for field	F. G. Hughes	770,965	Sept. 27	3508	739	112	842
Gun. Electromagnetic	K. Birkeland	754,637	Mar. 15	2850	633	109	655
Gun-firing mechanism. Ship's	L. J. Mautner	752,460	Feb. 16	3159	704	108	1778
Gun-loading appliance	C. P. E. Schneider	770,320	Sept. 20	2369	477	112	548
Gun-lock set-trigger	D. Brown	771,806	Oct. 11	1163	478	112	1222
Gun locking-block. Automatic	T. C. Johnson	760,871	May 24	4561	972	110	1070
Gun. Machine	F. Kober	771,019	Sept. 27	3619	761	112	864
Gun Magazine	C. H. Snow	752,932	Feb. 23	4111	915	108	2007
Gun or firearm	F. Tobisch	749,341	Jan. 12	1620	343	108	390
Gun. Pivot	J. Krone	757,129	Apr. 12	1840	402	109	1751
Gun recoil-brake	K. Völler	755,418	Mar. 22	4304	951	109	989
Gun recoil-spring apparatus	H. Schröder	751,274	Feb. 9	2032	460	108	1510
Gun rifle attachment. Shot	W. Smith	773,998	Nov. 1	933	193	113	212
Gun safety attachment	W. M. Bethune	772,495	Oct. 18	2610	575	112	1560
Gun-shell-ejector mechanism	F. Novotny	754,598	Mar. 15	2778	606	109	640
Gun-sight	H. C. Eby	752,962	Feb. 23	4180	932	108	2022
Gun-sight	J. F. Meigs and H. G. Jakobsson	753,505	Mar. 1	528	123	109	116
Gun-sight	A. M. Andrews	763,348	June 28	3420	124	110	2241
Gun-sight	J. Kurig	769,617	Sept. 6	911	197	112	307

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Gun sight. Shot-	P. O. Elterich	754,920	Mar. 15	8390	741	109	775
Gun. Single-trigger double-barrel	H. A. A. Thorn	770,404	Sept. 20	2412	509	112	579
Gun. Spring	R. Braun	768,028	Aug. 23	3845	804	111	1945
Gun. Spring air	M. F. Stanley	767,968	Aug. 16	3084	777	111	1890
Gun. Squirt	M. A. Heumann	730,853	Feb. 2	140	332	108	1088
Gun. Take-down	M. Hepburn	755,660	Mar. 29	4751	1058	109	1100
Gun-training device	S. N. McClean	772,248	Oct. 11	2103	460	112	1427
Gun. Trap	I. N. Thomas	760,274	May 17	3371	709	110	793
Gun with protecting shield offset from the trunnions. Transportable	O. Lauber	764,477	July 5	1159	336	111	256
Gun with special devices for protecting the slide-tracks from dust. Recoil-	O. Lauber	756,120	Mar. 29	5670	1251	109	1305
Gun with special devices for protecting the slide-tracks from dust. Recoil-	O. Lauber	756,172	Mar. 29	5749	1270	109	1322
Guns. Alkaline lubricant for oiling	J. G. Wild	768,835	Aug. 30	5552	80	111	2946
Guns. Auxiliary barrel for breech-loading	V. C. Tasker	757,790	Apr. 19	8174	689	109	2055
Guns. Cartridge-ejector for breakdown	O. W. Ringqvist	754,062	Mar. 8	1745	388	109	400
Guns. Explosive shell for rifled	A. H. Emery	772,346	Oct. 18	2302	505	112	1494
Guns. Firing mechanism for breech-loading	J. F. Meigs and S. A. S. Hammar	755,514	Mar. 23	4465	992	109	1022
Guns. Fluid-brake for	A. Resow and O. Lauber	751,694	Feb. 9	1658	876	108	1429
Guns. Fluid-brake for recoil	E. K. Rothe	754,896	Mar. 15	3352	732	109	766
Guns. Hinge-pin for breakdown	O. F. Mossberg	754,040	Mar. 8	1709	380	109	392
Guns. Means for controlling the recoil of	S. N. McClean	749,215	Jan. 12	1369	293	108	335
Guns. Shield-mounting for quick-firing	J. A. Wilson	774,223	Nov. 8	1340	286	113	319
Guns. Single trigger for double	J. J. Murphy	777,688	Dec. 20	2404	528	113	1986
Guns. Single-trigger mechanism for double-barrel	S. S. Leach	772,509	Oct. 18	3209	699	112	1689
Guns. Single-trigger mechanism for double-barrel	J. C. Broyles	778,629	Dec. 27	4298	938	113	2402
Guns. Single-trigger mechanism for drop-down	J. Robertson	756,896	Apr. 12	1363	303	109	1649
Gunner's arm-rest	J. E. Cover	759,593	May 10	2050	419	110	482
Gunnery-correcting device. Automatic	E. W. Hubbard	777,508	Dec. 13	2040	449	113	1893
Gutter-cleaner	M. C. Cowles	777,604	Dec. 13	2254	496	113	1937
Guy-wire anchor	B. Wilbur	761,277	May 31	5391	1147	110	1266
Gymnastic apparatus	J. B. Chavez	774,738	Nov. 15	2345	508	113	558
Gypsum. Manufacture of compositions from calcined	L. Mack	776,076	Nov. 29	5149	800	113	1229
Hackling-machine	E. C. Crepy and L. Fremaux	778,351	Dec. 27	3752	817	113	2283
Hackling-machine for flax, &c	R. H. S. Reade, J. G. Crawford, and A. McKibbin.	775,352	Nov. 22	3657	774	113	884
Hair-clamp	W. J. Koenig	757,304	Apr. 12	1979	431	109	1782
Hair-crimper	J. F. Martin	753,416	Mar. 1	374	88	109	82
Hair-crimper	H. C. Adams	776,636	Dec. 6	340	73	113	1508
Hair-dressing device	J. T. Wilcox	754,949	Mar. 15	2461	758	109	791
Hair-dressing rat	A. Cohn	768,588	Aug. 30	5046	1038	111	2234
Hair-drier	F. S. Emmons	756,842	Apr. 12	1253	279	109	1628
Hair-drier	L. Cuvelier	761,451	May 31	5722	1219	110	1342
Hair-drier	D. J. Buckley	763,717	June 28	4159	907	110	2403
Hair-drier	S. Hudson	765,894	July 26	3996	853	111	509
Hair-drying apparatus	J. J. Nutt	768,907	Aug. 30	5691	1197	111	2379
Hair-drying device	L. Swain	768,967	Aug. 30	5812	1221	111	2407
Hair-holding device	J. Dongille	768,658	Aug. 30	5187	1090	111	2265
Hair-parting device	F. H. Wood	754,182	Mar. 8	1900	423	109	436
Hair-pin	A. Bowers	759,579	Jan. 20	4026	870	108	940
Hair-pin	H. Stier	756,438	Apr. 5	474	98	109	1443
Hair-pin	L. Ousey	756,691	Apr. 5	949	209	109	1545
Hair-pin	G. H. Bigelow	762,122	June 7	970	201	110	1647
Hair-pin	C. E. Koehl	767,112	Aug. 9	2019	420	111	1509
Hair-pin	O. Hennig	772,881	Oct. 18	3316	729	112	1720
Hair-pin. Safety	W. F. Zwick	757,426	Feb. 2	1195	372	108	1311
Hair-pins. Apparatus for making	D. H. Hayward	753,070	Feb. 23	4383	975	108	2069
Hair-restorative	V. F. Beede	766,984	Aug. 9	1763	811	111	1452
Hair-retainer	W. S. Bechtold	758,953	May 3	749	149	110	174
Hair-retainer	E. J. Daughters	763,597	June 28	3914	851	110	2350
Hair-springs to time. Apparatus for vibrating	G. V. Neal	766,722	Aug. 2	1199	233	111	1307
Hair-waver	A. Dreßs	756,838	Apr. 12	1245	278	109	1626
Hair-waving device	M. S. McIntire	762,346	June 7	1196	357	110	1699
Halo-tertiary-butyl alcohol. Making	J. P. Bonnet	754,364	Mar. 8	2206	501	109	519
Halogen-tertiary-butyl alcohol. Making	T. B. Aldrich	761,188	May 31	5208	1107	110	1227
Halogen-tertiary-butyl alcohol. Making	T. B. Aldrich	761,189	May 31	5211	1100	110	1228
Halogen-tertiary-butyl alcohol. Making	T. B. Aldrich and C. P. Beckwith	777,712	Dec. 20	2450	538	113	1996
Halter	H. Spohn	778,511	Dec. 27	4074	888	113	2354
Halter and bridle	C. Severns	770,063	Sept. 20	3916	618	112	680
Halter and wearer. Combined	C. J. Lord and G. A. Browning	770,068	Sept. 20	3955	628	112	701
Ham-branding apparatus	S. M. Bing	762,679	Jan. 14	2665	455	110	1913
Ham	W. H. Carr	750,598	Jan. 26	4060	879	108	948
Ham	I. Larsen	772,314	Oct. 11	2325	487	112	1455
Ham	E. G. Armstrong	772,323	Oct. 11	2341	491	112	1459
Ham and trace connector	R. A. Klappauf, C. Weinzaepfen, and A. Kiber.	753,894	Mar. 29	5238	1158	109	1212
Ham and trace connector	R. A. Klappauf, C. Weinzaepfen, and A. Kiber.	767,758	Aug. 16	3250	684	111	1799
Ham-fastener	O. L. Corbett	761,209	May 31	5250	1113	110	1236
Ham-fastener	S. T. Mariette	766,051	July 5	2205	929	111	974
Ham-fastener	J. H. Wilson	770,209	Sept. 13	2022	426	112	471
Ham-fastener	J. H. Parmelee	776,029	Nov. 29	5067	1069	113	1211
Ham. Horse-collar extensible	J. H. Winterowd	774,141	Nov. 1	1192	254	113	289
Hammer	J. A. Thomas	757,071	Apr. 12	1708	371	109	1721
Hammer	G. H. Rowe	759,019	May 3	859	174	110	197

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Hammer	P. Scholtes	759,556	May 10 1977			404	110 468
Hammer	A. G. Witmer	778,093	Dec. 20 1927			711	113 2155
Hammer and rock-drill. Power-	J. Kraus	749,996	Jan. 19 1928			685	108 688
Hammer. Chain-maker's power-	W. N. Appleton	749,919	Jan. 19 1928			686	108 651
Hammer. Claw	E. A. Ashland	752,879	Feb. 23 1928			892	108 1978
Hammer controlling mechanism. Drop-	H. J. Hinde	766,950	Aug. 9 1903			356	111 1440
Hammer. Drop-	H. M. Simonson	761,923	June 7 1923			125	110 1577
Hammer. Duplex power-	W. W. Word	766,861	Aug. 9 1918			317	111 1397
Hammer. Electric	J. Chambers and C. L. Cole	766,810	Aug. 9 1918			295	111 1375
Hammer. Electric	A. F. Christmas	773,122	Oct. 25 1928			843	112 1883
Hammer. Electric	A. F. Christmas	773,124	Oct. 25 1928			844	112 1884
Hammer. Electric	W. F. Wagner	778,206	Dec. 20 1928			758	113 2200
Hammer. Glazier's	J. S. Hovland	752,454	Feb. 16 1912			702	108 1777
Hammer nail-holding attachment.	E. H. Platner	759,019	May 3 1925			172	110 195
Hammer or sledge	G. Carlsen	755,355	Mar. 22 1910			926	109 964
Hammer. Pneumatic	C. A. Speer and E. C. Bowman	749,808	Jan. 19 1928			545	108 609
Hammer. Pneumatic	F. K. Fassett	750,836	Feb. 2 1907			25	108 1081
Hammer. Pneumatic	E. Gunnell	751,072	Feb. 2 1908			33	108 1176
Hammer. Pneumatic	C. H. Shaw	753,438	Mar. 1 1913			91	109 90
Hammer. Pneumatic	E. Gunnell	756,357	Apr. 5 1932			69	109 1415
Hammer. Pneumatic	W. L. Ketchen and H. F. Adams	771,554	Oct. 4 1910			150	112 1101
Hammer. Pneumatic	C. J. Smith	775,784	Nov. 22 1928			967	113 1081
Hammer. Pneumatic	C. J. Smith	775,863	Nov. 22 1928			997	113 1111
Hammer. Pneumatic	M. Maximilian	776,971	Dec. 6 1907			91	113 1518
Hammer. Pneumatic	L. J. Clossey	777,368	Dec. 13 1923			394	113 1834
Hammer. Pneumatic hand-	A. T. F. Nehls	755,381	Mar. 22 1923			938	109 976
Hammer. Power-	A. Groenin	750,359	Jan. 26 1905			781	108 853
Hammer. Power-	A. A. Koch	751,529	Feb. 9 1917			310	108 1866
Hammer. Power-	J. H. Norquist	753,618	Mar. 1 1922			169	109 165
Hammer. Power-	H. W. Hathorn	758,361	Apr. 26 1923			924	109 2320
Hammer. Power-	C. Leonhardt	765,020	July 12 1928			474	111 514
Hammer. Power-	T. H. Griffiths	773,735	Nov. 1 1933			85	113 91
Hammer. Power-	J. D. Seibert	774,791	Nov. 15 1925			529	113 583
Hammer. Self-feeding	J. W. Thompson	764,216	July 5 1932			128	111 140
Hammer. Steam-	C. E. Billin	754,636	Mar. 15 1928			632	109 655
Hammer throttle-valve mechanism. Pneumatic-	C. H. Haeseler	768,898	Aug. 30 1913			1193	111 2375
Hammock	I. E. Palmer	751,102	Feb. 2 1907			136	108 1185
Hammock	R. C. Furst	751,977	Feb. 9 1908			474	108 1526
Hammock	I. E. Palmer	756,520	Apr. 5 1946			139	109 1478
Hammock	T. J. Conway	759,240	May 10 1933			272	110 330
Hammock	R. C. Funke	773,371	Oct. 25 1936			927	112 1973
Hammock and hammock-chair. Convertible.	H. A. Randall	777,919	Dec. 20 1925			639	113 2087
Hammock frame or support.	W. C. Poles	774,372	Nov. 8 1927			305	113 383
Hammock-stand. Folding	G. F. Allen	757,423	Apr. 19 1923			331	109 1893
Hammock-support	G. B. Meinvieler	756,672	Apr. 5 1914			200	109 1539
Hammock-support tripod	W. J. Noble	769,913	Sept. 13 1923			315	112 349
Hammock-swing	W. H. Frampton	766,818	Aug. 9 1932			299	111 1378
Hammock. Swinging	M. N. Wertz and J. J. Parnell	751,125	Feb. 2 1907			145	108 1193
Hand. Artificial	E. T. Forrester	759,169	May 3 1923			231	110 263
Hand-brake	H. B. Vickers	775,713	Nov. 22 1923			937	113 1054
Hand-covering	J. I. Brorby	770,670	Sept. 20 1921			620	112 693
Hand-glass or similar toilet article	L. Van Gale	765,446	July 19 1910			3100	111 707
Hand-press	J. F. Helmsold	748,947	Jan. 5 1916			165	108 173
Hand-wheel	E. H. Metcalf	751,533	Feb. 9 1917			314	108 1370
Handcuff	H. G. Judd	766,263	Aug. 2 1924			49	111 1096
Handcuff	F. Maltby	772,468	Oct. 18 1925			561	112 1548
Handkerchief	W. S. Weed	751,033	Feb. 2 1907			464	108 1160
Handle:							
See Bag-handle. Non-conducting handle.							
Bag-frame handle. Pick-handle.							
Bag or case handle. Plane-handle.							
Basket-handle. Sad-iron handle.							
Box-handle. Saw-handle.							
Box-handle. Stamp-handle.							
Brake-handle. Switch-handle.							
Brush-handle. Tool-handle.							
Carpenter's-brace handle. Trowel-handle.							
Casket-handle. Trunk-handle.							
Clamp-handle. Umbrella-handle.							
Crank-handle. Vessel-handle.							
Detachable handle. Washboiler-handle.							
Fare-register-rod-operating handle.							
Handle	W. N. Lewis	749,869	Jan. 19 1927			572	108 632
Handle	E. F. Smith	758,482	Apr. 26 1926			972	109 2371
Handle	J. M. Parmenter and G. C. Kohler	763,627	June 25 1926			863	110 2361
Handle	E. Burns	765,125	July 12 1927			517	111 554
Handle	H. F. Keil	765,737	July 26 1926			788	111 844
Handle and socket	R. D. Gallagher, Sr.	760,331	May 17 1940			732	110 817
Handle attachment	W. Chambers	775,326	Nov. 15 1924			730	113 811
Handle attachment for demijohns, &c.	H. S. Puterbaugh and W. H. Kressler	751,009	Feb. 2 1907			421	108 1150
Handle-bar	R. F. Monahan	777,385	Dec. 13 1915			402	113 1844
Handle-bar. Spring	J. H. Dunstford	775,573	Dec. 27 1915			912	113 2377
Handle end piece and loop.	T. J. Moore	778,060	Dec. 20 1927			699	113 2143
Handle-fastening	M. F. Mohr	762,924	June 21 1927			567	110 2045
Handle-fastening for suit-cases, &c.	F. H. White	773,895	Nov. 1 1917			125	113 182
Handling material. Machine for	R. B. Friend	756,951	Apr. 12 1926			324	109 1671

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &.	Vol.	Page.
Hanger:							
See Apparel-hanger.	Ladder-hanger.						
Cable-hanger.	Lamp-hanger.						
Carcass-hanger.	Paper-hanger.						
Clothes-hanger.	Picture-hanger.						
Clothes-line hanger.	Pipe-hanger.						
Coat and hat hanger.	Pot-hanger.						
Conductor-hanger.	Scaffold-bracket hanger.						
Curtain-hanger.	Screen-hanger.						
Display-hanger.	Shade-hanger.						
Door-hanger.	Shade-roller hanger.						
Dress-hanger.	Shaft-hanger.						
Eaves-trough hang- er.	Shaker-hanger.						
Electric-light hang- er.	Skirt-hanger.						
Extension-hanger.	Traveling hanger.						
Garment-hanger.	Trolley-hanger.						
Grindstone-hanger.	Trolley-wire hanger.						
Insulated hanger.	Trousers-hanger.						
Joist-hanger.	Vehicle-body hanger.						
	Window-screen hanger.						
Hanger.	G. Nissensohn	752,996	Feb. 23	4243	945	108	2086
Hanger.	E. Flagler	754,367	Mar. 8	3299	502	109	519
Hanger and track therefor	H. L. Ferris	753,481	Mar. 1	481	112	109	105
Hanger-box	M. H. Dette	751,838	Feb. 9	1965	446	108	1494
Hanger or suspension-frame	W. L. E. Keuffel	773,017	Oct. 25	3624	783	112	1798
Hanging basket and pot.	F. Neidl	754,683	Mar. 15	2947	643	109	676
Hanging-machine. Burlesque	J. J. Duffie	765,170	July 19	2562	335	111	581
Hansom-cab front light.	P. Forder	765,467	July 19	3158	660 661	111	718
Harmonica-holder	O. T. Knode	753,713	Mar. 1	960	217	109	207
Harmonica. Mouth.	M. Messner	752,325	Feb. 16	2847	632	108	1711
Harness	J. L. Haller and G. L. Baker	749,054	Jan. 5	1018	215	108	235
Harness	B. F. Baker	751,773	Feb. 9	1829	416	108	1463
Harness	F. J. Schenk	757,642	Apr. 19	2886	628	109	1992
Harness	B. A. Dunkle	769,066	Aug. 30	6015	1260	111	2450
Harness attachment.	F. W. Atwell	760,171	May 17	3136	669	110	754
Harness attachment.	J. R. Wilson	760,206	May 24	3814	809	110	910
Harness attachment.	A. Arter	777,325	Dec. 13	1687	373	113	1817
Harness-bit attachment	R. Matthies	773,083	Oct. 25	3836	819	112	1848
Harness, &c. Connecting means for	W. S. Humphreys, Jr	762,722	June 14	3205	479	110	1934
Harness draft attachment.	J. Cruthers	755,459	Mar. 23	4381	970	109	1004
Harness draft attachment.	J. Edoel	758,014	May 3	10	2	110	5
Harness-fastener.	E. Cornitus	757,373	Apr. 12	2098	457	109	1806
Harness-hook	B. H. Wilson	758,124	Apr. 26	3827	831	109	2216
Harness-hook	H. M. Eldridge	766,140	July 26	4473	960	111	1014
Harness-pad	C. W. Miller	771,655	Oct. 4	858	132	112	1143
Harness-plume	A. Rutherford	763,904	Sept. 13	1975	419	112	460
Harness-rack	C. H. Mustgrove.	754,483	Mar. 15	2560	557	109	595
Harness-ring	C. F. Reynolds	769,185	Sept. 6	90	23	112	21
Harness-terret	J. G. Way	754,177	Mar. 8	1882	422	109	434
Harness-tree	R. Miller	755,304	Mar. 22	4082	908	109	940
Harness-tree seat	B. Miller	763,904	July 5	139	33	111	37
Harp	T. J. Hissem	757,462	Apr. 19	2505	557	109	1906
Harp-holder.	C. F. Sutter	769,509	Sept. 6	729	157	112	165
Harrow	H. A. Brixen	748,837	Jan. 5	533	123 122	108	121
Harrow	B. F. Brakebill	749,158	Jan. 12	1232	264	108	302
Harrow	H. J. Metz	750,473	Jan. 26	3810	828	108	898
Harrow	S. H. Wooster	751,768	Feb. 9	1819	415	108	1461
Harrow	J. W. and C. D. Kerr	755,139	Mar. 22	3786	894	109	880
Harrow	H. M. Love	756,254	Apr. 5	119	25	109	1367
Harrow	H. M. Love	756,255	Apr. 5	123	25	109	1369
Harrow	J. Knoop	761,972	June 7	705	144	110	1593
Harrow	J. F. Cross	762,388	June 14	1489	325	110	1782
Harrow	C. Lindquist	765,021	July 12	2279	474 475	111	514
Harrow	L. B. Jones and I. Mansfield.	765,283	July 19	2760	876	111	634
Harrow	G. W. Hoyle	767,890	Aug. 6	3523	746	111	1857
Harrow	T. G. Davis	768,358	Aug. 23	4529	953	111	2095
Harrow	S. M. Ford	769,260	Sept. 6	242	56	112	52
Harrow	H. J. Case	771,531	Oct. 4	625	139	112	1022
Harrow	W. P. McCain	772,529	Oct. 18	2665	585	112	1572
Harrow. Adjustable A.	E. H. Cheever	756,195	Mar. 29	5781	1277	109	1328
Harrow and cultivator.	L. J. Knight	762,173	June 7	1059	1223	110	1668
Harrow and planter. Combined	C. A. Johnson	767,240	Aug. 9	2338	224	111	1576
Harrow attachment	N. Paulsen	773,890	Nov. 1	714	151 152	113	164
Harrow brace. Side.	W. A. Taylor	761,725	June 7	207	39	110	1484
Harrow. Disk	P. H. McVicar	752,245	Feb. 16	2737	607	108	1687
Harrow. Disk	S. V. Kennedy and C. S. Sharp	760,742	July 24	4315	916	110	1017
Harrow. Disk	H. M. Cossey	765,358	Sept. 26	4109	878	111	935
Harrow. Disk	G. Smith	770,328	Sept. 20	2290	481	112	523
Harrow. Disk	W. Sobey	775,283	Nov. 15	3506	739	113	831
Harrow-jack	N. W. Thompson	754,174	Mar. 8	1885	420	109	433
Harrow or cultivator	O. C. Cutter	760,557	May 24	3856	818	110	921
Harrow or cultivator	H. U. Wakefield.	770,992	Sept. 27	3554	749	112	832
Harrow or cultivator teeth.	S. V. Kennedy and C. S. Sharp	767,153	Aug. 9	2104	439	111	1527
Harrow or cultivator tooth.	J. Y. Cooper	751,262	Feb. 2	618	209	108	1252
Harrow or cultivator tooth fastener	C. H. Butts	774,108	Dec. 20	3263	716	113	2160
Harrow. Riding.	J. W. Harmon	750,370	Feb. 2	355	86	108	1126
Harrow riding and operating attachment.	J. W. Dobberpuhl, Jr	771,406	Oct. 4	462	109	112	1061
Harrow. Rotary	N. N. Graves	755,651	Mar. 29	4741	1054	109	1098
Harrow. Self-cleaning	A. Dixon	749,923	Jan. 19	2798	597	108	660
Harrow-sulky	N. Kiner	765,846	July 26	3918	836	111	892

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Harrow-tooth	J. Schweinfürth	750,495	Jan. 26	3848	835	108	906
Harrow-tooth fastener	C. M. Ripberger	749,226	Jan. 12	1388	296	108	838
Harrow-tooth fastening	J. Porteous	770,868	Sept. 27	3312	694	112	736
Harrow-tooth fast-ning	L. L. Haworth	776,394	Nov. 29	5750	1217	113	1366
Harrow truck. Disk	C. S. Sharp	760,708	May 24	4233	899	110	1000
Harrow. Wheeled.	H. Cloyd	766,326	Aug. 2	380	80, 81	111	1124
Harvester	J. C. Parker	748,782	Jan. 5	420	96	108	84
Harvester	B. Holthaus	754,926	Mar. 15	3339	743	109	777
Harvester	G. D. Luce	762,073	June 7	889	183	110	1630
Harvester	C. Hesse	763,891	June 28	4488	978	110	2473
Harvester	A. D. Reynolds	764,205	July 5	615	122	111	137
Harvester	W. N. Whitely	765,218	July 19	2643	123	111	609
Harvester	J. C. Claunch	770,263	Sept. 20	2127	447	112	511
Harvester	M. Patterson	772,820	Oct. 18	3226	703	112	1692
Harvester and binder	E. M. Kellogg	757,128	Apr. 12	1833	401	109	1749
Harvester and husker. Corn	L. E. Harding	769,744	Sept. 13	1155	402	112	280
Harvester and shocker. Corn	S. A. Bates	770,887	Sept. 27	3350	707	112	805
Harvester and thresher	L. B. Mack	768,471	Aug. 23	4776	1002	111	2159
Harvester anti-side-draft attachment.	J. C. Kuyper	765,779	July 26	3800	910	111	866
Harvester attachment. Corn or sugar-cane.	J. Dauciger	771,354	Oct. 4	271	60	112	1018
Harvester attachment for raising and saving down grain.	W. M. Wadleigh	768,447	June 28	3658	787	110	2296
Harvester. Beet	H. M. Heilig and M. H. Reed	757,190	Apr. 12	1954	497	109	1778
Harvester. Beet	H. M. Heilig and M. H. Reed	757,425	Apr. 12	2425	528	109	1875
Harvester. Beet	J. B. Struble	759,138	May 3	1080	219	110	246
Harvester. Beet	J. W. Arthur	760,412	May 24	3624	765	110	865
Harvester. Beet	H. E. Dally	762,390	June 14	4232	1013	110	1362
Harvester. Beet	I. C. Lesh	765,090	July 12	2417	503	111	541
Harvester. Beet	F. E. Dewey	778,279	Oct. 25	4317	913	112	1959
Harvester belt-adjuster	J. O. Qualley	755,315	Mar. 22	4112	908	109	945
Harvester-binder protector attachment	J. N. Buser	767,867	Aug. 16	3482	736	111	1847
Harvester-binder tension device.	J. F. Harnish	749,055	Jan. 5	1019	692	108	235
Harvester. Broom-corn	F. Sutton	767,775	Aug. 16	3282	693	111	1805
Harvester bundle-carrier. Corn	H. J. Case	760,420	May 24	3638	769	110	868
Harvester butt-adjuster	J. F. Steward	754,719	Mar. 15	3026	661	109	695
Harvester. Cane	A. O. Pessou	769,628	Sept. 6	933	202	112	212
Harvester carrier and riddle attachment. Potato.	L. C. Dowden	761,458	May 31	5729	1221	110	1343
Harvester. Clover	A. D. Miller	749,572	Jan. 12	2096	436	108	491
Harvester. Complete	J. and R. B. Morrow	768,881	Aug. 30	5645	1187	111	2368
Harvester. Corn	E. A. Johnston	749,298	Jan. 12	1530	325	108	368
Harvester. Corn	S. C. Anderson	749,831	Jan. 19	2614	558	108	619
Harvester. Corn	H. M. Burdick	749,838	Jan. 19	2625	561	108	621
Harvester. Corn	W. R. Page	750,687	Jan. 26	4214	914	108	981
Harvester. Corn	S. C. Anderson	751,367	Feb. 2	1102	249	108	1292
Harvester. Corn	A. Neer	754,491	Mar. 15	2580	560	109	599
Harvester. Corn	T. Boggs	755,210	Mar. 22	3916	866	109	905
Harvester. Corn	N. Logan and I. I. Flo	755,375	Mar. 22	4232	936	109	974
Harvester. Corn	H. L. Bennett	755,591	Mar. 22	4605	1023	109	1054
Harvester. Corn	G. W. Culp	758,738	May 3	320	63, 64	110	80
Harvester. Corn	J. F. Smith	760,654	May 24	4110	874	110	974
Harvester. Corn	L. N. Russell	762,089	June 7	911	188	110	1635
Harvester. Corn	T. Boggs. (Reissue)	12,227	June 7	1236	266	110	1708
Harvester. Corn	O. S. Ellithorp	762,518	June 14	1771	379	110	1842
Harvester. Corn	W. V. Phillips	763,424	June 28	3620	779	110	2347
Harvester. Corn	E. L. Schanck	763,569	June 28	3668	838	110	2340
Harvester. Corn	D. T. Phillips	763,630	June 28	3673	866	110	2362
Harvester, &c. Corn	E. K. Rea	765,399	July 19	2966	627	111	634
Harvester, &c. Corn	E. K. Rea	765,400	July 19	2998	627	111	685
Harvester. Corn	A. L. Brandt	765,545	July 19	3294	690	111	748
Harvester. Corn	M. Kane and F. P. Burkhardt	767,347	Aug. 6	2456	551	111	1603
Harvester. Corn	R. B. White	769,578	Sept. 6	348	182	112	192
Harvester. Corn	B. R. Benjamin and J. W. Pridmore.	772,452	Oct. 18	2510	551	112	1539
Harvester. Corn	D. Binns	775,964	Nov. 29	4934	1042	113	1179
Harvester. Cotton	N. Bowditch	761,140	May 31	5122	1087	110	1208
Harvester. Cotton	T. H. Price	770,653	Sept. 20	2882	613	112	688
Harvester. Cotton	A. Campbell	777,595	Dec. 13	2232	490	113	1934
Harvester counting mechanism. Grain	J. Nicht	778,426	Dec. 27	3907	850	113	2319
Harvester crop gathering and discharging attachment.	W. N. Whitely	760,504	May 24	3809	808	110	908
Harvester-cutter	T. S. Brown	750,943	Feb. 2	311	73	108	1126
Harvester cutting apparatus	W. R. Clarkson	761,359	May 31	5562	1184	110	1306

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Harvester divider attachment.....	C. A. A. Rand.....	766,901	Aug. 9	1599	336	111	1415
Harvester-elevator.....	E. A. Johnston.....	770,292	Sept. 20	2217	1463	112	535
Harvester elevator, Grain.....	G. W. Beam.....	755,838	Mar. 29	5131	1135	109	1189
Harvester, Grain.....	E. M. Kellogg.....	737,126	Apr. 12	1823	400	109	1745
Harvester, Grain-binding.....	R. L. Parsons.....	754,009	Mar. 8	1578	333	109	364
Harvester grain-carrier.....	H. W. Lampe and J. Hummel.....	767,416	Aug. 16	2597	547	111	1651
Harvester grain-deck.....	A. Reinhardt.....	754,609	Mar. 15	2795	609	109	644
Harvester grain-livider.....	S. V. Kennedy and C. S. Sharp.....	760,743	May 24	4317	916	110	1017
Harvester grain-livider.....	S. V. Kennedy and C. S. Sharp.....	760,744	May 24	4319	916	110	1018
Harvester grain-guide.....	W. Glaze.....	749,375	Jan. 12	1693	360	108	405
Harvester headboard.....	J. F. Steward.....	754,718	Mar. 15	3025	661	109	695
Harvester headboard, Grain.....	C. Doering.....	767,396	Aug. 16	2562	538	111	1643
Harvester, Pea.....	H. J. Case.....	769,937	Sept. 13	1529	326	112	362
Harvester-reel.....	G. J. Friend and E. L. Bolton.....	758,241	Apr. 26	4045	878	109	2923
Harvester-reel.....	G. L. Englund.....	762,801	June 21	2546	552	110	2029
Harvester-reel support.....	J. W. Fildmore.....	766,900	Aug. 9	1598	326	111	1415
Harvester-reel support.....	W. J. Berkeley.....	773,913	Nov. 1	769	160	113	177
Harvester sickle and cutter-bar.....	J. D., W. J., and W. J. Teeters.....	762,104	June 7	937	194	110	1641
Harvester, Sidehill.....	A. W. Severance.....	751,111	Feb. 2	599	138	108	1188
Harvester throat-adjusting device, Corn.....	E. A. Johnston.....	770,536	Sept. 20	2650	560	112	631
Harvester tongue-support and side-draft check, Grain or grass.....	C. F. Ortman.....	750,116	Jan. 19	3151	677	108	733
Harvester tongue-truck.....	E. A. Johnston.....	754,568	Mar. 15	2723	592	109	629
Harvester tongue-truck.....	S. K. Dennis.....	760,107	May 17	3057	639	110	723
Harvester tongue-truck.....	E. A. Johnston.....	763,403	June 28	3562	768	110	2276
Harvester topper and stripper, Cane.....	G. D. Luce.....	754,788	Mar. 15	3157	687	109	723
Harvester, Traveling.....	F. S. Holley.....	763,585	June 14	1915	413	110	1872
Harvester, Traveling.....	J. Threwey.....	769,965	Sept. 13	1574	336	112	371
Harvester, Traveling.....	D. Best.....	776,167	Nov. 29	5322	1126	113	1269
Harvester twine-holder and tension device.....	F. A. Bickett.....	750,574	Jan. 26	4016	868	108	938
Harvester weight sustaining and adjusting means.....	M. A. Grove.....	774,173	Nov. 8	1253	266	113	300
Harvester wind-flag.....	D. W. Smith.....	766,908	Aug. 9	1614	339	111	1419
Harvesters and threshers, Platform attachment for combined.....	W. A. Williams.....	759,738	May 10	2322	485	110	542
Harvesting, binding, and shocking machine, Corn.....	D. T. Phillips.....	763,629	June 28	3969	864	110	2361
Harvesting-machine.....	F. P. Tipton.....	751,122	Feb. 2	619	143	108	1192
Harvesting-machine.....	E. J. Wang.....	763,768	Mar. 1	1057	242	109	527
Harvesting-machine.....	E. A. Peck.....	765,253	July 19	2701	563	111	621
Harvesting-machine.....	A. Castelin.....	767,795	Aug. 16	3319	701	111	1814
Harvesting-machine.....	R. Holland.....	769,344	Sept. 6	413	702	112	90
Harvesting-machine.....	J. A. Carlson.....	769,468	Sept. 6	652	139	112	149
Harvesting-machine.....	C. Eyster.....	769,471	Sept. 6	661	142	112	150
Harvesting-machine.....	W. N. Whitely.....	772,486	Oct. 18	2593	570	112	1557
Harvesting machine, Beet.....	C. C. Irving.....	755,010	Mar. 22	3566	731	109	830
Harvesting machine, Beet.....	L. L. Wilson.....	766,193	June 28	4448	782	111	1007
Harvesting machine, Corn.....	C. E. Clouse.....	767,078	Dec. 13	1236	272	113	1718
Harvesting-machine divider.....	G. Wilson.....	757,587	Apr. 19	2770	606	109	1966
Harvesting machine, Grain.....	W. N. Whitely.....	757,001	Apr. 12	1569	343	109	1692
Harvesting-machine grain-elevating device.....	A. Castelin.....	763,854	June 28	4422	344	110	2458
Harvesting-machine grain-lifting attachment.....	M. Kane.....	771,552	Oct. 4	668	149	112	1101
Harvesting potatoes or the like, Machine for.....	C. F. Grohmann.....	750,029	Jan. 19	2994	641	108	701
Hasp-lock.....	W. U. Colthart.....	751,148	Feb. 2	669	154	108	1202
Hasp-lock.....	A. T. Kingsley.....	765,283	July 19	2796	577	111	635
Hasp-lock.....	A. T. Kingsley.....	766,148	July 26	4503	963	111	1019
Hasp-lock.....	J. Davy.....	771,814	Oct. 11	1174	262	112	1294
Hasp-lock.....	R. B. Rice.....	776,086	Nov. 29	5170	1092	113	1233
Hat.....	A. Mayer.....	760,992	Feb. 2	692	93	108	1144
Hat.....	E. M. Hacker.....	754,213	Mar. 12	1574	438	109	450
Hat.....	J. Taylor.....	760,087	May 17	3011	629	110	713
Hat.....	C. T. Fergusson.....	778,536	Dec. 27	4112	896	113	2363
Hat and hat-shield.....	W. J. Anderson.....	758,806	May 8	451	90	110	111
Hat-bodies, Renovating old.....	C. E. Sackett.....	763,000	June 7	738	110	110	1604
Hat-box.....	S. E. Patrick.....	752,584	Feb. 16	3390	756	108	1830
Hat-brim protector.....	E. M. Wallace.....	762,964	June 21	2888	582	110	2061
Hat-case.....	P. M. Beard.....	757,250	Apr. 12	2061	450	109	1799
Hat-case, Combination.....	H. Hefty.....	760,537	May 24	3873	821	110	924
Hat-clasp.....	C. F. Carlson.....	777,777	Dec. 20	3567	568	113	3021
Hat, coat, and umbrella rack, Combined.....	W. R. Clark.....	758,509	Apr. 26	4591	987	109	2387
Hat-case retainer.....	O. P. Oliver.....	761,601	May 31	5976	1283	110	1396
Hat-die.....	J. P. and J. Frugoll and H. Fornaci.....	766,879	Aug. 9	1561	327	111	1406
Hat-dipping machine.....	S. H. Fanton.....	767,806	Aug. 16	3947	708	111	1820
Hat-fastener.....	L. Vihon.....	749,466	Jan. 12	1902	395	108	448
Hat-fastener.....	M. Gordon.....	752,388	Feb. 16	2832	628	108	1708
Hat-fastener.....	H. V. Rickard.....	753,314	Mar. 1	181	41	109	42
Hat-fastener.....	J. Kaiser.....	754,316	Mar. 8	2134	477	109	487

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Hat-fastener	F. S. Boedefeld.	754,916	Mar. 15	3385	740	109	773
Hat-fastener	A. Alber	760,887	May 24	4504	959	110	1057
Hat-fastener	J. J. Smith	763,215	June 21	3171	682	110	2169
Hat-fastener	C. Dorn	763,892	June 28	4435	966	110	2461
Hat-fastener	O. Stromborg	766,741	Aug. 2	1231	351	111	1314
Hat-fastener	M. M. Brison	772,605	Oct. 18	2814	618	112	1504
Hat-fastener	H. W. C. von Castens	778,474	Dec. 27	4010	873	113	2340
Hat-fastener locking device	J. R. Gallagher	767,108	Aug. 9	2014	419	111	1509
Hat-fastening means	C. M. McConnell	774,598	Nov. 8	2032	444	113	468
Hat-form retainer	W. Bowling	766,818	Aug. 2	365	76, 77	111	1121
Hat-frame-forming device	E. A. Howe	759,096	May 17	2840	594	110	674
Hat-frame-forming device	E. A. Howe	760,068	May 17	2975	622	110	705
Hat-frames. Device for forming wire	W. M. Jameson	755,174	Nov. 15	3234	692	113	762
Hat-frames. Device for forming wire	W. M. Jameson	775,175	Nov. 15	3238	693	113	763
Hat-frames. Form for making twisted-wire	W. M. Jameson	775,173	Nov. 15	3231	692	113	762
Hat head-rest	F. Jaeger	773,644	Nov. 1	207	46	113	50
Hat head-rest	F. Jaeger	776,065	Nov. 29	5126	1084	113	1223
Hat head-rest	F. Jaeger	777,676	Dec. 20	2386	525	113	1981
Hat-holder	M. N. Gable	750,634	Jan. 26	4114	108	108	959
Hat-holder	C. I. Sterling	755,184	Mar. 22	3867	854	109	896
Hat-holder	H. R. Tubman	770,835	Sept. 27	3260	687	112	784
Hat. Large-crowned	F. J. Muhlfield	769,558	Sept. 6	819	175	112	185
Hat-machine	G. W. Chamberlain	772,869	Oct. 18	3320	174	112	1715
Hat-napping machine	M. H. Nein	753,804	Mar. 1	1167	263	109	251
Hat-paring machine	C. I. Sterling	765,051	July 12	2338	485	111	525
Hat-pin	R. Omior	749,948	Jan. 19	2837	606	108	668
Hat-pin	W. Wittgischlager	758,289	Apr. 26	4152	897	109	2286
Hat-pin	A. A. McRae	760,141	May 17	3131	655	110	738
Hat-pin and attachment	F. Ashton	751,771	Feb. 9	1826	416	108	1463
Hat pin or fastener	S. L. Troupe and M. C. Brooks	754,519	Mar. 15	2637	572	109	512
Hat-pin. Safety	J. J. Duket	771,359	Oct. 4	383	62	112	1022
Hat-planking machine. Felt	T. Robinson	761,716	June 7	190	36	110	1480
Hat pouncing and greasing machine	A. B. Waring	772,073	Oct. 11	1734	386	112	1346
Hat-pressing-machine attachment	W. H. Kendall	775,825	Nov. 22	4638	983	113	1097
Hat-pressing-machine clamp	V. J. Lawson	770,593	Sept. 20	2770	587	112	658
Hat provided with receptacle	J. Y. Werrick	770,691	Sept. 13	1696	360	112	400
Hat-rack	C. W. Johnson and J. K. Olaison	756,023	Mar. 29	5493	1212	109	1267
Hat-rack. Looking	G. Nattermann	769,488	Sept. 6	696	149	112	159
Hat-receptacle for auditoriums	J. T. Henderson	757,305	Apr. 12	2176	477	109	1824
Hat-shaping machine	M. A. Cuming	755,265	Mar. 22	4206	981	108	969
Hat. Sportsman's convertible	E. E. Hodshon	748,949	Jan. 5	765	166	108	174
Hat. Sportsman's convertible	E. E. Hodshon	748,950	Jan. 5	768	166	108	175
Hat-stand	S. P. Hanson	769,478	Sept. 6	673	145	112	153
Hat-stand attachment	G. M. Moorcroft	777,480	Dec. 13	1990	440	113	1883
Hat-stand. Milliner's	H. L. Oliphant	764,495	July 5	1202	247	111	264
Hat stretcher and shaper	T. E. Gray	769,477	Sept. 6	672	145	112	153
Hat-sunshade	W. C. Cleveland	770,352	Sept. 20	2326	490	112	560
Hat-trimming machine	F. C. Crow	757,542	Apr. 19	2672	585	109	1943
Hat, &c., ventilator	J. P. Martin	765,499	July 19	3218	678	111	732
Hats. Device for attaching feathers to	A. F. Athorp	771,693	Oct. 4	929	209	112	1158
Hats for storage and shipment. Apparatus for packing	L. E. Stewart	762,250	June 7	1224	264	110	1706
Hatting and fur-refining machinery. Picker-roll for	L. R. Heim	761,170	May 31	5182	1101	110	1323
Hatch-cover	R. R. Lecey	763,493	June 28	3728	804	110	2310
Hatch-fastener	W. H. Crawford	749,532	Jan. 12	2027	421	108	474
Hatch-fastener	A. P. Rankin	776,757	Dec. 6	589	128	113	1556
Hatches, trap-doors, &c. Apparatus for operating armored	W. B. Cowles	755,768	Nov. 22	4524	960	113	1073
Haulage system	H. S. Moore	769,911	Sept. 13	1469	315	112	349
Hawse-pipe	G. A. Nowland	765,933	July 26	4069	869	111	926
Hay and shocked-grain loader	R. Hawkins	757,303	Apr. 12	2172	476	109	1822
Hay and stock rack	J. H. Anderson	753,028	Feb. 23	4908	937	108	2052
Hay, &c. Apparatus for unloading	J. A. Cross	759,421	May 10	1726	349	110	411
Hay-carrier	W. Loudon	752,569	Feb. 26	3364	750	109	1824
Hay-carrier	W. A. Law	767,574	Aug. 16	2824	611	111	1725
Hay-carrier	W. Loudon	769,175	Sept. 6	74	19	112	17
Hay-carrier	L. E. Porter	776,615	Dec. 6	294	65	113	1495
Hay-carrier	F. M. Yentzer	777,465	Dec. 13	1958	432	113	1876
Hay-derrick	G. Garanson	761,159	May 31	5167	1097	110	1219
Hay-distributor	O. and G. Hyatt	775,924	Nov. 29	4834	1024	113	1156
Hay-fork. Horse	A. J. Miller	770,085	Sept. 13	1773	376	112	419
Hay-frame loader or unloader	J. B. Young	763,532	June 28	3797	821	110	2325
Hay gatherer and loader	J. T. Smith	762,663	June 14	2069	447	110	1907
Hay implement. Combination	J. H. Bogress and W. Hotze	761,752	June 7	249	49, 50	110	1498
Hay-knife	W. S. Shippy	748,991	Jan. 5	858	184	108	199
Hay-loader	A. W. Bailey	753,219	Mar. 1	4	1	109	3
Hay-loader	B. F. Kadel and H. F. Rodemeyer	757,122	Apr. 12	1816	399	109	1744
Hay-loader	J. H. Thomas	757,156	Apr. 12	1892	413	109	1763
Hay-loader	E. C. McConvill	758,557	Apr. 26	4678	1009	109	2404
Hay-loader	H. A. Adams	758,805	May 3	449	89	110	110
Hay-loader	G. Plummer	761,710	June 7	180	34	110	1478
Hay-loader	E. Cox	773,278	Oct. 25	4915	912	112	1958
Hay-loader	C. L. Samp	773,990	Nov. 1	921	191	113	209

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Hay-loader	H. Siebert	777,925	Dec. 20	2919	641 642	113	2091
Hay loader and raker	A. Rowan	759,018	May 3	856	174	110	1916
Hay loader and stacker	A. F. and W. A. Snyder	777,554	Dec. 13	2741	483	113	1915
Hay-loading machine	S. Smith	768,098	June 7	929	192	110	1639
Hay or grain loader or unloader	W. Kouns	775,773	Nov. 22	4536	963	113	1076
Hay-press	J. C. Damron	749,662	Jan. 12	2264	477	108	526
Hay-press	A. H. and L. C. O'Quinn	760,014	May 17	2868	601	110	680
Hay-press	C. E. Wehrenberg	762,367	June 14	1457	317	110	1774
Hay-press	N. Cayouette	767,040	Aug. 9	1860	390	111	1475
Hay-press	J. E. Sanders	771,576	Oct. 4	707	157	112	1110
Hay-press	J. H. Skinner	773,104	Oct. 25	3391	834	112	1873
Hay-press	E. Smith	775,612	Nov. 22	4227	690	113	1010
Hay-rack	W. H. Giese	774,662	Nov. 8	2146	469	113	492
Hay-rack attachment	J. J. Acton	752,745	Feb. 23	3721	830	108	1920
Hay-rack clamp	P. Schmitt	757,147	Apr. 12	1870	408	109	1758
Hay-rack clamp	G. Wenzelmann	774,861	Nov. 15	2607	558	113	616
Hay-rack construction	H. L. Ferris	761,882	June 7	547	105	111	1562
Hay-rack Wagon	J. T. Swan	768,353	June 21	3387	736	110	2674
Hay-rake	H. A. Adams	749,711	Jan. 19	2375	502	108	567
Hay-rake	W. Lincoln. (Reissue)	12,194	Jan. 19	3388	732	108	755
Hay-rake	H. R. Ingledue	759,282	May 10	1446	298	110	351
Hay-rake	H. M. Ramer	760,149	May 17	3149	658	110	742
Hay-rake	M. Kane	766,886	Aug. 9	1574	340	111	1409
Hay-rake	F. P. Burkhardt	766,928	Aug. 9	1663	348 349	111	1431
Hay-rake	M. R. Jenkins	770,009	Sept. 13	1663	353	112	393
Hay-rake. Adjustable	W. F. Reed	768,147	Aug. 23	4127	868	111	2011
Hay rake and cocker	C. E. Paulson	752,585	Feb. 16	3391	757	108	1830
Hay rake and elevator	G. W. Irish and D. M. Hoover	775,751	Nov. 22	4500	953	113	1068
Hay rake and stacker	O. B. Mann	778,056	Dec. 20	3170	697 698	113	2141
Hay rake and tedder	P. von Del Negro	751,618	Feb. 9	1543	351	108	1404
Hay-rake attachment	J. Geery	754,990	Mar. 22	3530	773	109	822
Hay-rake. Dumping	J. R. Danner	761,211	May 31	5255	1115 1116	110	1237
Hay-rake. Horse	W. A. and S. S. Cavett	753,852	Mar. 8	1279	87	109	296
Hay-rake. Horse	L. Brown	757,258	Apr. 12	2071	452	109	1801
Hay-rake. Horse	L. Brown	757,259	Apr. 12	2073	453	109	1801
Hay-rake. Horse	S. J. Baxter and R. O. Martin	775,961	Nov. 29	4923	1040	113	1177
Hay-rake. Side-delivery	F. M. Conroy	766,669	Aug. 2	1090	226	111	1383
Hay raker and loader	W. J. Cook	768,516	Aug. 23	4865	1020	111	2177
Hay-raking machine	K. P. Ketelsen	773,308	Oct. 25	4189	885	112	1931
Hay-ricks, &c. Apparatus for fastening or tying	J. W. Harrington	778,240	Dec. 27	3516	774	113	2235
Hay-tedder	G. L. Roby	754,168	Mar. 8	1809	417	109	429
Hay-tedder	C. W. Warner	757,372	Apr. 12	2314	506	109	1833
Hay-tedder	O. B. Reynolds	765,194	July 19	2601	544	111	599
Hay-tedder	H. M. Cooley	768,370	Aug. 23	4362	917	111	2062
Hay-tedder	J. W. Clark	771,418	Oct. 4	409	91 92	112	1044
Hay-tedder fork-head	W. W. Shaw	756,062	Mar. 29	5552	1225	109	1281
Hay-unloading device	F. Crawford and C. Higby	768,427	Aug. 23	4701	984	111	2143
Head-covering or net	E. F. Comstock	766,426	Aug. 2	561	119	111	1163
Head-gate. Floating-weir	M. S. Hart and H. K. Fairall	775,532	Nov. 22	4035	851	113	967
Head-rest	A. B. Cihak	764,710	July 12	1680	343	111	383
Head-rest attachment	J. D. Smock	769,415	Sept. 6	549	120	112	124
Header	F. E. Fox	774,060	Nov. 1	1049	224	113	237
Header and stacker. Combined.	J. H. Kindsvater	754,780	Mar. 15	3128	682 683 684	109	719
Header. Grain	J. A. Sharp	766,470	Aug. 2	633	139 140	111	1182
Headache. Mechanical appliance for cure of	E. A. Turner, Jr.	763,814	June 28	4353	946	110	2443
Headlight	W. F. Walsh	758,723	May 3	280	56	110	72
Headlight	F. C. and G. L. Wilson	763,648	June 28	4011	875	110	2370
Headlight	G. J. Smith	770,193	Sept. 13	2000	432	112	466
Headlight	F. Burger and H. M. Williams	771,807	Oct. 11	1165	260	112	1222
Headlight. Electric	W. H. Northall	757,564	Apr. 19	2718	594 595	109	1553
Headlight electrode-holder. Electric	M. A. Ross	769,236	Sept. 6	193	46	112	43
Headlight. Locomotive	E. A. Edwards	764,329	July 5	659	133	111	147
Headlight. Locomotive or street-car	G. C. Fish and W. F. Rainey	763,372	June 21	3274	705	110	2190
Headlight-operating device	G. F. Chapman	766,138	July 26	4476	950	111	1014
Headwear	B. Brown	768,356	Aug. 23	4522	951 952	111	2097
Heat-alarm	H. F. Jones	750,543	Jan. 26	3966	828	108	928
Heat and smudge composition	E. J. Griffiths	770,428	Sept. 20	2455	520	112	588
Heat. Apparatus for transmission of	R. Wadham	767,187	Aug. 9	2172	453	111	1540
Heat-baffle and damper. Combined	L. P. Crosswell	771,860	Oct. 11	1272	285	112	1245
Heat by burning liquid fuel. Apparatus for production of	G. Berdejeff	764,718	July 12	1693	346	111	386
Heat-catcher	G. Thomson	770,787	Sept. 27	3146	667	112	759
Heat-coil. Self-soldering	F. B. Cook	776,318	Nov. 29	5420	1149	113	1291
Heat-conducting tube	R. C. Monteagle	770,599	Sept. 20	2779	590	112	660
Heat. Device for effecting the radiation of	R. B. Hancson and G. A. Prior	777,853	Dec. 20	2757	607	113	2059
Heat from fuel. Producing	J. M. Schutz	751,350	Feb. 2	1073	243	108	1286
Heat jacketing and screening means	W. A. Macfadyen	768,178	June 7	1067	226	110	1671
Heat-regulating apparatus	N. E. Nash	749,397	Jan. 12	1734	367	108	413
Heat-regulator	H. W. Gander	752,061	Feb. 16	2401	536	108	1610
Heat-regulator	J. Peterson	755,928	Mar. 29	5310	1172	109	1288
Heat-regulator. Automatic electric	D. N. Leib	754,465	Mar. 29	5519	549	109	585
Heat-retainer	E. O. Kirk	752,687	Feb. 23	3622	806	108	1998

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Heat-transferring device. Rotating	L. von May	769,557	Sept. 6	818	175	112	185
Heat-transmitting device.	W. C. Clarke	756,329	Apr. 5	372	56	109	1401
Heater:							
See Air-heater.	Incubator-heater.						
Beer-heater.	Instantaneous heater.						
Curling-iron heater.	Milk-heater.						
Domestic heater.	Printing-plate heater.						
Duplex heater.	Rotary heater.						
Electric heater.	Sad-iron heater.						
Electrical heater.	Self-filling heater.						
Exhaust-heater.	Solar heater.						
Feed-water heater.	Soldering-iron heater.						
Fire-engine heater.	Surface-heater.						
Fireplace-heater.	Tank-heater.						
Flat-iron heater.	Water-heater.						
Gas-heater.	Water-tank heater.						
Gas fireplace-heater.	Well-heater.						
Hot-water heater.							
Heater	C. R. Bannih	748,835	Jan. 5	530	121	108	120
Heater	P. J. W. Hoaglund	751,794	Feb. 9	1867	426	108	1472
Heater	W. Stewart and W. J. Wiles	752,426	Feb. 16	3109	690	108	1767
Heater	A. von Chigor	753,042	Feb. 23	4396	964	108	2058
Heater	J. Silverberg	756,731	Apr. 5	1014	224	109	1359
Heater	W. W. Woods	756,763	Apr. 5	1087	241	109	1575
Heater	B. I. Mahon	760,226	May 17	3288	690	110	774
Heater	H. F. Hoelman	764,191	July 5	557	110	111	123
Heater	A. G. Kaufman	764,947	July 12	2156	447	111	493
Heater	C. A. Cribbs	765,959	July 26	4110	878	111	936
Heater	J. R. Barker	768,720	Aug. 30	5318	1119	111	2294
Heater	P. Doran	778,016	Dec. 20	3096	680	113	2126
Heater	N. W. Dimpsey	778,639	Dec. 27	4327	1945	113	2411
Heater and garbage-burner	G. W. Mathews	766,153	July 26	4515	1965	111	1021
Heater and mixing-faucet	L. M. Hooper	775,655	Nov. 22	4319	912	113	1030
Heater and purifier	R. M. Ross	754,014	Mar. 8	1590	355	109	366
Heater and ventilator	J. W. Johnson and J. T. Sheridan	763,983	July 5	109	17, 18	111	31
Heater for attachment to oil or gas burners.	W. L. Hallett	764,843	July 12	1945	400	111	442
Heater for hot-water systems.	H. J. Long	762,541	June 14	1836	394	110	1856
Heating air	H. Pauling	777,485	Dec. 13	1969	442	113	1885
Heating air or liquids to a constant temperature.	V. Eltz	751,271	Feb. 2	994	212	108	1556
Apparatus for							
Heating and lighting apparatus	G. Imbert	749,384	Jan. 12	1710	362	108	408
Heating and lighting apparatus.	T. G. Smart and J. E. Lynch	766,775	Aug. 2	1318	278	111	1383
Heating and sterilizing apparatus	J. S. Forbes	750,757	Jan. 26	4385	947	108	1021
Heating and ventilating apparatus.	E. M. A. A. A.	754,293	Mar. 8	2118	493	109	480
Heating and ventilating apparatus.	E. Glantzberg	765,423	July 19	3045	687	111	635
Heating and ventilating buildings.	I. S. McDougall	773,668	Nov. 1	355	57	113	61
Heating and ventilating buildings. Means for.	J. Friedlander	761,953	June 7	674	136	110	1587
Heating and ventilating system	P. K. McMinn	777,127	Dec. 18	1331	294	113	1739
Heating apparatus	J. C. Nace	749,086	Jan. 5	1082	228	108	243
Heating apparatus	E. M. Warren	749,244	Jan. 12	1410	302	108	343
Heating apparatus	S. F. Shafer	752,002	Feb. 9	2303	515	108	1569
Heating apparatus	E. H. Bennett	753,269	Mar. 22	4026	893	109	929
Heating apparatus	C. Garlick	756,351	Apr. 5	321	66	109	1412
Heating apparatus	A. F. Walz and M. Doherty	763,705	June 28	4134	901	110	2397
Heating apparatus	J. Collis	763,724	June 28	4171	909	110	2406
Heating apparatus	O. S. McCurdy	769,318	Sept. 6	365	84	112	79
Heating apparatus	L. G. Horn	771,308	Oct. 4	170	37	112	97
Heating apparatus	J. E. Mannen and W. M. Esterly	771,431	Oct. 4	433	98	112	1049
Heating apparatus	J. J. H. Souheir	771,583	Oct. 4	716	159	112	1111
Heating apparatus	W. K. Seelye	755,320	Mar. 22	4119	910	109	947
Heating apparatus. Air.	G. A. Munson	761,530	May 31	5849	1254	110	1370
Heating apparatus. Air.	F. T. Brenner	765,547	July 19	3300	692	111	749
Heating apparatus. Combined	W. H. Denslow	767,874	Aug. 16	3496	739	111	1850
Heating apparatus. Electric	R. Kuch	749,201	Jan. 12	1334	286	108	327
Heating apparatus. Electric	W. S. Horry	771,249	Oct. 4	59	1	112	974
Heating apparatus. Electric	W. S. Horry	771,250	Oct. 4	62	14	112	975
Heating apparatus. Electrical	C. E. Carpenter	761,205	May 31	5240	1112	110	1234
Heating apparatus for buildings. Hot-water	A. H. Freericks	777,594	Dec. 20	2845	625	113	2078
Heating apparatus. Hot-water	A. B. Reck	766,939	Dec. 6	961	1205	113	1639
Heating apparatus. Hot-water	A. B. Reck	777,308	Dec. 13	1649	366	113	1808
Heating apparatus. Making electrical	C. E. Carpenter	761,204	May 31	5236	1111	110	1233
Heating apparatus. Steam	J. Collis	777,184	Dec. 13	1420	315	113	1757
Heating articles by electricity	E. F. Price	752,358	Feb. 16	2965	660	108	1737
Heating articles. Electrically	E. O. Haskins	752,357	Feb. 16	2963	659	108	1736
Heating-boiler	M. 61,470	761,470	Mar. 31	5763	1280	110	1351
Heating buildings or dwellings. System of	L. M. Gates	753,253	Mar. 1	70	18	109	17
Heating by steam. Apparatus for regulating the circulation in installations for	A. Heintz	777,203	Dec. 13	1454	322	113	1765
Heating, cooling, ventilating, and lighting system. Building	O. F. Petersen	770,310	Sept. 20	2253	472	112	543
Heating-cup	E. Sorrentino	755,405	Mar. 22	4294	946	109	985
Heating device.	J. A. Edwards	754,982	Mar. 22	3520	770	109	820
Heating device.	F. C. Klotz	771,429	Oct. 4	430	98	112	1048
Heating device. Automatic low-pressure	E. H. Gold	768,019	Aug. 16	3827	1800	111	1523
Heating devices. Apparatus for the regulation of electrical circuits in	W. D. Kilroy	751,654	Feb. 9	1605	365	108	1418
Heating. Electric	A. H. Cowles	750,170	Jan. 19	3251	701	108	754
Heating. Electric	W. S. Horry	757,618	Apr. 19	2839	619	109	1960
Heating. Electric	W. S. Horry	757,619	Apr. 19	2845	620	109	1962

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Heating. Electric	W. S. Horry	757,620	Apr. 19	2846	620	109	1982
Heating. Electric	E. F. Price	757,633	Apr. 19	2867	625	109	1987
Heating-furnace	C. W. Bray	763,847	June 28	4411	959 960	110	2456
Heating-furnace	J. Hirschmann	763,892	June 28	4489	979	110	2473
Heating-furnace	J. W. Arnold	768,576	Aug. 30	5013	1051	111	2227
Heating-furnace	J. H. Haskins	777,728	Dec. 20	2472	544 545	113	2001
Heating-furnace. Continuous	J. Reuleaux	767,243	Aug. 9	2275	475	111	1563
Heating-furnace. Hot-air	E. A. Tuttle	757,320	Apr. 19	2623	574	109	1982
Heating liquids, especially milk. Apparatus for.	J. Fliegel	749,926	Jan. 19	2803	598	108	661
Heating materials. Electrically	A. H. Cowles	750,095	Jan. 19	3120	670	108	723
Heating or cooking utensil	R. Grove	764,581	July 12	1402	286	111	323
Heating or cooling device. Air	R. S. Lawrence	762,591	June 14	1928	416	110	1875
Heating ovens, &c. Apparatus for	P. Fox	773,862	Nov. 1	655	138	113	151
Heating system	C. G. Goff	750,358	Jan. 26	3604	781	108	853
Heating system	J. M. Seymour, Jr.	755,176	Mar. 23	3854	851	109	893
Heating system	A. G. Paul	771,745	Oct. 4	1013	226	112	1175
Heating system	W. S. Johnson	773,078	Oct. 25	3827	817	112	1846
Heating system. Adjustable low-pressure	E. H. Gold	771,628	Oct. 4	804	179	112	1131
Heating system and valve for use therein	A. G. Paul	771,744	Oct. 4	1011	225	112	1175
Heating system. Electrical	E. H. Kitheld	745,749	Jan. 5	364	81, 82	108	81
Heating system for greenhouses, &c.	C. G. Peck	764,003	July 5	170	29	111	41
Heating system. Greenhouse	C. G. Peck	766,281	Aug. 2	296	59, 60	111	1106
Heating system. Hot-water	G. L. Rankin	756,282	Apr. 5	180	37	109	1382
Heating system. Hot-water	C. C. Longard	764,610	July 12	1463	299	111	336
Heating system. Hot-water	R. B. Teachout	772,848	Oct. 18	3280	716	112	1705
Heating system. Low-pressure	E. H. Gold	758,436	Apr. 26	4451	357	109	2354
Heating system. Steam	J. R. Shanklin	753,324	Mar. 1	201	45	109	47
Heating system. Vacuum and circulatory	G. L. Bottum	750,158	Jan. 19	3225	695	108	749
Heating systems. Apparatus for measuring heat in hot-water	C. G. Peck	759,306	May 10	1490	298	110	361
Heating systems. Fitting for steam	C. A. Ball	772,859	Oct. 18	3305	721	112	1711
Heating systems. Funnel-cock for hot-water	O. Link	759,623	May 10	2114	434	110	496
Heating systems. Measuring heat in hot-water	C. G. Peck	764,002	July 5	165	28, 29	111	41
Heating-tank	J. J. Grubitz	754,135	Mar. 8	1820	405	109	418
Heating water by steam. Apparatus for	W. G. F. Steinmetz	752,721	Feb. 23	3685	821	108	1912
Heddie	W. Fehr	748,713	Jan. 5	301	63	108	67
Heddie	E. Butcher	776,316	Nov. 29	5414	1148	113	1289
Heddie-bar fastening	W. Fehr and J. Kaufmann	754,860	Mar. 15	3295	718	109	754
Heddie bar or support clamping device	J. C. Edwards	753,380	Mar. 1	293	66, 67	109	66
Heddie bar or support clamping device	C. E. Nutting	762,434	June 14	1595	348	110	1804
Heddies. Producing	W. Fehr	749,725	Jan. 19	2410	569	108	574
Heel	E. D. Tyler	752,632	Feb. 16	3513	781	108	1856
Heel. Adjustable shoe	A. Westwood	754,947	Mar. 15	3458	757	109	791
Heel attachment for boots or shoes	G. F. Fischer	769,157	Sept. 6	37	9, 10	112	11
Heel-blank-assembling machine	G. B. Grover	749,798	Jan. 19	2535	538	108	602
Heel. Boot or shoe	M. Winants	763,649	June 28	4015	875	110	2371
Heel-building machine	W. P. Bosworth and T. Bostock	752,325	Feb. 16	2906	648	108	1724
Heel-building machine	W. Wolfe	760,768	May 24	4362	927	110	1028
Heel-building machine	T. Bostock	772,335	Oct. 18	3271	497	112	1487
Heel-calk for shoes. Detachable	C. H. Swenson	767,163	Aug. 9	2123	828	108	1538
Heel chamfering machine. Boot or shoe	J. W. Snell	772,541	Oct. 18	2686	590	112	1576
Heel-compressing machine	S. D. Leland	776,787	Dec. 6	640	141 142	113	1567
Heel-compressing machine	C. L. Allen	776,823	Dec. 6	717	159 160	113	1585
Heel-compressing machine	E. A. Tripp	776,873	Dec. 6	832	179 180	113	1610
Heel-compressing-machine mold or die	B. F. Mayo	764,668	July 12	1594	326	111	365
Heel-compressing-machine mold or die	C. L. Whiting	764,696	July 12	1646	336	111	376
Heel-compressing-machine mold or die	T. Lund	776,860	Dec. 6	804	174	113	1603
Heel. Elastic	F. H. Stubner	751,817	Feb. 9	1926	436	108	1486
Heel. Elastic cushion	J. F. B. Litchfield	766,711	Aug. 2	1171	244	111	1302
Heel for boots or shoes. Detachable	F. F. Anderson	753,532	Mar. 1	609	138	109	133
Heel for boots, shoes, &c. Rotatable or reversible	J. Classen	763,044	June 21	2850	614	110	2992
Heel-protector	M. W. Wedel	752,736	Feb. 23	3709	838	108	1917
Heel. Self-equalizing	H. W. Buff	759,665	May 10	2196	452	110	513
Heel-shaping machine	J. J. Heys	761,485	May 31	5771	1232 1233	110	1353
Heel-trimming machine	Z. Beaudry	771,525	Oct. 4	607	135 136	112	1088
Heeling-machine	H. Briggs	750,047	Jan. 19	3020	647 648	108	706
Helmet	J. J. Curtis	753,047	Feb. 23	4342	966	108	2059
Hemp-shaking machine	J. P. Lowry	761,311	May 31	5465	1100	110	1282
Hammer, tucker, and comb. Combined	A. A. and M. E. Mitchell	766,500	Aug. 2	747	156	111	1203
Herbicide. Implement for applying	A. von Hoffmann	773,743	Nov. 1	401	88	113	95
Hermetically-sealed jar	J. A. Kray	769,171	Sept. 6	67	18	112	16
Hide-fleshing machine	J. H. Sears	762,949	June 21	2665	577	110	2055
Hide or skin putting-out machine	R. W. Strout	767,451	Aug. 16	2672	561	111	1668
Hide or skin unhairing machine	F. J. Perkins	769,016	Aug. 30	5915	1240	111	2429
Hide or skin washing and tanning device	R. Koenitzer	773,873	Nov. 1	683	143	113	158
Hide-splitting machine. Raw	A. H. Pell	754,341	Mar. 8	2193	488	109	496
Hide-treating machine	H. F. Dougherty	774,228	Nov. 8	1364	291	113	325
Hide working and unhairing machine	R. F. Whitney	754,525	Mar. 15	3644	574 575	109	614
Hide working and unhairing machine	R. F. Whitney	768,712	Aug. 30	5304	1114 1115	111	2290

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Hide-working machine	A. A. Hutchinson	762,415	June 14	1550	339 340 341	110	1795
Hide-working machine	J. Stratton	766,073	July 26	4338	980	111	983
Hide-working machine	D. Glenross	766,240	Aug. 2	138	38, 39	111	1083
Hide-working-machinery cylinder	J. W. Deckert	771,614	Oct. 4	777	172	112	1124
Hides. Machine for applying coloring-matter to	R. W. Churchill	774,935	Nov. 15	2750	590	113	650
High and low pressure gage. Differential.	G. M. Schubert	755,175	Mar. 22	3853	851	109	893
High-frequency apparatus. Portable	F. F. Strong	775,869	Nov. 22	4721	999	113	1114
High-frequency apparatus. Portable	F. F. Strong	775,870	Nov. 22	4724	1000	113	1114
High-frequency apparatus. Protecting device for	L. De Forest	771,820	Oct. 11	1185	264	112	1227
High-frequency device and vacuum-tube stand. Portable	T. B. Kinraide	774,759	Nov. 15	2386	515	113	568
High or low pressure signal-alarm	F. H. Schmitz	755,708	Mar. 29	4855	1079	109	1126
High-potential-energy detector	D. D. Hilliard, Jr.	769,632	Sept. 6	974	211	112	222
High-potential switch	J. F. Kelly	749,200	Jan. 12	1329	285	108	326
Hinge	D. W. Tower	749,411	Jan. 12	1762	373	108	419
Hinge	A. H. Christie	751,461	Feb. 9	1252	286	108	1342
Hinge	T. T. Boring and F. Fritchey	765,211	May 2	3915	806	109	906
Hinge	J. W. Skilton	757,784	Apr. 19	3163	687	109	2052
Hinge	R. W. Hubbard	759,890	May 17	2630	550	110	625
Hinge	G. T. Mackinder	760,890	May 24	4591	979	110	1077
Hinge	W. J. Keene	761,969	June 7	697	142	110	1502
Hinge	J. A. Slama	762,932	June 21	2650	573	110	2037
Hinge	B. F. Burtis	763,256	June 21	3247	701	110	2185
Hinge	C. S. Van Wagoner	764,833	July 12	1927	395	111	438
Hinge	A. A. Page	767,431	Aug. 16	2630	553	111	1659
Hinge	W. Lovette	770,535	Sept. 20	2772	588	112	659
Hinge	J. E. Abtlin	773,119	Oct. 11	1824	404	112	1365
Hinge	D. P. Craver and T. H. Gillette	773,717	Nov. 1	355	79	113	84
Hinge	W. K. Henry	774,878	Nov. 15	2635	566	113	623
Hinge	J. A. Wells	777,230	Dec. 13	1508	334	113	1777
Hinge and automatic catch for awning-blinds	F. W. Lurts	752,348	Feb. 16	2945	656	108	1783
Hinge and check. Door	G. E. Broadwell	766,746	Aug. 2	1229	283	111	1316
Hinge. Blind	J. H. Poole	778,144	Dec. 20	3335	732	113	2177
Hinge. Box-couch	C. W. Gross	758,530	Apr. 26	4636	998	109	2395
Hinge. Card-table	H. F. Kell	753,710	Mar. 1	954	216	109	205
Hinge. Combined spring and lock	W. D. Bading	765,372	July 19	2944	616	111	673
Hinge. Detachable spring	F. L. Smith	776,153	Nov. 29	5294	1320	113	1323
Hinge. Door	J. R. Hartman	749,379	Jan. 12	1701	361	108	406
Hinge. Double-acting spring	O. E. Halin	777,673	Dec. 20	2381	524	113	1980
Hinge. Double-swing-door	H. J. Wright	764,026	July 5	230	41	111	54
Hinge. Floor	H. J. Valentine	761,731	June 7	314	41	110	1486
Hinge for sofa-beds, &c.	F. J. Seng	762,094	June 7	923	191	110	1637
Hinge. Friction	V. C. Luppert	761,517	May 31	5827	1246	110	1365
Hinge. Frictional locking	P. C. Palmer	757,492	Apr. 19	2562	562	109	1918
Hinge. Furniture	J. H. Stigleman	755,842	Feb. 26	4083	872	111	929
Hinge-gage	W. H. Gaudin	750,416	Feb. 2	122	28	108	1084
Hinge-gage	B. Fraizer	758,636	May 3	62	12	110	19
Hinge. Gate	J. H. Vandever	748,670	Jan. 5	221	52	108	48
Hinge. Gate	J. Leffler	751,661	Feb. 9	1619	368	108	1421
Hinge. Gate	C. Pelmdur	753,108	Feb. 23	4438	987	108	2080
Hinge. Gate	F. L. Smith	764,385	July 5	861	198	111	218
Hinge. Gate	W. H. Wise	774,409	Nov. 8	1677	359	113	323
Hinge-joint	H. B. Walter	769,035	Aug. 30	5056	1247	111	2438
Hinge. Lock	T. Jeffrey	749,561	Jan. 12	2080	432	108	487
Hinge-pin	J. C. Griffin	749,729	Jan. 19	2417	510	108	575
Hinge pintle-retainer	W. E. Stark	765,152	July 12	2537	530	111	566
Hinge. Release	R. D. Struble	750,908	Feb. 2	245	55	108	1111
Hinge. Self-locking	N. J. St. Hilaire	753,443	Mar. 1	421	99	109	91
Hinge. Separable	S. F. Meek	771,654	Oct. 4	856	192	112	1142
Hinge. Separable	G. H. Schiek	778,590	Dec. 27	4072	887	113	2354
Hinge. Separable screen	W. J. Wiley	754,769	Mar. 15	3105	678	109	714
Hinge. Separable screen	H. B. Higgins	754,770	Mar. 15	3106	678	109	714
Hinge. Separable screen	C. Rowland	754,809	Mar. 15	3189	695	109	731
Hinge. Separable screen	C. Rowland	754,810	Mar. 15	3191	695	109	731
Hinge. Separable screen	C. Rowland	759,751	May 10	2348	490	110	547
Hinge. Separable screen	C. Rowland	759,752	May 10	2350	490	110	547
Hinge. Sheet-metal	C. S. Van Wagoner	764,785	July 12	1820	372	111	414
Hinge. Spring	H. L. Ferris	757,607	Apr. 19	2803	612	109	1973
Hinge. Spring	E. Bommer	761,057	May 31	4969	1053	110	1175
Hinge. Spring	H. L. Hurst and J. A. Wertz	762,587	June 14	1920	414	110	1874
Hinge. Spring	E. Bommer. (Reissue)	762,587	June 28	4603	1007	110	2497
Hinge. Spring	J. Barsley	766,411	Aug. 2	535	113	111	1158
Hinge. Universal frictional	F. E. Totten	763,220	June 21	3183	685	110	2172
Hip-adjuster	E. B. Neffeler	757,140	Apr. 12	1855	406	109	1755
Hitching device	W. J. Wiley	750,141	Jan. 19	3201	688	108	744
Hitching device	J. B. Sweetland	768,169	Aug. 23	4008	843	111	1985
Hitching device	J. G. Michael	770,816	Sept. 27	3221	679	112	776
Hitching device	G. K. D. Holland	778,039	Dec. 20	3134	689	113	2134
Hitching post	T. J. Fox	753,971	Mar. 8	1517	338	109	350
Hitching strap	C. B. Dutterworth	757,882	Apr. 19	3336	722	109	2090
Hitching-strap attachment	F. A. Witzig	749,726	Jan. 19	2411	509	108	574
Hitching-strap weight. Automatic	E. M. Joll	773,645	Nov. 1	208	46	113	51
Hitching-weight	G. Reddish	762,439	June 14	1605	350	110	1806
Hitching-weight holder	G. M. Joll	753,885	Mar. 8	1245	280	109	289
Hoe	E. Weber	758,727	May 8	392	57, 58	110	75
Hoe	E. E. Hoxie	750,418	Jan. 26	3704	806	108	875
Hoe	W. Howze	750,857	Feb. 2	147	34	108	1089
Hoe	J. J. Coston	773,256	Oct. 25	4273	903	112	1950
Hoe	A. Abraham	775,701	Nov. 22	4410	931	113	1046
Hoe and plant fender. Adjustable	H. Lemm	777,391	Dec. 13	1823	403	113	1846
		763,830	Mar. 1	1235	277	109	265

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'e	Vol.	Page.
Hoe. Combined wheel and hand.	E. Piggott	751,105	Feb. 2	562	196	108	1187
Hoe-fastening means	G. M. Bright	731,374	Feb. 2	1111	252	108	1284
Hoe or weeder. Wheel	S. Fuller	773,070	Oct. 25	3810	812	112	1842
Hoe. Wheel	E. Piggott	750,218	Jan. 19	3333	720	108	772
Hog-holding implement	W. Bidwell	750,797	Feb. 2	30	6	108	1067
Hog-ringer	G. A. Robinson	757,054	Apr. 19	1685	966	109	1717
Hog-scalding machine	T. E. Jones	759,529	May 10	1929	394	110	457
Hog-tamer	A. C. Decker	750,437	Jan. 26	3747	814	108	884
Hog-trough	J. C. Davis	755,753	Mar. 29	4956	1102	109	1147
Hoist	E. Y. Moore	737,333	Apr. 12	2244	489	109	1836
Hoist	S. T. Wallace	771,108	Sept. 27	3789	800	112	502
Hoist	T. E. Brown	773,084	Oct. 11	1756	391	112	1351
Hoist and power device. Intermittent	A. M. Smith	760,030	May 17	2906	608	110	688
Hoist. Barrel	H. J. Krümpelmann	768,808	Aug. 30	5478	1153	111	2330
Hoist-brake device. Frictional	D. R. Ferguson and A. E. Maccaoun	767,742	Aug. 16	3222	679	111	1799
Hoist-controlling mechanism	J. J. Jordan	777,903	Dec. 20	2874	633	113	2082
Hoist. Power	T. Barrow	771,701	Oct. 4	1957	235	111	1185
Hoists. Rope system for coal-bridge	G. E. Titcomb	752,483	Feb. 16	3199	714	108	1787
Hoisting and carrying device	M. C. Wood	751,237	Feb. 2	863	197	108	1240
Hoisting and carrying machine	J. Melcher	756,872	Apr. 12	1310	122	109	1638
Hoisting and conveying apparatus	O. and J. Johnson	749,198	Jan. 12	1322	28	108	325
Hoisting and conveying apparatus	T. Long	755,681	Mar. 29	4790	1066	109	1109
Hoisting and conveying apparatus	F. N. Wedge	760,286	May 17	3397	716	110	799
Hoisting and conveying apparatus	Y. Tamamura	770,545	Sept. 20	2685	567	112	639
Hoisting and conveying apparatus	H. D. Ga Nung	776,230	Nov. 29	5458	1155	113	1301
Hoisting and conveying apparatus	T. S. Miller	777,122	Dec. 13	1321	1232	113	1736
Hoisting and conveying apparatus	E. M. Holmes	778,582	Dec. 27	4208	917	113	2382
Hoisting and conveying device	J. G. Delaney	752,442	Feb. 16	3134	697	108	1772
Hoisting and conveying mechanism	G. W. Menefee	772,047	Oct. 11	1677	374	112	1333
Hoisting and transferring loads. Means for	C. A. Morris	768,017	Aug. 16	3835	799	111	1923
Hoisting and transferring loads. Mechanism for	C. A. Morris	768,016	Aug. 16	3832	799	111	1922
Hoisting and transferring mechanism	C. A. Morris	768,015	Aug. 16	3822	798	111	1922
Hoisting apparatus	H. D. Stratton	759,201	May 3	1231	248	110	281
Hoisting apparatus	A. N. Hadley	768,746	Aug. 30	5365	1130	111	2305
Hoisting apparatus	C. W. Hunt	769,902	Sept. 13	1450	310	112	344
Hoisting apparatus	C. W. Hunt	769,903	Sept. 13	1452	310	112	345
Hoisting apparatus	C. W. Hunt	769,904	Sept. 13	1453	311	112	345
Hoisting apparatus	R. L. Davis	770,170	Sept. 13	1936	413	112	452
Hoisting apparatus	A. Sundh and D. L. Lindquist	772,005	Oct. 11	1581	354	112	1311
Hoisting apparatus	A. E. Norris	773,219	Oct. 25	4206	890	112	1934
Hoisting apparatus	J. Campbell	774,828	Nov. 15	2535	545	113	599
Hoisting apparatus	W. H. Jessup	777,790	Dec. 20	2598	574	113	2027
Hoisting apparatus	L. Moss	778,502	Dec. 27	4058	883	113	2350
Hoisting-apparatus automatic check and release mechanism.	C. de Mocomble	770,057	Sept. 13	1784	377	112	420
Hoisting apparatus. Electrical	E. B. Clark, 2d	771,351	Oct. 4	254	56 57 58 59 60	112	1015
Hoisting-apparatus guide-sheave	J. W. Hollenbeck and W. E. Palmer	770,857	Sept. 27	3394	695	112	792
Hoisting apparatus. Portable	L. D. Frazee	761,157	May 31	5161	1085 1086	110	1217
Hoisting-bucket	G. P. Wern	764,907	July 12	2082	431	111	472
Hoisting-bucket take-up device	E. B. Perry and W. Bassett	769,232	Sept. 6	187	44.45	112	42
Hoisting device	H. J. Schmick	768,822	Aug. 30	5509	1159	111	2385
Hoisting device	T. S. Miller	776,529	Dec. 6	122	28	113	1452
Hoisting-device operating mechanism	G. E. Turner	771,338	Oct. 4	230	51	112	1010
Hoisting, dumping, and tramping apparatus	N. C. Miller	775,189	Nov. 15	3265	698 699	113	769
Hoisting-engine	J. N. Wright	772,639	Oct. 18	2870	631 632	112	1616
Hoisting-engine	R. Bowles and C. Campbell	776,489	Dec. 6	17	5	113	1427
Hoisting-engine drum	T. S. Miller	761,089	May 31	5031	1067	110	1189
Hoisting equipment	G. W. Bollman	756,821	Apr. 12	1209	270	109	1619
Hoisting-machine	A. E. Handy	761,959	June 7	683	139	110	1589
Hoisting-machine	W. S. Bennett	771,602	Oct. 4	753	748	112	1120
Hoisting-machine brake	F. K. Hoover and A. J. Mason	750,283	Jan. 26	3461	749	108	820
Hoisting mechanism	P. Mullen	751,537	Feb. 9	1380	315	108	1370
Hoisting mechanism	H. Aumund	754,187	Mar. 8	1907	425	109	437
Hoisting mechanism	P. Mullen	760,908	May 24	4659	989	110	1087
Hoisting mechanism	S. Edling	772,138	Oct. 11	1861	413	112	1373
Hoisting mechanism for sucker-rods, &c.	W. M. Brown	767,135	Aug. 9	2067	429	111	1519
Hoisting mechanism. Safety and signaling device for	W. N. Dickinson, Jr	752,659	Feb. 23	3565	794	108	1885
Hoisting-mechanism safety device	W. Burkart and H. A. Williams	777,661	Dec. 20	2363	519 520	113	1976
Holdback	A. E. Handy	759,993	May 17	2838	593	110	673
Holdback and shaft-protector	J. B. French	765,468	July 19	3163	661	111	720
Holdback attachment. Vehicle	J. T. Millen	776,862	Dec. 6	808	175	113	1604
Holdback. Breaching-strap	T. Nichols	748,976	Jan. 6	836	177	108	194
Holdback-fastening	O. C. Davis	776,583	Dec. 6	233	52	113	1451
Holdback-hook	H. Breiding	752,023	Feb. 16	2337	523	108	1595
Holdback. Vehicle	O. M. Knox	769,389	Sept. 6	499	110	112	113
Holder	S. J. Meyerpeter	702,922	June 21	2614	566	110	2045

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. to	Vol.	Page.
Holder	P. J. McGuire	773,964	Nov. 1	862	181	113	198
Holder. Safety.	A. A. Low	774,259	Nov. 8	1408	300	113	333
Holding and draining rack	M. A. Davis	764,714	July 12	1687	345	111	385
Holding securely articles of unequal length and thickness. Appliance for	M. C. Kloeppinger	776,332	Nov. 29	5625	1192	113	1336
Honey-extractor	A. J. Dawson, P. Robertson, and A. E. Bradshaw	764,563	July 12	1375	280	111	317
Honey. Fermenting	C. W. Metcalf	767,905	Aug. 9	2379	497	111	1585
Honey or section-boxes from hives. Apparatus for removing	A. V. Kouba	754,461	Mar. 15	2312	109	584	
Hood and cooking utensil. Combined	J. N. M. de Valdivielso y Martinez de Valdivielso	775,691	Nov. 22	4391	926	113	1044
Hoodwink	W. H. Zimmerman	752,503	Feb. 16	3240	722	108	1795
Hoof and shoe expander	C. R. Lindenberg	773,291	Oct. 25	4345	917	112	1966
Hoof-pad	G. Keller	756,967	Apr. 12	1504	331	109	1673
Hoof-pad.	A. Larsen	751,184	Feb. 2	745	170	108	1217
Hoof-pad.	G. H. Clark	758,955	Mar. 8	1487	334	109	343
Hoof-pad.	E. E. Lemon	757,473	Apr. 29	2326	554	109	1911
Hoof-pad.	J. A. Buck and G. Hassler	776,108	Nov. 29	5307	1100	113	1342
Hoof-pad.	G. Duffield and W. B. Fairweather	776,123	Nov. 29	5239	1106	113	1343
Hoof-pad. Anticontraction steel-bar	J. W. H. Chrisman	767,628	Aug. 16	3031	634	111	1749
Hoof-trimmer	G. W. Thomas	766,852	Aug. 9	1503	314	111	1394
Hoof-trimmer. Lever	J. A. Steinheimer and G. W. Miller	769,776	Sept. 13	2215	261	112	292
Hoof trimming and paring device	W. G. Jackson	767,944	Aug. 9	1248	513	111	1600
Hook:							
See Cant-hook.	Logging-hook.						
Chain-hook.	Pad-hook.						
Check-hook.	Pin-hook.						
Checkrein-hook.	Printer's plate-hook.						
Clamp-hook.	Printer's register-hook.						
Coat and hat hook.	Pruning-hook.						
Corn-busking hook.	Register-hook.						
Draft-hook.	Safety-hook.						
Drapery-hook.	Scrub-hook.						
Fish-hook.	Shackle-hook.						
Garment-hook.	Sister-hook.						
Grappling-hook.	Snap-hook.						
Grass-hook.	Suspender-hook.						
Harness-hook.	Suspension-hook.						
Holdback-hook.	Trace-hook.						
Ice-hook.	Trolley-hook.						
Lace-hook.	Wagon draw-hook.						
Lacing-hook.	Wardrobe, &c., ceiling-hook.						
Ladder-hook.	Whiffletree-hook.						
Lantern-hook.							
Log grab-hook.							
Hook	A. F. Dunn	749,852	Jan. 19	2650	566	108	626
Hook	M. M. Howland	757,117	Apr. 12	1303	394	109	1742
Hook	T. J. Browning	761,030	May 24	4906	1089	110	1142
Hook	A. H. Cobb	770,163	Sept. 13	1927	411	112	450
Hook	G. W. Begole	773,778	Nov. 1	461	101	113	109
Hook and eye	C. Andresen	755,602	Mar. 29	4642	1031	109	1075
Hook and eye	A. G. Miller	755,608	Mar. 29	4643	1031	109	1076
Hook and eye	G. A. Mercer, Jr.	756,876	Apr. 12	1316	394	109	1639
Hook and eye	P. Mulock	761,381	June 7	725	148	110	1597
Hook and eye	J. R. Schrader	767,013	Aug. 9	1808	379	111	1462
Hook and eye	B. D. Richardson	773,592	Nov. 1	113	23	113	31
Hook and eye	G. A. Mercer, Jr.	776,606	Dec. 6	275	61	113	1491
Hook and eye	B. Freedlander	778,574	Dec. 27	4186	913	113	2377
Hook-and-eye-fastening machines. Hook-feeding mechanism for	W. A. Courtland	775,075	Nov. 15	3063	643	113	717
Hook and eye. Garment	W. B. Riley	763,114	June 21	2962	639	110	2121
Hook and eye. Safety-pin	E. A. Campbell	751,610	Feb. 9	1525	347	108	1402
Hook and eye. Safety-pin	E. A. Campbell	773,711	Nov. 1	346	76	113	82
Hook for supporting tenting-cloth	S. Hartman	755,658	Mar. 29	4750	1057	109	1100
Hook-rack	J. H. Rubicam and J. F. Baxter	754,503	Mar. 15	3607	566	109	605
Hooks. Making garment.	H. Kerngood	772,619	Oct. 18	2835	622	112	1609
Hoop:							
See Barrel-hoop.	Embroidery-hoop.						
Cheese-hoop.	Tub-hoop.						
Hoop	J. P. Chaplin	758,820	May 3	481	96	110	117
Hoop-end fastener	J. P. Chaplin	777,840	Dec. 20	2724	600	113	2053
Hoop flaring and sizing machine	C. Grotnes	752,133	Feb. 16	2569	571	108	1647
Hoop pointing and lapping machine	A. F. Ward	774,216	Nov. 8	1327	282	113	317
Hoop staple. Barrel-	F. B. Shuster	770,479	Sept. 20	2552	544	112	608
Hoop tightenor. Tank	H. Nothoff	768,139	Aug. 23	4116	865	111	2008
Hoops to casks or barrels. Machine for applying bilge-	E. C. Thorschmidt	753,014	Feb. 23	4274	952	108	2043
Hoops upon barrels. Machine for tightening the bilge-	T. Flanery and N. Whitehill	756,783	Apr. 5	1133	248	109	1585
Hoops upon barrels. Machine for tightening the head-	T. Flanery and N. Whitehill	756,784	Apr. 5	1135	249	109	1586
Hopper	N. F. Palmer	758,081	May 3	148	32	110	36
Hopper-flange	W. U. Griffiths	773,734	Nov. 1	381	85	113	90
Hopple	J. L. Boone	765,354	July 19	2915	609	111	667
Hopple	J. P. Kline	766,425	Aug. 2	560	119	111	1162
Hopple-loops. Manufacture of	W. Gebert	750,301	Jan. 19	3297	712	108	764
Horn	W. Gebert	752,447	Feb. 15	3142	699	108	1774
Horn-bag	H. Cohen	773,061	Oct. 25	3791	809	112	1837
Horn. Campaign	I. R. Fox	772,411	Oct. 18	2431	533	112	1322
Horn-like material from raw skins. Preparing	L. Lederer	749,297	Jan. 12	1520	.....	108	368
Horn-like substance and producing same. Elastic	E. Jetter	774,077	Nov. 8	2178	.....	113	498
Horn or other material. Machine for treating strips of	J. F. Martin	771,082	Sept. 27	3740	788	112	890
Horn-support	C. Beecroft	751,140	Feb. 2	657	151	108	1200

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Horn-support	V. H. Rapke	751,204	Feb. 2	781	178	108	1224
Horn. Telescopic	J. Sanderson	773,344	Oct. 25	4459	944	112	1989
Horns. Manufacturing	E. A. Schoettel	769,410	Sept. 6	541	117	112	122
Horse-blanket.	L. H. Ayres	749,514	Jan. 12	1996	415	108	467
Horse-blanket.	I. J. Fiegelson	754,294	Mar. 8	2120	471	109	1287
Horse-blanket.	O. H. Muntz (Reissue)	12,353	Aug. 2	1390	289	111	1352
Horse-blanket.	L. F. Mattingly	767,417	Aug. 16	2599	547	111	1651
Horse-blanket.	E. Weldy	778,815	Dec. 27	4638	1013	113	2479
Horse-boot	J. D. Keller	756,792	Apr. 5	1149	254	109	1590
Horse-boot	W. Lane	761,511	May 31	5880	1244	110	1264
Horse-boot	G. W. Phillips and W. H. Way	773,159	Oct. 25	4074	863	112	1906
Horse-boot	L. Lackner	776,334	Nov. 29	5628	1192	113	1337
Horse-breaking device	J. G. Bump	753,848	Mar. 8	1271	285	109	294
Horse-checking device	F. Radolph	768,078	Aug. 23	3985	838	111	1980
Horse-cleaner	G. E. Fredericks	743,227	Jan. 19	2412	509	108	374
Horse-cleaner	G. E. Fredericks	761,952	June 7	670	136	110	1586
Horse-cover	J. L. Kitchen	763,103	June 21	2948	635	110	2117
Horse-detacher	J. Pearson	753,910	Mar. 8	1391	314	109	321
Horse-detacher	W. Schwartz	761,184	May 31	5120	1106	108	1266
Horse-detacher	F. L. Duncan	763,094	June 21	2993	632	110	2114
Horse-detacher	L. S. Morrow	763,198	June 21	3142	675	110	2162
Horse-detacher	J. P. Gardner	763,276	June 21	3280	707	110	2192
Horse-detacher	A. A. Briggs	765,807	July 26	2846	819	111	876
Horse-detacher	A. S. Chivers	771,045	Sept. 27	3660	771	112	873
Horse-detacher	A. S. Irigoyen	773,503	Oct. 25	4798	1011	112	2061
Horse-detacher	W. W. Arnold	773,702	Nov. 1	324	71	113	78
Horse-detacher	T. D. Dunbar	775,803	Nov. 22	4848	975	113	1980
Horse eye-protector	G. E. Southern	749,405	Jan. 12	1763	371	108	417
Horse head-controller	B. W. Kindig, Jr.	748,747	Jan. 5	360	80	108	80
Horse-hoof moisture-pad	J. T. Jennings and T. T. Tuttle	777,514	Dec. 13	2056	452	113	1896
Horse-hoof pad	C. A. Ellis	762,473	June 14	1691	364	110	1825
Horse ice-creeper	C. W. Bolton	764,340	July 5	372	178	111	130
Horse-legs. Spreader for	J. Stanley	751,115	Feb. 2	607	141	108	1190
Horse-overshoe	J. T. Ryan	759,636	May 10	2141	440	110	591
Horse-power	D. Johnson	761,304	May 31	5451	1158	110	1278
Horse-power attachment	A. Q. Gentry and J. A. Burk	761,160	May 31	5169	1097	110	1219
Horse-power. Baling-press	J. M. and E. Valentine	756,084	Mar. 29	5598	1236	109	1330
Horse-rake	M. R. Randolph	731,490	Mar. 15	2901	565	109	604
Horse-releaser	G. H. Slattery	759,200	May 3	1230	248	110	281
Horse-releaser	W. W. Post	767,239	Aug. 9	2270	474	111	1562
Horse-releaser	H. A. Levitt	774,094	Nov. 1	1116	237	113	232
Horse-releaser	C. B. Collins	777,004	Dec. 6	484	236	113	1667
Horse-releasing device	W. E. Bolsta	766,385	Aug. 2	966	191	111	1240
Horse-releasing device	E. A. Barnes	768,578	Aug. 30	5016	1051	111	2227
Horse-shocking device. Electrical	J. A. Giles	752,544	Feb. 16	3371	738	108	1815
Horses running away. Apparatus for preventing.	W. Droste	759,684	May 10	2222	458	110	519
Horseshoe	A. D. Gossett	751,498	Feb. 9	1316	301	108	1357
Horseshoe	W. C. Miller	752,090	Feb. 16	2450	548	108	1630
Horseshoe	C. W. Voskamp	752,609	Feb. 16	2456	773	108	1844
Horseshoe	O. Schramm	753,638	Mar. 1	797	178	109	174
Horseshoe	J. F. Clark	753,668	Mar. 1	868	196	109	188
Horseshoe	J. A. Martin	754,789	Mar. 15	2158	687	109	724
Horseshoe	J. Fisher and A. Corradi	757,445	Apr. 19	2467	539	109	1919
Horseshoe	J. Groenning	758,358	Apr. 26	4286	923	109	2319
Horseshoe	W. E. Sandifer	760,924	May 24	4608	994	110	1092
Horseshoe	J. W. Porcher	761,904	June 7	587	117	110	1570
Horseshoe	J. C. Higgins	762,998	June 21	2738	595	110	2072
Horseshoe	W. O. Harnout	763,283	June 21	3230	710	110	2194
Horseshoe	R. E. Johnson	763,901	June 28	4509	983	110	2477
Horseshoe	M. M. McCain	764,488	July 5	1176	240	111	259
Horseshoe	W. H. Lake	764,950	July 12	2163	448	111	491
Horseshoe	E. Griffiths	765,177	July 19	2576	538	111	593
Horseshoe	J. H. Helfman	765,362	July 19	2930	612	111	670
Horseshoe	J. E. Hoffman	766,039	July 26	4276	916	111	969
Horseshoe	M. D. Glassbrook	767,401	Aug. 16	2569	542	111	1645
Horseshoe	R. B. Price	768,237	Aug. 23	4303	905	111	2048
Horseshoe	J. M. Myers	770,917	Sept. 27	3408	718	112	817
Horseshoe	J. M. Myers	770,918	Sept. 27	3410	719	112	817
Horseshoe	F. D. Palmer and A. H. Isham	772,050	Oct. 11	1684	375	112	1335
Horseshoe	W. H. Lake	774,187	Nov. 8	1278	271	113	806
Horseshoe	C. L. Crush	776,116	Nov. 29	5217	1102	113	1444
Horseshoe	I. G. Howell	777,022	Dec. 6	1126	244	113	1677
Horseshoe	J. Messinger	777,684	Dec. 20	2398	527	113	1954
Horseshoe	J. M. Loper	777,967	Dec. 20	2996	657	113	2107
Horseshoe attachment	J. H. Fink and R. Andlauer	759,810	May 10	2168	516	110	574
Horseshoe attachment	J. Griffin	760,785	May 24	4394	934	110	1035
Horseshoe attachment	J. H. Fink and R. Andlauer	770,359	Sept. 20	2336	492	112	563
Horseshoe-calk	J. Abbs	749,599	Jan. 12	2142	447	108	502
Horseshoe-calk	C. L. Dahly	750,614	Jan. 26	4065	884	108	932
Horseshoe-calk	J. H. Vinton	760,665	May 24	4143	881	108	981
Horseshoe-calk	M. R. Jackson	763,069	June 21	2882	623	110	2104
Horseshoe-calk	B. McKenzie	763,669	June 28	4056	883	110	2381
Horseshoe-calk	W. L. Goodrich	766,499	Aug. 2	733	153	111	1201
Horseshoe-calk	H. Paar	767,711	Aug. 16	3173	664	111	1781
Horseshoe-calk	C. Loibl	768,880	Aug. 30	5644	1185	111	2268
Horseshoe-calk	F. B. Gardner	769,071	Aug. 30	6289	1321	111	2451
Horseshoe-calk	P. T. Bertholf	774,031	Nov. 1	990	207	113	224
Horseshoe-calks. Machine for making	J. H. Vinton	758,607	Apr. 26	4787	1030	109	2429
Horseshoe. Composition	H. Bartley	764,547	July 12	1337	271	111	310

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Horseshoe. Composition.	H. Bartley	774,819	Nov. 15	2507	540	113	894
Horseshoe. Composition.	H. Bartley	774,830	Nov. 15	2508	540	113	894
Horseshoe. Composition.	H. Bartley	776,772	Dec. 6	614	134	113	1562
Horseshoe. Composition.	G. J. Peacock and H. Bartley	776,795	Dec. 6	663	146	113	1573
Horseshoe-creeper	W. J. Stewart	754,022	Mar. 8	1607	358	109	870
Horseshoe-cushion	F. Symons	772,685	Oct. 18	2967	651	112	1627
Horseshoe elastic-calk or creeper	E. M. Coppock	762,806	June 14	2391	515	110	1970
Horseshoe. Elastic-tread	A. W. Jones	749,299	Jan. 12	1534	326	108	868
Horseshoe. Elastic-tread	H. E. Irwin	755,779	Mar. 29	5077	1115	109	1160
Horseshoe elastic-tread attachment.	J. N. Hornblower	767,756	Aug. 16	3246	683	111	1798
Horseshoe-holder	C. Haller	766,443	Aug. 2	593	125	111	1770
Horseshoe ice-creeper	C. H. Reckefus	755,160	Feb. 23	4538	1011	108	2102
Horseshoe-machine	J. Dahlström	760,382	May 17	3563	730	110	836
Horseshoe. Nailless.	D. W. Barr	761,437	May 31	5696	1213	110	1335
Horseshoe-nails. Machine for the manufacture of.	E. E. Pierce and L. W. Newton	752,255	Feb. 16	2766	614	108	1694
Horseshoe-nails. Machinery for the manufacture of.	J. M. Laughlin	749,135	Jan. 5	1174	250	108	272
Horseshoe-overshoe. Detachable.	W. O. Harmon	768,382	June 21	3288	710	110	2193
Horseshoe-pad	J. F. Robinson	752,468	Feb. 16	3172	707	108	1781
Horseshoe-pad	M. Marson	760,796	May 24	4427	942	110	1041
Horseshoe-pad	C. W. Zaring	762,462	June 14	1660	359	110	1818
Horseshoe-pad plate	G. Knapp	777,213	Dec. 18	1477	327	113	1769
Horseshoe. Soft-ground	L. Brigham	768,021	June 7	738	162	110	1611
Horseshoe. Soft-tread	F. M. Miller	776,925	Dec. 6	922	199	113	1630
Horseshoe. Soft-tread	C. B. Taylor	777,315	Dec. 13	1666	369	113	1813
Horseshoes. Making	J. Crowley	757,275	Apr. 12	2103	459	109	1807
Horseshoeing apparatus.	J. Alexander	764,876	July 12	2004	413	111	455
Horseshoeing stand.	S. M. Martin	772,163	Oct. 11	1919	426	112	1384
Horticultural implement	E. Haines	757,739	Apr. 19	3074	669	109	2031
Hose	R. B. Calcutt	753,230	Mar. 1	25	6	109	8
Hose	F. R. Bosch	757,877	Apr. 19	3128	721	109	2088
Hose-bands. Machine for attaching, tightening, and clamping wire	W. A. Cummings	761,151	May 31	5141	1092	110	1213
Hose-binder	J. J. McIntyre and H. Bagshaw	768,188	Aug. 23	4202	883	111	2026
Hose-binder	J. J. McIntyre and H. Bagshaw	773,965	Nov. 1	863	181	113	198
Hose-carrying tongs.	V. H. Baker	763,338	June 21	3392	788	110	2216
Hose-clamp	L. H. Davidson	749,849	Jan. 19	2643	565	108	625
Hose-clamp	M. P. McLaughlin	751,329	Feb. 2	1039	236	108	1279
Hose connection	F. H. Paradise	758,099	Apr. 26	3779	821	109	2205
Hose-coupling	J. Jeffery	748,742	Jan. 5	352	78	108	78
Hose-coupling	J. Ballenberger and C. Scheide-mante	749,253	Jan. 12	1425	305	108	347
Hose-coupling	E. E. Gold	749,483	Jan. 12	1936	402	108	454
Hose-coupling	H. S. and H. S. Patterson	749,496	Jan. 12	1964	408	108	460
Hose-coupling	H. R. Ashby	750,931	Feb. 2	283	67	108	1120
Hose-coupling	O. E. Chaffey	751,259	Feb. 2	912	208	108	1251
Hose-coupling	J. G. H. Brown	751,631	Feb. 9	1570	358	108	1410
Hose-coupling	V. L. Long	763,085	Feb. 16	2443	546	108	1619
Hose-coupling	P. C. Osteen	753,096	Feb. 23	4428	985	108	2078
Hose-coupling	G. Soutar	755,325	Mar. 22	4130	913	109	949
Hose-coupling	F. W. Killen	757,752	Apr. 19	3095	674	109	2036
Hose-coupling	G. Stroh	758,155	Apr. 26	3880	842	110	2229
Hose-coupling	T. F. Downing	758,687	May 3	46	8, 9	110	15
Hose-coupling	G. B. M. Buzzell	758,936	May 3	752	150	110	174
Hose-coupling	W. Liebl	758,985	May 3	800	161	110	185
Hose-coupling	M. P. Stevens	759,324	May 10	1523	306	110	367
Hose-coupling	J. E. Simpson	760,710	May 24	4235	900	110	1001
Hose-coupling	R. M. Dixon	760,856	May 24	4536	967	110	1044
Hose-coupling	J. W. Stewart	761,555	May 31	5901	1264	110	1380
Hose-coupling	A. Backman	761,643	June 7	11	2	110	1438
Hose-coupling	L. Dreifuss	761,950	June 7	667	135	110	1585
Hose-coupling	H. W. McGibbeny	762,339	June 14	1406	304	110	1764
Hose-coupling	J. L. Reinhstrom	762,350	June 14	1422	307	110	1767
Hose-coupling	G. W. White	762,788	June 14	2325	508	110	1961
Hose-coupling	W. E. Meredith	763,010	June 21	2769	600	110	2079
Hose-coupling	E. H. Gold	763,175	June 21	3094	666	110	2151
Hose-coupling	E. Swanenberger and J. Thomson	763,310	June 21	3168	680	110	2167
Hose-coupling	J. Winkler	763,336	June 21	3219	692	110	2173
Hose-coupling	L. R. Nelson	763,317	June 21	3356	729	110	2209
Hose-coupling	J. A. Allen	763,652	June 28	4019	876	110	2371
Hose-coupling	W. H. Bailey	763,837	June 28	4396	955	110	2453
Hose-coupling	C. H. Zessin	764,327	July 5	540	171	111	185
Hose-coupling	F. S. Sweeney and G. L. Farnsworth	764,395	July 5	1692	293	111	223
Hose-coupling	L. B. Colin	764,881	July 12	2012	415	111	457
Hose-coupling	F. Sticker	765,109	July 12	2448	510	111	548
Hose-coupling	L. B. Colin	765,225	July 19	2655	552	111	611
Hose-coupling	S. J. McDonald	765,249	July 19	2697	561	111	620
Hose-coupling	C. W. Morris	766,961	Aug. 9	1720	361	111	1443
Hose-coupling	A. J. Smith	767,843	Aug. 16	3435	726	111	1637
Hose-coupling	F. S. Jewell	767,893	Aug. 16	3325	747	111	1858
Hose-coupling	W. S. Silvis and F. J. Backer	767,966	Aug. 16	3679	776	111	1890
Hose-coupling	S. M. Rhoads	771,094	Sept. 27	3764	708	112	826
Hose-coupling	J. F. McElroy	771,439	Oct. 4	441	100	112	1051
Hose-coupling	L. Stuefee	772,975	Oct. 25	3549	768	112	1733
Hose-coupling	J. A. Nunn	774,196	Nov. 8	1291	274	113	309
Hose-coupling	L. Séne	775,557	Dec. 27	4150	904	113	2371
Hose coupling and shut-off	L. D. Goughenour and J. A. Marx	774,391	Feb. 2	1460	290	108	1320
Hose coupling. Steam	E. H. Gold	761,162	May 31	5172	1099	110	1219
Hose coupling. Universal	J. F. Thomas	773,825	Nov. 1	547	119	113	126

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Hose couplings. Dust-guard for air.	T. Gaughan	759,692	May 10	2234	461	110	322
Hose-drier	H. J. Schools	756,717	Apr. 5	1008	323	109	1557
Hose-drier	C. M. Bowman	758,168	Apr. 26	3900	846	109	2233
Hose-drier	C. M. Bowman	766,985	Aug. 9	1763	370	111	1452
Hose-drier	C. M. Bowman	766,986	Aug. 9	1765	370	111	1453
Hose-drier	C. M. Bowman	774,305	Nov. 8	1488	320	113	352
Hose-lining	W. E. Reid and W. H. Lau	756,140	Mar. 29	5701	1355	109	1312
Hose. Manufacturing	H. H. Shepard and F. H. Fish	748,798	Jan. 5	453	101	108	102
Hose-mender	F. A. Garbutt	756,350	Apr. 5	318	66	109	1411
Hose-mender	J. B. Marvin	733,191	June 21	3129	672	110	2160
Hose-nozzle	C. L. Sankey	753,634	Mar. 1	752	177	109	173
Hose-nozzle	G. Anderson	753,601	Mar. 29	4639	1031	109	1075
Hose-nozzle	F. J. Christman	771,350	Oct. 4	253	55	112	1015
Hose-nozzle	H. E. McKechney	772,910	Oct. 18	3414	740	112	1736
Hose-nozzle holder.	C. F. Brown	755,995	Mar. 29	5433	1201	109	1255
Hose-nozzle holder.	A. L. Chubb	763,594	June 23	3910	850	110	2349
Hose or pipe coupling	S. N. Vernon	762,777	June 14	2308	503	110	1956
Hose-pipe coupling	C. A. G. Storz	764,018	July 5	200	36	111	48
Hose-pipe fastener	F. Bissing	750,340	Jan. 26	3574	774	108	846
Hose pipe or nozzle	D. Fisher	769,602	Sept. 6	888	191	112	301
Hose puller and wringer	J. A. Britton	769,852	May 24	4723	1006	110	1104
Hose-rack	H. J. M. Howard	765,485	July 19	3190	667	111	726
Hose-rack	M. C. Meehan	766,640	Aug. 2	1020	214	111	1268
Hose-reel	E. Cliff	766,170	Aug. 3	27	5	111	1048
Hose-repairing lining	J. McKinley	768,477	Aug. 13	4733	1001	110	1532
Hose, rod, or pipe coupling	A. W. Buchanan	767,923	Apr. 19	3428	742	109	2110
Hose signaling apparatus. Electrical	W. G. Seeley	749,633	Jan. 12	2305	466	108	514
Hose-supporter	J. B. Carolin	749,918	Jan. 19	2782	594	108	657
Hose-supporter	E. N. Humphrey	750,652	Jan. 26	4145	899	108	965
Hose-supporter	A. H. Cohn	752,035	Feb. 16	2353	536	109	1590
Hose-supporter	E. N. Humphrey	752,777	Feb. 23	3774	842	108	1931
Hose-supporter	W. E. Rink	754,347	Mar. 8	2202	490	109	498
Hose-supporter	E. C. Tooker	755,188	Mar. 22	3873	855	109	897
Hose-supporter	A. M. Wilson	755,979	Mar. 29	5407	1195	109	1249
Hose-supporter	A. H. Benjamin	759,853	May 17	2567	536	110	611
Hose-supporter	J. H. Pilkington	762,354	June 14	1870	401	110	1864
Hose-supporter	L. O. Pullen	764,370	July 5	953	192	111	212
Hose-supporter	C. W. Thompson	765,865	July 26	3944	842	111	698
Hose-supporter	A. H. Cohn	766,220	Aug. 2	139	27	111	1071
Hose-supporter	E. E. Hawkins	767,150	Aug. 9	2099	438	111	1525
Hose-supporter	A. W. Benson and H. Greenblatt	768,766	Aug. 30	5399	1137	111	2313
Hose-supporter	M. B. Hammond	769,217	Sept. 6	150	36	112	33
Hose-supporter	M. B. Hammond	769,218	Sept. 6	151	37	112	33
Hose-supporter	W. E. Bowen	772,021	Oct. 11	1607	364	112	1317
Hose-supporter	V. Guinzburg	773,792	Nov. 1	487	106	113	114
Hose-supporter	E. C. Tooker and V. Price	775,587	Nov. 22	4188	881	113	999
Hose-supporter	C. J. White	777,874	Dec. 20	2801	615	113	2068
Hose-supporter and suspenders. Combination.	C. W. Thompson	764,080	July 5	345	67	111	76
Hose-supporter clasp	J. Lindauer	766,272	Aug. 2	272	53	111	1100
Hose-supporter clasp	L. A. and F. M. Fritsch	776,229	Nov. 29	5457	1155	113	300
Hosiery. Seamless	G. H. Gilbert	770,231	Sept. 13	2063	434	112	479
Hosiery-singeing apparatus	R. Meyer. (Reissue)	12,220	May 17	3617	763	110	847
Hot-air and hot-water furnace	L. A. Steyne	753,011	Feb. 23	4266	950	108	2042
Hot-air drier	F. Richards	772,179	Oct. 11	1950	381	112	1390
Hot-air furnace	T. F. Meinhardt	750,114	Jan. 19	3147	677	108	732
Hot-air furnace	W. F. Anthony	751,136	Feb. 2	648	150	108	1198
Hot-air furnace	W. W. Bryan	757,174	Apr. 12	1928	421	109	1771
Hot-air furnace	E. A. Tuttle	757,521	Apr. 19	2626	575	109	1933
Hot-air furnace	P. M. Bruner	759,235	May 10	1851	269	110	328
Hot-air furnace	R. H. Sayre	759,318	May 10	1509	306	110	364
Hot-air furnace	W. H. Tippit	765,866	July 26	3946	842	111	898
Hot-air furnace	G. M. Beard	767,097	Aug. 9	1950	414	111	1503
Hot-air furnace	F. Warner	767,614	Aug. 16	3007	628	111	1744
Hot-air furnace	J. H. Moser	770,691	Sept. 20	2961	629	112	702
Hot-air furnace	A. J. Randall and F. W. Harris	771,026	Sept. 27	3631	764	112	867
Hot-air register	J. Finnegan	755,476	Mar. 22	4474	975	109	1009
Hot-air register	C. H. Lloyd	766,587	Aug. 9	1715	360	111	1442
Hot-air register	C. H. Foster	773,068	Oct. 25	3800	812	112	1840
Hot-air-register attachment.	W. A. and M. D. Kilmer and M. A. Possons.	770,074	Sept. 13	1765	373	112	416
Hot-blast air-feeding center tube.	R. A. Culter	758,237	Apr. 26	4041	374	109	2262
Hot water and steam. Apparatus for supplying.	J. F. Connell	748,445	Jan. 5	551	127	108	125
Hot-water and steam heating engine.	W. Heckert	764,808	July 12	1865	383	111	423
Hot-water boiler	C. Gaebler	760,734	May 24	4297	810	110	1013
Hot-water furnace	F. Lumyér	749,740	Jan. 19	2440	519	108	580
Hot-water furnace	S. Tache	756,909	Apr. 12	1388	308	109	1654
Hot-water generator.	H. Junkers	762,910	June 21	2583	561	110	2087
Hot-water heater	W. Kane	759,380	May 10	1645	333	110	392
Hot-water heater	C. C. Longard	768,395	Aug. 23	4623	968	111	2127
Hot-water heater	L. F. Ducker	769,470	Sept. 6	684	142	112	150
Hot-water heater	J. C. Copridge	769,682	Sept. 6	1041	234	112	298
Hot-water heater	F. E. Stilwell	772,972	Oct. 25	3543	767	112	1782
Hot-water heater	C. C. Longard	773,132	Oct. 25	4050	858	112	1900
Hot-water heater	C. A. Cleveland	773,927	Nov. 1	798	167	113	184
Hothouse-ventilator	E. A. Tousley	764,965	July 12	2194	454	111	496

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House:							
See Apartment-house. Portable house.							
Bath-house. Poultry-house.							
Dry-house. Smoke-house.							
Drying-house. Tool or cement house.							
Greenhouse.							
House-cleaning apparatus.	G. Clements and J. M. Hostler.	751,380	Feb. 2	1123	255	108	1297
House-cleaning apparatus.	G. Clements and J. M. Hostler.	777,002	Dec. 6	1082	335	113	1667
House construction. Space-economizing.	W. C. James.	771,153	Sept. 27	3884	819	112	922
Household implement.	R. Gibbons.	750,357	Jan. 26	3602	781	108	833
Household-tool.	H. H. Tyrrell.	757,981	Apr. 19	3323	764	109	2131
Husk and axle. Vehicle.	W. L. Saunders.	772,537	Oct. 18	2679	589	112	1575
Hub and sprocket. Split.	R. S. Townsend.	750,910	Feb. 2	248	55	108	1112
Hub-attaching device.	S. S. Thomas.	748,892	Jan. 5	640	143	108	143
Hub. Ball-bearing wheel.	B. P. Youmans and H. W. Rand.	749,652	Jan. 12	2238	472	108	520
Hub casing. Vehicle.	G. A. McKeel.	756,044	Mar. 29	5324	1218	109	1274
Hub dust-guard. Vehicle.	W. H. Little.	760,005	May 17	2857	507	110	675
Hub dust or mud cap. Vehicle.	G. A. McKeel.	771,740	Oct. 4	1004	224	112	1173
Hub guard. Wheel.	J. B. Howard.	753,264	Mar. 1	96	25	109	24
Hub. Metal-covered vehicle.	G. A. McKeel.	754,490	Mar. 15	2379	560	109	509
Hub. Motor-vehicle.	E. P. Cowles.	760,684	May 24	4183	889	110	360
Hub or wheel mount.	J. J. McNulty.	762,081	June 7	369	185	110	1632
Hub. Spoke-tension.	C. E. Brownson.	776,382	Nov. 29	5729	1212	113	1361
Hub. Vehicle.	P. Jenness.	749,610	Jan. 12	2159	452	108	505
Hub. Vehicle.	E. Sendelbach. (Reissue).	12,203	Mar. 8	2388	1521	109	538
Hub. Vehicle.	O. E. Johnston.	764,593	July 12	1425	1522	111	323
Hub. Vehicle-wheel.	O. E. Johnston.	756,503	Apr. 5	616	134	109	1472
Hub. Wheel.	W. Sobey.	759,564	May 10	1988	406	110	470
Hub. Wheel.	J. Rosenberg.	760,252	May 17	3337	702	110	785
Hub. Wheel.	F. A. Gould.	765,575	July 19	3347	703	111	759
Hub. Wheel.	F. M. Ashley.	773,497	Nov. 1	2	2	112	2
Hub. Wheel.	H. N. Thayer.	773,903	Nov. 1	739	157	113	169
Hub. Wheel.	L. Zamboni.	774,927	Nov. 15	2737	587	113	647
Hub. Wheel.	M. Lachman.	775,979	Nov. 29	4969	1048 1049	113	1187
Huller:							
See Bean-huller. Pea-huller.							
Clover-huller. Seed-huller.							
Grain-huller.							
Hulling and scouring machine.	F. A. Loescher.	753,152	Feb. 23	4520	1008	108	3098
Hulling-machine.	H. Kurth.	769,095	Aug. 30	6066	1269	111	2469
Hulling-machine.	N. E. Alman.	773,094	Dec. 20	3223	712	113	2156
Humidifier.	R. G. Campbell.	766,989	Aug. 9	1770	371	111	1454
Humidifier.	A. Clarkson.	771,460	Oct. 4	472	107	112	1059
Humidifier or air-moistening apparatus.	S. W. Cramer.	778,172	Dec. 20	3381	743	113	2187
Hunting-knife. Folding.	M. H. Rowland.	770,118	Sept. 13	1847	1028	112	433
Husker and shredder.	A. E. Sheasley.	773,530	Oct. 25	4576	1029	112	2080
Husking implement.	H. J. Tillia.	769,964	Sept. 13	1572	335	112	371
Husking-roll.	H. L. Ferris.	765,233	July 19	2669	555	111	614
Husking-roll.	E. R. Benjamin.	770,888	Sept. 27	3354	708	112	805
Hydrant.	W. W. Corey.	770,991	Jan. 19	2980	628	108	628
Hydrant.	W. Volkhardt.	750,415	Jan. 26	3700	803	108	874
Hydrant.	R. L. Pollock.	764,864	July 12	1986	409	111	451
Hydrant.	A. J. Thompson.	773,439	Oct. 25	4558	983	112	2032
Hydrant system for country houses.	J. Johnson and E. Hitz.	749,563	Jan. 12	2085	433	108	489
Hydraulic apparatus.	W. Astfalck.	754,113	Mar. 8	1782	397 398	109	409
Hydraulic apparatus. Means for controlling.	W. Astfalck.	764,412	July 5	1028	209 210	111	239
Hydraulic arresting device.	O. H. Ensign.	752,538	Feb. 16	3304	735	108	1512
Hydraulic engine and pump.	C. H. Pagett.	752,096	Feb. 16	2464	550	108	1624
Hydraulic-engineering device.	D. J. Feuerlöcher.	777,619	Dec. 13	2278	500	113	1943
Hydraulic intensifier.	C. B. Albrece.	763,833	June 28	4390	954	110	2450
Hydraulic jack.	R. H. Stillman.	757,512	Apr. 19	2607	572	109	1923
Hydraulic lift.	R. H. Campbell.	768,720	June 28	4165	907	110	2404
Hydraulic machine and valve therefor.	W. H. Derbyshire.	756,395	Apr. 5	770	167	109	1505
Hydraulic main.	E. N. Trump.	754,104	Mar. 8	1767	393	109	405
Hydraulic motor.	D. McIntyre.	749,625	Jan. 12	2183	498	108	509
Hydraulic motor.	W. P. Powers.	764,629	July 12	1507	309	111	346
Hydraulic motor. Reciprocating.	W. W. Allen.	766,801	Aug. 9	1395	291	111	1371
Hydraulic motor.	J. Grüninger.	765,243	Aug. 2	201	40	111	1085
Hydraulic press.	H. O. Westmark.	760,592	May 24	3977	845	110	946
Hydraulic press.	P. W. Fuller.	760,978	May 24	4772	1015	110	1115
Hydraulic press.	E. Crowe.	762,149	June 7	1023	213	110	1660
Hydraulic press.	E. Crowe.	764,521	July 5	1255	258	111	274
Hydraulic press.	E. Crowe.	764,522	July 5	1256	258	111	274
Hydraulic press.	E. Crowe.	765,562	July 19	3327	698	111	735
Hydraulic press.	O. Philipp.	769,181	Sept. 6	85	21	112	20
Hydraulic press.	E. G. Budd.	774,154	Nov. 8	1213	259 260	113	290
Hydraulic press.	O. Philipp and R. Trentzsch.	775,853	Nov. 22	4694	994	113	1108
Hydraulic press.	C. Prött.	776,934	Dec. 6	954	204	113	1638
Hydraulic press.	E. Dor-Delattre.	777,249	Dec. 13	1537	341 342	113	1783
Hydraulic press.	O. Philipp.	777,975	Dec. 20	3025	666	113	2111
Hydraulic-press multiplier.	A. Deries and C. Umbach.	777,098	Dec. 5	1038	237	113	1689
Hydraulic-pressure apparatus.	J. W. Brainwell.	778,168	Dec. 20	3376	742	113	2187
Hydraulic pressure-testing apparatus.	A. N. Johnson.	756,644	Apr. 5	847	184	109	1522
Hydraulic separator. Pneumatic.	F. W. Hopkins.	761,645	Feb. 9	1591	362	108	1415

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Hydraulic separator. Pneumatic	W. R. Grant	771,874	Oct. 11	1309	295	112	1253
Hydrocarbon-burner	C. A. Hammel	748,862	Jan. 5	587	133	108	132
Hydrocarbon-burner	J. A. Walkley	748,897	Jan. 5	656	146	108	147
Hydrocarbon-burner	W. E. Gibbs	750,962	Feb. 2	241	81	108	1133
Hydrocarbon-burner	W. E. Gibbs	751,066	Feb. 2	532	151	108	1174
Hydrocarbon-burner	A. B. Blackburn	751,249	Feb. 2	896	204	108	1248
Hydrocarbon-burner	G. N. Wolf	751,968	Feb. 9	2217	499	108	1551
Hydrocarbon-burner	E. B. Badlam	752,193	Feb. 16	2632	584	108	1662
Hydrocarbon-burner	G. W. Dräsel	752,890	Feb. 23	4005	898	108	1968
Hydrocarbon-burner	W. E. Gibbs	752,900	Feb. 23	4024	901	108	1987
Hydrocarbon-burner	C. Schweizer	752,928	Feb. 23	4103	914	108	2005
Hydrocarbon-burner	L. E. Coleman	753,825	Mar. 1	1226	276	109	262
Hydrocarbon-burner	W. H. Thornley	754,103	Mar. 8	1734	392	109	404
Hydrocarbon-burner	G. W. Arper	754,112	Mar. 8	1781	395	109	409
Hydrocarbon-burner	A. J. Smithson	755,717	Mar. 29	4873	1083	109	1130
Hydrocarbon-burner	C. H. Barton, H. E. Henrichsen, J. S. Cousins, and C. L. Matthews.	756,317	Apr. 5	246	51	109	1396
Hydrocarbon-burner	J. Graham	756,493	Apr. 5	602	130	109	1469
Hydrocarbon-burner	B. A. Moody	756,796	Apr. 5	1160	237	109	1592
Hydrocarbon-burner	W. D. Tucker	756,914	Apr. 12	1396	310	109	1656
Hydrocarbon-burner	T. H. Delaney	757,027	Apr. 12	1628	354	109	1704
Hydrocarbon-burner	J. L. Hague	759,881	May 17	2614	673	110	622
Hydrocarbon-burner	A. C. Rush	760,703	May 24	4220	897	110	997
Hydrocarbon-burner	J. G. Camp	760,729	May 24	4281	909	110	1010
Hydrocarbon-burner	W. W. Porter	761,098	May 31	5054	1073	110	1194
Hydrocarbon-burner	J. H. Herritt	762,408	June 14	1534	387	110	1790
Hydrocarbon-burner	C. W. Sponkel	762,664	June 14	1670	448	110	1907
Hydrocarbon-burner	R. Mateson	765,027	July 12	2287	476	111	516
Hydrocarbon-burner	W. R. Jeavons	766,358	Aug. 2	435	92	111	1136
Hydrocarbon-burner	C. H. Montgomerie y Agramonte	766,721	Aug. 2	1197	251	111	1307
Hydrocarbon-burner	J. A. Hunt	766,884	Aug. 9	1571	330	111	1409
Hydrocarbon-burner	T. Simon	768,155	Aug. 23	4145	872	111	2015
Hydrocarbon-burner	P. Ulmann	768,352	Aug. 23	4517	950	111	2095
Hydrocarbon-burner	A. M. Hunt and T. Mirk	768,367	Aug. 23	4553	956	111	2104
Hydrocarbon-burner	A. M. Hunt and T. Mirk	768,368	Aug. 23	4554	957	111	2104
Hydrocarbon-burner	N. Edwards	768,525	Aug. 23	4884	1064	111	2181
Hydrocarbon-burner	A. C. Rush	769,112	Aug. 30	6101	1276	111	2469
Hydrocarbon-burner	L. E. Coleman	771,790	Oct. 11	1505	340	112	1293
Hydrocarbon-burner	B. C. Woodford	772,016	Oct. 11	1600	363	112	1316
Hydrocarbon-burner	C. B. Ellmirt	773,488	Oct. 25	4756	1004	112	2052
Hydrocarbon-burner	C. H. Montgomerie y Agramonte	773,888	Nov. 1	701	147	113	161
Hydrocarbon-burner	W. T. Wood	776,161	Nov. 29	5307	1133	113	1265
Hydrocarbon-burner	G. E. Whitney	777,578	Dec. 13	2195	482	113	1926
Hydrocarbon-burner	E. T. Curran	777,665	Dec. 20	2370	521	113	2178
Hydrocarbon-burner	O. D. Armstrong	777,997	Dec. 20	3060	673	113	2118
Hydrocarbon-burner	C. F. Carrell	778,443	Dec. 27	3942	857	113	2325
Hydrocarbon-burner	L. K. Leahy (Reissue)	12,248	Dec. 27	4695	1027	113	2493
Hydrocarbon-burner and water-feed therefor	E. G. Mummery	777,481	Dec. 13	1991	441	113	1883
Hydrocarbon-burner. Crude.	A. C. Rush	782,593	Feb. 16	3408	759	108	1835
Hydrocarbon-burner for boilers or other purposes	I. Carl	784,708	July 12	1676	343	111	382
Hydrocarbon-burning apparatus	J. M. McMurtree	787,079	Aug. 9	1946	406	111	1493
Hydrocarbon-burner	W. N. Best	782,195	Feb. 16	2636	585	108	1663
Hydrocarbon-engine. Multiple-cylinder	E. L. Russell	758,854	May 3	535	109	110	127
Hydrocarbon-furnace	W. E. Gibbs	762,047	June 7	835	172	110	1618
Hydrocarbon-furnace	W. E. Jackson	777,789	Dec. 20	2597	574	113	2027
Hydrocarbon-lighting apparatus	F. E. Mavrogordato	758,057	Apr. 26	3752	816	109	2198
Hydrocarbon-motor	L. Cordonnier	762,577	June 14	1904	410	110	1870
Hydrocarbon-retort	G. W. Arper	771,855	Oct. 11	1260	282	112	1243
Hydrocarbon. Sulfo-iodin compound of	F. T. F. Stephenson	755,808	Mar. 29	5066	982	109	1171
Hydrocarbon-vapor burner	W. S. Proskoy	752,102	Feb. 16	2472	552	108	1626
Hydrocarbon-vapor burner	H. B. Cary	769,981	Sept. 13	1606	343	112	78
Hydrocarbon-vapor burner	R. E. Burgess	773,192	Oct. 25	4141	875	112	1920
Hydrocarbon-vapor engine	W. W. Tuck and A. Wassmann	763,831	Mar. 1	210	47, 48	109	48
Hydrocarbon-vaporizing apparatus	A. S. Newby	766,513	Aug. 2	756	158	111	1205
Hydrogen carbide. Producing.	H. S. Blackmore	770,214	Sept. 13	2023	428	112	473
Hydrogen-generator	H. S. Elworthy	773,183	Dec. 20	3413	749	113	2192
Hydrometer	H. E. Broester	748,838	Jan. 5	536	123	108	121
Hydrometer and syringe. Combined.	R. Van Benthuyzen	756,546	Apr. 5	691	149	109	1488
Hydrometer-guard	A. B. Porter	756,702	Apr. 5	965	213	109	1550
Hydroxides and oxides of metals by electrolysis. Production of	F. F. Hunt	748,609	Jan. 5	95	25	108	23
Hydroxyalkylanilin. Making	W. Behaghel and G. C. Schumann	778,772	Dec. 27	4554	113	2460	
Ice. Apparatus for the production of	W. E. Crane	763,089	June 21	2923	630	110	2112
Ice-chisel and ice-chipper. Combined	A. Wagner	766,558	Aug. 2	832	178	111	1227
Ice-conveying apparatus	H. Westergaard	762,510	June 14	1730	376	110	1840
Ice-cream cabinet. Brick	W. E. Brown	756,094	Mar. 29	5618	1239	109	1294
Ice-cream cutter or scraper	W. C. Betts	753,843	Mar. 8	1265	283	109	293
Ice-cream freezer	J. Prade	750,121	Jan. 19	3162	680	108	735
Ice-cream freezer	J. P. Perkins	753,622	Mar. 1	768	171	109	166
Ice-cream freezer	J. W. Carrier	755,216	Mar. 22	3026	869	109	908
Ice-cream freezer	J. Prade	756,704	Apr. 5	968	213	109	1550
Ice-cream freezer	A. Stern and J. McLean	758,791	May 3	420	84	110	103
Ice-cream freezer	H. J. Gerner	759,097	May 3	1005	204	110	208
Ice-cream freezer	H. Lohse	773,512	Oct. 25	4824	1015	112	2668
Ice-cream freezer. Continuous	H. J. Gerner	749,286	Jan. 12	1510	322	108	363

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Ice-cream mold	G. F. Dickson	768,732	June 28	4185	919	110	2408
Ice-cream or the like. Making	H. J. Gerner	772,656	Oct. 18	2901	638	112	1623
Ice-cream-packing cabinet	E. Hadley	751,168	Feb. 2	716	164	108	1210
Ice-creeper	J. E. Toscan and C. J. Cady	749,342	Jan. 12	1622	344	108	391
Ice-creeper	C. F. Recknagel	754,500	Mar. 15	2903	566	109	604
Ice-creeper	C. H. Roopen	761,915	June 7	607	122	110	1574
Ice-creeper	C. F. Jolitz	767,565	Aug. 16	2902	607	111	1721
Ice-creeper	G. P. Browning	772,778	Oct. 18	3163	688	112	1678
Ice-creeper. Detachable	J. E. Toscan	776,874	Dec. 6	831	179	113	1610
Ice-cutter	H. M. Hunt	772,805	Oct. 18	3205	697	112	1688
Ice-cutting machine	H. Reinhold	768,519	Mar. 1	575	181	109	125
Ice-cutting machine	J. H. Gibson	758,968	May 3	764	153	110	177
Ice-cutting machine	R. Mowery	766,111	July 26	4423	947	111	1001
Ice-cutting machine	F. J. Reinhold	777,976	Dec. 20	3027	666	113	2111
Ice-freezing plate	W. J. Woodcock	768,972	June 21	2698	585	110	2063
Ice from antennae. Device for clearing	L. de Forest and W. G. Clark	750,181	Jan. 19	3270	705	108	758
Ice-hauling machinery	H. H. Porter, Jr.	761,320	May 31	5482	1166	110	1285
Ice-handling tool	A. B. Selden	769,239	Sept. 6	198	47	112	44
Ice-hook	T. J. Ball	758,811	May 3	461	92	110	113
Ice-hook	R. Hughes	764,946	July 12	2155	447	111	489
Ice implement	H. J. Conover	771,419	Oct. 4	412	92	112	1645
Ice-machine gas-compressor	756,529	Apr. 5	661	142	109	1482	
Ice-making apparatus	H. Stout	752,477	Feb. 16	3186	711	108	1784
Ice-making machine	R. F. Learned	753,081	Feb. 23	4404	979	108	2074
Ice-pick	J. M. Dieterle	749,665	Jan. 12	2970	759	108	527
Ice-planer. Elevator	J. G. Bodenstein	760,844	May 24	4515	962	110	1059
Ice-planer. Field	J. G. Bodenstein	760,845	May 24	4516	962	110	1060
Ice. Producing	W. E. Crane	763,090	June 21	2929	631	110	2113
Ice-shaver	S. E. Perkins	773,673	Nov. 1	267	61	113	63
Ice-shaving machine	F. J. Reinhold	753,161	Feb. 23	4370	1019	2102	
Ice-table	J. Kanatz	754,144	Mar. 8	1833	408	109	421
Ice-tank	F. J. Hopkins	754,772	Mar. 15	3109	679	109	714
Ice-tank	B. F. Daly	766,600	Aug. 2	942	198	111	1250
Ice-tongs	W. J. Woodcock	763,973	June 21	2699	585	110	2063
Identification-card	B. L. Behrendt	751,247	Feb. 2	894	204	108	1347
Identification-card	L. L. Smith	770,560	Dec. 6	189	42	113	1470
Identification device	H. Conley	759,866	May 17	2591	541	110	616
Identification. Method of	F. H. De Pue	752,617	Feb. 16	3479	775	108	1847
Identification-slip holder	F. O. Hicks	774,754	Nov. 15	2378	513	113	566
Igniter. Electric	H. B. McNulty	773,411	Oct. 25	4598	971	112	2019
Igniter for explosive motors. Electric sparking	L. J. Phelps	768,687	Aug. 30	5254	1106	111	2379
Igniter mechanism. Sparking	C. C. and E. A. Riotte	758,217	Apr. 26	3995	868	109	2253
Igniter. Sparking	E. Eismann	772,649	Oct. 18	2889	635	112	1621
Igniters. Protecting device for self-acting	J. Kellermann	774,844	Nov. 15	2568	552	113	607
Ignition material	R. E. A. Gans	773,492	Oct. 25	4781	112	2058	
Illuminated indicator	E. Kaye	756,860	Apr. 12	1286	109	1684	
Illuminating and advertising device	F. De Mare	760,058	May 17	2958	616	110	701
Illuminating-body	M. Korff	748,753	Jan. 5	371	83	108	82
Illuminating effects. Apparatus for producing	O. Jungmans	769,348	Sept. 6	428	96	112	94
Illuminating prism-plate	F. L. O. Wadsworth	749,761	Jan. 19	2481	528	108	590
Illuminating structure	F. L. O. Wadsworth	755,196	Mar. 23	3896	860	109	901
Illuminating structure	F. L. O. Wadsworth	755,197	Mar. 23	3898	860	109	902
Illuminating structure	F. L. O. Wadsworth	758,877	May 3	606	120	110	144
Illuminating structure	F. L. O. Wadsworth	752,429	Feb. 16	3111	691	108	1767
Images by apertures. Apparatus for producing	U. C. Ewing	773,262	Oct. 25	4714	881	112	1927
Images. Forming	U. Nehring	772,471	Oct. 18	2560	563	112	1550
Impact-engine	H. Holzwarth	750,974	Feb. 2	361	87	108	1138
Impact-motor	E. Huber	770,291	Sept. 20	2213	461	112	534
Implement attachment	C. A. Adams	774,143	Nov. 8	1195	255	113	287
Implement. Combination	B. F. Schubert	758,282	Apr. 26	4138	894	109	2283
Implement fastening device	C. Ehrenfeld	764,283	July 5	750	153	111	166
Implement. Pocket	W. H. Nicholls	767,423	Aug. 16	2607	549	111	1653
Incandescent bodies. Means for suspending	E. Kramer	763,678	June 28	4073	886	110	2384
Incandescent burner	J. A. Bowen	766,418	Aug. 2	549	116	111	1160
Incandescent burner	H. B. Cox	769,533	Sept. 6	776	167	112	176
Incandescent burner	J. B. Salo	773,680	Nov. 1	284	64	113	67
Incandescent filaments and mantles. Manufacture of	A. M. Plaissetty	768,073	Aug. 23	3979	836	111	1979
Incandescent-light burner	M. D. Compton	752,041	Feb. 16	2863	529	108	1601
Incandescent-light mantles, &c. Machine for cutting	O. A. Russell	760,760	May 24	4347	923	110	1024
Incandescent light. Retort	A. O. Mygatt	755,687	Mar. 29	4801	1069	109	1112
Incandescent light. Street	V. H. Slinack	776,360	Nov. 29	5686	1204	113	1352
Incandescent mantle	R. J. A. D'Heureuse	765,179	July 19	2578	539	111	593
Incandescent mantle	M. Offenber	769,449	Sept. 6	605	132	112	137
Incandescent mantle and manufacturing same	W. K. L. Dickinson	760,317	May 17	3451	727	110	810
Incandescent-mantle burner	J. H. Slinack	764,155	July 5	465	96	111	105
Incandescent-mantle-burner igniting device	H. C. Thomson	766,005	July 26	4218	899	111	957
Incandescent-mantle frame	E. Lippitt	761,592	May 31	5964	1270	110	1396
Incandescent-mantle support	A. N. Spooner	760,314	May 24	4460	949	110	1048
Incandescent-mantle support	M. Hierskovitz	765,407	Aug. 16	2577	543	111	1647
Incandescent-mantle-supporting device	A. B. Selden	770,826	Sept. 27	3245	683	112	731
Incandescent mantles. Fixture-arm burner for	J. Hutchinson	773,793	Nov. 1	488	107	113	114
Incandescent mantles or illuminating bodies. Manufacture of threads for	A. M. Plaissetty	756,888	Apr. 12	1342	298	109	1645
Incinerating-furnace	F. L. Stearns	772,681	Oct. 18	2959	649	112	1636
Inclosing device	A. G. Eneas	752,537	Feb. 16	3302	735	108	1812
Incrustation preventive	L. R. Hurst and G. H. Beechum	762,635	June 14	2018	110	1895	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Incubator	J. H. Boyd	749,356	Jan. 12	1648	350	108	396
Incubator	G. Hacker	740,858	Jan. 19	2058	568	108	628
Incubator	T. P. Adams	759,833	Jan. 26	3601	771	108	844
Incubator	N. Cruser and J. W. Clement	751,383	Feb. 2	1126	256	108	1298
Incubator	F. E. Dolph and S. R. Knapp	755,639	Mar. 29	4717	1048	109	1092
Incubator	E. W. Philo	756,377	Apr. 5	168	34	109	1379
Incubator	C. W. Zimmer	762,371	June 14	1466	320	110	1776
Incubator	A. G. Smith	768,631	Aug. 30	5131	1078	111	2252
Incubator	F. W. Iden	770,967	Sept. 27	3512	740	112	842
Incubator	J. Burger	771,707	Oct. 4	956	214	112	1164
Incubator	C. E. and G. W. Goss	774,070	Nov. 1	1065	238	113	240
Incubator	W. H. Hughes	774,076	Nov. 1	1077	231	113	243
Incubator and brooder	E. T. Tolhurst and W. Wilson	756,990	Apr. 12	1546	340	109	1686
Incubator-brooder	C. H. Sperle	769,505	Sept. 6	724	156	112	164
Incubator egg-tray	C. E. Adair	749,143	Jan. 12	1202	257	108	295
Incubator egg-turner	W. E. Campbell	771,048	Sept. 27	3657	771	113	872
Incubator-heater	G. R. Smith	770,124	Sept. 13	1857	395	112	436
Incubator-heating apparatus.	M. M. Johnson	752,230	Feb. 16	2713	600	108	1682
Incubator-heating apparatus.	G. K. Caviness and C. J. Yarrington	778,304	Dec. 27	3657	798	113	2264
Incubator. Infant.	C. H. How	759,612	May 10	2089	439	110	490
Incubator or brooder and heat-controlling device therefor.	H. A. Brooks	772,866	Oct. 18	3317	724	112	1714
Incubators or hothouses. Automatic signaling apparatus for	H. B. Ault	752,431	Feb. 16	3114	691	108	1768
Independently-rotating wheel	J. J. Weiler	756,086	Mar. 29	5604	1237	109	1291
Index	B. G. Chappee	755,546	Mar. 1	634	143	109	139
Index	H. M. Rudasill	758,477	Apr. 26	4518	970	109	2369
Index	R. Bogue	764,416	July 5	1035	211	111	230
Index and advertising device.	C. F. West	759,507	Jan. 26	3879	842	108	812
Index and display device. Exhibitional	C. Heller	758,916	May 3	871	135	110	158
Index and filing-case. Invoice	W. H. Bassinger	751,042	Feb. 2	479	112	108	1164
Index and receptacle. Card	F. D. Belknap	775,696	Nov. 22	4401	929	113	1046
Index. Card	W. D. Sparrow	759,493	May 10	1841	371	110	438
Index. Card	C. W. Weston, Jr.	761,119	May 31	5086	1060	110	1200
Index. Code	C. G. Burke	756,309	Apr. 5	26	6	109	1348
Index. Code	C. G. Burke	756,468	Apr. 5	557	116	109	1461
Index. Ledger	G. C. Shepherd	757,510	Apr. 19	2601	570	109	1928
Index. Map	E. Heubach	775,401	Nov. 22	3765	796	113	908
Index marker. Card	G. F. Williamson	770,788	Sept. 27	3148	667	112	750
Index or the like. Card	B. Brower	769,855	Sept. 13	1375	294	112	380
Index-pin precisionizer	F. H. Richards	766,792	Aug. 2	1357	284	111	1343
Index-rod-locking device. Card	C. A. Weidner	760,404	May 17	3605	760	110	845
Index system	P. W. Sommer	761,422	May 31	5673	1207	110	1330
Indexing-card holder	H. Scudder	757,686	Apr. 19	2969	646	109	2009
Indexing device or card-record system.	A. L. Allin	772,326	Oct. 11	2246	493	112	460
Indicating character	J. E. Hosmer	776,182	Nov. 29	5351	1131	113	1276
Indicating instrument	W. B. Potter	768,343	Aug. 23	4501	946	111	2092
Indicator:							
See Angle-indicator.	Micrometer-indicator.						
Car-indicator.	Navigator's position-indicator.						
Cash-indicator.	dicator.						
Clock winding-indicator.	Office-indicator.						
Electric indicator.	Oil-supply indicator.						
Electric-oscillation indicator.	Oven-door indicator.						
Electrical indicator.	Power-factor indicator.						
Engine-indicator.	Pressure-indicator.						
Fare-indicator.	Route-indicator.						
Fluid indicator.	Scale-indicator.						
Fluid-tank indicator.	Ship's-course indicator.						
Fluorescent indicator.	Speed-indicator.						
Game-indicator.	Station-indicator.						
Illuminated indicator.	Street and station indicator.						
Laundry-tub water-indicator.	Street or station indicator.						
Liquid-level indicator.	tor.						
Liquid-receptacle indicator.	Street, station, program, or advertising indicator.						
Maximum-demand indicator.	Switch-indicator.						
	Thermal indicator.						
	Tide and draft indicator.						
	Watch winding-indicator.						
	Winding-indicator.						
Indicator	J. A. Kellogg and J. D. Brady	753,798	Mar. 1	1156	261	109	248
Indicator	H. J. Rich	763,021	June 21	2782	603	110	2082
Indicator	G. A. Browne	763,956	July 5	12	3	111	5
Indicator	F. J. B. Cordeiro	776,297	Nov. 29	5561	1178	113	1323
Indicator	C. E. Hawkins and F. Cary	777,354	Dec. 13	1548	344	113	1786
Indicator-connecting snap. Automatic	E. G. Taylor	777,758	Dec. 20	2930	560	113	2014
Indicator or display apparatus.	W. J. Baker	764,333	July 5	855	175	111	187
Indigo and making same. Chlorinated	P. E. Oberreit	761,007	May 24	4894	1020	110	1126
Indigo. Making	R. Knietseh, F. Seidel, and O. J. Meiser	776,732	Dec. 27	4511	113	113	2450
Indigo. Manufacture of brominated	A. Schmidt and R. Müller	765,996	July 26	4191	111	111	952
Indigo. Purifying	P. E. Oberreit	765,590	July 19	3374	111	111	765
Indigos. Discharging halogen	A. J. Stieglmann and K. Reinking	760,817	May 24	4465	110	110	1049
Indoxyl and derivatives. Making	R. Knietseh, F. Seidel, and G. W. Meiser	756,171	Mar. 29	5747	109	109	1322
Indoxyl, &c. Making	A. Bisclier	761,440	May 31	5705	110	110	1337

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr & C.	Vol.	Page.
Indoxyl, &c. Making	A. Bischoff	776,884	Dec. 6	885	-----	113	1615
Indoxyl compounds. Making	W. Lehagel and G. C. Schumann	772,753	Oct. 18	818	-----	112	1678
Induction apparatus	G. M. Christoph	777,496	Dec. 13	2018	445	113	1888
Induction-coil	C. F. Splittdorf	752,008	Feb. 9	2313	517	108	1571
Induction-coil	R. Miller, Jr.	754,666	Mar. 15	2914	636	109	1668
Induction-coil	R. Varley	757,523	Apr. 19	2630	576	109	1983
Induction-coil	R. Varley	757,524	Apr. 19	2633	577	109	1984
Induction-coil	R. Varley	757,525	Apr. 19	2634	577	109	1984
Induction-coil	J. Splittdorf	771,332	Oct. 4	218	49	112	1007
Induction-coil	R. Varley	772,590	Oct. 18	2786	614	112	1598
Induction-coil	R. Varley	772,591	Oct. 18	2787	614	112	1599
Induction-coil	R. Varley	772,592	Oct. 18	2788	614	112	1599
Induction-coil	R. Varley	772,593	Oct. 6	476	105	113	1382
Induction-coil. High-potential.	T. B. Kinraide	770,432	Sept. 20	2460	521	112	589
Induction-coil vibrator	R. Varley	757,527	Apr. 19	2638	578	109	1985
Induction-coil vibrator	R. Varley	762,776	June 14	2305	503	110	1956
Induction-motor	P. G. Watmough, Jr.	755,819	Mar. 29	3083	1129	109	1175
Induction-motor. Alternating-current	G. B. Dusinger	768,374	June 28	3832	829	110	2206
Induction-motor. Alternating-current	G. B. Dusinger	768,347	June 28	3832	829	110	2332
Influence-machine	I. W. Detwiller	769,433	Sept. 6	577	126	112	131
Ingot and forming same	H. W. Lash	749,490	Jan. 12	1954	406	108	458
Ingot. Compound metal	R. Rowley	758,387	Apr. 26	4348	933	109	2330
Ingot-crane	C. L. Taylor	754,910	Mar. 15	3374	738	109	771
Ingot-mold	C. A. Leibman	757,308	Apr. 12	1984	432	109	1783
Ingot-perfecting apparatus	R. W. Hunt	755,496	Mar. 22	4436	985	109	1016
Ingot-perfecting machine.	R. W. Hunt.	755,368	Mar. 22	4214	933	109	970
Ingot or like pieces under the hammer. Machine for handling	G. F. Poy	749,049	Jan. 5	1000	212	108	232
Ingots. Shearing mechanism for cutting	J. R. George	773,561	Nov. 1	53	11	113	16
Ingots with solid ends. Producing pierced	L. D. Davis	750,824	Feb. 2	75	16	108	1074
Inhaler	C. T. Gamble	753,133	Feb. 23	4487	999	108	2091
Inhaler	S. O. Cuddeback	756,154	Apr. 3	328	68	109	1416
Inhaler	G. L. Bennett	759,133	May 3	1111	225	110	253
Inhaler	J. Q. A. Haughey	759,885	May 17	2621	540	110	623
Inhaler	S. H. Linn	770,013	Sept. 13	1669	355	112	394
Inhaler and respirator	J. W. Swindell	758,719	May 3	272	54	110	70
Inhaler and sprayer	J. E. Anderson	766,372	Nov. 29	3704	1207	113	1357
Inhaler. Anesthetic.	G. L. Bennett	768,867	Aug. 9	1536	310	111	1398
Inhaler. Anesthetic-vapor	G. L. Bennett.	757,013	Apr. 12	1601	348	109	1698
Initiation apparatus	P. F. Haberstick	766,614	Aug. 2	978	205	111	1254
Injecting apparatus	J. S. George	756,312	July 19	2923	588	111	647
Injector	S. L. Kneass	759,922	Jan. 19	3235	712	108	705
Injector	L. E. Hogue	776,840	Dec. 6	755	167	113	1535
Injector	M. Erfurt	778,122	Dec. 20	3301	725	113	2168
Injector. Air	T. H. Stamp	773,236	Oct. 25	4239	896	112	1942
Injector-burner	A. C. Cunningham	771,464	Oct. 4	479	108	112	1060
Injector-burner	A. C. Cunningham	771,465	Oct. 4	480	108	112	1060
Injector. Steam	J. Desmond	759,182	May 3	1129	229	110	256
Injector. Steam-boiler	T. J. Sweeney	757,840	Apr. 19	3277	709	109	2076
Injector. Water-pressure	J. H. Venners	761,021	May 24	4886	1033	110	1138
Ink	H. H. Spohn	769,774	Sept. 13	1212	112	292	112
Ink-distributor	M. E. McKeown	754,332	Mar. 8	2179	493	109	492
Ink-font	L. L. Davenport	768,822	Aug. 23	4880	1023	111	2180
Ink-tablet. Effervescent	W. C. Pope	751,554	Feb. 9	1422	108	1380	108
Ink-well	S. C. Reynolds	749,008	Jan. 5	1103	233	108	253
Ink-well	F. G. Luethy	755,023	Mar. 22	3588	788	109	835
Ink-well	G. M. Hudson	769,825	Sept. 13	1316	251	112	317
Ink-well	A. G. Prokopovitch.	773,802	Nov. 1	718	133	113	165
Ink-well and pen-wiper. Combined	C. M. Woodward	750,128	Feb. 2	270	66	108	1119
Inking-cylinder	K. Geiser and H. Kehrl	770,636	Sept. 20	2855	-----	112	677
Inking device	H. A. Davis	752,285	Feb. 16	2826	627	108	1707
Inking device	W. J. Sheetz	769,499	Sept. 6	715	151	112	162
Inking-machine inking attachment. Automatic	J. Oertly	772,577	Oct. 18	2782	608	112	1594
Inking mechanism	C. P. Byrd	775,698	Nov. 22	4404	990	113	1047
Inking-pad	H. Baumgarten	758,890	May 3	631	125	110	149
Inkstand	H. A. Johnston	749,611	Jan. 12	2160	453	108	505
Inkstand	C. Keller	758,257	Apr. 26	4084	884	109	2272
Inkstand	G. A. Griggs	758,439	Apr. 26	4459	959	109	2356
Inkstand	W. H. Wetmore	767,856	Aug. 16	3456	731	111	1841
Inkstand	J. F. Fitzsimmons	768,174	Aug. 23	4175	878	111	2021
Inkstand	G. J. Sengbusch. (Reissue)	12,364	Aug. 23	5007	1060	111	2309
Inkstand	C. H. Numan	776,675	Dec. 6	418	93	113	1521
Inkstand. Automatic	A. C. Burnham	754,967	Mar. 22	3493	764	109	815
Inkstand. Automatic	H. M. Sturgis	770,876	Sept. 27	3333	704	112	801
Innersole	L. H. Vogel	774,622	Nov. 20	2075	452	113	476
Insect-catcher	J. Samuels	756,415	Apr. 5	451	94	109	1438
Insect-catching and plant-spraying machine	H. J. Noll	765,748	Nov. 26	3716	793	111	849
Insect collecting and destroying machine.	H. W. Steinmann	763,217	June 21	3174	682	110	2170
Insect-destroyer	J. Ham	752,757	Feb. 23	3734	849	108	701
Insect-destroyer	J. A. Logsdon	750,030	Jan. 19	2996	642	108	1386
Insect-destroyer	N. Smith	753,926	Mar. 8	1430	322	109	830
Insect-destroyer	H. Bensley and G. Huber	758,891	May 3	632	125	110	149
Insect-destroyer	F. M. Wiesen and J. S. Crisp	763,823	June 28	4370	950	110	2447
Insect-destroyer and fumigator	J. H. Heffner and E. Z. Kidd	771,366	Oct. 4	294	64	112	1024
Insect-destroying apparatus	A. L. Jones	766,043	July 26	4282	917	111	971
Insect-exterminator	J. Schiller	750,708	Jan. 26	4256	924	108	989
Insect-exterminator	J. J. Hanus and W. A. Tucker	764,123	July 5	421	82	111	92
Insect-exterminator	J. C. Franklin and C. M. Buce	777,088	Dec. 13	1252	275	113	1721
Insect-guard	W. Humans	760,692	Mar. 24	4195	891	110	925
Insect-trap	J. Lump and M. F. Diffenderfer	753,895	Mar. 8	1360	306	109	313
Insect-trap	J. W. Sheaffer	759,030	May 3	879	179	110	202

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Insect-trap	S. R. Welch	776,210	Nov. 29	5402	1145	113	1286
Insect-trap	S. R. Welch	776,280	Nov. 29	5535	1172	113	1317
Insect-trap	H. T. Casey	775,643	Dec. 6	349	75	113	1545
Insects from plants. Machine for collecting	B. F. Johnson	745,562	Jan. 12	2082	433	108	457
Insects from plants. Machine for collecting	W. M. Bolen	763,953	July 5	8	2	111	4
Insects from plants or the like. Machine for removing	J. W. Bussell	766,099	July 26	4400	942	111	996
Insects on plants. Device for exterminating	T. M. Cottle	755,363	Mar. 22	4202	930	109	968
Insecticide	J. H. White	778,391	Dec. 27	3829		113	2301
Insecticide apparatus	O. Berger	772,776	Oct. 18	3161	687	112	1678
Insecticide compound	O. D. Goodell	763,481	June 28	3712		110	2307
Insecticide. Device for mixing and applying	W. H. Brown and J. Winship	758,817	May 3	473	95	110	116
Insecticide. Making an	P. Bachmann	759,208	May 3	1250		110	285
Insecticides. Making	J. P. Wickersham, C. W. Tabler, and J. W. Stewart.	764,404	July 5	1015	206	111	236
Instantaneous heater	W. Wishart	774,298	Nov. 8	1476	1317	113	349
Instruction-sheet	O. C. De Selms	756,836	Apr. 12	1243	277	109	1625
Instrument or other case	G. Rohmann	778,368	Dec. 27	3336	783	113	2249
Insulated battery-cell	V. G. Apple	767,323	Aug. 9	2409	505	111	1592
Insulated conductor and process	J. C. Lee	767,900	Aug. 16	3535	749	111	1859
Insulated electric conductor	J. A. Heany	775,274	Nov. 15	3485	736	113	827
Insulated electric wires. Branch box for	M. Havens, Jr.	775,087	Nov. 15	2949	620	113	697
Insulated electrical conductors. Flexible metallic tubing for armoring	W. H. K. Bowley	770,218	Sept. 13	3036	439	112	474
Insulated hanger. Arc-lamp.	H. G. Pfeister	766,284	Aug. 2	303	61	111	1107
Insulated joint.	G. A. Weber and P. Holbrook	770,342	Sept. 20	2314	487	112	558
Insulated joint.	P. Holbrook	771,983	Oct. 11	1539	346	112	1301
Insulated joint.	G. A. Weber and P. Holbrook	777,707	Dec. 20	2442	536	113	1994
Insulated joint for railway-rail sections	G. A. Weber	772,008	Oct. 11	1586	355	112	1312
Insulated joint for railway-rail sections	G. A. Weber	772,009	Oct. 11	1589	357	112	1313
Insulated or covered wires and machine therefor. Manufacture of	C. Martin	762,735	June 14	2226	483	110	1938
Insulated pipe-joint	W. A. Learned	753,595	Mar. 1	729	163	109	158
Insulated rail-joint	J. C. Mock	761,526	May 31	5841	1230	110	1368
Insulated rail-joint	G. A. Weber and P. Holbrook	762,669	June 14	2078	450	110	1909
Insulated rail-joint	G. A. Weber	764,169	July 5	519	102	111	115
Insulated rail-joint	G. A. Weber	765,370	July 19	2940	615	111	672
Insulated rail-joint	E. A. Condit, Jr.	767,206	Aug. 9	2212	460	111	1549
Insulated rail-joint	P. Holbrook	767,273	Aug. 9	2330	487	111	1575
Insulated rail-joint	G. A. Weber	772,010	Oct. 11	1590	357	112	1313
Insulated rail-joint	G. A. Weber	772,011	Oct. 11	1592	359	112	1314
Insulated rail-joint	G. A. Weber	772,985	Oct. 25	3566	771	112	1787
Insulated rail-joint	C. J. Buck	774,506	Nov. 8	1866	405	113	433
Insulated rail-joint	G. A. Weber	775,322	Nov. 22	3591	760	113	868
Insulated support for wires.	L. Steinberger	749,336	Jan. 12	1611	241	108	388
Insulating wire-polishing machine	O. T. Hungerford and C. F. Kilgore.	761,634	May 31	6047	1398	110	1414
Insulating wire-tack	D. G. Smart	751,354	Feb. 2	1081	241	108	1288
Insulating and suspending device	J. Sachs	757,418	Apr. 12	2412	526	109	1872
Insulating and suspending device	J. Sachs	778,507	Dec. 27	4067	887	113	2532
Insulating-block for electric conductors	C. M. Clark	761,877	June 7	540	107	110	1560
Insulating compound. Heat	J. D. Scott	772,181	Oct. 11	1955		112	1392
Insulating-covering. Hair-felt	H. J. Bellman	772,203	Oct. 11	2005	442	112	1405
Insulating electric conductor	I. Kitsee	768,754	Aug. 30	5379	1133	111	2308
Insulating electric conductor	I. Kitsee	768,755	Aug. 30	5382	1134	111	2309
Insulating electrical apparatus. Means for	I. Kitsee	768,756	Aug. 30	5383	1134	111	2309
Insulating fixture-support	E. D. Priest, (Reissue)	12,243	July 19	3523	742	111	796
Insulating material and producing same	M. McMurtree	770,505	Sept. 20	2605	552	112	622
Insulating material or other purposes. Compound applicable for	F. H. Bruening	778,529	Dec. 27	4105		113	2361
Insulating material-saturating machine	L. M. Randolph	774,224	Jan. 12	1383		108	338
Insulating-sleeve and making same	G. M. Gest	758,132	Apr. 26	3844	834	109	2220
Insulating-support for electric third rails	N. Marshall	750,873	Feb. 2	179	42	108	1066
Insulating-support for electric third rails	F. R. Slater	763,434	June 28	3637	743	110	2292
Insulating-support for electric third rails	F. R. Slater	764,384	July 5	979	197	111	217
Insulating-support for electric third rails	W. H. Barnard	775,592	Nov. 22	4102	889	113	1352
Insulation	E. E. Beckhold	758,165	Apr. 26	3854	846	109	2232
Insulation for transformer-coils	F. M. Goss	761,039	May 24	4924	1043	110	1146
Insulation of the coils of electromagnets. Apparatus for testing the	J. Ljvesey	756,665	Apr. 5	905	197	109	1536
Insulation-rack	J. R. Fletcher	770,278	Sept. 20	2180	454	112	527
Insulation. Transformer	O. B. Moore	765,180	July 19	2391	542	111	596
Insulation. Underground-conduit	L. Steinberger	751,985	Feb. 9	2279	510	108	1564
Insulator	L. Steinberger	749,335	Jan. 12	1608	341	108	387
Insulator	L. Steinberger	750,722	Jan. 26	4314	933	108	1033
Insulator	P. S. Lindal	751,739	Feb. 9	1769	404	108	1453
Insulator	J. M. Mahoney	751,743	Feb. 9	1773	404	108	1453
Insulator	S. C. Kinsley and S. S. Bell	756,026	Mar. 29	5498	1213	109	1268
Insulator	L. McCarthy	756,181	Mar. 29	5702	1212	109	1325
Insulator	J. A. Hanson and A. F. Lambert	756,627	Apr. 5	823	177	109	1517
Insulator	J. C. Snodgrass	756,724	Apr. 5	1018	226	109	1559
Insulator	J. W. Osborne	757,765	Apr. 19	3115	679	109	2040
Insulator	S. C. Gutter	758,175	Apr. 26	3920	851	109	2237
Insulator	L. M. Randolph	761,102	May 31	5058	1074	110	1195

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Insulator.....	C. C. Chesney.....	761,760	June 7	276	55	110	1499
Insulator.....	F. M. Locke.....	767,948	Aug. 16	3639	769	111	1880
Insulator.....	J. F. Gill.....	770,962	Sept. 27	3508	738	112	841
Insulator.....	C. C. Chesney.....	771,207	Oct. 4	151	33	112	994
Insulator.....	L. W. Greene.....	773,733	Nov. 1	380	84	113	90
Insulator.....	S. Oakman.....	775,986	Nov. 29	4982	1051	113	1190
Insulator.....	F. M. Locke.....	776,789	Dec. 6	652	144	113	1570
Insulator and fuse-box. Combined.....	A. Bearse.....	761,814	June 7	411	84	110	1530
Insulator-bracket.....	F. J. Grant.....	760,630	May 24	4093	888	110	958
Insulator. Electric.....	T. T. Lyman.....	751,664	Feb. 9	1623	448	108	1421
Insulator. Electric.....	C. Booker.....	767,005	Dec. 20	3069	675	113	2120
Insulator. Electrical.....	C. W. Jefferson.....	764,812	July 12	1882	386	111	427
Insulator. Fibrous-material.....	R. Andlauer.....	774,548	Nov. 8	1945	421	113	449
Insulator for vessel-handles. Heat.....	E. T. Holler.....	773,099	Oct. 11	1786	397	112	1358
Insulator-heading machine.....	T. L. Firestone.....	759,429	May 10	1738	352	110	413
Insulator. Line.....	C. C. Chesney.....	751,459	Feb. 9	1250	286	108	1341
Insulator-molding machine.....	W. H. Schorling.....	761,326	May 31	5491	1168	110	1287
Insulator or other bolts. Holding device for.....	E. Bobler and N. F. Anderson.....	763,245	June 21	3225	695	110	2180
Insulator-pin.....	J. H. Bullard.....	751,831	Feb. 9	1953	444	108	1491
Insulator-pin.....	J. H. Bullard.....	754,123	Mar. 8	1797	400	109	413
Insulator-pin.....	J. H. Bullard.....	772,553	Oct. 18	2714	597	112	1582
Insulator-support.....	E. H. Fairbanks.....	775,812	Nov. 22	4613	978	113	1091
Insulator supporting-pin. Line.....	D. D. Hillard, Jr.....	758,173	Apr. 26	3328	833	109	2393
Insulator. Telegraph-wire.....	H. Hobert.....	759,276	May 10	1435	286	110	348
Insulator. Third-rail.....	H. L. Fritze.....	762,297	June 14	1326	283	110	1748
Insulator. Third-rail.....	R. V. Dunbar.....	770,960	Sept. 27	3500	737	112	840
Insulator. Third-rail.....	S. B. Stewart, Jr.....	771,394	Oct. 4	221	738	112	1008
Insulator. Tubular.....	F. M. Locke.....	758,986	May 3	801	161	110	185
Insulators. Manufacturing earthenware.....	F. M. Locke.....	774,765	Nov. 15	2397	517	113	570
Insulators to cross-arms. Device for attaching.....	F. M. Locke.....	778,420	Dec. 27	3895	848	113	2316
Interchangeable coupling.....	A. Dorgans.....	770,049	Sept. 13	1726	364	112	407
Interest-table.....	P. E. Johannsen.....	753,887	Mar. 8	1343	302	109	310
Internal-combustion and air engine. Combined.....	H. F. Wallmann.....	778,289	Dec. 27	3624	791	113	2257
Internal-combustion engine.....	E. Körtig.....	748,059	Jan. 5	781	160	108	177
Internal-combustion engine.....	O. P. Ostergren.....	752,410	Feb. 16	3071	681	108	1759
Internal-combustion engine.....	F. K. Landgraf.....	761,510	May 31	5818	1243	110	1364
Internal-combustion engine.....	H. C. Waite.....	763,819	June 23	4359	947	110	2444
Internal-combustion engine.....	B. M. Aslakson.....	765,159	July 19	3547	532	111	587
Internal-combustion engine.....	O. P. Ostergren. (Reissue).....	12,249	July 26	4536	970	111	1026
Internal-combustion engine.....	L. Bayer.....	768,110	Aug. 23	4058	854	111	1996
Internal-combustion engine.....	D. Roberts, C. James, and J. W. Young.....	770,388	Sept. 20	3387	504	112	574
Internal-combustion engine.....	O. P. Ostergren.....	771,820	Oct. 4	194	42, 43	112	1002
Internal-combustion engine.....	J. F. Duryea.....	775,103	Nov. 15	3081	655	113	728
Internal-combustion engine for cycles.....	H. Lepape.....	754,929	Mar. 15	3405	745	109	778
Internal-combustion engine. Gas or other.....	D. Clerk.....	769,589	Sept. 6	867	186	112	196
Internal-combustion motor.....	A. Vogt.....	752,273	Feb. 16	2800	621	108	1701
Internal-combustion motor.....	A. Vogt.....	752,936	Feb. 23	4123	918	108	2009
Internal-combustion or explosive engine.....	F. A. Seitz.....	750,901	Feb. 2	234	52	108	1109
Interrupter.....	E. W. Kelly.....	768,588	Aug. 23	4402	925	111	2071
Intestine wringer. Beef.....	T. B. Kinrade.....	770,431	Sept. 20	2458	521	112	588
Invalid lifter and conveyer.....	H. C. Ziprick.....	754,630	Mar. 15	2839	620	109	653
Invalid-lifting apparatus.....	O. B. Thompson.....	771,846	Oct. 11	1234	274	112	1237
Invalid-sling.....	B. Brattlie.....	752,198	Feb. 16	2653	588	108	1667
Iodoxy compound and making same.....	P. W. Atkinson.....	749,014	Jan. 5	917	194	108	214
Iodone. Making homologues of.....	A. Liebrecht.....	777,962	Dec. 20	2989	608	113	2105
Iris-diaphragm.....	R. Schmidt.....	775,251	Nov. 15	3442	729	113	817
Iron.....	E. Bausch and G. Hommel.....	750,237	Jan. 19	3377	729	108	783
See Branding-iron. Puffing-iron. Curling-iron. Sad-iron. Flat-iron. Smoothing-iron. Pressing-iron. Soldering-iron. Iron and arsenic and making same. Soluble compound of.....	L. Spiegel.....	768,886	Aug. 30	5654	-----	111	2370
Iron and steel and their alloys. Manufacture of.....	J. Baxeres de Alzugaray.....	768,551	Aug. 23	4942	-----	111	2194
Iron and steel and their alloys. Manufacture of.....	J. Baxeres de Alzugaray.....	768,552	Aug. 23	4943	-----	111	2194
Iron and steel and their alloys. Manufacture of.....	J. Baxeres de Alzugaray.....	768,553	Aug. 23	4944	-----	111	2194
Iron and steel. Treating.....	E. Engels.....	752,054	Feb. 16	2388	-----	108	1607
Iron. Apparatus for the manufacture of sheet.....	M. Clasper.....	756,474	Apr. 5	571	119	109	1463
Iron. Dechromizing.....	O. Massene.....	772,164	Oct. 11	1921	-----	112	1885
Iron-founding.....	A. Cochran.....	749,258	Dec. 12	1442	308	108	350
Iron-holder.....	M. Woolford.....	771,595	Oct. 4	741	165	112	1117
Iron into malleable iron or steel. Converting crude.....	J. J. Deemer.....	757,276	Apr. 12	2105	459	109	1807
Iron. Manufacture of sheet.....	W. Clasper.....	756,473	Apr. 5	508	118	109	1463
Iron or steel. Cleansing and improving the quality of.....	F. C. Weber.....	754,262	Mar. 8	2055	-----	109	468
Iron or steel direct from ore. Producing.....	W. M. Brown and D. Reynolds.....	750,590	May 10	3004	418	110	480
Iron or steel. Electrometallurgy of.....	H. Harriet.....	750,361	Jan. 26	2608	782	108	854
Iron or steel. Treating sheet.....	H. H. Goodsell.....	774,069	Nov. 1	1063	228	113	240
Iron pyrites for desulfurizing. Preparing.....	U. Wedge.....	757,531	Apr. 19	2646	-----	109	1249
Iron pyrites from zinc-blende. Separating.....	K. Danziger.....	754,643	Mar. 15	2871	-----	109	659
Iron-sand into briquets or lumps. Converting.....	T. Rouse.....	758,853	May 3	333	-----	110	127
Iron. Tempering or hardening cast.....	W. Gilmour and A. Lindsay.....	755,763	Mar. 29	4988	1110	109	1153
Iron. Treating.....	J. W. Arnold.....	765,158	July 19	2546	532	111	587
Iron-treating apparatus.....	J. W. Arnold.....	771,220	Oct. 4	2	112	112	961
Ironing apparatus.....	R. Rutherford.....	760,956	May 17	3343	703	110	785

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Ironing-board	L. I. Buehl	749,525	Jan. 12	2016	418	104	472
Ironing-board	S. L. Boyd	755,103	Mar. 22	3721	818	109	866
Ironing-board	T. J. Blagg	764,704	July 12	1660	339	111	379
Ironing-board	E. Lanouette	765,496	July 19	3313	672	111	781
Ironing-board	C. H. Williams	766,208	Aug. 2	115	21	111	1067
Ironing-board, Adjustable	W. O. Bowman	771,856	Oct. 11	1263	282	112	1243
Ironing-board and cabinet	H. A. Plimpton	769,275	Sept. 6	375	64	112	69
Ironing-board and step-ladder, Combined	J. McKellan	778,503	Dec. 27	4060	885	113	2351
Ironing-board attachment	F. K. Small	755,065	Mar. 22	3621	804	109	852
Ironing-machine	R. D'Angelo	755,752	Mar. 29	4655	1102	109	1147
Ironing-machine	A. T. Hagen and D. M. Cooper	761,672	June 7	96	16, 17	110	1459
Ironing-machine	H. A. Hecker	761,833	June 7	444	30, 51	110	1537
Ironing-machine	H. A. Hecker	761,834	June 7	446	91	110	1538
Ironing-machine	L. J. Cooper	766,221	Aug. 2	140	27, 28	111	1071
Ironing-machine, Collar or cuff	W. A. Zeidler	772,490	Oct. 18	2600	572	112	1558
Ironing-machine safety-gear	E. J. Lane	773,651	Nov. 1	217	48, 49	113	53
Ironing-table	W. O. Scheilhamer	754,898	Mar. 15	3356	733	109	837
Ironing-table	J. M. Ellison	759,598	May 10	2063	422	110	484
Ironing-table	H. F. Ford	761,468	May 31	5747	1226	110	1347
Ironing-table	C. H. Potter	762,349	June 14	1421	307	110	1767
Ironing-table	W. J. Higgs	769,313	Sept. 6	365	82	112	77
Ironing-table or board, Extension	I. Spurlin	775,070	Nov. 15	3023	642	113	712
Ironing-table, Shirt	L. J. Cooper	766,222	Aug. 2	145	28	111	1075
Irrigating apparatus	J. H. Martin	773,323	Dec. 27	3687	805	113	2270
Irrigating device	W. G. Templeton	749,758	Jan. 19	2477	328	108	580
Irrigating-ditch head-gate	W. J. Warren	769,968	Sept. 13	1579	337	112	372
Irrigating-machine	R. S. Smith	778,081	Dec. 30	3217	707	113	2152
Isotonone and making same. Homologues of	R. Schmidt	762,765	June 14	2351	-----	110	1949
Jack:							
See Belt-jack.	Pipe-jack.						
Boot-jack.	Pipe-forcing jack.						
Boot or shoe jack.	Pumping-jack.						
Carriage-jack.	Screw-jack.						
Chain jack.	Shade-roller-bracket						
Floor-jack.	jack.						
Fluid-pressure jack.	Spring-jack.						
Harrow-jack.	Vehicle-jack.						
Hydraulic jack.	Wagon-jack.						
Lasting-jack.	Well-jack.						
Lifting-jack.	Wheel-jack.						
Mining-machine jack.							
Jack	R. H. Welles	750,740	Jan. 26	4390	940	108	1012
Jack	J. R. Armstrong	760,368	May 17	3534	744	110	829
Jack	I. Jefferson	772,238	Oct. 11	3081	454	112	1422
Jackets of double-walled vessels. Fastening for	M. Missner	755,684	Mar. 29	4795	1068	109	1110
Jacquard	W. A. Pardoe	757,342	Apr. 12	3260	493	109	1840
Jacquard apparatus	B. S. Smith	774,610	Nov. 8	2051	448	113	472
Jacquard-machine	W. Cochran	763,547	Mar. 1	638	144	109	139
Jacquard-mechanism wire lift-needle	W. Wattie	764,968	July 12	2108	454	111	497
Jar:							
See Fruit-jar.	Preserve-jar.						
Glass jar.	Preserving-jar.						
Paste-jar.							
Jar	W. S. Teeple	763,810	June 28	4348	944	110	2442
Jar	J. S. Du Bois	768,115	Aug. 23	4069	857	111	1998
Jar	W. W. Kunkel and C. Robinson	770,971	Sept. 27	3516	742	112	813
Jar and closure therefor	F. H. Gibson	754,060	Mar. 8	1677	372	109	386
Jar-cap	C. J. Smith	765,040	July 12	2395	485	111	524
Jar-closure	C. H. Nicholson	748,642	Jan. 5	172	41	108	38
Jar-closure	O. N. Hoffman	749,674	Jan. 12	2284	481	108	530
Jar-closure	W. W. Cadle	751,716	Feb. 9	1718	390	108	1441
Jar-closure	W. E. Brown	751,975	Feb. 9	2261	506	108	1560
Jar-closure	H. S. Brewington	752,024	Feb. 16	2338	323	108	1596
Jar-closure	F. E. Dopheide	754,977	Mar. 22	3509	769	109	818
Jar-closure	G. T. Reed	756,285	Apr. 5	181	37	109	1383
Jar-closure	W. B. Fenn	758,515	Apr. 26	4601	990	109	2389
Jar-closure	H. S. Brewington	759,154	May 3	1115	226	110	253
Jar-closure	W. B. Fenn	759,168	May 3	1147	233	110	261
Jar-closure	H. S. McConnell	762,080	June 7	898	185	110	1632
Jar-closure	W. E. Bostwick	762,799	June 14	2348	512	110	1966
Jar-closure	P. H. Kohler	763,062	June 21	2870	620	110	2102
Jar-closure	W. B. Fenn	769,600	Sept. 1	885	192	112	390
Jar-closure	C. Fricke	770,060	Sept. 13	1742	368	112	410
Jar-closure	W. J. Clark	771,121	Sept. 27	3817	806	112	909
Jar-closure	C. H. Hess	772,028	Oct. 11	1637	371	112	1328
Jar-closure and fastener	E. Abramson	776,162	Nov. 29	5310	1123	113	1265
Jar, &c., cover	J. Brenzinger	761,652	June 30	4079	1215	111	2399
Jar-cover	F. J. Purdy	768,062	Aug. 23	3836	802	111	1943
Jar, &c., cover fastening	M. A. Brown	769,028	Aug. 23	3836	802	111	1943
Jar-cover holder. Fruit	W. T. Wiley	759,336	May 10	1549	311	110	373
Jar-covers. Tool for repairing	F. A. Rothgery	769,716	Sept. 13	1108	238	112	263
Jar-fastener	S. A. Roden	757,033	Apr. 19	2964	645	109	2008
Jar holder. Fruit	K. A. Johnson	759,054	Jan. 26	4148	900	108	965
Jar lock and protector	S. S. Stocker	769,846	Sept. 13	1363	291	112	327
Jar neck and closure	A. Smelker	749,457	Jan. 12	1873	389	108	440
Jar neck and closure	A. Smelker	776,206	Nov. 29	5392	1142	113	1285
Jar or bottle closure	P. H. A. Leder	767,576	Aug. 16	3226	612	111	1727
Jar or bottle closure	W. H. W. Jones	769,866	Sept. 13	1394	297	112	334
Jar or can holder	A. B. Clark	771,969	Oct. 11	1503	340	112	1293
Jar or glass closure	J. Böing and J. Pohr	778,004	Dec. 20	3068	675	113	2120
Jar or similar vessel closure	A. F. Wilson	774,014	Nov. 1	955	198	113	217
Jar-stoppers. Means for removing	M. J. Babbitt	755,308	Mar. 22	3914	865	109	905
Jar-wrench	L. L. Zesiger	778,528	Dec. 27	4162	907	113	2373
Jar wrench. Fruit	W. A. Twining	755,081	Mar. 22	3690	810	109	859
Jar wrench. Fruit	L. Rawdon	761,180	May 31	5198	1105	110	1225

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Jars, bottles, &c. Locking device for the closures or stoppers of	F. Canfield	769,816	Sept. 13	1300	276	112	313
Jars, &c. Lid or covering for fruit.	H. A. Porteous	751,410	Feb. 2	1125	266	108	1306
Jars, &c. Packing-ring for fruit.	G. D. C. Coddington	748,586	Jan. 5	64	19	108	16
Jars, &c. Stopping device for preserve.	H. Martini	749,074	Jan. 5	1096	223	108	244
Jardinière	A. Sibole	767,175	Aug. 9	2152	447	111	1536
Jaw-coupling	L. Jr., and L. Scheib, Sr.	777,752	Dec. 20	2518	556	113	2011
Jaw-wrench	W. W. Murch	759,824	May 10	2506	524	110	582
Jaw wrench. Sliding.	A. D. Erb	763,470	June 28	3694	796	110	2304
Jewel-mounting	A. A. Boismaure	750,738	Feb. 2	81	6	108	1064
Jewel-mounting	A. A. Boismaure	768,846	June 28	4410	959	110	2456
Jewel-mounting	A. A. Boismaure	770,954	Sept. 27	3485	735	112	836
Jewel-pin setter	O. E. Scott	775,253	Nov. 15	3445	727	113	818
Jewel-setting	L. Guild	755,654	Mar. 29	4744	1054	109	1099
Jewel-setting device. Pallet.	D. F. Staley	755,070	Mar. 22	3670	806	109	854
Jewelry	J. Fejchar	758,847	May 3	523	107	110	122
Jewelry	M. L. Weiss	770,880	Sept. 27	3341	706	112	803
Jewelry-clasp	C. E. Hansen	752,486	Mar. 1	493	115	109	108
Jewelry-clasp	D. H. Perkins	776,256	Nov. 29	5498	1164	113	1309
Jewelry component	J. C. and J. A. Doran	767,687	Aug. 16	3132	654	111	1771
Jewelry. Construction of.	A. Artopoulos	761,867	June 7	322	104	110	1556
Jewelry-fastening device	R. Fischer	772,711	Oct. 18	3028	664	112	1651
Jewelry. Manufacture of.	E. F. Bennett	752,816	Feb. 23	3862	866	108	1951
Jewelry-mounting	A. A. Boismaure	758,167	Apr. 26	3899	846	109	9233
Jewelry-protector	A. Landau	764,951	July 12	2163	448	111	491
Jig-tank	G. T. Copley	755,749	Oct. 18	3632	1100	109	1145
Joinery	J. E. Ahlvin	772,118	Oct. 11	1823	404	112	1365
Joint:							
See Ankle-joint.	Pipe expansion-joint.						
Belt-joint.	Piston-joint.						
Boiler-tube joint.	Rail-joint.						
Bugzy-top joint.	Railway-joint.						
Closer-joint.	Railway-rail joint.						
Conduit-joint.	Railway-rail saddle-joint.						
Container-joint.	Railway-track joint.						
Drilling-tool joint.	Riveted joint.						
Felly-joint.	Roof-joint.						
Flexible joint.	Step-joint.						
Flooring end joint.	Sucker-rod joint.						
Gate, door, &c., joint.	Swivel-joint.						
Ground joint.	Telescopic joint.						
Hinge-joint.	Track-joint.						
Insulated joint.	Tubing or pipe joint.						
Insulated pipe-joint.	Umbrella-joint.						
Insulated rail-joint.	Umbrella-frame joint.						
Packed joint.	Universal joint.						
Pin-joint.	Washub-joint.						
Pin-tongue joint.	Wire-joint.						
Pipe-joint.							
Joint	W. N. Barrett	758,888	May 3	690	124	110	149
Joint	T. F. Greenwood	763,483	June 28	3714	800	110	2307
Joint-band	C. K. Raymond	769,405	Sept. 6	525	115	112	119
Joint-coupling	A. P. Brockway	750,343	Jan. 26	3581	775	108	848
Joint-fastener	F. W. Starr	770,398	Sept. 20	2403	508	112	577
Joint stiffener or clamp.	J. B. Hunt	772,149	Oct. 11	1892	419	112	1379
Joints of mechanical elements. Articulating device for	H. Brammer	760,416	May 24	3632	708	110	866
Jointer-guard	J. A. Davidsen	767,545	Aug. 16	2874	600	111	1715
Jointer-knife guard	A. Uetz	764,168	July 5	518	102	111	115
Joist-hanger	A. H. Eberhardt	753,053	Feb. 23	4350	968	108	2061
Joist-hanger	W. D. Dreyer	770,050	Sept. 13	1727	365	112	407
Joist shoe and anchor. Self-releasing	A. Carlson	762,383	June 14	1453	323	110	1780
Joists, girders, &c. Construction of.	D. D. Carey	756,471	Apr. 5	565	117	109	1462
Journal	W. P. Deppe	753,242	Mar. 1	50	13	109	14
Journal-adjusting device	W. B. Daniel	773,377	Oct. 25	4518	956	112	2002
Journal and skein. Axle	D. G. Wood	751,130	Feb. 2	636	147	108	1195
Journal-bearing	R. Harding	750,379	Jan. 26	3456	747	108	819
Journal-bearing	M. F. Stadtmüller	760,083	May 17	2912	609	110	690
Journal-bearing	G. H. Clamer	769,337	Sept. 6	399	92	112	86
Journal-bearing	A. C. Stiles	771,506	Oct. 4	569	128	112	1080
Journal-bearing	I. Metzger	771,968	Oct. 11	1557	349	112	1305
Journal-bearing	M. F. Wiedemann	772,075	Oct. 11	1738	387	112	1347
Journal-bearing	F. W. Hallock	773,935	Nov. 1	814	170	113	187
Journal-bearing	H. V. Kuhlman	755,660	Nov. 22	4385	914	113	1083
Journal-bearing. Antifriction	F. C. Mason	766,639	Aug. 2	1019	214	111	1267
Journal-bearing. Automatic adjustable-wedge	W. N. Best	774,132	Nov. 1	1174	251	113	266
Journal-bearing. Ball	F. W. Witte	752,498	Feb. 16	3231	721	108	1793
Journal-bearing. Car	M. Poirrier	761,903	June 7	586	117	110	1570
Journal-bearing. Compensating	M. F. Stadtmüller	763,077	June 21	2900	636	110	2108
Journal-bearing for truck wheels and casters	G. P. Clark	751,392	Feb. 9	1954	444	108	1492
Journal-box	J. W. Stephenson	754,170	Mar. 8	1880	419	109	431
Journal-box	I. E. Rogers and G. A. Fry	757,145	Apr. 12	1866	407	109	1757
Journal-box	L. R. and R. H. McLain	761,246	May 31	5325	1131	110	1252
Journal-box	J. W. Stephenson	767,182	Aug. 9	2162	450	111	1538
Journal-box	S. M. Lewis	767,581	Aug. 16	2993	615	111	1729
Journal-box	J. E. Cooper	769,130	Aug. 30	6140	1284	111	2478
Journal-box	W. H. Emerick	771,048	Sept. 27	3698	773	112	875
Journal-box	H. Bensch	771,453	Oct. 4	460	104	112	1056
Journal-box	J. S. Patten	771,661	Oct. 4	874	196	112	1146
Journal-box	A. H. Lewis	772,725	Oct. 18	3049	698	112	1655
Journal-box	C. Williams	774,220	Nov. 8	1336	284	113	318
Journal-box	A. B. Gardella	775,447	Nov. 22	3861	817	113	930

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Journal-box. Car	J. Pearson	760,559	May 24	3919	833	110	932
Journal-box dust-guard	T. H. Symington	764,508	July 5	1231	252	111	269
Journal-box dust-guard	T. H. Symington	769,670	Sept. 6	1602	217	112	328
Journal-box dust-guard	J. S. Patten	771,743	Oct. 4	1009	225	112	1174
Journal-box. Dust-proof	J. A. Kennedy	775,566	Nov. 22	4137	871	113	989
Journal-box dust-proof lid. Car	W. P. Wescott, Jr.	763,132	June 21	2998	647	110	2129
Journal-box lid	J. L. Mohun	760,748	May 24	4325	918	110	1019
Journal-box lid-locking device	L. E. Dewey	753,682	Mar. 1	804	203	109	194
Journal-box or bearing for roll-shafts	S. Hughes	768,399	June 28	3554	765	110	2274
Journal-box. Railway	T. H. Symington	764,506	July 5	1229	252	111	268
Journal-box. Railway	T. H. Symington	764,507	July 5	1230	252	111	269
Journal-box. Railway-car	A. T. Druley	767,332	Aug. 9	2426	509	111	1596
Journal-box. Self-rolling	H. T. Spears	767,845	Aug. 16	3438	726	111	1837
Journal-boxes. Securing means for removable	V. Charbonnet	750,810	Feb. 2	46	10	108	1067
Journal dust-guard. Railway	G. W. Dennis	762,154	June 7	1032	215	110	1663
Journal-lubricating device	G. W. Pero	771,444	Oct. 4	447	102	112	1052
Journal-lubricating device	J. J. Moss	775,730	Nov. 22	4459	1943	113	1060
Journal lubricating device. Car-axle	F. B. Harrison and L. Y. Williams	752,161	Feb. 16	2579	874	108	1649
Journal lubricating device. Car-axle	F. B. Harrison and L. Y. Williams	752,162	Feb. 16	2580	574	108	1649
Journal lubricating device. Car-axle	F. B. Harrison and L. Y. Williams	752,163	Feb. 16	2582	574	108	1650
Journal-lubricator	G. F. Godley	770,684	Sept. 20	2949	626	112	699
Journal-lubricator	Q. T. Brennan	771,411	Oct. 4	393	87	112	1040
Journal lubricator. Car	A. Weaver	764,021	July 5	212	38	111	50
Journals of locomotive driving-wheels. Device for truing	H. F. Scatchard and M. B. Waters	751,945	Feb. 9	2174	490	108	1542
Juice-extractor	W. Bruen	769,785	Sept. 13	1227	264	112	295
Juices. Electrolytically purifying	A. Kollrepp and A. Wohl	751,179	Feb. 2	737	160	108	1215
Justifying mechanism	F. B. Converse, Jr.	749,720	Jan. 19	2394	506	108	571
Kaleidoscope. Illuminated	T. R. Johnson	754,143	Mar. 8	1830	407	109	421
Key-washing apparatus. Beer	F. Schmidt	749,583	Jan. 12	2116	448	108	496
Keir. Vomiting	E. D. Jefferson	775,450	Nov. 22	3864	818	113	930
Kerosene-vapor-generating apparatus	R. H. White	752,137	Feb. 16	2359	566	108	1640
Kettle	R. Brandt	750,159	Jan. 19	2328	605	108	750
Kettle	L. J. Alvord	768,411	July 19	3018	632	111	689
Kettle attachment	J. E. Schneider	765,859	July 26	3365	840	111	896
Kettle. Cement-plaster	C. H. Malone	750,669	Apr. 9	910	198	109	1538
Kettle. Frying	C. M. Strickland	769,119	Aug. 30	6118	1279	111	2474
Kettle. Steam-heated tipping	P. Gruener	766,442	Aug. 2	590	125	111	1169
Kettle. Steam-jacketed	W. L. Culver	770,045	Sept. 13	1722	364	112	406
Kettles, &c. Attachment for jacket-key	F. M. Kimball	754,779	Mar. 15	3126	681	109	718
Key. See Adjustable key. Screw-key.							
Cable-testing key. Telegraphic key.							
Sash-lock key. Voting-machine key.							
Key	J. P. Clark	752,518	Feb. 16	3266	728	108	1801
Key	J. P. Clark	756,585	Apr. 5	759	165	109	1503
Key	G. W. Darling	759,508	May 10	1884	379	110	447
Key-can	T. F. Whitmarsh	758,287	Apr. 26	4146	896	109	2285
Key-chain and locket. Combined	C. Arnold	760,410	May 24	3621	764	110	865
Key-fastener	W. F. Kentoff	760,071	May 17	2973	623	110	706
Key-fastener	E. F. Henderson	760,146	May 7	3143	657	110	741
Key-fastener	E. F. Henderson	766,249	Aug. 2	233	43	111	1090
Key-filing device	C. F. West	749,598	Jan. 12	2141	446	108	501
Key-frame	G. A. Zundel	770,549	Sept. 20	2995	570	112	642
Key-guard	A. Morell	769,920	June 28	4350	993	110	2495
Key-holder	C. T. Sherman	750,064	Mar. 29	5557	1226	109	1282
Key-holder	F. G. Vancore	769,418	Sept. 6	553	120	112	125
Key mechanism for key-actuated instruments	W. G. Spiegel	765,640	July 19	3468	732	111	785
Key-retainer	E. T. Burrows	761,059	May 31	4972	1054	110	1176
Key-ring	T. Hentgen	751,643	Feb. 9	1588	361	108	1414
Key-ring	L. Siersdorfer	765,754	July 26	3725	795	111	851
Key-ring and lock. Combined	C. F. Wing	751,965	Feb. 9	2212	498	108	1550
Key selecting and striking mechanism. Electric	A. J. Leonard	762,644	June 14	2031	439	110	1897
Keys, &c. Dies for making	L. W. Gates	774,241	Nov. 8	1372	293	113	327
Keys. Making cold-forged	L. W. Gates	774,242	Nov. 8	1373	293	113	327
Keyboard instruments. Device for sounding chords on	S. Macey	751,742	Feb. 9	1774	403	108	1453
Keyboard machines and instruments. Apparatus for mechanically operating	O. Wolters	778,045	Oct. 25	3697	795	112	1815
Keyboard playing attachment	E. S. Votey	765,645	July 19	3478	735	111	787
Keyboard. Transposing	J. H. Brady	750,083	Jan. 19	3093	665	108	720
Keyboard. Transposing	J. H. Kohlmoos, Jr.	753,790	Mar. 3	363	73	110	89
Keyhole-guard	D. D. Dorney	755,115	Mar. 22	3742	822	109	870
Kiln. See Brick-kiln. Enameling-kiln.							
Cement-kiln. Lime or cement kiln.							
Continuous kiln. Lumber-drying kiln.							
Dry-kiln. Malt-kiln.							
Drying-kiln. Muffle-kiln.							
Drying and calcining kiln. Pottery-kiln.							
Electric kiln. Rotary kiln.							
Kiln	D. J. Marrs	749,208	Jan. 12	1345	289	108	330
Kiln	J. F. Warwick	749,413	Jan. 12	1764	373	108	419
Kiln	H. M. Buck	750,588	Jan. 26	4046	874	108	945
Kiln	C. Schweizer	750,899	Feb. 2	230	51, 52	108	1109

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Kiln	T. Hampton	755,685	Mar. 29	4745	1055 1056 1057	109	1099
Kiln	W. Sutton	760,821	May 24	4472	952	110	1051
Kiln	D. H. Gibson	771,623	Oct. 4	797	178	112	1129
Kiln	W. N. Weir	774,544	Nov. 8	1929	418 419	113	446
Kiln	R. Booth and F. Crosland	777,996	Dec. 30	2943	546	113	2096
Kiln car. Tunnel	A. A. Gery	768,797	Aug. 30	5439	1149	111	2326
Kiln-door	H. H. Hackerd	754,559	Mar. 15	2706	589	109	626
Kilns. Car for tunnel	A. A. Gery	774,243	Nov. 8	1374	293 294	113	327
Kindling compound and making same	M. Perry and A. Dickson	764,072	July 5	321	1318	111	71
Kinematographic or like projections. Objective for	A. E. E. Beard	775,000	Nov. 15	2875	614	113	680
Kinetic-energy machine	E. L. N. Denis	749,664	Jan. 12	2268	478	108	527
Kinetoscope	A. E. Smith	770,937	Sept. 27	3452	223	112	829
Kinetoscope. Projecting	W. W. Ladd	777,381	Dec. 13	1802	400	113	1841
Kinetoscopic film	T. A. Edison. (Reissue)	12,192	Jan. 12	2370	500 501	108	549
King-bolt	H. E. Martin	771,379	Oct. 4	315	70	112	1028
Kitchen-fork	J. Froskauer	750,697	Jan. 26	4229	918	108	984
Kitchen-table	N. J. Painter	751,101	Feb. 2	585	135	108	1185
Kitchen utensil	W. H. Levey	774,763	Nov. 15	2395	516	113	570
Kite parachute device	E. Moravek	764,749	July 12	1751	357	111	399
Kneading and mixing machine	E. P. W. Wieda	764,650	July 12	1359	317	111	357
Kneading-board	L. D. Patten	768,341	Aug. 23	4498	946	111	2092
Kneading device	A. A. Stuart	754,026	Mar. 8	1614	359	109	372
Kneading machine. Dough	L. Durand	760,388	May 17	3577	755	110	898
Kneading machine. Dough	G. M. Euler	773,380	Oct. 25	4522	937	112	2003
Knife	J. C. and G. E. Bollinger	751,251	Feb. 2	901	205	108	1248
See Bread or cake knife. Paper-knife.	C. F. Search	751,567	Feb. 9	1452	329	108	1386
Draw-knife. Paring-knife.	C. A. Rayment	763,111	June 21	2659	698	110	2120
Grafting-knife. Pocket-knife.	G. Brabrook	769,356	June 23	3464	748	110	2324
Hay-knife. Pocket or other knife.	G. C. Palmer	766,059	July 26	4308	923	111	977
Hunting-knife. Putty-knife.	S. C. Brown, Jr.	773,782	Nov. 1	470	103	113	110
Surgical knife.	H. E. Britton	769,725	Sept. 13	1118	240	112	271
Knife-blade holder. Adjustable	G. W. Hodges and G. S. Hastings	759,230	Sept. 6	158	38	112	31
Knife-handle fastening	E. P. McDonough	759,609	Mar. 1	747	167	109	182
Knife or fork cleaner	S. Cary	768,206	Aug. 23	4335	916	111	2060
Knife-rack	E. Hammesfahr	769,262	Sept. 6	244	57	112	53
Knife spring. Pocket-	W. F. Bossert	773,626	Nov. 1	168	37	113	43
Knife-switch	E. Rogers and C. J. Schuyler	772,478	Oct. 18	2572	596	112	1552
Knit fabric. Mechanism for transversely severing webs of	F. G. Shelain	753,812	Mar. 1	1192	269	109	257
Knitted fabric	A. W. Redin	752,862	Feb. 23	3946	885	108	1969
Knitted fabric	C. J. Sibbald	755,941	July 26	4081	871	111	929
Knitted fabric. Machine for unraveling	H. Curtis	772,458	Oct. 18	2324	554	112	1542
Knitted fabric. Ribbed	R. W. Scott	777,048	Dec. 6	1179	257	113	1989
Knitting-machine	B. T. Steber	751,213	Feb. 2	812	187 188	108	1230
Knitting-machine	B. T. Steber	753,645	Mar. 1	810	181 182	109	177
Knitting-machine	I. W. Lamb	753,715	Mar. 1	961	218	109	207
Knitting-machine	G. W. Ruth	759,021	May 3	864	175 176	110	198
Knitting-machine	S. A. Dodge	764,424	July 5	1069	218	111	237
Knitting-machine	J. E. Rowe	765,043	July 12	2326	483	111	523
Knitting-machine	D. F. Sullivan. (Reissue)	12,291	July 26	4543	748	111	1027
Knitting-machine	R. W. Scott. (Reissue)	12,256	Aug. 9	2502	525	111	1612
Knitting-machine	D. F. Sullivan	770,942	Sept. 27	3461	731	112	831
Knitting-machine	C. F. Cole	773,477	Oct. 25	4727	998	112	2045
Knitting-machine	W. T. Barratt and C. J. Sibbald	774,464	Nov. 8	1772	384	113	412
Knitting-machine. Automatic circular-	J. B. Hipwell	749,933	Jan. 19	2512	601	108	603
Knitting-machine bur-wheel support	R. W. Gornly	752,666	Feb. 23	3380	798	108	1888
Knitting-machine can device. Lamb	W. Bach	775,742	Nov. 22	4483	949	113	1064
Knitting machine. Circular	H. A. Houseman	749,002	Jan. 5	1030	218	108	237
Knitting machine. Circular	W. Stafford and R. C. Holt	759,928	May 17	2695	567	110	640
Knitting machine. Circular	E. Langer	761,385	May 31	5006	1194	110	1314
Knitting machine. Circular	H. Clarke	762,142	June 7	1012	210 211	110	1658
Knitting machine. Circular	H. A. Houseman	774,473	Nov. 8	1790	386 387	113	416
Knitting-machine. Circular spring-needle	F. Wilcomb	763,825	June 28	4372	951	110	2448
Knitting-machine cloth-wheel	A. A. Bailey	774,413	Nov. 8	1682	360	113	394
Knitting-machine cloth-wheel or cloth-shoe	T. P. Holloran	753,071	Feb. 23	4393	977	108	2671
Knitting-machine dial adjustment	L. C. Huse	766,041	July 26	4278	917	111	970
Knitting-machine embroidering attachment	E. R. Thierfelder	768,093	Aug. 23	4016	845 847	111	1988
Knitting-machine fabric-cutting device	J. J. Harcher	762,166	June 7	1049	221	110	1666
Knitting-machine fabric-slitting device	H. W. Folsom	770,633	Sept. 20	2349	695	112	675

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Knitting-machine. Lamb	A. Gréaud	750,052	Jan. 19	3037	650 652	108	710
Knitting-machine needle	J. C. Egly	749,686	Jan. 12	2308	487	108	535
Knitting-machine needle	C. R. Woodward	757,376	Apr. 12	2333	509	109	1854
Knitting-machine needle	S. Woodward	757,708	Apr. 19	3003	653	109	2017
Knitting-machine needle	J. C. Egly	773,722	Nov. 1	361	80	113	86
Knitting-machine needle and jack	D. Hurley and C. J. Sibbald	763,400	June 28	3556	766	110	2274
Knitting-machine needle-picking device	L. N. D. Williams	774,124	Nov. 1	1162	248	113	363
Knitting-machine pattern-switch	E. A. Hirner	753,260	Mar. 1	87	23	109	32
Knitting-machine. Rib.	F. Lasher	764,607	July 12	1458	298	111	335
Knitting-machine stitch-cam	E. A. Hirner	749,672	Jan. 12	2281	481	108	530
Knitting-machine stop-motion	D. H. Hill	749,932	Jan. 19	2811	600	108	662
Knitting-machine stop-motion	G. W. Ruth	750,225	Jan. 19	3346	724	108	775
Knitting-machine stop-motion	G. W. Ruth	751,811	Feb. 9	1910	433	108	1483
Knitting-machine stop-motion	G. A. Landenberger	760,998	May 24	4806	1022	110	1122
Knitting-machine stop-motion	A. Blanchard and F. H. Gates	764,338	July 5	865	177	111	189
Knitting-machine stop-motion	F. Wilcomb	766,305	Aug. 2	3389	70, 71	111	1113
Knitting-machine stop-motion	F. Wilcomb	766,306	Aug. 2	341	71	111	1116
Knitting-machine stop-motion	W. Hammond	769,378	Sept. 6	482	107	112	110
Knitting-machine stop-motion	F. Wilcomb	776,445	Nov. 29	5854	1237	113	1391
Knitting-machine stop-motion	F. S. Forry	778,538	Dec. 27	4115	896	113	2364
Knitting-machine stop-motion device	E. Wrigley	750,147	Jan. 19	3208	650	108	745
Knitting-machine. Straight	H. A. Houseman	755,135	Mar. 22	3770	831 832	109	577
Knitting-machine. Straight	G. A. Landenberger	758,671	May 3	131	27	110	33
Knitting-machine. Straight-bar	A. Woller	774,399	Nov. 8	1480	816	113	351
Knitting-machine striping attachment. Circular	W. T. Barratt	778,164	Dec. 20	3369	741	113	2185
Knitting-machine take-up mechanism	J. C. Brevin	762,614	June 14	1975	429	110	1886
Knitting-machine take-up mechanism	L. C. Huse	774,735	Nov. 15	2379	513	113	566
Knitting-machine take-up mechanisms. Support for two-cylinder	D. K. Gormly	764,579	July 12	1399	286	111	322
Knitting-machine thread-changing mechanism. Circular	E. A. Hirner	768,279	Aug. 23	4384	921 922	111	2067
Knitting-machine thread-guide. Circular	R. W. Gormly	764,578	July 12	1397	285	111	322
Knitting-machine thread-presenting mechanism	C. H. Whitchee	755,975	Mar. 29	5399	1198	109	1248
Knitting-machines. Adjustable cam for circular	W. T. Barratt	777,063	Dec. 13	1213	265	113	1718
Knitting-machines. Device for engaging transfer quills and needles of circular	H. A. Houseman	765,385	July 19	2966	621	111	677
Knitting-machines. Lace-pattern mechanism for straight	J. E. Pike	765,510	July 19	3234	677	111	735
Knitting-needle	W. Hart	761,831	June 7	441	90	110	1537
Knob and lock. Door	H. G. Voight	768,833	Aug. 30	5549	1167	111	2344
Knob attachment	F. La Belle	753,623	Feb. 16	3391	778	108	1853
Knob attachment	S. Fader	758,743	May 3	336	67	110	83
Knob attachment	N. W. Crandall	769,817	Sept. 13	1301	276	112	314
Knob-fastening	G. W. Roberts	768,952	Aug. 30	5783	1216	111	2400
Knob. Furniture	E. W. Bassick	760,298	May 17	3417	721	110	803
Knob. Screwless door	H. G. Voight	767,276	Nov. 29	5330	1171	113	1815
Knob-shank filling	N. W. Crandall	752,886	Feb. 23	3907	834	108	1382
Knockdown box	H. A. Doten	756,338	Apr. 5	291	60	109	1406
Knockdown box	C. A. Beems	759,961	May 17	2763	579	110	656
Knockdown box	J. Lucas	764,740	July 12	1731	353	111	394
Knockdown box	F. C. Eddelman	771,301	Oct. 4	158	35	112	995
Knockdown box or crate	J. F. Reul	758,105	Apr. 26	3788	823	109	2307
Knockdown case	R. Schouten	763,801	June 28	4327	940	110	2438
Knockdown chair	E. Behn	753,034	Feb. 23	4321	960	108	2054
Knockdown gate	C. G. Hunter	758,181	Apr. 26	3931	839	109	2239
Knot-catching device	F. Hardman	750,850	Feb. 2	134	31	108	1087
Knot-tying implement	H. D. Colman	755,110	Mar. 22	3731	820 821	109	868
Knotter	F. Thomasson	776,271	Nov. 29	5524	1169	113	1314
Knotter-gearing	J. M. Rector and W. H. Rosbury	770,110	Sept. 13	1830	387	112	423
Knitting-tool	A. S. Horlacher	753,033	Jan. 19	3001	643	108	702
Knuckle-duster and revolver. Combined.	E. Novák	756,182	Mar. 29	5763	1212	109	1325
Knuckle-pin support	G. Taggart. (Reissue)	12,265	Aug. 23	5010	1050	111	2309
Kraut-cutter	O. E. Thompson	773,779	Nov. 1	446	99	113	105
Label	A. Dawson	753,971	Mar. 1	27	63	109	63
Label-affixing machine	P. F. Cassidy and N. F. Doherty	756,580	Apr. 5	749	163	109	1501
Label-affixing machine	H. Maust	777,041	Dec. 6	1163	253 254	113	1686
Label and tag	W. P. Bates	770,255	Sept. 20	2111	444	112	509
Label-cabinet	A. Decker	762,888	June 21	2542	551	110	2029
Label for round boxes	E. A. Bircher	751,047	Feb. 2	486	114	108	1165
Label-holder	P. H. Yawman	769,204	Sept. 6	122	30	112	28
Label holder and protector	R. H. Trumpour	763,128	June 21	2989	645	110	2127
Label-holder. Druggist's	N. W. McCourt and G. W. McAllister.	767,233	Aug. 9	2261	471	111	1560
Label or stamp affixer	F. C. Arey	749,891	Jan. 19	2717	581	108	642
Label. Protective sealing	H. J. Witte	764,653	July 12	1567	319	111	358
Labels, &c. Spring-hook clip for securing luggage	J. F. Wilson and E. H. Whitmore.	769,523	Sept. 6	756	164	112	172
Labels to bottles, boxes, or other articles. Machine or apparatus for affixing	W. Higgins and W. G. Edmonds	751,074	Feb. 2	536	125	108	1177
Labels to bottles with lever closing devices. Machine for attaching safety	C. A. Hirth	771,635	Oct. 4	817	183 182 183	112	1134
Labels, wrappers, &c. Machine for applying	C. W. Cheney. (Reissue)	12,197	Feb. 23	4653	1036 1037	108	2128
Labeling-machine	D. W. Kneisly	754,400	Mar. 15	2507	1546 1547	109	583

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Labeling-machine.....	F. H. Knapp and C. W. Blackstone.	761,080	May 31	5007	1062 1063	110	1184
Labeling-machine.....	H. Haulick	765,970	July 26	4140	884 885	111	942
Labeling-machine.....	J. G. Hendrickson and E. J. Allen.	765,971	July 26	4143	885 886 500	111	943
Labeling-machine.....	L. C. Crowell	772,341	Oct. 18	2280	501 502	112	1489
Labeling machine. Bottle.....	T. K. Keith	762,826	June 14	2410	524 525	110	1979
Labeling machine. Bottle.....	J. F. Schneider	771,940	Oct. 11	1448	329 330	112	1281
Lace fabric. Woven	A. Ronsdorf	764,308	July 5	619	124 125	111	138
Lace-fastener	F. E. Stoke	757,977	Apr. 19	3515	762	109	2130
Lace-fastener	C. O. Johnson	758,866	Apr. 26	4315	926	109	2323
Lace-fastener	J. W. Williams	759,579	May 10	2024	414	110	477
Lace-fastener. Shoe.....	G. C. Ferguson	750,320	Jan. 26	3616	849	108	919
Lace-fastener. Shoe.....	C. F. Miers	755,080	Mar. 22	3599	790	109	838
Lace-fastener. Shoe.....	C. A. Conger	756,940	Apr. 12	1443	320	109	1666
Lace-fastener. Shoe.....	W. H. Jaxheimer	764,057	July 5	286	55	111	65
Lace-fastener. Shoe.....	F. E. Dunnett	760,308	Sept. 6	352	80	112	76
Lace-fastener. Shoe.....	H. Blankenstein	772,062	Oct. 11	1732	390	112	1350
Lace-fastener. Shoe.....	E. Wiehart	772,554	Oct. 18	3294	719	112	1708
Lace-fastening clip. Shoe.....	R. J. H. Hughes	776,409	Nov. 29	5897	1246	113	1400
Lace-fastening. Shoe.....	F. B. Evans, Jr.	762,293	June 14	1321	282	110	1747
Lace. Garment.....	H. L. Hiller	761,963	June 7	638	140	110	1590
Lace-holder	J. F. Markes and A. F. Perry	769,555	Sept. 6	814	174	112	184
Lace holder. Shoe.....	754,351	754,351	Mar. 15	3284	752	109	752
Lace-holding device	M. Cohn	773,476	Oct. 25	4726	997	112	2045
Lace hook. Shoe.....	J. P. Bergeron	777,177	Dec. 13	1410	312	113	1756
Lace-making stand or device	C. Sander	760,492	Sept. 6	701	151	112	160
Lace-making stand or device	L. F. Earl	768,596	Sept. 6	878	189	112	186
Lace or shoestring holder. Shoe.....	C. F. Thomson	754,517	Mar. 15	3286	572	109	612
Lace or strap fastener. Shoe.....	L. F. Ramsey	775,406	Nov. 22	3773	798	113	911
Lace, ribbon, braid, or cord holder. Adjustable	M. C. Cantrell	760,419	May 24	3637	769	110	868
Lace. Shoe.....	C. B. Isakson	767,891	Aug. 16	3524	746	111	1857
Lace tip. Shoe.....	F. A. Bagley	752,433	Feb. 16	3116	692	108	1769
Lace tip. Shoe.....	A. Potvin	766,530	Aug. 2	768	163	111	1308
Lace-tipping machine	O. A. Albrecht and T. L. Ringwalt.	763,832	June 28	4385	953 954	110	2450
Lacer for shoes. Temporary	E. E. Donovan and J. Chase, Jr.	760,855	May 17	3571	753	110	837
Lacing	P. J. Congdon	748,703	Jan. 5	288	65	108	64
Lacing	A. Schosbushen	750,477	May 10	1827	368	110	111
Lacing	H. White	764,874	July 12	1999	412	111	454
Lacing	H. H. Cummings	765,226	July 19	2656	553	111	611
Lacing	H. H. Cummings	765,227	July 19	2658	553	111	612
Lacing	D. G. Sunderland	767,720	Aug. 16	3186	698	111	1784
Lacing	C. F. Chandler	772,258	Oct. 18	2276	499	112	1488
Lacing and fastening therefor. Shoe.....	J. A. McCoy	767,005	Aug. 9	1798	377	111	1460
Lacing device	E. T. Dixon, Sr.	758,001	Apr. 19	3560	771	109	2139
Lacing-hook	J. V. Washburne	759,049	May 3	917	186	110	210
Lacing-hook	G. W. Prentice	761,100	May 31	5056	1073	110	1194
Lacing-hook	765,120	765,120	July 12	2483	519	111	556
Lacing-hook	W. H. Wood	772,015	Oct. 11	1598	363	112	1315
Lacing-hook	D. M. Carr	773,373	Oct. 25	4510	954	112	2000
Lacing-hook	O. F. Evans	773,789	Nov. 1	483	106	113	113
Lacing-hook	W. B. Estes	774,719	Nov. 8	2277	492	113	592
Lacing-hook mold	P. Clifford	750,032	Jan. 26	4066	580	108	919
Lacing-hook-setting machine.....	I. F. Peck	774,271	Nov. 8	1425	305	113	338
Lacing-hook-setting machine.....	I. F. Peck	778,796	Dec. 27	4602	1004 1005	113	2471
Lacing-hook-setting-machine gage	J. E. Perrault	760,627	Sept. 6	929	201	112	211
Lacing. Invisible	A. R. Colton	772,926	Oct. 25	3452	749	112	1761
Lacing-loop	G. W. Prentice	757,678	Apr. 19	3957	643	109	2007
Lacing-loop	G. W. Prentice	757,679	Apr. 19	3958	643	109	2007
Lacing. Shoe.....	E. C. Luks	749,569	Jan. 12	2093	435	108	490
Lacing. Shoe.....	H. W. Pinkerton	749,904	Jan. 19	2741	587	108	648
Lacing. Shoe.....	M. M. Heinisch and J. T. Moriarty	751,720	Feb. 9	1743	395	108	1446
Lacing-string fastener	D. C. Nowels	766,090	Feb. 9	948	209	108	545
Lacing-strip	M. K. Bortree	776,488	Dec. 6	14	5	113	1427
Lacing-stud	J. W. Barna and V. Hoffman	761,813	June 7	410	83	110	1530
Lacing-stud	E. E. Streed	769,329	Sept. 6	388	89	112	84
Lacing-stud or eyelet	J. L. Fulk	750,691	Jan. 26	4221	916	108	962
Lacing-tie-hook-setting machine	I. F. Peck	765,787	July 26	3812	812	111	869
Lacework-holder	C. C. Vilas	776,040	Nov. 29	5086	1073	113	1215
Lacquering bottle-capsules or similar objects. Ap- paratus for	C. Collin	751,783	Feb. 9	1848	420 421	108	1468
Ladder	J. A. Jaeger-Rainer	765,659	May 3	101	21	110	26
Ladder	A. A. Bayless	765,223	Oct. 19	2633	532	111	611
Ladder	P. F. Wagner	769,419	Sept. 6	554	121	112	125
Ladder	B. C. Williams and F. C. Heine	774,123	Nov. 1	1161	218	113	263
Ladder. Aerial	F. S. Seagrave	768,700	Aug. 80	5283	1110	111	2285
Ladder and ironing-board. Combination step.....	769,397	769,397	Sept. 6	512	113	112	116
Ladder and ironing-board. Combination step.....	W. C. Moore	772,815	Oct. 18	312	701	112	1690
Ladder and ironing-board. Combined step.....	J. B. Rohrer	765,792	July 26	3819	813 814	111	870
Ladder and platform. Combined	M. Cirigliano	767,388	Aug. 16	2537	533 534	111	1637
Ladder and scaffold support	T. Copeman	754,427	Mar. 15	2441	362	109	568
Ladder attachment	C. Wandel	774,009	Nov. 1	949	197	113	216
Ladder. Collapsible step	C. Wheelwright	772,447	Oct. 18	2501	547	112	1538
Ladder elevator. Self-supporting and extension	E. Maxey	775,373	Nov. 22	3705	786 787	113	893
Ladder. Extension	M. J. Lewis	749,070	Jan. 5	1049	221	108	241

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. 15.	Vol.	Page.
Ladder. Extension-	C. G. Tiefel	750,504	Jan. 26	3875	841	108	911
Ladder. Extension-	W. H. Pfeiffer	762,346	June 14	1416	306	110	1763
Ladder. Fire.	O. A. Sarvela	773,379	Oct. 13	2308	520	112	1508
Ladder-hanger.	S. C. Johnson	754,776	Mar. 15	3117	680	109	716
Ladder hook and holder. Extension-	J. S. Tripp	755,190	Mar. 22	3879	856	109	898
Ladder or similar structure	M. Murphy	773,582	Nov. 1	96	20	113	27
Ladder. Portable.	M. Tetzlaff	775,488	Nov. 22	3945	834	113	947
Ladder-prop.	H. Williamson	775,446	Nov. 29	3887	1287	113	1392
Ladder raising or lowering machine.	E. F. Dahill and J. R. Goddard	754,282	Mar. 8	2091	464	109	474
Ladder. Scaffold-	H. B. Oursler	760,239	May 17	3815	696	110	780
Ladder. Scaffolding-	W. F. Sampson	769,237	Sept. 6	194	46, 47	112	43
Ladder. Shelf.	J. Shuttler	771,673	Oct. 4	862	201	113	1150
Ladder. Step.	P. Herder, Jr.	757,618	Apr. 19	2835	619	109	1979
Ladder. Step.	A. Hartzler	759,176	May 3	1160	236	110	264
Ladder. Step.	H. L. Schwalbe	769,209	June 21	3162	680	110	2167
Ladder. Step.	W. C. King	765,288	July 19	2766	577	111	635
Ladder. Step.	O. Richardson	760,385	Aug. 2	479	103	113	1445
Ladder. Step.	G. L. Banks	767,257	Aug. 9	2938	481	111	1588
Ladder. Step.	J. A. Clough	771,352	Oct. 4	268	60	112	1017
Ladder. Step.	C. R. Sheldon	771,840	Oct. 11	1226	272	112	1236
Ladder. Step.	A. P. Boyer	777,068	Dec. 13	1220	267	113	1714
Ladder. Step.	A. P. Boyer	777,069	Dec. 13	1221	267	113	1714
Ladder. Step and extension	A. Hartzler	766,246	Aug. 2	215	42	111	1088
Ladder. Store-service	G. Lane	755,499	Mar. 22	4441	986	109	1017
Ladder. Truck.	T. U. Sechler	750,402	Jan. 26	3679	798	108	870
Ladders, &c. Suction and friction foot for.	P. Shaanahan	755,713	Mar. 29	4562	1081	108	1183
Ladle.	J. P. Nye	777,927	Dec. 20	2925	642	113	2093
Ladle and mold	R. H. Stevens	777,927	Dec. 20	2925	642	113	2093
Ladle-tilting device	S. O. Richardson, Jr.	757,412	Apr. 12	2401	522	109	1869
Ladle-tilting device	W. J. Patterson and A. M. Acklin	761,319	May 31	5478	1164	110	1285
Ladle-tilting device	W. J. Patterson	761,398	May 31	5623	1196	110	1318
Lamp	R. P. Habel	758,066	Feb. 23	4375	973	108	2066
Lamp	C. G. Holmberg	753,075	Feb. 23	4395	977	108	2071
Lamp	J. L. Creveling	754,428	Mar. 15	2442	523	109	568
Lamp	L. Montel	755,685	Mar. 29	4796	1068	109	1110
Lamp	J. P. Nagel	756,977	Apr. 12	1524	335	109	1681
Lamp	H. F. Smith	759,037	May 3	807	182	110	206
Lamp	E. E. Taylor and C. P. Leonard	764,396	July 5	1003	203	111	223
Lamp	J. P. Nye	766,449	Aug. 2	602	227	111	1172
Lamp	W. E. Porter	768,401	Aug. 23	4651	974	111	2133
Lamp	W. Tures	768,642	Aug. 30	5156	1083	111	2259
Lamp	F. Lehmann	770,723	Sept. 20	3016	641	112	712
Lamp	G. Washington	770,836	Sept. 27	3261	687	112	785
Lamp	J. P. W. Jost	771,018	Sept. 27	3515	761	112	884
Lamp	T. H. Mulch and O. Wiederhold	773,335	Oct. 25	4437	940	112	1984
Lamp	J. M. Pfaudler	773,990	Nov. 1	591	188	113	204
Lamp	J. C. and J. W. Aschenbach	777,998	Dec. 20	3063	673	113	2119
Lamp. Acetylene-gas	G. Massini	773,956	Nov. 1	850	79	113	181
Lamp-adjusting means	W. S. 914	755,914	Mar. 29	5285	1167	109	1233
Lamp. Alcohol-	G. E. Savage and J. H. Loeffler	774,278	Nov. 8	1437	308	113	340
Lamp and apparatus connected therewith. Gas or vapor	M. von Recklinghausen	750,890	Feb. 2	211	48	108	1104
Lamp and heater. Gas	W. S. McLewee	772,249	Oct. 11	2106	460	112	1428
Lamp and shade-holder. Electric	L. H. Perkins	773,602	Dec. 27	4248	924	113	2391
Lamp and socket. Electric	A. N. Soden	755,954	Mar. 29	5370	1185	109	1243
Lamp and switch. Incandescent electric.	G. Sweetser	778,155	Dec. 20	3357	737	113	2182
Lamp and target. Combined switch	G. L. Mansfield	755,785	Mar. 29	5027	1117	109	1162
Lamp attachment. Electric-	H. D'Oliver, Jr.	767,875	Aug. 16	3499	740	111	1851
Lamp ballast device. Vapor-	H. N. Potter	760,554	Jan. 26	3986	862	108	931
Lamp base. Incandescent.	H. Gilmore	760,065	May 17	2970	620	110	704
Lamp base. Incandescent.	A. Swan	774,404	Nov. 8	1667	358	113	301
Lamp base. Incandescent.	A. Swan	775,689	Nov. 22	4396	926	113	390
Lamp bases. Machine for making incandescent-electric.	A. Swan	774,403	Nov. 8	1663	357	113	390
Lamp-bracket.	E. D. Hamilton	768,122	Aug. 23	4085	860	111	2002
Lamp bulb and reflector. Composite incandescent.	O. A. Mygatt	762,927	June 21	2620	508	110	2046
Lamp-bulb base. Electric.	G. P. McDonnell	767,741	Dec. 20	3502	552	113	2078
Lamp bulbs. Incandescent.	F. M. F. Cazin	760,233	Sept. 20	2046	431	112	476
Lamp bulbs. Machine for making incandescent-electric.	H. W. Harper	764,844	July 12	1946	400	111	449
Lamp-burner	W. S. Hamm	750,455	Jan. 26	3775	851	108	890
Lamp-burner	J. A. Mosher and W. D. Legge	750,476	Jan. 26	3814	828	108	891
Lamp-burner	W. A. Painter	751,545	Feb. 9	1440	320	108	1375
Lamp-burner	J. Gregory	752,901	Feb. 23	4026	902	108	1987
Lamp-burner	W. Gunnell and W. O'Toole	758,065	Feb. 23	4373	973	108	2066
Lamp-burner	H. L. Bowlin	759,352	Mar. 1	246	55	109	55
Lamp-burner	H. W. Gander	771,903	Oct. 11	1302	311	112	1265
Lamp-burner	A. H. Nelson	774,602	Nov. 8	2037	445	113	469
Lamp-burner	W. A. Heelas	777,630	Dec. 13	2296	504	113	1947
Lamp-burner and chimney	W. H. Margetts	766,109	July 26	4419	946	111	1000
Lamp-burner attachment	W. B. Stockman and J. F. Friel	748,889	Jan. 5	635	142	108	142
Lamp-burner attachment	E. Krebs	753,405	Mar. 1	340	77	109	76
Lamp-burner. Central-draft.	J. Gregory	749,132	Jan. 5	1167	248	108	270
Lamp-burner. Coal-oil.	H. J. Pawling	757,674	Apr. 19	2945	639	109	2004
Lamp-burner. Petroleum-incandescent.	O. Grönbladh	771,425	Oct. 4	422	94	112	1046
Lamp-burner. Tubular-wick	W. C. Quigley	777,694	Dec. 20	2416	531	113	1669
Lamp-chimney	W. J. Gleason	750,844	Feb. 2	124	29	108	1085
Lamp-chimney	E. L. Valen	756,994	Apr. 12	1558	342	109	1669
Lamp-chimney	J. S. Newlin	760,915	May 24	4653	991	110	1090
Lamp chimney or globe	L. F. Bergman	758,955	May 3	752	149	110	174
Lamp-circuit switch. Arc-	R. H. Henderson	777,631	Dec. 13	2297	505	113	1947

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Lamp cluster and switch	R. B. Benjamin	767,681	Aug. 16	3121	652	111	1768
Lamp cluster. Electric	R. B. Benjamin	760,375	May 17	3547	748	110	891
Lamp cluster. Electric	R. B. Benjamin	760,376	May 17	3551	748	110	893
Lamp. Coke-drawer's	J. S. Snyder	753,748	Mar. 1	1022	232	109	220
Lamp-collar	C. F. Bilisoly	751,248	Feb. 2	895	204	108	1347
Lamp. Colored sign	W. Lytton	751,087	Feb. 2	559	130	108	1181
Lamp coupling. Incandescent electric hanging or suspension	C. M. Pitel	756,050	Mar. 29	5532	1219	109	1276
Lamp cover. Automobile	H. S. Tompkins	777,983	Dec. 20	3041	669	113	2114
Lamp display device. Electric	W. L. Levy and C. E. Dressler	770,529	Sept. 20	2655	562	112	632
Lamp. Electric	C. P. Steinmetz	754,251	Mar. 8	2038	454	109	464
Lamp. Electric	A. J. Wurts and E. Bennett	758,730	May 3	298	59	110	76
Lamp. Electric	E. L. Elliott	768,847	Aug. 30	5578	1171	111	2932
Lamp. Electric	E. W. Rice, Jr	769,637	Sept. 6	949	205	112	215
Lamp. Electric	G. F. Fischer	772,577	Oct. 18	3337	727	112	1718
Lamp. Electric-arc	L. Wirtz and T. Hamilton-Adams	748,904	Jan. 5	667	148	108	150
Lamp. Electric-arc	E. H. Belden	748,915	Jan. 5	692	152	108	156
Lamp. Electric-arc	E. H. Belden	749,016	Jan. 5	920	195	108	214
Lamp. Electric-arc	E. H. Belden	749,017	Jan. 5	923	195	108	215
Lamp. Electric-arc	E. H. Belden	749,018	Jan. 5	928	196	108	215
Lamp. Electric-arc	G. R. Davison	749,268	Jan. 12	1468	314	108	354
Lamp. Electric-arc	J. A. Rignon	750,894	Feb. 2	218	49	108	1106
Lamp. Electric-arc	G. E. Stevens and W. C. Fish	751,025	Feb. 2	447	105	108	1156
Lamp. Electric-arc	F. Sindighchristensen	752,005	Feb. 2	2308	516	108	1670
Lamp. Electric-arc	C. Schuster and C. N. Bergmann	752,825	Feb. 23	3351	885	108	1970
Lamp. Electric-arc	E. Thomson	755,815	Mar. 29	5077	1127	109	1174
Lamp. Electric-arc	A. Blondel	756,460	Apr. 5	541	113	109	1458
Lamp. Electric-arc	J. J. Wood	757,079	Apr. 12	1720	374	109	1724
Lamp. Electric-arc	R. Hopfelt	757,659	Apr. 19	2014	638	109	1998
Lamp. Electric-arc	F. Sindighchristensen	757,847	Apr. 19	3274	709	109	2075
Lamp. Electric-arc	I. W. Percival	757,958	Apr. 19	3478	753	109	2122
Lamp. Electric-arc	T. Hamilton-Adams	758,544	May 3	75	15	110	51
Lamp. Electric-arc	O. Gross	759,880	May 17	2612	547	110	622
Lamp. Electric-arc	J. A. Rignon	761,182	May 31	5200	1105	110	1226
Lamp. Electric-arc	J. A. Heany	761,373	May 31	5598	1192	110	1312
Lamp. Electric-arc	M. H. Baker and S. P. Wilbur	762,115	June 7	960	198	110	1645
Lamp. Electric-arc	M. H. Baker and S. P. Wilbur	762,116	June 7	962	199	110	1645
Lamp. Electric-arc	G. Szuk and W. Hackl	762,503	June 14	1738	373	110	1855
Lamp. Electric-arc	A. Blondel	764,103	July 5	390	75	111	86
Lamp. Electric-arc	A. S. Deem	766,496	Aug. 2	726	152	111	1198
Lamp. Electric-arc	M. F. Goodrich	768,745	Aug. 30	5364	1120	111	2304
Lamp. Electric-arc	F. Sindighchristensen	769,842	Sept. 13	1336	290	112	326
Lamp. Electric-arc	F. Fleuning	769,996	Sept. 13	1646	348	112	389
Lamp. Electric-arc	G. M. Lane	770,873	Sept. 20	2360	488	112	568
Lamp. Electric-arc	L. Wolff	770,489	Sept. 20	2381	547	112	617
Lamp. Electric-arc	C. E. Harthau	771,907	Oct. 11	1876	312	112	1266
Lamp. Electric-arc	R. Scott	772,257	Oct. 11	2114	463	112	1430
Lamp. Electric-arc	G. F. Grove	772,658	Oct. 18	2306	638	112	1624
Lamp. Electric-arc	L. S. Andersson	773,774	Nov. 1	452	100	113	106
Lamp. Electric-arc	R. Scott	774,789	Nov. 15	2446	528	113	582
Lamp. Electric-arc	T. Hamilton-Adams	774,876	Nov. 15	2632	566	113	622
Lamp. Electric-arc	T. L. Carbone	775,442	Nov. 22	3853	814	113	927
Lamp. Electric-arc	L. E. Safford	777,146	Dec. 13	1356	299	113	1744
Lamp. Electric-arc	H. Bremer	777,490	Dec. 13	2008	443	113	1887
Lamp. Electric-arc	A. W. Hendricks	778,489	Dec. 27	4041	880	113	2346
Lamp. Electric incandescing	F. M. F. Cazin	760,849	May 24	4525	964	110	1062
Lamp. Electric pocket	A. E. Post	754,694	Mar. 15	2976	648	109	683
Lamp. Electric tube	D. M. Moore	749,968	Jan. 19	2931	626	108	688
Lamp. Electric tube	D. M. Moore	755,307	Mar. 22	4089	904	109	941
Lamp. Extension	V. A. Menezes	791,845	June 7	471	96	110	1545
Lamp extension-fixture. Incandescent-electric	C. M. Pitel	754,283	Mar. 8	2010	447	109	459
Lamp-extinguisher. Mechanical	H. D. Hinks	749,061	Jan. 5	1029	217	108	237
Lamp-extinguishing device	M. Busch	744,907	Nov. 15	2693	577	113	636
Lamp filament attachment. Electric-glow	G. O. A. Liebau	765,007	June 21	2714	599	110	2978
Lamp filaments to leading-in wires. Device for securing incandescing	F. W. W. Miller and G. P. McDonnell	768,179	Aug. 23	4173	878	111	2021
Lamp flame-regulator	F. W. W. Miller and G. P. McDonnell	758,328	Apr. 26	4244	912	109	2308
Lamp. Flash	H. A. Cortis	758,299	Apr. 26	4186	901	109	2296
Lamp flushing device. Incandescent-electric	I. G. McCall	778,776	Dec. 27	4594	1003	113	2469
Lamp for canes, umbrella-sticks, &c.	C. Riederhof and G. E. Miles	772,308	Dec. 18	3408	740	112	1734
Lamp for photographic dark rooms	J. W. Allen	754,631	Mar. 15	2840	620	109	653
Lamp. Gas	H. F. Swartz	768,088	Aug. 23	4001	841	111	1984
Lamp. Gas	M. D. Compton	752,039	Feb. 16	2361	528	108	1600
Lamp. Gas	A. E. Lovett	758,261	Apr. 26	4090	885	109	2273
Lamp. Gas	A. H. Humphrey	768,994	Aug. 30	5871	1232	111	2419
Lamp. Gas or vapor electric	H. N. Potter	750,889	Feb. 2	210	47	108	1104
Lamp. Gas or vapor electric	F. C. Higgs	770,232	Sept. 13	2065	434	112	480
Lamp-globe	R. M. Dixon	753,283	Mar. 22	4048	897	109	893
Lamp-globe-holder. Arc	S. E. Doane	762,029	June 7	806	165	110	1612
Lamp-globe-holder. Arc	J. J. Wood	751,969	Feb. 9	2219	500	108	1552
Lamp-globe-or shade. Mica	S. E. Doane	755,855	Mar. 29	5169	1144	109	1197
Lamp governor. Vapor	H. F. Smith	758,716	May 3	268	53	110	69
Lamp-guard	F. W. Winbolt	759,086	May 3	893	182	110	245
		776,689	Dec. 6	335	72	113	1502

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Lamp guard and stand combined. Electric.	J. C. Tudor	763,129	June 21	2990	646	110	2127
Lamp guard. Electric.	J. Kaufman	757,314	Apr. 12	2209	483	109	1830
Lamp guard. Incandescent.	J. W. Matthews	763,009	June 21	2768	600	110	2079
Lamp guard. Incandescent.	C. W. Eisenmann	765,508	July 19	3336	700	111	756
Lamp-hanger	H. Giesel	760,072	Aug. 30	6021	1261	111	2451
Lamp hanger. Arc.	H. R. Sargent.	755,797	Mar. 29	5050	(1121)	109	1168
Lamp hanger. Electric-arc.	W. J. Jones.	774,669	Nov. 8	2159	472	113	494
Lamp-hanger. Extension.	F. H. Geisler	748,718	Jan. 5	307	69	108	68
Lamp-hanger. Extension.	J. Bystrom	753,850	Mar. 8	1275	286	109	295
Lamp-hanger. Extension.	J. Bystrom	753,851	Mar. 8	1277	286	109	295
Lamp hanger or support.	A. H. Humphrey	756,593	Dec. 6	254	56	113	1456
Lamp hanger. Street.	A. W. Hutchins	768,803	Aug. 30	5469	1152	111	2328
Lamp heater-support. Nernst.	G. A. Potter	764,006	July 5	178	31	111	43
Lamp. Heating.	C. Thiersch	751,118	Feb. 2	612	142	108	1191
Lamp-holder.	A. C. S. Rue	778,274	Dec. 27	3690	787	113	2252
Lamp holder. Electric-incandescent.	P. Kleber	774,391	Nov. 8	1639	352	113	386
Lamp holder. Incandescent.	W. H. Scott	764,829	July 12	1921	394	111	436
Lamp holder. Miner's.	J. Danner	761,764	June 7	283	56	110	118
Lamp. Hydrocarbon.	C. Perillat	760,560	May 24	3921	839	110	933
Lamp. Hydrocarbon.	S. U. Ferguson	770,425	Sept. 20	2447	517	112	586
Lamp. Hydrocarbon incandescent.	G. Washington	760,670	May 24	4155	882	110	983
Lamp. Hydrocarbon incandescent.	G. Washington	760,671	May 24	4157	883	110	983
Lamp. Hydrocarbon incandescent.	G. Washington	760,672	May 24	4159	883	110	983
Lamp. Hydrocarbon incandescent.	W. S. Prosser	768,727	Aug. 3	1208	256	111	1300
Lamp. Hydrocarbon incandescent.	G. Washington	770,135	Sept. 13	1874	398	112	439
Lamp igniter. Gas.	A. H. Humphrey	777,028	Dec. 6	1127	245	113	1677
Lamp igniter. Oil.	S. M. Meyer	774,769	Nov. 15	2403	519	113	572
Lamp. Incandescent.	W. A. Springall	750,720	June 2	4319	928	110	1044
Lamp. Incandescent.	S. E. Deane	768,390	June 7	807	165	110	1613
Lamp. Incandescent electric.	H. M. Taylor	753,935	Mar. 8	1449	325	109	334
Lamp. Incandescent electric.	D. J. O'Brien	768,479	Aug. 23	4795	1005	111	2162
Lamp. Incandescent electric.	J. E. Lovejoy	771,988	Oct. 11	1548	347	112	1308
Lamp. Incandescent electric.	A. W. W. Miller	773,805	Nov. 25	506	110	113	118
Lamp. Incandescent hydrocarbon.	S. Grant and T. L. Stewart	768,968	Aug. 30	5859	1220	111	2417
Lamp. Incandescent vapor.	L. Denayrouze	750,438	Jan. 26	3749	(814)	108	885
Lamp. Incandescent vapor.	W. Tures	750,784	Jan. 26	4450	959	108	1035
Lamp. Inclosed-arc.	O. N. Wiswell	766,787	Aug. 2	1399	283	111	1339
Lamp. Inclosed-arc.	O. N. Wiswell	766,788	Aug. 2	1341	283	111	1339
Lamp. Inclosed electric-arc.	H. C. F. M. Petitdidier and T. M. Schmitt.	769,273	Sept. 6	268	63	112	58
Lamp. Inverted incandescent gas.	T. B. Smith	754,354	Mar. 8	2212	494	109	500
Lamp-lighting system. Hydrocarbon.	G. Washington	777,871	Dec. 29	2707	614	113	2468
Lamp manufacture. Vapor-electric.	P. C. Hewitt	760,689	May 24	4400	935	110	1036
Lamp. Miner's.	J. Anton	756,151	Mar. 29	5714	1261	109	1315
Lamp. Miner's.	J. A. Hadley and E. B. Putnam	757,189	Apr. 12	1953	427	109	1777
Lamp. Miner's.	G. Anton	764,700	Jan. 12	1654	337	111	377
Lamp. Miner's electric.	H. G. Prested	749,500	Jan. 12	1900	406	108	461
Lamp. Miner's safety.	C. H. Moore and R. V. Sage	748,638	Jan. 5	154	37	108	34
Lamp. Miner's safety.	A. Wiedenfeld	768,497	Aug. 23	4830	1012	111	2170
Lamp. Miner's safety.	R. C. Simpson	775,782	Nov. 22	4555	966	113	1080
Lamp. Oil.	A. Hyde	761,678	June 7	112	19	110	1464
Lamp. Oil.	L. Johnson	768,128	Aug. 23	4095	862	111	2044
Lamp or gas-light holder. Movable incandescent.	R. Johnson	768,747	Aug. 30	5366	1130	111	2305
Lamp or generator. Acetylene.	J. H. Stanton.	775,504	Nov. 22	3975	839	113	954
Lamp or lantern. Tubular.	E. Moreau	778,596	Dec. 27	4236	922	113	2388
Lamp or stove for lighting or heating purposes.	C. L. Betts	765,696	July 26	3598	765	111	828
Lamp. Petroleum incandescent.	J. A. Martin	778,137	Dec. 20	3327	730	113	2176
Lamp. Portable electric.	J. Swoboda	768,828	Aug. 30	5534	(1165)	111	2341
Lamp. Portable electric hand.	H. C. Hubbell	753,138	Feb. 23	4497	1001	108	2093
Lamp post. Street.	G. Stein	760,657	May 24	4128	876	110	978
Lamp. Prismatic.	W. W. Sturgis	778,283	Dec. 27	3615	789	113	2256
Lamp-receptacle.	F. J. Russell	751,208	Feb. 2	803	184	108	1223
Lamp. Regenerative gas.	A. M. Moffitt	771,916	Oct. 11	1394	317	112	1270
Lamp regulator. Incandescent.	W. S. McLeew	771,387	Oct. 4	327	73	112	1030
Lamp. Safety oil.	F. C. Schofield.	749,705	Jan. 12	2340	490	108	544
Lamp-shade.	A. E. Holdaway	757,040	Apr. 12	1667	361	110	1713
Lamp-shade.	F. Lubow	765,107	July 13	2445	510	111	548
Lamp shade and reflector.	F. Lubow	776,249	Nov. 29	5490	1162	113	1307
Lamp-shade holder.	T. Smith	765,755	July 26	3726	795	111	852
Lamp shade-holder. Incandescent.	M. D. Gold	750,963	Feb. 2	343	81	108	1134
Lamp-socket.	R. W. Schmelz	765,681	July 26	3571	757	111	825
Lamp-socket.	D. A. Schutt	749,952	Jan. 19	2842	507	108	669
Lamp-socket.	J. C. Tournier	751,029	Feb. 2	456	107	108	1158
Lamp-socket.	D. A. Schutt	753,321	Mar. 1	197	44	109	46
Lamp-socket.	D. A. Schutt	771,791	Oct. 4	1126	251	112	1200
Lamp socket and plug.	D. A. Kimbark	753,276	Mar. 1	113	28	109	28
Lamp socket. Electric.	G. H. Proctor and J. B. Daley	771,240	Apr. 4	34	7	112	968
Lamp socket. Electric-incandescent.	O. E. Kenney	755,697	Mar. 29	4835	1075	109	1122
Lamp socket. Incandescent.	O. E. Kenney	750,198	Jan. 19	3292	711	108	763
Lamp socket. Incandescent.	N. Marshall.	765,625	July 19	3441	726	111	779
Lamp socket. Incandescent.	C. C. Sibley and G. A. Lutz	778,280	Dec. 27	3607	788	113	2254
Lamp socket. Incandescent.	C. C. Sibley and G. A. Lutz	778,281	Dec. 27	3610	789	113	2255
Lamp socket. Incandescent-electric.	H. A. Framburg	748,599	Jan. 5	81	32	108	20
Lamp socket. Incandescent-electric.	G. B. Painter	771,569	Oct. 4	694	154	112	1107
Lamp-socket. Plural.	R. B. Benjamin	759,962	May 12	2766	580	110	656
Lamp-socket. Plural.	R. B. Benjamin	759,963	May 17	2766	580	110	657
Lamp-socket. Plural.	R. B. Benjamin (Reissue).	12,296	Nov. 22	4793	1016	113	1129
Lamp-socket. Shade-holding.	H. T. Paiste.	778,795	Dec. 27	4601	1004	113	2471
Lamp-socket subbase.	R. B. Benjamin	768,787	Aug. 30	5438	1145	111	2321
Lamp-socket switch. Incandescent.	J. D. Raymond	759,632	May 2	2135	467	110	498
Lamp-socket. Weatherproof.	R. B. Benjamin	768,736	Aug. 30	5435	1145	111	2321
Lamp steadying resistance. Arc.	L. Wolf	760,361	May 17	3525	742	110	827

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Lamp. Street.	W. J. Fryer	754,989	Mar. 22	3529	772	109	822
Lamp support for convertible signal-lanterns. Electric.	L. H. W. Kerber	756,117	Mar. 29	5666	1250	109	1304
Lamp support. Incandescent-electric.	A. Romain and J. D'Agnesvives	756,412	Apr. 5	448	92, 93	100	1438
Lamp-supporting bracket.	F. Clark	764,111	July 5	403	78	111	88
Lamp-supporting means. Electrical.	W. B. Churcher	769,303	Sept. 6	341	77	112	74
Lamp-suspender	A. S. Moore	766,263	Apr. 5	140	28	109	1373
Lamp switch. Electric.	C. Wagner	761,563	May 31	5915	1268	110	1384
Lamp switch. Incandescent-electric.	C. M. Pitel	756,049	Mar. 29	5530	1219	109	1376
Lamp-terminal	H. I. Wood and R. C. Robinson	757,007	Apr. 12	1581	946	109	1694
Lamp tubulating-machine. Incandescent.	W. R. Burrows	766,321	Aug. 2	371	78	111	1122
Lamp. Vacuum arc.	H. Emonds	774,336	Nov. 15	2553	549	113	604
Lamp. Vapor.	E. Seitz	757,780	Apr. 19	3157	686	109	2051
Lamp. Vapor.	A. Glover	766,179	Aug. 2	43	8	111	1051
Lamp. Vapor-burning	R. W. Ziebach	767,726	Aug. 16	3193	671	111	1788
Lamp. Vapor-generating	H. H. Low and N. Wilcox	773,023	Oct. 25	3636	785	112	1801
Lamp. Vapor incandescent.	L. Liais	768,382	Aug. 23	4621	967	111	2126
Lamp-wick raiser	J. Middaugh	763,776	June 28	4266	929	110	2426
Lamps and burners. Flexible drop-light tubing for gas.	W. S. Edwards	758,054	Apr. 26	3688	801	109	2187
Lamps and energizing and lighting same. Means for supporting electric	W. H. Wilkinson	778,618	Dec. 27	4277	933	113	2398
Lamps. Apparatus for automatically lighting or extinguishing street or other gas.	J. Bergan	769,529	Sept. 6	769	166	112	174
Lamps. Device for protecting carbon filaments for incandescent electric	A. W. W. Miller and G. P. McDonnell	768,614	Aug. 30	5099	1071	111	2247
Lamps. Fluid-pressure regulator or governor for vapor.	H. F. Smith	759,035	May 3	891	181	110	204
Lamps. Glowler-support for second-class-conductor	H. N. Potter	764,005	July 5	175	30	111	42
Lamps. Illuminated sign or number plate for automobile.	T. H. Edmonds	749,779	Jan. 19	2521	536	108	599
Lamps. Magnetic lock for miners' safety.	A. Wiedenfeld	740,123	Jan. 5	1151	244	108	265
Lamps. Manufacture of electric incandescent	F. M. F. Cazin	770,322	Sept. 13	2043	430	112	475
Lamps. Manufacture of incandescent electric.	H. Hogge and J. Barollier	766,619	Aug. 2	984	206	111	1260
Lamps. Manufacture of small incandescent	A. D. Whipple	759,650	May 10	2166	446	110	508
Lamps. Manufacturing gloves, luminants, and filaments for electric incandescent	F. M. F. Cazin	772,215	Oct. 11	2019	445	112	1408
Lamps. Means for and method of securing lead-in wires in electric	J. C. Entriken and W. S. Everett	759,506	May 10	1887	380	110	447
Lamps. Means for igniting street or other	P. D. Muiylwyk	778,139	Dec. 20	3330	739	113	2176
Lamps. Portable testing and comparing instrument for electric incandescent	A. McCandlish	756,976	Apr. 12	1523	384	109	1681
Lamps. Rosette for suspending or supporting incandescent	A. H. Rossiter	775,779	Nov. 22	4549	965	113	1079
Lamps. System of distribution for electric glowler.	J. J. Wurts	774,812	Nov. 15	2493	537	113	592
Lamps. System of lighting by gas or vapor electric.	H. N. Potter	751,411	Feb. 2	1171	266	108	1306
Lamps. System of lighting by gas or vapor electric.	H. N. Potter	751,412	Feb. 2	1173	267	108	1306
Lamps. System of lighting by gas or vapor electric.	H. N. Potter	751,413	Feb. 2	1174	267	108	1307
Lamps. System of lighting by gas or vapor electric.	H. N. Potter	751,414	Feb. 2	1175	267	108	1307
Lamps with mantle hanging downward. Bunsen burner for incandescent gas.	H. W. Hellmann	749,381	Jan. 12	1704	362	108	406
Lampblack-making machine	J. H. Mann	754,471	Mar. 15	2536	553	109	590
Lamp-anchor	W. W. Beach	750,151	Jan. 19	3215	691	108	747
Land-clearing machine	W. M. Seymour	758,480	Apr. 26	4523	922	109	2370
Land-elevator	F. W. Arndt	751,826	Feb. 9	1943	441	108	1490
Land-roller	R. V. Wallace	757,583	Apr. 19	2753	604	109	1965
Land-roller.	W. P. McCobb	771,437	Oct. 4	499	100	112	1050
Land roller and harrow. Combined.	J. H. Massmann	775,577	Nov. 22	4159	876	113	994
Land roller and pulverizer	F. Schinbeckler	759,132	May 3	1071	217	110	243
Lantern	J. A. Mosher	762,244	June 7	1194	256	110	1699
Lantern	W. H. Foulkes	778,631	Dec. 27	4344	949	113	2414
Lantern apparatus. Automatic magic.	M. Bentzon	775,963	Nov. 29	4926	1041	113	1178
Lantern attachment.	J. Eckert	764,565	July 12	1377	281	111	817
Lantern attachment. Vehicle	F. M. and G. Fisher	766,028	July 26	4260	910	111	966
Lantern. Dark-room.	W. S. Davenport	760,691	Sept. 13	1059	227	112	259
Lantern frame.	R. J. Kelley	777,638	Dec. 13	2317	508	113	1951
Lantern-globe mold.	A. B. Houghton	763,758	June 28	4228	922	110	2418
Lantern-hook	W. P. McCobb	760,979	May 24	4773	1015	110	1115
Lantern-plug	J. P. Sneddon	749,877	Jan. 19	2365	545	108	608
Lantern safety-case.	H. F. Burchfield	772,085	Oct. 11	1738	392	112	1332
Lantern. Signal.	F. W. Dressel	757,183	Apr. 12	1941	424	109	1774
Lantern. Signal.	E. Corwin	762,383	June 14	1295	277	110	1740
Lap-ring	F. Wenke	758,800	May 3	442	88	110	100
Lap ring or link.	T. Cotten	751,614	Feb. 9	1538	349	108	1403
Lap-robe	F. H. Wilkes	777,825	Dec. 20	3687	591	113	2046
Lapping-machine	R. J. Hill	764,589	July 12	1416	290	111	326
Lapidist's facet-cutting instrument	F. A. Marcher	753,992	Mar. 8	1546	345	109	357
Lard-press sheet-metal cylinder	C. R. Garrigus	769,435	Sept. 6	580	127	112	131
Larding or salting device	R. G. Reynolds	754,501	Mar. 15	2604	566	109	605
Last	W. J. Weir	752,317	Feb. 16	2893	645	108	1721
Last	C. A. Fitz	755,288	Mar. 22	4052	899	109	934
Last	L. Weston	758,820	Mar. 29	5085	1120	109	1176
Last	C. Mack	756,667	Apr. 5	908	198	109	1337
Last	A. H. Brigham and W. E. Trufant	760,055	May 17	2950	616	110	699
Last	G. A. Kretzer	764,804	July 12	2045	422	111	463
Last	H. O. Davis	770,048	Sept. 13	1725	364	112	407

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Invention.	Name.	No.	Date.	Monthly volume.		Vol.	Official Gazette.
				Spec.	Dr'g		
Last. Divided	E. S. Beach	755,559	Mar. 22	4545	1011	109	1040
Last or form. Shoe	H. B. Walker	759,333	May 10	1544	310	110	371
Last or other shoe-form	E. J. Prindle	773,521	Oct. 25	4856	1025	112	2076
Last. Shoe.	W. C. Porter	776,505	Dec. 27	4063	886	113	2351
Last spindle-socket	E. S. Morton	759,397	May 10	1477	296	110	358
Last-support	E. O. Krentler	754,405	Mar. 8	2384	520	109	537
Lasting apparatus. Shoe-upper.	W. H. Burritt	761,356	May 31	5557	1183	110	1304
Lasting-jack	C. F. Pym	755,544	Mar. 22	4520	1006	109	1034
Lasting-jack	H. S. Griffin	764,527	July 5	1262	259	111	275
Lasting-machine.	A. L. Winn	751,128	Feb. 2	630	146	108	1194
Lasting-machine.	L. B. Stamm	762,209	June 7	1129	242	110	1684
Lasting portions of boot or shoe uppers	O. C. Davis	749,267	Jan. 12	1467	314	108	354
Lasting shoes	W. F. Fowler and E. A. King	777,197	Dec. 13	1445	319	113	1762
Lasting-tacks. Machine for pulling	H. Lyon	777,795	Dec. 20	2605	575	113	2029
Lasting uppers	N. G. Shaw	755,583	Mar. 22	4588	1021	109	1050
Latch	J. A. Craig	750,435	Jan. 26	3746	813	108	884
Latch	A. P. Beck	751,450	Feb. 9	1237	282	108	1339
Latch	H. F. Keil	754,319	Mar. 8	2158	478	109	488
Latch	D. W. Tower	754,721	Mar. 15	3032	662	109	697
Latch	T. O'Shaughnessy	755,923	Mar. 29	5303	1171	109	1227
Latch	O. F. Immell	757,464	Apr. 19	2510	551	109	1907
Latch	H. Harden	758,441	Apr. 26	4461	959	109	2357
Latch	J. P. Owens	755,009	May 3	845	171	110	94
Latch	W. Petersen	763,593	July 19	3378	711	111	766
Latch	F. B. Williams	766,785	Aug. 2	1336	282	111	1338
Latch	H. F. Keil	767,567	Aug. 16	2903	608	111	1721
Latch	J. C. Hardenbergh	767,752	Aug. 16	3237	682	111	1796
Latch	C. B. King	768,530	Aug. 23	4893	1025	111	2193
Latch	C. F. Scheel	771,178	Sept. 27	3935	830	112	933
Latch	J. R. Fletcher	771,542	Oct. 4	648	144	112	1097
Latch	C. H. Blanding	774,033	Nov. 1	992	208	113	224
Latch	G. Levy	776,073	Nov. 29	5142	1086	113	1228
Latch	C. A. Paul	777,743	Dec. 20	2504	553	113	2008
Latch. Door	R. J. Quick and W. H. Smith, Jr.	749,094	Jan. 5	1097	231	108	232
Latch. Door	R. F. Pinegar	775,854	Nov. 22	4695	994	113	1108
Latch. Gate	W. A. Sebring	753,323	Mar. 1	190	45	109	46
Latch. Gate	D. Wilson	761,740	June 7	323	44	110	1489
Latch. Gate	A. Murray	761,983	June 7	728	148	110	1598
Latch. Gate	P. N. Risser	763,426	June 28	3626	781	110	2289
Latch. Gate	H. K. Smith	764,076	July 5	331	64	111	72
Latch. Gate	W. J. Donovan	764,278	July 5	742	152	111	164
Latch. Gate	F. Jentz	770,968	Sept. 27	3513	740	112	843
Latch. Gate	J. E. Huffman	776,398	Nov. 29	5757	1218	113	1368
Latch. Gravity	C. H. Wilson	759,580	May 10	2025	414	110	477
Latch. Hasp	I. L. Landis	751,658	Feb. 9	1615	367	108	1420
Latch-lifting devices. Manufacturing	E. A. Moore	768,615	Aug. 30	5100	1072	111	2247
Latch. Night or dead-lock	S. R. Slaymaker	770,542	Sept. 20	2677	566	112	637
Latch. Sliding-door	P. M. Kling	776,747	Dec. 6	567	124	113	1532
Latch. Window	O. C. Call	767,136	Aug. 9	2068	430	111	1519
Lath-forming machine. Metal	S. Davidson	768,931	Aug. 30	5740	1207	111	2390
Lath-forming machine. Metal	J. F. Malone	768,946	Aug. 30	5773	1213	111	2398
Lath. Metal	F. S. Chester	764,989	July 12	2229	460	111	504
Lath. Metal	S. Davidson	768,932	Aug. 30	5742	1208	111	2391
Lath. Metal	J. F. Malone	768,947	Aug. 30	5776	1214	111	2398
Lath-stripping machine	N. H. Bolton	764,106	July 5	392	75, 76	111	86
Lathing for buildings. Sheet	J. D. O'Brien	773,886	Nov. 1	708	149	113	162
Lathing. Machine for making metallic	P. Kühne	754,077	Mar. 8	1702	378	109	391
Lathing. Metallic	J. R. Evans	765,963	July 26	4121	880	111	938
Lathing-weaving machine. Sheet	J. D. O'Brien	765,191	July 19	2936	543	111	397
Lathe	P. J. and R. H. Cahill	759,074	May 3	970	196	110	221
Lathe	P. Krepp	761,507	May 31	5813	1242	110	1363
Lathe	J. Hartness	771,243	Oct. 4	46	11	112	971
Lathe	R. F. Scott	776,554	Dec. 6	173	39	113	1464
Lathe	W. L. Cheney	777,181	Dec. 13	1416	314	113	1756
Lathe adjustable tool-holder. Turret	C. E. Search and E. Cheshire	767,598	Aug. 16	2374	622	111	1737
Lathe-apron	W. Lodge and N. D. Chard	762,482	June 14	1707	367	110	1828
Lathe attachment	M. S. Kimble	761,502	May 31	5805	1241	110	1361
Lathe attachment	A. Palm	771,997	Oct. 11	1567	351	112	1308
Lathe attachment. Spinning.	L. C. Kahl	768,138	Aug. 23	4192	882	111	2024
Lathe. Automatic	L. T. Kline	775,302	Nov. 23	3548	748	113	858
Lathe back-rest	N. Lentz	770,724	Sept. 30	3017	641	112	712
Lathe back-rest. Jeweler's	W. N. Manning	771,736	Oct. 4	997	223	112	1172
Lathe-carriage automatic stop	N. D. Chard	764,109	July 5	401	77	111	87
Lathe-carriage turret attachment	J. H. Blair	760,488	Aug. 2	710	149	111	189
Lathe center-rest	O. E. Masterman	773,957	Nov. 1	852	179	113	196
Lathe centering and drilling attachment	H. B. Ricks	766,843	Aug. 9	1489	311	111	1391
Lathe centering device	J. F. Behringer	767,326	Aug. 9	2414	506	111	1593
Lathe. Combination	J. B. Ehrlich	758,514	Apr. 26	4599	990	109	2388
Lathe diameter-gage	N. D. Chard	773,196	Oct. 25	4151	876	112	1923
Lathe-dog	C. E. Brown	757,253	Apr. 12	2066	451	109	1800
Lathe-driver	H. D. Teas	770,546	Sept. 20	2690	569	112	641
Lathe. Engine	E. Earle	758,628	May 3	48	9	110	15
Lathe. Engine	R. Teegler	767,609	Aug. 16	2398	626	111	1742
Lathe-machine attachment.	J. Denault	758,298	Apr. 26	4042	878	109	2362
Lathe. Pipe-threading hand.	J. P. Bond	764,341	July 5	873	178	111	191
Lathe. Ring-turning	W. Christie	759,592	May 10	2048	419	110	481
Lathe. Self-centering axle	K. von Boeckmann	774,825	Nov. 15	2320	542	113	597
Lathe speed-change mechanism	W. D. Snider	759,007	Feb. 9	2312	516	108	1571
Lathe speed-changing mechanism. Engine	J. Judd	762,062	June 7	865	178	110	1624
Lathe taper attachment. Turret	C. G. Richardson	757,681	Apr. 19	2962	644	109	2008

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Lathe templet-controlled turner	J. Hartness.	763,886	June 28	4480	976	110	2471
Lathe test-indicator	G. G. Riggs and A. E. Babin	773,425	Oct. 25	4684	978	119	3027
Lathe tool-holder	J. C. G. 1904	731,054	Feb. 9	498	116	108	1168
Lathe-tool holder	F. H. Sandherr	760,021	May 17	2888	604	110	684
Lathe tool-holder	J. S. Henry	764,466	July 5	1139	231	111	252
Lathe tool-holder	W. Bixby	772,371	Oct. 11	2141	468	112	1437
Lathe tool-support	A. R. Tiffany	751,701	Feb. 9	1690	384	108	1486
Lathe tool. Threading-	J. Goetz	761,472	May 31	373	1227	110	1349
Lathe turning-tool	J. Hartness	769,219	Sept. 6	152	37, 38	112	83
Lathe. Turret-	J. P. Lavigne.	756,659	Apr. 5	882	193 194	109	1590
Lathe. Turret-	J. Hartness.	771,342	Oct. 4	38	7 10 11	112	969
Lathe. Turret-	J. C. Potter and J. Johnston	772,477	Oct. 18	2570	565	112	1552
Lathe turret mechanism. Automatic.	J. P. Brophy	756,467	Apr. 5	554	116	109	1461
Lathe. Wheel-	J. R. Crowley	753,675	Mar. 1	882	200	109	191
Lathe. Woodworking-	J. M. Kuebler.	768,466	Aug. 23	4765	998 999 1000	111	2157
Lathes. Variable-speed mechanism for	W. Lodge	749,492	Jan. 12	1958	407	108	458
Lathering device	T. E. Beck	776,719	Dec. 6	503	110	113	1588
Lattice-work structure	R. C. Layton	756,861	Apr. 12	1287	287	109	1694
Launching-way	J. Salvesen	766,974	Aug. 9	1743	865	111	1449
Laundry apparatus	E. C. Coburn	755,455	Mar. 22	4372	968	109	1002
Laundry-machine roller	W. E. Cumback	751,836	Feb. 9	1961	445	108	1493
Laundry-marker	H. H. Reed	763,323	June 21	3366	731	110	2211
Laundry-marker	C. A. Bunker	767,627	Aug. 16	3029	633	111	1749
Laundry. Portable	W. A. Roberson	749,968	Jan. 5	1550	182	108	197
Laundry-register	G. Wehner	764,648	July 12	1554	316	111	1311
Laundry-tongs	S. R. Nettleton	765,851	July 26	3924	837	111	893
Laundry-tub water-indicator	C. Jensen	756,642	Apr. 5	845	183	109	1322
Lavatory or shampooing bowl	M. Housholder	758,447	Apr. 26	4472	961	109	2359
Lavatory, water-closet, and cabinet. Combined	J. B. Legg	768,876	Aug. 30	5642	1185	111	2367
Lawn-edge trimmer	J. E. Miller	758,310	Apr. 26	4208	905	109	2391
Lawn-edging tool	O. R. Olson	773,095	Oct. 25	3867	826	112	1856
Lawn-rake	O. Kampfe	757,123	Apr. 12	1819	399	109	1745
Lawn-shears	C. H. Flisk	756,227	Apr. 5	70	16	109	1357
Lawn-sprinkler	E. Sutherland	754,172	Mar. 8	1881	419	109	431
Lawn-sprinkler	A. Vandervoort	757,160	Apr. 12	1897	414	109	1764
Lawn-sprinkler	H. F. Neumeyer	768,618	Aug. 30	5104	1073	111	2248
Leach-clearing mechanism	C. P. Bossert	750,427	Jan. 26	3723	808 809	108	879
Leaching apparatus	G. W. Stead	758,713	May 3	264	52	110	68
Lead-bearing ores. Treating	C. H. Rider	759,192	May 3	1195	243	110	270
Lead-gage and arbor-level	M. C. Barry	770,150	Sept. 13	1900	404	112	445
Lead. Manufacture of white	J. W. H. James.	750,541	Jan. 26	3964	108	998	
Lead. Manufacture of white	J. Oestli	771,024	Sept. 27	3627	763	112	866
Lead. Manufacturing spongy	J. H. Mercadier.	757,906	Aug. 16	3548	108	111	1602
Lead ores. Desulfurizing	A. Savelsberg	755,598	Mar. 22	4619	1082	109	1057
Lead salts. Making	W. Mills	754,667	Mar. 15	2915	108	109	669
Lead. Treating the residue resulting from manu- facture of white	J. W., F. T., and M. Bailey	766,133	July 26	4467	957	111	1011
Leaf-turner	E. Taylor	751,219	Feb. 2	823	189	108	1232
Leaf-turner	W. Geyer	759,365	May 10	1622	327 328	110	387
Leaf-turner	F. Hoffman, L. A. Sprenger, and J. J. Weber.	777,786	Dec. 20	2589	572	113	2026
Leaf-turner. Pneumatic	W. R. Smith	774,971	Nov. 15	2807	601 602	113	663
Leaf-closing clamp	J. G. McCarter and A. W. Rockwood.	761,696	June 7	149	29	110	1471
Leather. Apparatus for baking or curing patent-	E. C. Amidon	759,844	May 17	2548	533	110	607
Leather-beading machine	H. Parsons. (Reissue)	12,394	June 31	3411	742	110	2221
Leather-bleaching apparatus	A. Aagaard	764,971	July 12	3200	111	97	
Leather-cutting machine	F. Stoffer	757,361	Apr. 12	2298	109	1847	
Leather dressing and preservative. Waterproof	W. R. Smith	765,685	July 26	3581	760	111	824
Leather durable and waterproof. Rendering	B. E. Goldsmith	772,923	Oct. 25	3463	112	1703	
Leather. Enameled or patent	W. Forger	776,330	Dec. 6	744	113	1590	
Leather. Finishing patent	C. H. Keefe	761,233	May 31	5307	1126	110	1249
Leather goods. Cleaning white	C. H. Keefe	771,252	Oct. 4	66	15	112	976
Leather-graining machine	W. Macmillan	774,360	Nov. 8	1404	113	333	
Leather-graining machine	C. S. Luitwieler	766,635	Aug. 2	1011	212 213	111	1206
Leather. Making	M. A. Holmes.	763,895	June 28	4498	981	110	2475
Leather-piece marker. Upper-	H. Karle and J. Schmidt	750,371	Jan. 26	3634	786	108	857
Leather-press	R. D. Scott	760,572	May 24	3944	837	110	938
Leather. Production of substances resembling	J. R. Scott.	760,025	May 17	2894	605	110	685
Leather-seasoning machine	J. M. Seymour and A. M. Harris	750,403	Jan. 26	3680	799	108	870
Leather-skiving machine	J. H. Gay and W. D. Quigley	755,761	Mar. 29	4985	1109	109	1153
Leather-splitting machine	J. W. Decker	777,348	Dec. 13	1536	941	113	1783
Leather-splitting machines. Sectional-ring fric- tional roller for	S. C. Bond	774,505	Nov. 8	1863	404 405	113	432
Leather-staking machine	G. W. Baker	776,984	Dec. 6	1042	224 225	113	1659
Leather-stitching-machine roller-guide	J. Hughes	751,398	Feb. 2	1151	263	108	1302
Leather-stretching machine	E. L. Post	778,686	Oct. 11	1698	379	113	1335
Leather-stretching-machine clutch	E. L. Post	772,955	Oct. 11	1698	379	112	1338

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Leather substitute. Manufacture of an artificial	G. Ebert	772,646	Oct. 18	2884		112	1620
Leather. Treating	P. Magnus	775,839	Nov. 22	4668		113	1103
Leather. Treating manufactured	A. W. Case	776,453	Nov. 29	5870		113	1394
Leather used for making power-belts. Machine for stretching	E. L. Post	772,054	Oct. 11	1696	378	112	1337
Leather used for making power-belts. Machine for stretching	E. L. Post	776,685	Dec. 6	436	97	113	1524
Ledger	J. A. Kramer	758,976	May 3	784	158	110	181
Ledger	H. L. Hall	759,990	May 17	2829	592	110	672
Ledger	J. Barker	777,931	Dec. 20	2931	644	113	2094
Ledger attachment. Bank	A. Stonehouse.	755,721	Mar. 29	4801	108	109	1133
Ledger-binder	L. E. Schoch	759,133	May 3	1073	217	110	244
Ledger binder. Loose-leaf	L. M. Leslie	750,664	Jan. 26	4163	903	108	969
Ledger. Loose-leaf	H. W. Ayres	758,392	Apr. 26	4158	892	109	2227
Ledger. Loose-leaf	A. E. Anderson	755,556	July 26	3329	744	111	813
Ledger or binder	J. Barker and W. N. Winfield	777,932	Dec. 20	2962	644	113	804
Ledger or binder. Loose-leaf	E. C. Suckert	768,159	Aug. 23	4151	873	111	2016
Ledger or binder. Loose-leaf	E. C. Suckert	772,847	Oct. 18	3878	715	112	1705
Ledger or book. Self-indexing loose-leaf	S. B. Kirtley	767,290	Aug. 9	3355	493	111	1380
Ledgers, account and record books, files, &c. Lock for the adjustable backs of loose-leafed	A. D. Hulquist	749,992	Jan. 19	2921	694	108	656
Ledgers, account-books, &c. Lock for the adjustable backs of loose-leafed	A. D. Hulquist	749,560	Jan. 12	2078	432	108	487
Leer	W. McClintock, E. J. Krause, and D. S. Beebe	762,742	June 14	2237	486	110	590
Leer	M. J. Owens	774,692	Nov. 8	2206	481	113	506
Leer-filling machine	M. J. Owens	774,691	Nov. 8	2204	481	113	505
Leers or annealing-furnaces. Ware-feeding apparatus for	H. H. Bridgwater and J. Haley	765,306	July 19	2801	585	111	642
Leg and support. Removable	J. E. Knight	766,702	Aug. 2	1158	240	111	1290
Leg. Artificial	L. Duggan	757,287	Apr. 12	2136	467	109	1814
Leg. Artificial	W. Engels	762,081	June 7	808	165	110	1613
Leg-fastening	A. Ow	748,677	Jan. 5	614	138	108	137
Leg or support. Metallic	H. F. Keil	777,515	Dec. 13	2057	453	113	1896
Legging	J. Peel	755,694	Mar. 29	4827	1072	109	1210
Legging	J. M. Braun	758,349	Apr. 26	4283	920	109	2326
Legging	W. S. Callery and R. Settle	765,065	July 12	2281	495	111	533
Legging	M. Ross	765,905	July 26	4016	887	111	914
Legging and boot. Automobile	A. Heilbroner	769,606	Sept. 6	894	193	112	202
Legging. Puttie	J. T. Allinson and W. T. S. Robertson.	749,911	Jan. 19	2759	592	108	651
Legging-spring	M. Rosenwasser	749,951	Jan. 19	2841	607	108	669
Lemon-squeezer	D. H. Mosteller	749,573	Jan. 12	3097	496	108	491
Lemon-squeezer	A. McLaren	752,573	Feb. 16	3381	754	108	1828
Lemon-squeezer	W. H. Gregory	765,005	July 12	2253	465	111	508
Lens	U. Nehring	756,881	Apr. 12	1323	295	109	1641
Lens	U. Nehring	761,390	May 31	5617	1196	110	1317
Lens	H. Harting	765,046	July 12	2255	466	111	509
Lens	H. Harting	766,036	July 26	4273	915	111	969
Lens axis-finder	L. L. Mincer	755,188	July 19	2589	542	111	596
Lens-box	J. Menchen	761,977	June 7	717	146	110	1596
Lens-boxes	J. Menchen	770,765	Sept. 27	3069	653	113	749
Lens-carriage-securing means	C. E. Hutchings	754,872	Mar. 15	3312	722	109	758
Lens combination for producing virtual images	M. von Rohr	775,353	Nov. 22	3662	777	113	885
Lens-cutting machine	E. Clarke	772,788	Oct. 18	3169	689	112	1680
Lens-edge-grinding machine	E. Clarke	772,785	Oct. 18	3171	690	112	1680
Lens grinding and polishing apparatus. Toric	F. E. Collinson	761,061	May 31	4975	1054	110	1177
Lens-grinding machine	C. L. Rameau	757,053	Apr. 12	1683	365	109	1716
Lens-grinding machine	F. M. Clark	761,207	May 31	5244	1112	110	1235
Lens-grinding machine	W. G. Wolfe	766,482	Aug. 2	699	1113	111	1193
Lens-grinding machine	L. Wilhelm	768,718	Aug. 30	3307	1116	111	2291
Lens-grinding machine	C. L. Rameau	772,481	Oct. 18	2470	541	112	1531
Lens-grinding machine	E. L. Egoif	774,745	Nov. 15	2258	510	113	561
Lens-holder. Lathe	W. F. Boast	773,188	Oct. 23	4186	874	112	1919
Lens. Apparatus for finding the axis and prismatic power of	F. Hamilton	762,596	June 21	3731	593	110	2071
Lenses. Machine for drilling holes in	E. Clarke	772,784	Oct. 18	3170	689	112	1680
Lenses or mirrors. Apparatus for the systematic alteration of plane pictures by means of spherical	T. Scheimpflug	752,596	Feb. 16	3416	761	108	1837
Lenses or mirrors. Distorting plane images by means of	T. Scheimpflug	751,347	Feb. 2	1063	241	108	1284
Letter and document distributor	F. Bristow	753,538	Mar. 1	621	141	109	136
Letter-box	G. E. Benton	749,154	Jan. 19	1236	283	108	2014
Letter-box	H. E. Warner	757,698	Apr. 19	2940	650	109	801
Letter-box	J. N. Nutt	775,543	Nov. 22	4086	859	113	978
Letter-box, door-bell, and name-plate. Combination	H. Messersmith	754,664	Mar. 15	2910	636	109	668
Letter-clip and blotter. Combination	L. Pratt	749,221	Jan. 12	1379	294	108	337
Letter-drop signal	M. S. Fiechter	764,233	July 5	663	135	111	148
Letter. Lighted	A. Auzevic	769,457	Sept. 6	616	136	112	140
Letter. Molded sign	J. Hotchner	767,060	Aug. 9	1907	400	111	1485
Letter-opener, pencil-sharpener, and eraser. Combined	A. F. Rebhan	776,938	Dec. 6	960	205	113	1639
Letter or figure dies. Producing interchangeable	G. White	764,170	July 5	521	103	111	115
Letter-package tie	C. S. Kellum	749,935	Jan. 19	2817	602	108	663
Letter-press	W. A. Rosenbaum	753,020	Apr. 5	662	142	109	1482
Letter-sheet and envelop	A. A. Henderson	769,136	Aug. 30	6148	1285	111	2479

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Letter-sheet and envelop. Combined	E. L. Wilson	757,005	Apr. 12	1579	345	109	1694
Letter-sheet and envelop. Combined	E. A. Christoph	750,423	May 24	3645	771	110	869
Letter-sheet and envelop. Combined	T. F. Archer	763,085	June 21	3809	609	110	2087
Letter tray, basket, or drawer	P. M. Cary and G. K. Rix	761,655	June 7	48	8	110	1446
Letters, &c. Franking or stamping apparatus for.	N. A. Krag and G. A. Hansen	774,761	Nov. 15	2392	516	113	569
Lettering device	G. E. Green and E. W. Wagoner	777,018	Dec. 6	1115	242	113	1674
Levee-protector and making same	F. V. Wright	774,901	Nov. 15	3680	575	113	634
Level	J. A. Tract	760,587	May 24	3770	844	110	944
Level	L. L. Wilcox	764,092	July 5	362	70	111	80
Level	D. Ricono	765,858	July 26	3934	839	111	895
Level	P. M. Walsh	777,165	Dec. 13	1389	307	113	1751
Level. Adjustable	C. H. Whitehouse	775,483	Nov. 22	3940	892	113	946
Level and gage. Combined	T. T. Alexander	770,411	Sept. 20	2421	511	112	581
Level and grade finder. Combined	E. Heib	764,809	July 12	1869	384	111	424
Level and plumb	A. J. Patterson	760,917	May 24	4656	992	110	1090
Level and plumb	W. Potter	763,321	July 19	2843	595	111	652
Level and plumb. Spirit	S. Winberg	761,279	May 31	3717	157	110	107
Level and square. Combined	L. A. Wiesman	753,014	Feb. 9	2332	519	108	1573
Level. Artist's	A. K. Cross	761,033	May 24	4913	1041	110	1143
Level. Line-sighting	T. Sandbrook	778,508	Dec. 27	4069	887	113	2353
Level. Plumb	J. J. Lankford	753,149	Feb. 23	4516	1006	108	3096
Level. Plumb	F. E. Kretz	765,847	July 26	3919	836	111	892
Level. Plumb	W. C. Miller	778,756	Dec. 27	4520	990	113	2452
Level. Plumb, and inclinometer	J. Happle	756,628	Apr. 5	824	177	109	1517
Level. Spirit	R. B. Ferguson	756,949	Apr. 12	1463	323	109	1670
Level. Spirit	C. F. Crawford	759,594	May 30	3051	419	111	483
Level. Spirit	E. D. Warner	767,185	Aug. 9	3173	633	111	1540
Level. Spirit	J. Bishop	771,803	Oct. 11	1154	258	112	1220
Level. Spirit	M. Fullenlove	773,284	Oct. 25	4331	915	112	1962
Level. Spirit	D. A. James	778,130	Dec. 20	3317	728	113	2173
Level. Spirit	D. A. James	778,131	Dec. 20	3316	728	113	2173
Level. Spirit	J. Drew	775,129	Nov. 13	3141	663	113	740
Level. Try gravity	J. W. Lafferty	752,079	Feb. 16	2433	544	108	1617
Leveler. Field	R. M. Shannon	771,580	Oct. 4	714	158	112	1111
Leveling instrument	G. G. Townsend	754,723	Mar. 15	3036	662	109	697
Leveling instrument	B. A. Goodwin	761,219	May 31	5269	1119	110	1240
Leveling instrument	F. Lord	763,072	June 7	888	182	110	1630
Leveling instrument	H. K. Akins	765,871	July 26	3954	844	111	900
Leveling rod	W. B. Shropshire	778,080	Dec. 20	3215	707	113	2151
Lever. Lock	W. S. Graham	778,185	Dec. 20	3419	751	113	2194
Lever mechanism	L. S. Chadwick	773,474	Oct. 25	4723	997	112	2044
Lever. Ratchet	E. W. Koehler	772,157	Oct. 11	1909	428	112	1383
Levigating-mill	J. W. H. James	776,472	Nov. 29	5904	1246	113	1402
Licorice-root. Extracting juice from dried	F. Evers	762,032	June 7	810		110	1613
Lid-supporting device	L. B. Heep	773,497	Oct. 25	4788	1009	112	2059
Life-belts. Means for inflating	F. Clews, Jr., and F. Y. Dalziel	756,654	Feb. 23	3338	732	108	1883
Life-buoy	C. Baswitz	772,690	Oct. 18	2977	653	112	1639
Life-preserver	A. Tann	763,518	June 28	3771	815	110	2319
Life-preserver	A. Tann	769,947	Sept. 13	1364	292	112	327
Life-saving apparatus. Means for lowering loads applicable as	C. Klärle	763,499	Mar. 1	520	120	109	114
Life-saving appliance	J. M. Decker	765,274	July 19	2746	573	111	631
Lift or the like	H. D. Barlow	767,541	Aug. 16	2864	597	111	7712
Lifter:							
See Beet-lifter.	Post-lifter.						
Can-lifter.	Sash-lifter.						
Culinary lifter.	Skylight or transom lifter.						
Cuspidor-lifter.	Transom-lifter.						
Grain-lifter.	Vacuum-lifter.						
Invalid-lifter.	Wagon-body lifter.						
Plate-lifter.							
Plate or pan lifter.							
Lifting							
Lifting apparatus.	L. P. Normandin	765,674	July 26	3561	754	111	820
Lifting apparatus.	D. A. Taylor	750,320	Jan. 26	3542	765	108	839
Lifting apparatus.	D. W. Parker and C. E. Ginter	758,773	May 3	391	78	111	96
Lifting-jack	E. H. Vogel	765,347	July 19	2743	606	111	664
Lifting-jack	M. M. Moore, Sr.	743,972	Jan. 5	830	176	108	193
Lifting-jack	W. C. Smith	748,992	Jan. 5	859	184	109	199
Lifting-jack	L. C. Kimberly	750,287	Jan. 26	3468	750	108	821
Lifting-jack	L. G. Lander	751,309	Feb. 2	1007	228	108	1271
Lifting-jack	M. V. H. Perkins and G. V. Patterson	751,336	Feb. 2	1048	298	108	1281
Lifting-jack	R. F. Cook	751,613	Feb. 9	1537	349	108	1403
Lifting-jack	E. C. Yeager	753,502	Feb. 16	3238	722	108	1795
Lifting-jack	F. C. Dalton	752,666	Feb. 23	3561	793	108	1884
Lifting-jack	D. Donald	758,903	May 3	651	130	110	153
Lifting-jack	G. Derksen	759,248	May 10	1376	274	110	334
Lifting-jack	H. Schroer	761,413	May 31	5655	1204	110	1326
Lifting-jack	G. Riggs	761,914	June 7	604	121	110	1574
Lifting-jack	W. T. Bunn	762,276	June 14	1273	274	110	1737
Lifting-jack	J. R. Pearsall	763,841	June 14	2450	531	110	1983
Lifting-jack	M. C. Richards	764,677	July 12	1613	329	111	369
Lifting-jack	J. R. Best	765,353	July 19	2913	608	111	666
Lifting-jack	J. C. Houston	767,275	Aug. 9	3332	488	111	1575
Lifting-jack	G. Wileman	767,335	Aug. 16	2846	585	111	1708
Lifting-jack	L. E. Hocker	767,886	Aug. 16	3515	744	111	1555
Lifting-jack	W. A. Johnston	768,182	Aug. 23	4190	881	111	2024
Lifting-jack	H. J. Schmick	768,821	Aug. 30	5508	1158	111	2334
Lifting-jack	V. C. Bartlett	773,456	Oct. 25	4684	990	112	2037

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'E.	Vol.	Page.
Lifting-jack.....	W. Terry.....	778,085	Dec. 20	3224	709	113	2133
Lifting-jack and shill-support.....	J. H. Kingsbury.....	749,489	Jan. 12	1953	405	108	678
Lifting-jack. Screw.....	M. L. Gaskill.....	736,489	Apr. 5	535	128	109	4514
Lifting-jack. Variable-power.....	E. M. Robinson.....	756,982	Apr. 12	1533	337	109	1683
Lifting mechanism.....	T. L. F. Stack.....	750,409	Jan. 26	3692	801	108	872
Lifts. Automatic wheel-brake for.....	W. Mayer.....	774,850	Nov. 15	3577	854	113	608
Lifts or hoisting mechanism. Controlling device for electrical.....	H. Stahl.....	770,873	Sept. 27	3321	701	112	798
Lifts. Producing top.....	C. C. Small.....	772,840	Oct. 18	3266	713	112	1702
Ligature-tube.....	B. K. Hollister.....	749,934	Jan. 19	2816	601	108	663
Light:							
See Decorative light. Portable light.							
Drop-light. Search-light.							
Electric light. Sidewalk or other light.							
Incandescent light. Skylight.							
Night-light. Street-light.							
Light-controlling system.....	H. Faltermayer.....	758,589	Apr. 26	4745	1023	109	2420
Light-extinguisher. Time.....	W. J. Brown.....	760,677	May 24	4173	886	110	987
Light-extinguishing apparatus. Time.....	S. Wells.....	774,926	Nov. 15	2735	595	113	647
Light-fixture.....	V. H. Slinack.....	776,361	Nov. 29	5687	1204	113	1353
Lighting and alarm device. Combined.....	J. Thorsen.....	757,364	Apr. 12	3301	502	109	1849
Lighting and heating appliance.....	H. Darwin.....	772,698	Oct. 18	2992	656	112	1642
Lighting and heating device. Vapor.....	F. W. De Tray.....	771,863	Oct. 11	1277	280	112	1247
Lighting attachment.....	J. H. Prosser.....	753,517	Mar. 1	571	131	109	124
Lighting-ring.....	A. J. Blackford.....	753,115	Feb. 23	4457	991	108	2084
Lightning-arrester.....	W. E. Cone.....	749,426	Jan. 12	1792	378	108	424
Lightning-arrester.....	C. C. Chesney.....	751,460	Feb. 9	1251	286	108	1341
Lightning-arrester.....	H. N. Keifer.....	733,582	Mar. 1	707	158	109	154
Lightning-arrester.....	G. Babcock.....	757,388	Apr. 12	2350	512	109	1535
Lightning-arrester.....	L. R. Gaw.....	758,688	May 3	65	13	110	19
Lightning-arrester.....	J. C. Barclay.....	759,796	May 10	2447	513	110	569
Lightning-arrester.....	G. Babcock.....	753,550	June 28	3422	744	110	2211
Lightning-arrester.....	C. T. Mason.....	757,062	Aug. 9	1734	376	111	1459
Lightning-arrester.....	G. B. Wolfe.....	768,196	Aug. 23	4218	887	111	2030
Lightning-arrester.....	W. H. and J. E. Geist.....	769,738	Sept. 13	1143	246	112	277
Lightning-arrester.....	P. H. Thomas.....	772,190	Oct. 11	1970	435	112	1395
Lightning-rods. Apparatus for demonstrating the efficiency of.....	H. Simpson.....	763,516	June 28	3769	814	110	2318
Limb. Artificial.....	W. T. Carnes.....	760,102	May 17	3048	637	110	721
Limb. Artificial.....	A. Gault.....	766,686	Aug. 2	1133	235	111	1293
Limb. Artificial.....	H. Wenneborg, Jr.....	772,318	Oct. 11	2231	489	112	1457
Limb. Artificial.....	S. E. Staggs.....	772,753	Oct. 18	3119	679	112	1609
Limb. Artificial.....	J. R. Cunningham.....	773,199	Oct. 25	4168	880	112	1926
Limb. Artificial.....	L. A. Weisser.....	775,506	Nov. 22	3977	839	113	954
Limb. Artificial.....	S. J. Henry.....	776,908	Dec. 6	893	193	113	1624
Limb-fastening device. Artificial.....	J. E. Hanger.....	762,322	June 14	2404	523	110	1978
Limb suspender. Artificial.....	J. F. Rowley.....	774,111	Nov. 1	1142	244	113	258
Limbs, &c. Joint for artificial.....	G. Reinhardt.....	771,268	Oct. 4	94	21	112	982
Lime and sediment extractor.....	H. White.....	766,750	Aug. 2	1247	206	111	1318
Lime-distributor.....	J. H. and D. E. Kefauver.....	772,941	Oct. 25	3479	754	112	1766
Lime-hydrating machine.....	J. Reaney, Jr.....	773,029	Oct. 25	3662	789	112	1807
Lime into powdered hydrated lime. Converting quick.....	J. Reaney, Jr.....	773,030	Oct. 25	3665	790	112	1808
Lime or cement kiln.....	W. S. Speed.....	772,184	Oct. 11	1958	432	112	1392
Lime-slaking apparatus.....	J. P. Rich.....	761,913	June 7	603	121	110	1573
Lime-slaking apparatus.....	B. C. White.....	773,834	Nov. 1	574	124	113	132
Lime sucrate. Apparatus for making.....	E. Kuthe.....	762,915	June 21	2601	563	110	2042
Lime-casting machine.....	W. S. Scudder.....	754,614	Mar. 15	2805	613	109	646
Lime-holder.....	C. Lykke.....	757,820	Apr. 19	3226	700	109	2065
Lime-holder.....	J. P. McPherson.....	765,250	July 19	2698	502	111	620
Lime-throwing apparatus.....	W. Schermuly.....	764,682	July 12	1622	332	111	371
Lime-wire clamp.....	H. C. Willitz.....	755,092	Mar. 22	3704	813	109	862
Lineman-supporting mechanism.....	T. E. Hallett.....	759,274	May 10	1431	285	110	347
Link. Fusible.....	F. Gray.....	756,847	Apr. 12	1266	281	109	1630
Link. Mending.....	J. D. Austin.....	761,812	June 7	408	89	110	1340
Link. Mending.....	M. L. Livingston and J. M. Hodgen.....	767,073	Aug. 9	1392	403	111	1491
Link. Repair.....	E. Blue and Q. Herndon.....	770,709	Sept. 20	2993	636	112	708
Link. Separable.....	E. C. Vale.....	754,521	Mar. 15	2639	573	109	613
Linoleum carpets. Manufacturing.....	F. K. Magnus af Ekström.....	754,581	Mar. 15	2753	599	109	634
Linoleum, &c. cutter.....	E. Kinney.....	757,317	Apr. 12	2212	482	109	1820
Linoleum-cutting machine.....	E. J. Hemington.....	769,081	Aug. 30	5033	1264	111	2453
Linoleum floor-cloth, &c. Apparatus for the manufacture of mosaic.....	M. B. Nairn.....	754,085	Mar. 8	1720	383	109	395
Linoleum. Machine for the manufacture of inlaid.....	H. V. Holland.....	759,106	May 3	1018	207	110	231
Linoleum. Machinery for manufacturing patterned.....	P. Blaubach.....	768,211	Aug. 23	4250	894	111	2037
Linoleum. Making.....	L. W. Seeser.....	778,715	Dec. 27	4446	972	113	2437
Linoleum. Manufacture of.....	L. W. Seeser.....	773,995	Nov. 1	920	193	113	211
Linoleum. Manufacture of.....	F. O. Gripp.....	778,558	Dec. 27	4355	951	113	2416
Linoleum. Material for use as substitute for.....	E. V. Clausen and C. A. Heilmann.....	773,275	Oct. 25	4312	112	1958	
Linotype-distributor.....	J. M. Cooney and H. L. Totten.....	759,501	May 10	1880	378	110	446

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Linotype for printing music typographically.....	J. Broadhouse.....	751,607	Feb. 9	1519	345	108	1401
Linotype-machine.....	J. M. Cooney.....	756,477	Apr. 5	575	120	109	1464
Linotype-machine.....	P. T. Dodge.....	757,099	Apr. 12	1768	384	109	1735
Linotype-machine.....	S. J. Briden.....	757,648	Apr. 19	2898	631	109	1995
Linotype-machine.....	D. D. Scott.....	757,685	Apr. 19	2967	645	109	2009
Linotype-machine.....	W. H. Randall.....	758,103	Apr. 26	3783	822	109	2206
Linotype-machine.....	J. N. Crofut.....	759,502	May 10	1883	378	110	446
Linotype-machine.....	P. T. Dodge.....	761,288	May 31	5422	1152	110	1272
Linotype-machine.....	P. T. Dodge.....	763,735	June 28	4189	913	110	2410
Linotype-machine.....	P. T. Dodge.....	764,116	July 5	412	80	111	90
Linotype-machine.....	D. S. Kennedy.....	764,133	July 5	438	85, 86	111	95
Linotype-machine.....	J. R. Rogers.....	767,169	Aug. 9	2140	445	111	1534
Linotype-machine.....	J. R. Rogers.....	768,910	Aug. 30	5698	1198	111	2381
Linotype-machine.....	J. R. Rogers.....	773,341	Oct. 25	4448	943	112	1987
Linotype-machine.....	P. T. Dodge.....	776,779	Dec. 6	624	136	113	1564
Linotype-machine.....	J. R. Rogers.....	778,609	Dec. 27	4260	928	113	2394
Linotype-machine alarm attachment.....	G. L. Venable.....	754,030	Mar. 8	1620	361	109	373
Linotype-machine assembling mechanism.....	J. Tunaley.....	764,167	July 5	516	101	111	114
Linotype-machine attachment.....	E. B. Clark.....	754,970	Mar. 22	3499	766	109	816
Linotype-machine attachment.....	P. Shea.....	758,284	Apr. 26	4140	894	109	2284
Linotype-machine matrix.....	W. G. Middleton.....	753,604	Mar. 1	739	165	109	161
Linotype-machine. Multiple-magazine.....	P. C. Lawless.....	771,160	Sept. 27	3897	823	112	925
Linotype-machine. Multiple-magazine.....	P. C. Lawless.....	771,161	Sept. 27	3901	823	112	926
Linotype-machine. Multiple-magazine.....	P. C. Lawless.....	771,162	Sept. 27	3904	824	112	926
Linotype-machine tabulating attachment.....	E. T. Waters.....	770,341	Sept. 20	2311	487	112	557
Linotype-machines. Producing notches in linotypes or slugs as they are cast in.....	W. R. Speechley.....	754,619	Mar. 15	2816	615	109	648
Linotype-matrix.....	H. Petersen.....	752,179	Feb. 16	2605	579	108	1655
Liquid. Apparatus for delivering measured quantities of.....	H. J. S. Cassal.....	752,633	Feb. 23	3536	792	108	1882
Liquid-applying apparatus.....	L. W. Davis.....	764,796	July 12	1843	378	111	419
Liquid at a desired temperature. Means for obtaining.....	M. Treves.....	771,512	Oct. 4	578	130	112	1082
Liquid-cooler.....	J. L. Steitz.....	749,238	Jan. 12	1402	300	108	341
Liquid-cooler.....	O. Roderwald.....	749,325	Jan. 12	1588	336	108	382
Liquid-cooler.....	J. O. Beazley.....	767,325	Aug. 9	2412	506	111	1592
Liquid-cooler coil-support.....	M. J. Bernhard.....	772,081	Oct. 11	1751	390	112	1350
Liquid-cooling apparatus.....	G. F. Black.....	759,855	May 17	2571	536	110	612
Liquid-cooling apparatus.....	W. W. Phares.....	761,608	May 31	5081	1285	110	1399
Liquid-cooling apparatus.....	A. Siebert.....	770,190	Sept. 13	1977	420	112	461
Liquid-cooling device.....	E. Burhorn.....	772,780	Oct. 18	3165	688	112	1679
Liquid delivering and measuring device.....	F. Christen.....	765,815	July 26	3859	822	111	879
Liquid-directing device.....	W. H. Brown and J. E. Truckses.....	768,875	Aug. 30	5630	1182	111	2364
Liquid-dispensing apparatus.....	V. S. Taylor.....	755,723	Mar. 29	4894	1060	109	1134
Liquid-dispensing apparatus.....	C. A. Gildemeyer.....	757,611	Apr. 19	2819	615	109	1971
Liquid-dispensing apparatus.....	W. B. Cochrane.....	757,886	Apr. 19	3343	723	109	2090
Liquid-dispensing apparatus.....	F. G. Kammerer.....	774,986	Nov. 15	2853	609	113	675
Liquid-dispensing apparatus. Coin-controlled.....	A. F. Bradshaw.....	768,509	Aug. 23	4852	1017	111	2175
Liquid-dispensing vessel.....	L. G. Langstaff.....	777,425	Dec. 13	1878	414	113	1858
Liquid-distributor.....	W. Peterson.....	756,695	Apr. 5	957	210	109	1547
Liquid-distributing apparatus.....	F. L. Emerson.....	774,746	Nov. 15	2261	511	113	562
Liquid-distributing system.....	R. B. Williams, Jr., and E. B. Whitman.....	754,730	Mar. 15	3045	663	109	699
Liquid-distributing system.....	R. B. Williams, Jr., and E. B. Whitman.....	754,953	Mar. 15	3467	759	109	793
Liquid-drawing apparatus.....	W. A. F. McCallum.....	759,827	May 10	2514	525	110	583
Liquid-elevator. Pneumatic.....	J. M. Doehrer.....	770,271	Sept. 20	2162	450	112	523
Liquid-fuel burner.....	E. Hastain.....	776,907	Dec. 6	890	192	113	1623
Liquid-fuel burner.....	D. H. Mosteller.....	751,092	Feb. 2	568	132	108	1188
Liquid-fuel burner.....	A. E. Johnstone.....	760,886	May 17	3592	758	110	841
Liquid-fuel burner.....	S. Wood.....	762,213	June 7	1230	265	110	1707
Liquid-fuel burner.....	H. A. Frantz.....	766,519	Aug. 9	1432	300	111	1379
Liquid-fuel burner.....	P. Davies, B. Woodcock, and E. Oddy.....	771,769	Oct. 4	1076	241	112	1189
Liquid-fuel distributor.....	J. E. Raff.....	767,567	Aug. 16	2972	622	111	1737
Liquid-fuels to motive-power apparatus. Thermodynamic process of applying.....	P. K. Stern.....	769,029	Aug. 30	5944	1245	111	2496
Liquid-gage. Safety.....	C. A. Harvey.....	766,996	Aug. 9	1784	374	111	1457
Liquid heating or cooling apparatus.....	G. Braselmann and F. Lünemann.....	758,045	Apr. 26	3671	795	109	2183
Liquid heating or sterilizing apparatus.....	J. Willmann.....	756,310	Apr. 5	238	48	109	1394
Liquid-level indicator.....	C. A. Tripp.....	771,447	Oct. 4	450	102	112	1023
Liquid-meter.....	A. S. Drisko and R. Berrenberg.....	748,707	Jan. 5	294	67	108	65
Liquid-meter.....	R. Lohse.....	769,251	Sept. 6	431	97	112	95
Liquid mixing and spraying apparatus.....	H. H. Millsbaugh.....	748,971	Jan. 5	829	175	108	193
Liquid or viscous substances. Machine for applying.....	M. M. Nicholls.....	767,422	Aug. 16	2605	549	111	1653
Liquid-purifying apparatus.....	O. Kartzmark.....	751,986	Feb. 9	2280	510	108	1564
Liquid-receptacle.....	W. N. Sheaff.....	761,548	May 31	5884	1261	110	1376
Liquid-receptacle.....	W. M. Fulton.....	762,299	June 14	1327	284	110	1748
Liquid-receptacle indicator.....	M. Bray.....	762,575	June 14	1901	409	110	1869
Liquid-receptacle indicator.....	M. Bray.....	763,716	June 28	4157	906	110	2402
Liquid-receptacle. Multiple.....	A. L. Pepin.....	774,103	Nov. 1	1131	241	113	256

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Liquid-separator bowls. Means for yieldingly supporting centrifugal.	F. Jebsen	766,261	Aug. 2	251	48, 49	111	1095
Liquid-separator. Centrifugal.	J. A. Dahlqvist	752,284	Feb. 16	2826	627	108	1706
Liquid-separator. Centrifugal.	T. H. Springer	754,909	Mar. 15	3372	737	106	771
Liquid-separator. Centrifugal.	T. H. Springer	759,136	May 3	1078	219	110	245
Liquid-separator. Centrifugal.	B. A. O. Prolius	767,356	Aug. 16	3657	772	111	1885
Liquid-separator. Centrifugal.	J. A. Dahlqvist and C. L. Holm	770,679	Sept. 20	2940	624	112	697
Liquid-separator. Centrifugal.	J. H. F. Dierks and C. J. Möllmann	778,406	Dec. 27	3870	843	113	2310
Liquid-separator liner. Centrifugal.	C. H. Hackett	767,519	Aug. 16	2813	588	111	1700
Liquid-separator liner. Centrifugal.	N. W. Gales	770,748	Sept. 27	3061	650	112	740
Liquid-supply system	X. Caverno	776,724	Dec. 6	513	113	113	1540
Liquid-tanks. Automatic device for discharging.	J. W. Alvord	764,699	July 12	1651	337	111	376
Liquid-trap. Non-siphoning	J. J. Tokheim	749,503	Jan. 12	1973	410	108	462
Liquids and mixing same therewith. Apparatus for distributing powdered material to	S. A. Smith	773,818	Nov. 1	533	117	113	123
Liquids. Apparatus for automatically controlling the flow of	A. Priestman	749,825	Jan. 19	2599	555	108	616
Liquids. Apparatus for filling casks or like vessels with	A. B. von Echt	766,433	Aug. 2	574	122	111	1165
Liquids. Apparatus for heating or sterilizing.	J. Willmann	777,826	Dec. 20	2688	591	113	2046
Liquids by continuous decantation. Apparatus for removing suspended matter from	T. R. Wollaston	751,038	Feb. 2	472	111	108	1162
Liquids. Filling-tube for	A. Schneider	762,442	June 14	1610	351	110	1807
Liquids from solids. Apparatus for separating	G. M. Rice	751,810	Feb. 9	1908	432	108	1483
Liquids. Heating	A. Waldbaur	775,788	Nov. 22	4508	968	113	1082
Liquids in tanks. Apparatus for circulating	G. E. Dunton	758,430	Apr. 26	4440	954	109	2351
Liquids in tanks. Apparatus for circulating	G. E. Dunton	758,513	Apr. 26	4597	988	109	2388
Liquids. Means for storing	R. Jardine	758,078	Apr. 26	3740	812	109	2195
Liquids. Mechanism for regulating the admission of air to	F. Brogniez	765,549	July 19	3305	693 694 695 696 697	111	750
Liquids. Mechanism or apparatus for raising or conveying viscous	W. E. Pedley	769,014	Aug. 30	5912	1239	111	2429
Liquids organically contaminated. Apparatus for testing	W. D. Scott-Moncrieff	765,794	July 26	3821	814	111	870
Liquids. Stopping device for sparking	J. Roger	749,749	Jan. 19	2461	524	108	586
Liquors. Clarifying	E. K. Hewitt	748,963	Jan. 5	591	108	133	
Liquors. Device for the purification of waste	H. Riensch	773,598	Nov. 1	114	23	113	31
Lister	C. R. Davis	757,997	Apr. 19	3555	770	109	2137
Lister and grader	S. Mower	772,366	Oct. 18	2344	514	112	1502
Lister attachment	J. A. Herron	754,449	Mar. 15	2490	545	109	579
Lister. Double	I. J. Kaar	760,872	May 24	4562	972	110	1070
Lister. Three-wheeled riding	D. M. Fry	760,442	May 24	3685	780	110	879
Lithographic plates for the reception of designs.	H. L. B. Toobe	773,904	Nov. 1	740	113	170	
Preparing lithographic stones and making same. Substitute for	G. Bower and F. W. Gauntlett	773,368	Oct. 25	4499	952	112	1997
Load-binder.	H. A. Patterson	776,541	Dec. 6	146	33	113	1457
Load-brake apparatus.	W. V. Turner and R. H. Blackall	762,962	June 21	2685	582	110	2060
Load-retaining stakes. Position-governing means for	W. M. Cain	748,698	Jan. 5	280	64	108	62
Load-retaining stakes. Position-governing means for	W. M. Cain	748,699	Jan. 5	283	64	108	63
Load-retaining stakes. Supporting and releasing means for	D. McLaughlin	763,314	June 21	3348	726	110	2207
Loader and trimmer. Combined	J. J. Lamb and J. M. Adams	750,865	Feb. 2	157	37	108	1092
Loader. Automatic cage	W. H. Davis and J. M. Wood	774,047	Nov. 1	1025	219	113	231
Loading and unloading apparatus	A. R. Holmen	763,182	June 21	3106	668 669 670	110	2154
Loading and unloading apparatus for building levees, &c.	C. H. Parker	768,682	Aug. 30	5242	1103 1104	111	2276
Loading apparatus	E. T. Maxwell	754,586	Mar. 15	2759	601	109	636
Loading apparatus	F. C. Jacoby	769,346	Sept. 6	419	95	112	92
Loading apparatus for tramways	H. M. Sackett	757,777	Apr. 19	3151	685	109	2050
Loading apparatus. Motor-vehicle	G. H. Condict	772,030	Oct. 11	1640	367 368	112	1325
Loading apparatus. Wagon	F. L. Doty	767,550	Aug. 16	2881	602	111	1717
Loading device	A. E. Merkel	750,382	Jan. 20	3644	791	108	552
Loading device	J. P. Foster	766,029	July 26	4291	911	111	966
Loading device	E. B. Nelson	778,699	Dec. 27	4412	966	113	2429
Loading device. Automatic	H. C. Williams	767,192	Aug. 9	2181	455	111	1542
Loading device. Automatic	T. M. Park	767,432	Aug. 16	2630	553 554	111	1659
Loading-machine	A. J. Doss	757,384	Apr. 12	2120	463 464 465 466 467	109	1811
Loading-machine	W. E. Hamilton	765,832	July 26	3833	828 829 830	111	884
Loading-machine	A. J. Doss	775,210	Nov. 15	3315	708 709	113	781
Loading or unloading apparatus	H. J. Killian	761,770	June 7	299	60	110	1504
Loading or unloading apparatus	J. Randall	766,521	Aug. 2	769	163	111	1269
Loading or unloading apparatus. Inclined guide for	G. A. Long	767,297	Aug. 9	2367	495	111	1583
Loading or unloading apparatus sling	O. W. Blodgett	762,875	June 21	2524	547	110	2024
Loading or unloading device	J. M. Duncan	762,517	June 14	1769	378 379	110	1842

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Voi.	Page.
Lock:							
See							
Accordion-lock.	Nut-lock.						
Alarm-lock.	Nut and bolt lock.						
Bag-lock.	Oar-lock.						
Bicycle-lock.	Padlock.						
Blind-lock.	Pin-lock.						
Bolt and nut lock.	Pin-tumbler lock.						
Bung-lock.	Pocket-lock.						
Car-lock.	Puzzle-lock.						
Car-door lock.	Quoin-lock.						
Check-lock.	Rail-lock.						
Combination-lock.	Rail-joint lock.						
Desk-lock.	Railway-spike lock.						
Door-lock.	Railway switch-lock.						
Door or window lock.	Railway-switch safety-lock.						
Door stop-lock.	Registering-lock.						
Electric lock.	Safety-lock.						
Elevator-lock.	Sash-lock.						
Elevator automatic door-lock.	Scuttle-cover lock.						
Elevator-door lock.	Seal-lock.						
Elevator-shaft safety-lock.	Sewing-machine-stand drawer-lock.						
Fence-lock.	Shaft-lock.						
Furniture-lock.	Soap-lock.						
Gas-fixture safety-lock.	Switch-lever lock.						
Gear-lock.	Table-lock.						
Gravity-lock.	Tiller-lock.						
Hasp-lock.	Time-lock.						
Jar-lock.	Trunk-lock.						
Loom shuttle-lock.	Umbrella-lock.						
Milk-receptacle lock.	Window-lock.						
Mirror-lock.	Window ventilating-lock.						
Lock	E. Mühlhanshaus	748,772	Jan. 5	402	92	108	90
Lock	C. E. Johnson	750,285	Jan. 26	3464	749 750	108	821
Lock	P. Stein	752,000	Feb. 9	2314	517	108	1572
Lock	E. F. Gillon	752,063	Feb. 16	2404	586	108	1610
Lock	C. Faust	752,148	Feb. 16	2560	569	108	1645
Lock	P. La Belle	752,624	Feb. 16	3493	778	108	1852
Lock	H. Bryda	753,667	Mar. 1	867	196	109	188
Lock	C. E. Long and J. C. Irvine	754,226	Mar. 8	1997	444	109	456
Lock	G. W. Caswell	754,280	Mar. 8	2087	463	109	474
Lock	H. G. Voight	755,195	Mar. 22	3894	859	109	901
Lock	J. B. Miller	755,907	Mar. 29	5267	1163	109	1219
Lock	J. B. Miller	755,908	Mar. 29	5269	1163	109	1219
Lock	J. B. Miller	755,909	Mar. 29	5272	1164	109	1220
Lock	G. von Péchy	756,276	Apr. 5	167	34	109	1379
Lock	P. Tropp	756,434	Apr. 5	489	1102 1103	109	1447
Lock	P. Tropp	756,435	Apr. 5	491	103	109	1447
Lock	J. D. Edmonds	756,839	Apr. 12	1247	278	109	1626
Lock	W. E. Metzels	756,874	Apr. 12	1314	293	109	1639
Lock	J. S. Campbell.	757,265	Apr. 12	2083	455	109	1803
Lock	S. Wisniewski	757,588	Apr. 19	2770	606	109	1906
Lock	L. A. Frank	757,733	Apr. 19	3050	695	109	2027
Lock	J. Szucs	758,394	Apr. 26	4357	987	109	2332
Lock	V. B. Kerr	758,452	Apr. 26	4477	992	109	2360
Lock	A. Meyers	758,676	May 3	141	30	110	34
Lock	S. W. Peregrine	758,849	May 3	529	108	110	126
Lock	F. M. Galentin	759,432	May 10	1745	353	110	415
Lock	F. S. Aliano	760,599	May 24	3989	848	110	948
Lock	B. Borghese	761,753	June 7	233	50	110	1494
Lock	J. Lyon	761,843	June 7	464	94.95	110	1543
Lock	H. Hartman	762,051	June 7	845	173	110	1620
Lock	N. C. Gregory	762,582	June 14	1911	412	110	1871
Lock	W. E. and O. F. Sparks	764,014	July 5	192	34.35	111	47
Lock	A. F. Mayer	764,249	July 5	686	139	111	152
Lock	F. M. Thompson	766,472	Aug. 2	657	141 142	111	1183
Lock	W. J. Carroll	766,665	Aug. 2	1073	224	111	1290
Lock	K. Muchowicz	767,004	Aug. 9	1796	377	111	1460
Lock	H. Landsberg	767,067	Aug. 9	1920	402	111	1488
Lock	E. L. Kraus	767,292	Aug. 9	2359	493	111	1581
Lock	B. Phelps	769,768	Sept. 13	1198	1256 1259	112	288
Lock	B. Phelps	769,769	Sept. 13	1202	259	112	289
Lock	N. D. Wells	770,408	Sept. 30	2417	510	112	581
Lock	W. A. Grant	771,305	Oct. 4	165	37	112	997
Lock	J. W. Stephens	771,584	Oct. 4	719	159	112	1112
Lock	J. Oleschak	772,112	Oct. 11	1808	401	112	1362
Lock	G. W. Winckfield.	772,487	Oct. 18	2566	571	112	1537
Lock	A. Grossbeck	773,319	Oct. 25	4390	929	112	1974
Lock	H. Birkedal.	774,823	Nov. 15	2515	542	113	596
Lock	B. Phelps	774,970	Nov. 15	2803	601	113	662
Lock	D. R. Reece	777,141	Dec. 13	1350	298	113	1742
Lock	H. Altrutz and E. Werner	777,271	Dec. 13	1578	352	113	1792
Lock	J. H. Dieringer	777,885	Dec. 20	2827	621	113	2074
Lock	W. R. Tabb	778,284	Dec. 27	3616	790	113	2256
Lock	F. Uhri	778,469	Dec. 27	4000	870	113	2338
Lock and latch.	N. W. Crandall	782,205	Feb. 16	2662	590	108	1669

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &c.	Vol.	Page.
Lock and latch	H. G. Voight	757,589	Apr. 19	2641	578	100	1985
Lock and latch	A. M. Carrier	759,591	May 10	2046	418	110	481
Lock and latch. Combined	B. Schacht	750,707	Jan. 26	4253	923	108	989
Lock and latch. Combined	J. E. Young	753,783	Mar. 1	1100	250	109	288
Lock and latch. Combined	W. L. Frazer	769,213	Sept. 6	135	33	112	31
Lock and latch fittings	C. J. Caley	773,471	Oct. 25	4717	996	112	2043
Lock and latch keeper-plate	B. Phelps	769,770	Sept. 13	1206	260	112	290
Lock and rose	N. W. Randall	770,266	Sept. 20	2137	448	112	1764
Lock attachment. Cylinder	C. O. Noack	770,133	Feb. 13	1334	295	113	1739
Lock-bar pipe	M. Kronauer	773,945	Nov. 1	829	174	113	191
Lock-cover	I. Weisnek	760,830	May 24	4494	956	110	1065
Lock for levers in interlocking machines	J. P. Coleman	763,366	Dec. 28	3484	752	110	2259
Lock locking device. Permutation	F. Duesterwald	778,018	Dec. 20	3008	681	113	2127
Lock or latch compensating hub	H. G. Voight	765,909	July 26	4024	850	111	916
Lock strike-plate	C. J. Caley	749,818	Jan. 19	2385	550	108	613
Locking-bar pipe	C. H. Hoskins	768,898	June 28	4504	982	110	2476
Locking device	C. A. Wilson	773,957	Nov. 29	4914	1039	113	1175
Locking device. Drawer	A. G. Johnson	767,411	Aug. 16	2346	544	111	1649
Locking mechanism	N. B. Stone	768,941	May 8	725	145	110	170
Locking mechanism	F. H. Richards	766,791	Aug. 2	1340	284	111	1341
Locking mechanism. Coin-controlled	W. H. Scott	766,396	Aug. 2	505	108	111	1132
Locking mechanism. Coin-controlled	R. W. Goeb	772,799	Oct. 18	3197	696	113	1175
Locket	T. W. Foster	752,351	Feb. 16	2923	638	108	1029
Locket	A. Y. Cunningham	753,473	Mar. 1	470	110	109	102
Locket	P. H. Long	761,083	May 31	5023	1064	110	1187
Locket	H. D. Hough	766,020	Aug. 2	985	207	111	1260
Locket	W. H. Rice	767,836	Aug. 16	3430	721	111	1833
Locomotive	F. W. Moore	769,178	Sept. 6	81	20	112	19
Locomotive	F. Burger and H. M. Williams	776,494	Dec. 6	28	8	113	1430
Locomotive	E. D. Priest	777,805	Dec. 20	2643	582	113	2037
Locomotive	G. Thoret	778,732	Dec. 27	4456	975	113	2439
Locomotive alarm apparatus	H. G. Sedgwick	770,662	Sept. 20	2904	612	112	689
Locomotive-alarm. Automatic	C. D. King	771,926	Feb. 9	2133	482	108	1534
Locomotive and stationary engine. Convertible	M. H. Kelly and E. E. Plough	776,915	Dec. 6	904	195	113	1636
Locomotive ash-pan	J. S. Whisenhunt	753,974	Mar. 29	5397	1192	109	1248
Locomotive boiler	J. Wister	750,145	Jan. 19	3206	689	108	745
Locomotive-boiler	S. F. Prince, Jr.	754,497	Mar. 15	2597	564	109	603
Locomotive-boiler	J. M. McClellor	764,753	July 12	1757	359	111	400
Locomotive-boiler	J. Muhr	769,623	Sept. 6	923	360	112	209
Locomotive-boiler	J. M. McClellon	774,773	Nov. 15	2416	521	113	576
Locomotive-boiler	J. M. McClellon	775,115	Nov. 15	3118	661	113	736
Locomotive brake. Overhead electrically-driven	A. E. Brown	767,805	Aug. 16	3477	735	111	1846
Locomotive buffer-beam	J. F. Dunn	750,449	Jan. 26	3754	816	108	886
Locomotive-cab seat	R. W. Anderson	766,981	Aug. 9	1757	369	111	1451
Locomotive-cab-window cleaner	A. A. Douglass	762,899	June 21	2543	551	110	2029
Locomotive. Compressed-air	W. R. Pratt	774,778	Nov. 15	2425	523	113	578
Locomotive-crane	J. G. Fairbanks and G. L. Sauer	755,644	Mar. 29	4724	1051	109	1064
Locomotive cross-head	W. Mitterreiter	770,504	Sept. 20	2626	532	112	631
Locomotive. Electric	W. Dalton and F. J. Cole	755,460	Mar. 22	4382	971	109	1004
Locomotive. Electric	E. D. Priest	777,693	Dec. 20	2414	530	113	1989
Locomotive. Electrical	A. E. Brown	767,863	Aug. 16	3473	734	111	1845
Locomotive-engine	E. Field	753,057	Feb. 23	4358	970	108	2062
Locomotive-engine	F. J. Cole	773,713	Nov. 1	347	77	113	82
Locomotive-engine or motor-vehicle safety appliance	W. N. Whitely	751,234	Feb. 2	854	195	108	1239
Locomotive fire-door	G. S. Edmonds	757,545	Apr. 19	2682	587	109	1945
Locomotive for mine-haulage systems. Gathering	E. C. Morgan	772,734	Oct. 18	3075	672	112	1661
Locomotive-frame-pedestal tie	F. J. Cole	768,788	Aug. 30	5440	1145	111	2321
Locomotive-grate shaker	H. Swoyer	759,486	May 10	1847	372	110	433
Locomotive lighting system	E. T. Ford	759,511	May 10	1896	381	110	450
Locomotive or vehicle. Turbine-driven	J. W. Wilson	768,714	Aug. 30	5309	1116	111	2291
Locomotive safety apparatus	J. Barberie	752,815	Feb. 23	3858	865	108	1950
Locomotive safety apparatus	J. Barberie	772,393	Oct. 18	2393	526	112	1513
Locomotive safety apparatus	J. Barberie	772,394	Oct. 18	2396	526	112	1515
Locomotive safety apparatus	J. Barberie	772,395	Oct. 18	2398	526	112	1515
Locomotive safety apparatus	T. J. Walsh	772,444	Oct. 18	2493	546	112	1536
Locomotive safety attachment	C. W. S. Turner	774,619	Nov. 8	2068	451	113	475
Locomotive safety device	H. Botermann	775,074	Nov. 15	3032	643	113	717
Locomotive-sand-box-filling apparatus	C. A. Barrett	767,779	Aug. 30	3119	632	111	1768
Locomotive-sander	G. W. Frazier	769,688	May 10	2230	460	110	520
Locomotive signaling apparatus	H. Stadelmann, Jr.	749,111	Jan. 5	1129	239	108	261
Locomotive-spring	J. W. Hart	751,850	Feb. 9	1992	451	108	1500
Locomotive system	T. G. Aultman and J. C. Gaskill	751,893	Feb. 9	2068	468	108	1519
Locomotive-tender	C. Vanderbilt	771,590	Oct. 4	733	163	112	1115
Locomotive-tender frame	T. E. Adams	772,328	Oct. 18	2261	495	112	1485
Locomotive-tender gate	W. R. and R. Pitt	766,380	Aug. 2	469	100	111	1144
Locomotive-tire gage	J. B. Quinn and F. H. Andes	778,411	Dec. 27	3880	845	113	2313
Locomotive track-sander	G. M. Schwend	752,598	Feb. 16	3429	764	108	1839
Locomotive turn-table	R. Fair and S. P. Davis	752,539	Feb. 16	3305	730	108	1812
Locomotive turn-table	W. S. Mullin	770,916	Sept. 27	3405	718	112	816
Locomotive. Water	F. Kirchbach	765,896	July 26	3999	854	111	910

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Locomotive water-glass shield	J. W. Mason and G. O. Whitney ..	763,300	June 21	3395	719 (120)	110	2301
Locomotive weed-destroying attachment	E. M. McCoy	753,608	Mar. 1	746	167	109	1602
Locomotives. Automatic safety apparatus for	C. F. Peel, Jr.	761,990	June 7	737	151	110	1000
Log-car standard	W. H. Klingensmith and F. W. Lane ..	750,659	Jan. 26	4153	901	108	967
Log-car standard	M. D. Liverman	770,974	Sept. 27	3520	742	112	844
Log-carriage cushion	H. G. Dittbenner	760,854	May 24	4534	966	110	1064
Log-carriage steam-feed strainer	F. S. Stevens	769,720	Sept. 1	1112	239	112	270
Log grab-hook	H. M. Rounds	761,407	May 31	5647	1202	110	1324
Log-hauler	G. W. Brower	776,169	Nov. 29	5330 (1126)	1137	113	1271
Log-loader	O. L. Raymond	768,402	Aug. 23	4633	973	111	2133
Log loader and turner	E. E. Thomas	775,983	Dec. 6	1012	216	113	1651
Log loading and skidding machine	M. Schmaltz	757,234	Apr. 12	2030	442	109	1793
Log-raft	A. Becker	773,625	Nov. 1	167	37	113	43
Log-turner	A. D. Shaver	776,949	Dec. 6	980	211	113	1643
Log-turner for low mills	E. E. Thomas	773,457	Oct. 25	4655	983	112	2031
Log-turner toothed bar	D. R. Edwards	759,085	May 10	2223	453	110	519
Log-turning mechanism	W. M. Wilkin	773,522	Dec. 27	4094	892	113	2359
Log-wagon bunk-block	J. B. Capshaw	763,559	Aug. 23	4938 (1037)	1038	111	2197
Logging-car chain-release	R. J. Thompson	760,275	May 17	3372	710	110	793
Logging device	G. Moore	751,322	Feb. 2	1028	233	108	1276
Logging-engine. Steam	G. Sipler	776,909	Dec. 6	696	154	113	1580
Logging-hook. Double	R. P. Aubrey	769,333	Sept. 6	392	91	112	85
Logging-sled draft mechanism	H. B. Frey	775,900	Nov. 22	4776 (1011)	1012	113	1126
Logging system. Cable	J. N. Hornblower	760,455	May 24	3711	785	110	886
Loom	A. Wolfensberger	749,890	Jan. 19	2715	580	108	642
Loom	J. L. Poalk	752,922	Feb. 23	4090	911	108	2003
Loom	H. W. Smith	755,715	Mar. 29	4864 (1081)	1082	109	1128
Loom	G. S. Cox	756,334	Apr. 5	280	58, 59	109	1303
Loom	J. C. Brooks	764,553	July 12	1348	274	111	312
Loom	J. W. Sha-key	760,975	Aug. 9	1744	366	111	1446
Loom	J. R. Piton	767,218	Aug. 9	2285	466	111	1554
Loom	C. F. Perham	773,537	Nov. 1	104	21	113	29
Loom	W. F. Draper	775,558	Nov. 22	4123	866 (1867)	113	986
Loom	J. H. Cobb	775,895	Nov. 22	4766	1010	113	1123
Loom	E. E. Draper	775,898	Nov. 22	4770	1011	113	1124
Loom and self-replenishing mechanism therefor	E. E. Shelters	770,828	Sept. 27	3245	684	112	732
Loom. Automatic	C. A. Brink and C. Christensen	758,895	May 3	637	126 (127)	110	151
Loom. Automatic filling-replenishing	G. O. Draper	761,520	May 31	6035	1265	110	1411
Loom. Automatic filling-replenishing	M. L. Stone	761,724	June 7	306	39	110	1484
Loom-beam friction let-off	W. I. Whitehurst	766,096	July 26	4374	938	111	991
Loom beating-up motion	H. A. Bond	754,192	Mar. 8	1915	426	109	438
Loom bobbin or filling carrier and feeder	J. E. Lemyre	765,088	July 12	2414	502	111	540
Loom box-motion	W. A. Fowler	777,196	Dec. 13	1442	318	113	1762
Loom box-motion mechanism	F. A. Meyers	774,488	Nov. 8	1824	395	113	424
Loom center-selvage-forming attachment	A. S. Cowan	776,300	Nov. 29	5566	1179	113	1324
Loom cut signal or indicator	W. Haynes	753,990	Mar. 8	1528	341	109	353
Loom-dobby	H. Schwarzenbach and G. Lier	763,432	June 28	3633	783	110	2291
Loom-dobby leno-motion	J. B. Bolton	757,085	Apr. 12	1736	378	109	1727
Loom-dobby leno-motion	C. B. Arnold and A. K. Pratt	764,223	July 5	646	131	111	144
Loom electrical warp stop-motion	H. I. Hartman	759,436	May 10	1748	354	110	416
Loom fabric-smoothing attachment	E. Goldsmith	765,237	July 19	2675	556	111	615
Loom filling-carrier. Automatic-feeler	C. H. Lund	764,006	July 12	1456	297	111	334
Loom filling-carrier. Feeler	O. E. Holdridge	760,627	May 24	4059	863	110	964
Loom filling-detecting means	J. Northrop	763,015	June 21	2774	601	110	2080
Loom filling-detecting means	A. E. Benson	769,679	Sept. 6	1036	223	112	237
Loom filling-detecting mechanism	E. Cuniff	749,364	Jan. 12	1669	355	108	400
Loom filling-end clearer	A. E. Benson	777,237	Dec. 13	1521	337	113	1780
Loom filling-end holder. Automatic	L. H. Brown	762,023	June 7	797	163	110	1611
Loom filling-feeder. Automatic	E. S. Stimpson	755,252	Apr. 22	3990	885	109	921
Loom filling-feeder. Automatic	E. S. Wood	759,146	Mar. 3	1094	223	110	219
Loom filling-feeder. Filling-replenishing	E. S. Stimpson	769,573	Sept. 6	841	180	112	190
Loom filling-feeder mechanism. Automatic	J. C. Edwards	758,034	Feb. 23	4351	968	108	2061
Loom filling-feeder. Self-replenishing	W. Oldfield	767,427	Aug. 16	2615	511	111	1655
Loom filling-fork	E. S. Stimpson	754,023	Mar. 8	1608	358	109	370
Loom. Filling-replenishing	E. S. Stimpson	753,012	Feb. 23	4269	951	108	2042
Loom. Filling-replenishing	E. S. Stimpson	754,024	Mar. 8	1608	359	109	371
Loom. Filling-replenishing	M. L. Stone	759,325	May 10	1524	307	110	367
Loom. Filling-replenishing	A. E. Benson	759,854	May 17	2568	536	110	611
Loom. Filling-replenishing	E. S. Wood	760,709	May 24	4365	928	110	1028
Loom. Filling-replenishing	W. I. Stimpson	763,441	June 28	3947	736	110	2294
Loom. Filling-replenishing	A. M. Marcoux	766,151	July 26	4511	965	111	1020
Loom filling-replenishing mechanism	B. Crossley	777,276	Dec. 13	1587	353	113	1794
Loom for cross-weaving	B. J. Dobbins	769,210	Sept. 6	131	32	112	29
	R. Bates	773,704	Nov. 1	827	71, 72	113	78
Loom for the manufacture of oriental carpets	F. Boyer and G. Baum	763,250	June 21	3332	697 (696)	110	2182
Loom for tufted or pile fabrics	C. Vorwerk	769,851	Sept. 13	1369	293	112	328
Loom for weaving bordered fabrics	J. H. Cunliffe and J. Law	751,384	Feb. 2	1128	256	108	1298
Loom for weaving carpets	J. W. and S. S. Tiltonson and A. Stubbs	776,208	Nov. 29	5398	1144 (1145)	113	2385
Loom for weaving cartridge-belt fabrics	W. C. Fisher	757,102	Apr. 12	1772	385	109	1736

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & M.	Vol.	Page.
Loom for weaving double-faced silk ribbons.	F. G. Hettling	761,483	May 31	3768	1231	110	1352
Loom for weaving figured goods.	A. Barbier, C. Charmetant, and J. Grassy.	750,015	Jan. 19	2969	635	108	696
Loom for weaving looped or pile fabrics.	J. R. Dennis and J. H. Farthrop.	769,662	Aug. 30	6006	1258	111	2448
Loom for weaving ornamental fabrics.	W. G. Hartley	762,525	June 14	1798	386	110	1848
Loom for weaving pile fabric.	W. G. Hartley	762,526	June 14	1801	387	110	1849
Loom for weaving pile fabric.	W. G. Hartley	762,527	June 14	1803	387	110	1849
Loom for weaving pile fabric.	W. G. Hartley	762,528	June 14	1806	387	110	1850
Loom for weaving pile fabric.	W. G. Hartley	775,970	Nov. 29	4953	1045	113	1183
Loom for weaving pile fabric.	W. G. Hartley	778,363	Dec. 27	3784	836	113	2291
Loom for weaving pile fabrics.	W. G. Hartley	768,223	Aug. 23	4277	899	111	2043
Loom for weaving pile fabrics.	W. G. Hartley	768,224	Aug. 23	4280	900	111	2044
Loom for weaving pile fabrics.	A. Heald	775,218	Nov. 15	3349	714	113	787
Loom for weaving slat blinds.	A. C. Hough	764,290	July 5	762	156	111	168
Loom for weaving terry fabrics.	J. H. Margerison	760,689	Sept. 20	2956	628	112	701
Loom for weaving velvet.	W. G. Hartley	768,222	Aug. 23	4276	308	111	2043
Loom friction let-off mechanism.	J. T. Meats	753,899	Mar. 8	1367	309	109	315
Loom friction let-off mechanism.	T. Hudson and J. A. Duncan.	778,668	Dec. 27	4368	954	113	2419
Loom. Haircloth.	J. B. Gray	755,571	Mar. 22	4568	1016	109	1045
Loom. Hammock.	H. E. Ruddy	762,493	June 14	1723	370	110	1832
Loom. Hand.	S. H. Woodbury	763,828	June 28	4378	952	110	2449
Loom-harness.	P. A. Wagner	771,342	Oct. 4	237	53	112	1011
Loom-harness evener.	E. H. Ryon	772,180	Oct. 11	1953	431	112	1391
Loom harness mechanism.	P. C. Schwemmer and N. M. Shinn.	760,024	May 17	2890	605	110	685
Loom harness mechanism.	C. E. Nutting	763,418	June 28	3611	777	110	2285
Loom harness mechanism.	V. A. Ledoux	770,760	Sept. 27	3089	655	112	746
Loom harness-motion.	C. F. Roper	770,116	Sept. 13	1841	390	112	432
Loom harness-operating mechanism.	C. F. Perham	768,143	Aug. 23	4122	867	111	2010
Loom head-motion.	R. Crompton	770,167	Sept. 13	1981	412	112	432
Loom head-wire. Carpet.	J. Cocker	774,909	Nov. 15	3698	578	113	687
Loom-heddle.	J. Grob	770,282	Sept. 20	2187	456	112	528
Loom-heddle.	M. B. Griffin	772,800	Oct. 18	3200	696	112	687
Loom-heddle-movement. Hand-operated.	A. S. Horlacher	756,235	Apr. 5	84	18, 19	109	1360
Loom-heddles. Separating means for metallic.	C. S. Howard	761,677	June 7	110	19	110	1463
Loom jacquard apparatus.	C. M. Edouard and C. Sorlin	732,830	Feb. 23	3888	872	108	1956
Loom jacquard apparatus.	W. W. Hodgson	767,942	Aug. 16	3629	708	111	1759
Loom jacquard-machine.	G. H. Brown, W. R. McMurray, and M. C. Andrews.	770,258	Sept. 20	2115	446	112	510
Loom jacquard mechanism.	G. W. Kuenneth	751,927	Feb. 9	2139	482	108	1534
Loom jacquard mechanism.	L. Coin	755,457	Mar. 22	4375	970	109	1003
Loom jacquard mechanism.	J. Wadsworth and C. Schrier.	769,283	Sept. 6	291	68	112	63
Loom. Lappet.	J. C. Brooks	775,893	Nov. 22	4762	1009	113	1132
Loom-lay bearing-support.	J. McFethries	760,487	Sept. 6	695	149	112	159
Loom-lay downhold.	E. S. Wood	775,881	Nov. 22	4745	1006	113	1119
Loom-lay-motion.	A. S. Cowan	763,088	June 21	3222	630	110	2112
Loom let-off.	T. Brindle and M. O. Steere	755,104	Mar. 22	3723	818	109	866
Loom let-off.	A. R. Gossett and B. R. Hicks	767,937	Aug. 16	3621	766	111	1876
Loom let-off and take-up mechanism.	W. F. Kintzing	772,890	Oct. 18	3368	732	112	1735
Loom let-off mechanism.	J. T. Meats	775,336	Nov. 22	3616	757	113	874
Loom let-off motion. Automatic.	J. A. Jansson	755,011	Mar. 22	3567	782	109	831
Loom lug-strap connection.	J. Thompson	751,819	Feb. 9	1928	437	108	1486
Loom lug-strap holder.	W. Donner	760,972	May 24	4762	1013	110	1113
Loom lug-strap holder.	M. L. Stone	778,468	Dec. 27	3994	869	113	2337
Loom-motion. Jumper or half-and-return.	W. A. Hilton	770,067	Sept. 13	1738	370	112	413
Loom. Narrow-ware.	F. Benz, Jr.	763,247	June 21	3228	695	110	2181
Loom-picker.	E. Goldsmith	751,497	Feb. 9	1315	301	108	1357
Loom-picker.	B. L. Bailey	761,622	May 31	6024	1293	110	1409
Loom-picker.	F. A. Wardwell	776,972	Dec. 6	1024	445	113	1564
Loom picker-check.	E. M. Peckham	753,515	Mar. 1	569	130	109	124
Loom picker-check.	R. Jamieson	760,994	May 24	4798	1021	110	1120
Loom picker-checking means.	E. S. Stimpson	769,669	Sept. 6	1000	217	112	228
Loom picker mechanism.	G. Jolicœur	757,043	Apr. 12	1669	361	109	1714
Loom picker-motion.	D. D. Miller	757,828	Apr. 19	3239	703	109	2068
Loom picker-motion check.	C. O. Huntoon	776,399	Nov. 29	5757	1219	113	1368
Loom picker-stick check.	W. E. Sartwell	732,110	Feb. 16	2486	555	108	1628
Loom picker-stick lug-strap.	L. Pilling	756,048	Mar. 29	5528	1219	109	1275
Loom picker-stick motion.	G. Boisvert	775,890	Nov. 22	4757	1008	113	1121
Loom picker-stick motion.	C. H. Draper	776,584	Dec. 6	225	52	113	1481
Loom picking mechanism.	G. M. Foster	772,506	Oct. 18	2630	578	112	1564
Loom pile-wire.	H. Hardwick	763,181	June 21	3105	668	110	2134
Loom pile-wire motion.	H. K. Martin	749,443	Jan. 12	1845	384	108	434
Loom pile-wire motion.	R. Beattie and A. McKendrick	776,875	Nov. 29	5711	1208	113	1338
Loom pile-wire sharpener.	W. Tunstall	761,052	May 24	4947	1049	110	1151
Loom power-shipping and brake mechanism.	A. R. Patten	753,807	Mar. 1	1174	264	109	252
Loom-reed.	A. Sauer	759,317	May 10	1508	303	110	394
Loom. School.	B. E. Lindberg	764,479	July 5	1161	237	111	256
Loom selva-forming attachment.	E. G. Roder	754,240	Mar. 8	3021	449	109	461
Loom selva-forming mechanism.	C. F. Roper	769,921	Sept. 13	1490	318	112	354
Loom shed-forming mechanism.	W. Wattie	752,316	Feb. 16	2891	644	108	1721

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Loom shed-forming mechanism	H. F. Klinge	763,789	July 26	3696	788	111	645
Loom shed-forming mechanism	R. Crompton and A. J. O'Reilly	770,495	Sept. 20	2590	549	112	619
Loom shedding apparatus	N. and J. Chaize	754,846	Mar. 15	3271	713	109	748
Loom shedding mechanism	B. F. McGuiness	752,352	Feb. 16	2954	657 658	108	1535
Loom shedding mechanism	A. R. Patten	758,808	Mar. 1	1175	364	109	253
Loom shedding mechanism	O. L. Owen	757,141	Apr. 12	1856	406	109	1735
Loom shedding mechanism	R. G. Pratt	758,932	May 3	704	141	110	165
Loom shedding mechanism	F. S. Berry	763,086	June 21	2918	629	110	2111
Loom shedding mechanism	C. F. Perham	768,144	Aug. 23	4123	807	111	2010
Loom shedding mechanism	R. Crompton	770,108	Sept. 13	1332	413	112	453
Loom shedding mechanism	R. Crompton	775,076	Nov. 15	3036	644	113	718
Loom-shuttle	A. Baldwin	749,353	Jan. 12	1643	350	108	395
Loom-shuttle	C. B. Webster	753,337	Mar. 1	219	49	109	50
Loom-shuttle	H. Côté	753,957	Mar. 8	1492	334	109	315
Loom-shuttle	B. and P. Grosslaub	756,164	Mar. 29	5734	1267	109	1320
Loom-shuttle	C. E. Sackett	758,783	May 3	406	81, 82	110	100
Loom-shuttle	A. R. Heritage	759,440	May 10	1756	355	110	417
Loom-shuttle	A. Isherwood	762,905	June 21	2572	559	110	2084
Loom-shuttle	J. C. Brooks	767,379	Aug. 16	2532	291	111	1634
Loom-shuttle	M. O. Steere and S. W. Wardwell	769,845	Sept. 13	1360	291	112	327
Loom-shuttle	H. A. Kennedy	774,944	Nov. 15	2767	593	113	653
Loom-shuttle	J. T. Gregory and J. Brown	775,420	Nov. 22	3812	806	113	919
Loom shuttle and quill. Narrow-ware	E. H. Sawyer	748,887	Jan. 5	632	142	108	141
Loom-shuttle automatic threading device	R. W. Cumpack (Reissue)	712,292	July 26	324	110	112	2125
Loom-shuttle. Automatically self-threading	W. V. Sherry	753,214	Feb. 23	4648	1035	108	2127
Loom shuttle-box	C. E. Sackett	758,784	May 3	409	82	110	100
Loom shuttle-box	A. E. A. and G. Walker	761,617	May 31	6017	1291	110	1407
Loom shuttle-box	A. Heaton	768,900	Aug. 30	5680	1193 1194	111	2576
Loom shuttle-box-control mechanism	C. and W. W. Peck	770,441	Sept. 20	2472	524	112	591
Loom shuttle-box motion	E. Hollingworth	752,973	Feb. 23	4204	936	108	2028
Loom shuttle-box motion	A. A. Gordon, Jr.	764,888	July 12	2028	418	111	460
Loom shuttle-changing mechanism	G. Schwabe	765,711	July 26	3625	772	111	833
Loom shuttle-check	W. Simms	760,929	May 24	4677	996	110	1094
Loom shuttle-check	B. F. McGuiness	768,107	June 21	2952	636	110	2118
Loom shuttle-check	F. Ott	773,308	Nov. 22	3563	751	113	861
Loom shuttle-checking means	F. J. Roper	761,999	June 7	756	154	110	1603
Loom shuttle-checking means	I. Sals	775,152	June 21	2979	648	111	2125
Loom shuttle-checking means	H. Wilkinson	766,478	Aug. 2	691	145	111	1191
Loom shuttle-checking means	J. Northrop	769,179	Sept. 6	82	21	112	19
Loom shuttle-checking means	J. Northrop	772,048	Oct. 11	1679	375	112	1333
Loom shuttle-checking means	J. C. Edwards	778,646	Dec. 27	4335	948	113	2413
Loom-shuttle filling-carrier	W. I. Stimpson	764,314	July 5	629	128	111	140
Loom shuttle-lock	F. A. Mills	755,910	Mar. 29	5275	1164	109	1220
Loom shuttle-lock	F. A. Mills	755,911	Mar. 29	5278	1165	109	1221
Loom shuttle-lock	F. A. Mills	759,086	Mar. 29	5513	1216	109	1271
Loom shuttle-locking means	J. Northrop	761,986	June 7	732	149	110	1590
Loom shuttle-locking means	M. L. Stone	775,688	Nov. 22	4719	999	113	1113
Loom shuttle-motion	M. O. Steere and S. W. Wardwell	766,776	Aug. 2	1314	279	111	1333
Loom shuttle-motion	W. F. Kintzing	773,396	Oct. 25	4561	964	112	2012
Loom shuttle-motion	H. S. Furninger	774,010	Oct. 25	3472	781	112	1765
Loom-shuttle. Self-threading	W. C. Trombly	751,123	Feb. 2	630	144	108	1192
Loom-shuttle. Self-threading	J. H. Northrop	762,247	June 7	1198	258	110	1700
Loom-shuttle. Self-threading	C. W. Frost	768,218	Aug. 23	4264	896	111	2040
Loom-shuttle. Self-threading	J. Northrop	769,914	Sept. 13	1475	316	112	350
Loom-shuttle. Weaving	A. Abegg	771,112	Sept. 27	3797	801	112	904
Loom smash-protector	J. H. Hadfield	762,236	June 7	1181	252	110	1696
Loom split-shed mechanism	H. P. Witz	774,225	Nov. 8	1342	286	113	320
Loom stop-motion	J. M. Grey	763,556	June 28	3844	834	110	2335
Loom stop-motion	E. H. Farrar and J. Regan	770,467	Sept. 20	2521	537	112	602
Loom stop-motion	M. O. Steere	774,285	Nov. 8	1434	312	113	344
Loom stop-motion	G. Goodline	777,089	Dec. 13	1253	276	113	1722
Loom-stopping device	T. Howard	778,453	Dec. 27	3963	862	113	2330
Loom. Swivel	J. H. Farrar	751,725	Feb. 9	1736	364	108	1444
Loom. Swivel	C. Schoen	753,551	Mar. 1	578	132	109	126
Loom. Swivel	E. H. Ryon	753,741	Mar. 1	1007	229	109	217
Loom take-up mechanism	E. D. Roy	764,771	July 12	1794	367	111	409
Loom take-up mechanism	G. E. Anderson	769,580	Sept. 6	351	133	112	193
Loom take-up mechanism	W. S. Southwick	778,612	Dec. 27	4264	930	113	2394
Loom take-up mechanism. Narrow-ware	E. H. Ryon	760,761	May 24	4351	924	110	1025
Loom take-up stop-motion	A. M. Marcoux	762,426	June 14	1578	345	110	1801
Loom tape-winder. Tape	P. Hesse	774,323	Nov. 8	1529	327	113	361
Loom-temple	C. F. Thompson	752,606	Feb. 23	3453	772	108	1545
Loom-temple	R. P. Pearson	760,645	May 24	4093	870	110	971
Loom-temple	E. Guilbert	761,222	May 31	5275	1121	110	1241
Loom-temple	J. F. Carberry	763,462	June 28	3681	793	110	2302
Loom-temple	P. Macpherson	763,619	June 28	3949	859	110	2357
Loom-temple	A. E. Benson	774,374	Nov. 8	1613	346	113	380
Loom-temple	A. Meunier	775,775	Nov. 22	4541	964	113	1077
Loom-temple. Thread-cutting	A. A. Hull	766,501	Aug. 2	735	153	111	1201
Loom thread-cutting temple	E. S. Stimpson	765,687	July 26	3584	760	111	825
Loom tilting reel mechanism	J. S. Anier	770,454	Sept. 20	2490	530	112	597
Loom underpick motion	E. S. Anier and E. Hollingworth	765,690	July 26	3585	761	111	827
Loom warp-beam	A. J. O'Reilly	776,082	Nov. 29	5161	1090	113	1231
Loom warp-crossing mechanism	N. M. Shinn	761,416	May 31	5660	1204	110	1327
Loom warp-puller	A. Petersen	763,628	June 28	3967	864	110	2361

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Loom warp stop-motion	W. Oldfield	750,300	Jan. 26	3492	755	108	827
Loom warp stop-motion	C. H. Draper	754,290	Mar. 8	2104	467	109	477
Loom warp stop-motion	C. H. Warren	758,442	Apr. 5	510	105	109	1451
Loom warp stop-motion	O. Reinhardt	759,309	May 10	1496	300	110	362
Loom warp stop-motion	H. Wyman	762,569	June 14	1894	408	110	1868
Loom warp stop-motion	A. K. Pratt	764,899	July 12	2066	427	111	468
Loom warp stop-motion	P. V. Labonté and I. Guertin	765,495	July 19	3211	671	111	730
Loom warp stop-motion	J. Chaine	768,651	Aug. 30	5175	1088	111	2263
Loom warp stop-motion	V. A. Ledoux	769,174	Sept. 6	72	18	112	17
Loom warp stop-motion	J. H. Foster	774,316	Nov. 8	1510	324	113	357
Loom warp stop-motion	J. T. Meats	775,452	Nov. 22	3876	819	113	932
Loom warp stop-motion	A. A. Johnson	778,132	Dec. 20	3319	728	113	2174
Loom warp stop-motion. Electrical	F. E. Kip. (Reissue)	12,274	Oct. 11	2256	494	112	1462
Loom warp-stop-motion mechanism	O. A. Sawyer	763,119	June 21	2971	641	110	2123
Loom weft-fork and weft-fork grid. Weaving	T. Pickles	777,137	Dec. 13	1346	297	113	1742
Loom weft-furnishing, &c., mechanism	H. I. Harriman	767,056	Aug. 9	1889	395	111	1482
Loom. Weft-replenishing	H. Wyman	764,326	July 5	837	170	111	184
Loom. Weft-replenishing	W. H. Baker	765,453	July 10	3113	652	111	709
Loom. Weft-replenishing	H. I. Harriman	767,057	Aug. 9	1899	398	111	1484
Loom. Weft-replenishing	E. A. Thissell	774,459	Nov. 8	1763	381	113	411
Loom weft-replenishing means	J. A. Gendron	767,934	Aug. 16	3604	763	111	1874
Loom weft-replenishing mechanism	W. H. Baker and F. E. Kip	749,979	Jan. 19	2888	617	108	678
Loom weft-replenishing mechanism	W. H. and H. H. Hacking	754,560	Mar. 15	2707	589	109	626
Loom weft-replenishing mechanism	F. O'Donnell	767,425	Aug. 16	2610	550	111	1654
Loom weft-replenishing mechanism	F. O'Donnell	767,426	Aug. 16	2613	550	111	1654
Loom weft-replenishing mechanism	C. Hämig	769,865	Sept. 13	1393	551	112	334
Loom weft-replenishing mechanism. Weaving	R. Starkie	758,720	Mar. 29	4887	1088	109	1133
Loom weft-stop-motion mechanism	A. D'Huyvetters	755,464	Dec. 22	4388	972	109	1005
Loom weft-tension means	B. F. McGuinness	766,511	Oct. 2	752	157	111	1294
Looms and filling-carrier therefor. Shuttle for automatic	C. H. Draper	772,505	Aug. 18	2628	578	112	1564
Looms. Brocading apparatus for ribbon-weaving	J. P. Gelas	767,141	Aug. 9	2080	432	111	1522
Looms. Combined box-motion and protection-rod lever for	W. Leary	760,131	May 17	3107	649	110	734
Looms. Filling-end-holding means for automatic	M. L. Stone	750,411	Jan. 26	3693	892	108	873
Looms for weaving carpets. Wiring-motion	E. Hollingworth	732,974	Feb. 23	4296	937	108	2029
Looms. Loop-cutting mechanism for pile-fabric	G. F. Hutchins	758,968	Mar. 3	771	154	110	179
Looms. Means for guiding the jacks in Crompton dobby	G. Schwabe	758,219	Apr. 26	3999	868	109	2253
Looms. Means for preventing war breakage in	R. Jamieson	753,198	Feb. 23	4610	1027	108	2119
Looms. Spooler for moquette or other pile-fabric	J. F. Walker	758,028	Apr. 19	3623	784	109	2153
Lubricant-conservor	L. E. Murphy	772,954	Oct. 25	3507	759	112	1773
Lubricant-supplying device	T. A. Matthews	758,201	Feb. 23	4615	1028	108	2121
Lubricant-vaporizing device	V. P. Maingault and J. C. Graham	736,126	Mar. 29	5081	1253	109	1307
Lubricants to wire or other ropes. Apparatus for applying	J. L. Bone and J. H. Whitehead	759,801	May 10	2457	514	110	572
Lubricating apparatus	E. W. Baird	768,240	Aug. 30	5566	1169	111	2349
Lubricating apparatus	H. Hamelle	776,240	Nov. 29	5477	1159	113	1305
Lubricating cup	M. H. Borland	773,598	Nov. 1	9	3	113	4
Lubricating device	F. L. Hawkins. (Reissue)	12,209	Mar. 22	4637	1030	109	1061
Lubricating device	B. F. Campbell	755,741	Mar. 29	4927	1097	109	1141
Lubricating device	A. G. Elvin	763,599	June 28	3917	852	110	2350
Lubricating device	J. E. Gill	763,176	July 19	2573	538	111	592
Lubricating device	W. B. Potter	769,382	Aug. 2	474	101	111	1145
Lubricating device	E. A. Rix	768,880	Aug. 30	5506	1158	111	2334
Lubricating device	J. F. Joy	772,153	Oct. 11	1901	421	112	1381
Lubricating device	B. F. Campbell and J. Berg	777,596	Dec. 13	2237	492	113	1935
Lubricating motors and machinery driven thereby	A. Krebs	752,566	Feb. 16	3361	740	108	1823
Lubricating-oil. System for distributing and filtering	C. E. Lefebvre	763,681	June 28	4079	888	110	2385
Lubricating substances. Means for testing	G. Dettmar	752,827	Feb. 23	3881	870	108	1955
Lubricating systems. Indicating the flow of lubricants in forced	P. T. Houston	769,161	Sept. 6	45	11	112	12
Lubricating wheel-flanges. Device for	J. H. Miner	777,428	Dec. 13	1884	416	113	1859
Lubrication. Apparatus for force-feed	J. F. McCanna	754,466	Mar. 15	2566	599	109	596
Lubrication control for fluid-pressure apparatus	W. J. Richards	773,523	Oct. 25	4663	1026	112	3078
Lubricator:							
See Air-brake-pump lubricator.	Motion feed-lubricator.						
Automatic lubricator.	Needle-lubricator.						
Compressed-air lubricator.	Rail-lubricator.						
Crank-pin lubricator.	Saw-lubricator.						
Cylinder-lubricator.	Sewing-machine lubricator.						
Force-feed lubricator.	Sight-feed lubricator.						
Journal-lubricator.	Spindle-lubricator.						
	Track-lubricator.						
	Vehicle-lubricator.						
	Windmill-lubricator.						
	Yarn or thread lubricator.						
Lubricator	T. A. Delaney	749,477	Jan. 12	1925	400	108	452

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Lubricator	S. M. Hall	750,053	Jan. 19	3043	653	108	710
Lubricator	L. Chapman	750,751	Jan. 26	4370	1944	108	1017
Lubricator	J. N. Leach	751,186	Feb. 2	751	172	108	1218
Lubricator	C. B. and F. W. Hodges	752,554	Feb. 16	3332	742	108	1818
Lubricator	J. J. Aull	754,737	Mar. 15	3056	667	109	702
Lubricator	F. J. Collinson	754,972	Mar. 22	3503	767	109	817
Lubricator	O. L. A. Riegels	755,245	Mar. 22	3973	888	109	918
Lubricator	G. Schneider	755,802	Mar. 29	5057	1123	109	1170
Lubricator	H. Ludendorff	755,898	Mar. 29	5243	1159	109	1214
Lubricator	W. R. Malcolm	756,867	Apr. 12	1299	290	109	1636
Lubricator	C. G. Glasrud	758,640	May 8	68	14	110	20
Lubricator	A. Erbor	759,800	May 17	2581	539	110	614
Lubricator	H. L. Kinch	760,439	May 24	3680	779	110	878
Lubricator	O. E. Gay	762,701	June 14	2160	470	110	1071
Lubricator	J. G. Donnenwerth	764,886	July 12	2021	417	111	459
Lubricator	C. and J. Jacobson	765,387	July 19	2372	622	111	679
Lubricator	L. Chapman	766,756	Aug. 2	1258	269	111	1323
Lubricator	G. B. Essex	767,047	Aug. 9	1874	393	111	1478
Lubricator	C. B. King	768,529	Aug. 23	4891	1025	111	2185
Lubricator	W. Alexander	769,040	Aug. 30	5935	1249	111	2419
Lubricator	H. F. Bickel	769,206	Sept. 6	126	31	112	29
Lubricator	A. G. Puerner	769,632	Sept. 6	939	203	112	213
Lubricator	J. H. A. Fortin	771,052	Sept. 27	3678	776	112	877
Lubricator	E. Clark	771,711	Oct. 4	963	215	112	1165
Lubricator	J. H. B. Deuster and H. A. Maschmeyer	771,815	Oct. 11	1177	262	112	1235
Lubricator	J. W. McClure	771,882	Oct. 11	1323	298	112	1256
Lubricator	C. L. Houck and G. Rose	772,145	Oct. 11	1885	417	112	1378
Lubricator	G. W. Bowen	772,399	Oct. 18	2406	528	112	1517
Lubricator	G. H. Annan	773,181	Oct. 25	4125	871	112	1917
Lubricator	J. V. Clark and H. S. Blynt	773,545	Nov. 20	622	5	113	6
Lubricator	J. T. Wilson	774,015	Nov. 1	956	199	113	218
Lubricator	M. F. Dolphin	774,050	Nov. 1	1031	321	113	233
Lubricator	G. Walca	774,960	Nov. 15	2788	596	113	657
Lubricator	M. La Quay	776,188	Nov. 29	3361	1135	113	1578
Lubricator	J. Powell	776,422	Nov. 29	5805	1329	113	1530
Lubricator	S. B. Forse	776,900	Dec. 6	879	190	113	1020
Lubricator	J. H. Tomlinson and J. M. Starr	778,087	Dec. 20	3228	709	113	2154
Lubricator	J. A. Place	778,265	Dec. 27	3576	783	113	2248
Lubricator	E. Kerwick and H. Ruppel	776,331	Nov. 29	5624	1192	113	1336
Lubricator	C. A. Sullivan	781,425	May 31	5677	1208	110	1331
Lubricators. Automatic force sight-feed pump for	G. C. McCune	758,400	Apr. 26	4490	965	109	2363
Lubricators. Auxiliary sight-feed for	F. W. Edwards	755,120	Mar. 22	3748	823	109	871
Lug. Supporting	D. M. Burns	774,932	Nov. 15	2745	588	113	619
Luggage-carrier	F. Dales	757,892	Apr. 19	3359	725	109	2035
Luggage-carrier	C. Lederman	767,823	Aug. 16	3399	717	111	1828
Lumber-drier bunk or truck	J. I. Ott	765,751	July 26	3721	794	111	851
Lumber-drying kiln	G. H. Hall	764,460	July 5	1123	229	111	248
Lumber-drying kiln	C. F. Williams	772,767	Oct. 18	3147	684	112	1675
Lumber-feeding machine	C. E. Cleveland	755,745	Mar. 29	4935	1098	109	1143
Lumber-handling apparatus	G. E. Dupee	769,153	Sept. 6	26	6	7	112
Lumber-kiln	J. R. Ripley	772,962	Oct. 25	3521	762	112	1777
Lumber-loading device	A. F. Lucas	758,989	May 8	806	162	110	186
Lumber-matching-machine pressure attachment	A. Milne	763,777	June 28	4268	930	110	2426
Lumber or lath handling apparatus	W. A. Marshall	750,775	Jan. 26	4433	955	108	1032
Lumber-preserving solution	S. B. Chapman	764,913	July 12	2094	1	111	475
Lumber-sorter's toe-cap	R. P. Adams	756,198	Apr. 5	1	1	109	1343
Lumber-transfer device. Automatic	D. C. Prescott	771,089	Sept. 27	3750	790	112	893
Lunch-box	M. J. Luce	763,297	June 21	3320	718	110	2200
Lung-tester	H. Bardsley	764,546	July 12	1335	271	111	309
Lustrous composition	J. Heineman	774,423	Nov. 8	1699	1	113	398
Macadam. Apparatus for the preparation of tar	E. P. Hooley	755,075	July 26	4151	886	111	944
Macaroni die-plate	L. Bourquin	762,128	June 7	982	204	110	1650
Macaroni-press	J. F. Malone and S. Davidson	756,259	Apr. 5	133	26	109	1571
Machine-clamp	E. D. Tucker	773,172	Oct. 25	4108	1053	112	1913
Machine-dog	M. B. Hill	768,454	Aug. 23	4746	995	111	2133
Machine element	D. C. Rice	775,735	Nov. 22	4468	945	113	1061
Machine parts. Disconnecting suspension device for heavy	F. G. J. Schulze-Pillot	775,252	Nov. 15	3443	727	113	817
Machinery. Device for protecting the joints between stationary and movable	F. W. Krogh	752,170	Feb. 16	2591	576	108	1632
Machinery. Means for controlling velocity and decreasing shocks and recoil in	E. G. Shortt	759,481	May 10	1836	370	110	437
Magnesium. Production of metallic	I. L. Roberts	778,370	Dec. 27	3592	785	113	2251
Magnet	H. F. Campbell	750,594	Jan. 26	4054	1067	108	946
Magnet-coil	A. Schweitzer	777,148	Dec. 13	1361	390	113	1745
Magnet-coil spool	H. Geisenhoner	756,954	Apr. 12	1471	325	109	1672
Magnet core. Field	C. R. Meston and H. I. Finch	771,260	Oct. 4	77	17	112	978
Magnet. Lifting	S. Piek	777,221	Dec. 13	1490	329	113	1772
Magnet. Relay	W. Palmer, Jr.	757,341	Apr. 12	2258	330	109	1840
Magnets of alternating-current generators. Rotating the field	C. F. Scott	774,955	Nov. 15	2780	595	113	656
Magnets of alternating-current generators. Rotating the field	C. F. Scott	774,956	Nov. 15	2783	596	113	656
Magnets of dynamo-electric machines. Rotating field	C. F. Scott	774,954	Nov. 15	2778	595	113	656
Magnetic brake	J. D. Ihlder	758,140	Apr. 26	3855	837	109	2223

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & E.	Vol.	Page.
Magnetic brake	J. F. Motz	765,082	July 12	2295	477	111	517
Magnetic detector	L. De Forest	772,878	Oct. 18	3339	737 728	112	1718
Magnetic materials. Making	R. A. Hadfield	767,110	Aug. 9	8017		111	1509
Magnetic qualities of materials. Testing the	F. Holden	773,937	Nov. 1	816	171	113	188
Magnetic-separation apparatus	C. Q. Payne	762,732	June 14	2255	491	110	1944
Magnetic-separation apparatus	C. Q. Payne	762,733	June 14	2258	492	110	1945
Magnetic separator	M. Dings	767,105	Aug. 9	8006	417	111	1507
Magnetic separator	J. W. Carnochan	773,246	Oct. 25	4254	900	112	1945
Magnetic-separator separating-cylinder	C. Q. Payne	762,751	June 14	2253	491	110	1943
Magnetically-operated switch	A. C. Eastwood	762,621	June 14	1987	429	110	1887
Magneto	W. F. Taylor	761,267	May 31	5373	1142	110	1263
Magneto-electric generator	H. J. Creighton	731,616	Feb. 9	1541	350	108	1404
Magneto-electric generator	B. P. and F. I. Remy	763,510	June 28	3769	612	110	2317
Magneto-generator	H. Hess	770,579	Sept. 20	2743	581	112	653
Mail and package carrying device. Electric.	E. G. Hamilton	760,787	May 24	4397	935	111	1085
Mail and saddle bag. Combined	L. N. Prudhomme	761,807	June 7	595	119	110	1572
Mail-bag	J. C. Lighthouse	777,214	Dec. 13	1478	327	113	1770
Mail-bag catcher	A. P. Bower	750,341	Jan. 26	3575	774	108	847
Mail-bag catcher	O. P. W. Ehrhardt	752,334	Feb. 16	2924	632	109	1738
Mail-bag catcher	W. D. McClellan	753,288	Mar. 1	136	32	109	38
Mail-bag catcher	W. A. Horral	756,498	Apr. 5	608	131	109	1470
Mail-bag catcher	G. J. Boget	760,175	May 17	3202	671	110	755
Mail-bag catcher	E. Potter	763,925	June 28	4563	996	110	2487
Mail-bag catcher and deliverer	W. Davidson	775,208	Nov. 15	3307	707	113	779
Mail-bag catcher and deliverer. Automatic	M. R. Statham	772,185	Oct. 11	1959	433	112	893
Mail-bag catching and delivering apparatus	C. W. Murdock	760,470	May 24	3744	793	110	1933
Mail-bag catching and delivering device	W. T. Fulton	759,982	May 17	2816	589	110	669
Mail-bag catching and delivering device	J. Swihart	768,078	June 21	3202	626	110	2108
Mail-bag catching and delivering device	P. L. Neil	763,316	June 21	3354	728 729	110	2208
Mail-bag catching and delivering device	C. W. Murdock	769,268	Sept. 6	256	60, 61	112	56
Mail-bag-catching device	A. Johnson	778,671	Dec. 27	4372	955	113	2420
Mail-bag crane	M. Lally	753,501	Mar. 1	321	191	109	114
Mail-bag crane	E. N. Trainham	772,761	Oct. 18	3180	682	112	1671
Mail-bag deliverer	W. D. Briggs	775,517	Nov. 23	4002	845	113	960
Mail-bag-delivering apparatus	E. N. Trainham	771,687	Oct. 4	917	207	112	1155
Mail-bag fastening	C. B. Stevens	760,084	May 17	2913	609	110	690
Mail-bag for railway service	P. L. Neil	756,135	Mar. 23	3633	1256	109	1310
Mail-bag holder	N. Olson	767,428	Aug. 16	2616	551	111	1655
Mail-box	H. G. Leffingwell	751,310	Feb. 2	1008	228	108	1272
Mail-box	J. V. Keener	751,922	Feb. 9	2131	490	108	1533
Mail-box	G. E. Robison	753,163	Feb. 23	4542	1013	108	2102
Mail-box	M. L. Ogle	753,302	Mar. 1	162	37	109	38
Mail-box	G. W. Smith	753,323	Mar. 1	588	134	109	128
Mail-box	C. W. Palmer	755,088	Mar. 22	3613	792	109	841
Mail-box	N. H. Sturgis and M. S. Allen	757,513	Apr. 19	2608	572	109	1223
Mail-box	M. Hoes	758,446	Apr. 26	4470	961	109	2338
Mail-box	C. B. Harward	759,437	May 10	1752	354	110	417
Mail-box	G. J. Massey	762,332	June 14	1393	301	110	1762
Mail-box	C. Gray	763,975	July 5	93	14, 15	111	29
Mail-box	F. L. Walsh	768,100	Aug. 23	4084	849	111	991
Mail-box	A. M. Burnham	772,128	Oct. 11	1841	409 410	112	1369
Mail-box	F. Schmoeyer	772,256	Oct. 11	2113	462	112	1430
Mail-box	M. Wickstrom	773,110	Oct. 25	3950	837 838	112	1877
Mail-box	J. W. Whalen	774,218	Nov. 8	1331	284	113	317
Mail-box	J. H. Knope	775,404	Nov. 22	3769	798	113	909
Mail-box, &c	M. B. and H. S. Mills	775,630	Nov. 22	4266	901 902	113	1018
Mail-box	L. D. West	776,630	Dec. 6	331	71	113	1502
Mail-box	W. G. Jones and R. M. George	777,026	Dec. 6	1132	246	113	1678
Mail-box, &c	M. B. and H. S. Mills	777,970	Dec. 20	3002	659 660 661	113	2108
Mail-box carrier	G. B. Okey	754,686	Mar. 15	2951	644	109	677
Mail-box. Rural	F. J. Keller	750,547	Jan. 26	3973	859	108	929
Mail-box. Rural free-delivery	E. Bevan	761,988	June 7	647	130	111	1582
Mail-carrier box	F. P. O'Neill	754,735	Mar. 15	3165	689	109	728
Mail-carrier box	P. J. Jonrud and M. M. Skyrud	776,663	Dec. 6	393	85	113	1515
Mail catcher and deliverer	H. N. Fleming	759,979	May 17	2809	587 588	110	667
Mail catcher and projector	L. A. Pease and J. A. Brady	760,345	May 17	3499	737	110	821
Mail-chute	J. W. Cutler	758,128	Apr. 26	3832	833	109	2317
Mail-crane	A. F. Finch	758,830	May 3	499	100	110	120
Mail-crane	R. L. Hardwick	777,628	Dec. 13	2292	504	113	1946
Mail-delivery apparatus. Automatic	I. F. Cole	751,464	Feb. 9	1255	287 288	108	1342
Mail-delivery apparatus. Automatic	I. F. Cole	751,465	Feb. 9	1258	288	108	1343
Mail-delivery box	T. B. Gray	754,441	Mar. 15	2480	540	109	577
Mail-delivery box	J. A. Barclay	766,095	July 26	4394	941	111	995
Mail-delivery case. Rural	A. M. Kindwall	756,258	Apr. 26	4085	834	109	2272
Mail-delivery index-case equipment	J. W. Howard and R. M. McKee	765,893	July 26	3994	853 854	111	909
Mail-delivery system. Rural	W. A. Sumner, G. W. Brewer, and J. K. Gibson	757,787	Apr. 19	3167	687 688	109	2053
Mail-distributing bag. Rural	W. Cortman	770,354	Sept. 20	2329	491	112	561

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & M.	Vol.	Page.
Mail-marking and canceling device.....	E. M. Judd.....	751,736	Feb. 9	1762	400 401	108	1450
Mail-marking apparatus.....	H. E. Waite.....	752,132	Feb. 16	2530	563 564	108	1639
Mail-marking machine.....	A. H. Pitney.....	753,207	Feb. 23	4625	1030 1031	108	2122
Mail-marking machine.....	F. C. Ielfield.....	761,229	May 31	5292	1124 1125	110	1245
Mail-marking machine.....	W. Barry.....	769,458	Sept. 6	618	136 137 218 219	112	140
Mail-matter-registering machine.....	D. di B. Savorgnan.....	756,714	Apr. 5	985	220 221 222	109	1554
Mail or letter box.....	P. S. Dusenbury and H. M. Kelly.....	749,428	Jan. 12	1795	378	108	425
Mail or parcel carrier.....	N. T. Starr.....	761,722	June 7	129	38	110	1482
Mail-pouch.....	J. J. Russell, Jr.....	766,973	Aug. 9	1741	365	111	1448
Mail-pouch attachment.....	W. D. Miller.....	765,504	July 19	3225	675	111	733
Mail-pouch catching and delivering mechanism.....	W. B. Rohmer.....	766,731	Aug. 2	1215	257	111	1311
Mail-pouch closure.....	J. L. McCormick.....	749,876	Jan. 19	2688	575	108	636
Mail, &c. Receiver for.....	N. D. Clearwater.....	751,834	Feb. 9	1358	444	108	4462
Mail receiving and delivering mechanism for railways.....	F. H. Burr.....	761,574	June 7	539	106	110	1553
Mail-sack holder.....	W. M. Falen.....	756,610	Apr. 5	796	172	109	1511
Mail-shears.....	H. Q. Hood.....	755,492	Mar. 22	4431	983	109	1014
Mailier. Coin.....	C. H. Stempel.....	752,010	Feb. 9	2317	517	108	1572
Mailing card. Coin.....	O. Mussinan.....	758,091	Apr. 26	3737	817	109	2191
Mailing-machine.....	E. S. Reed.....	769,334	Sept. 13	1335	285 287	112	331
Mailing or similar box indicator.....	J. Booth.....	750,519	Jan. 26	3907	847	108	917
Mailing-tube.....	F. W. Bettis.....	777,771	Dec. 20	2359	566	113	2030
Mailing-tube closure.....	H. Del Mar.....	758,129	Apr. 26	3839	833	109	2219
Mallet.....	G. B. Goddard.....	763,553	June 28	3840	831	110	2334
Malt-kiln.....	P. G. Toepfer.....	765,214	July 19	2638	549	111	608
Malt-kiln.....	C. E. Glafke.....	774,315	Nov. 15	2710	581	113	640
Malt-making machine.....	H. J. Sulzen.....	751,026	Feb. 2	449	106	108	1157
Malt-turner and aerator.....	J. Mueller.....	748,875	Jan. 5	610	137	105	137
Malt-turning apparatus.....	G. Eisner and F. Wörz.....	766,230	Aug. 2	171	31, 32	111	1079
Malt-turning-machine apron.....	D. D. Weschler.....	758,227	Apr. 26	4014	871	109	2257
Malt-ing-drum.....	H. Schreier.....	764,828	July 12	1920	393	111	436
Malt-ing-roller.....	F. Reypens-De Schutter.....	761,949	May 24	4827	1025	110	1127
Manacle.....	A. L. Nelson.....	778,761	Dec. 27	4535	993	113	2456
Mandolin-pick holder.....	B. F. Knell.....	749,616	Jan. 12	2168	455	105	507
Mandrel. Collapsible.....	E. Moxham.....	766,459	Aug. 2	625	133	111	1176
Mandrel. Expanding lathe.....	G. R. Rich.....	775,573	Nov. 22	4167	878	113	996
Mandrel. Expansive.....	A. Clay.....	749,302	Jan. 12	1332	285	108	327
Mandrel for cone-winders. Expanding.....	R. B. Easton.....	777,780	Dec. 20	2579	570	113	2023
Mandrel for pipe-shellacking machines.....	C. O. Strutz.....	770,399	Sept. 20	404	508	112	578
Mandrel holding and operating machine.....	W. N. Jones.....	770,072	Sept. 13	1761	372	112	415
Mandrel. Pipe.....	W. Alderdice.....	757,572	Apr. 19	1316	718	109	2085
Mandrels. Machine for grooving wire.....	M. Stadler.....	775,613	Nov. 22	4239	891 892	113	1011
Mangle.....	J. Zalikowski.....	750,930	Feb. 2	281	66, 67	108	1120
Mangle.....	W. J. Durr.....	760,530	May 24	3861	819	110	921
Mangle.....	W. E. André.....	762,605	June 14	1954	422	110	1880
Mangle.....	J. Zalikowski.....	771,291	Oct. 4	139	31	112	991
Manhole.....	H. C. Baker, Jr.....	761,749	June 7	244	43	110	1492
Manhole.....	H. C. Baker, Jr.....	761,750	June 7	247	48	110	1492
Manhole.....	H. C. Baker, Jr.....	763,708	June 28	4139	902 903	110	2359
Manhole. Conduit.....	H. C. Baker.....	766,581	Aug. 2	898	188	111	1238
Manhole-terminal for conduit-sections.....	G. M. Gest.....	774,318	Nov. 8	1513	324	113	357
Manhole-ventilator.....	D. L. Davis.....	770,959	Sept. 27	3498	737	112	839
Manholes. Bracket-block for conduit.....	G. M. Gest.....	756,844	Apr. 12	1257	280	109	1628
Manholes for conduits. Construction of.....	H. C. Baker, Jr. (Reissue).....	12,205	Mar. 22	4626	1027	109	1059
Manicure device.....	E. Kaufmann.....	762,725	June 14	2208	479	110	1385
Manicure implement.....	F. B. La May.....	775,368	Nov. 22	4141	920	113	990
Manicure-tool.....	H. Wilcox.....	766,859	Aug. 9	1514	316	111	1396
Manifold-machine.....	S. Reiter.....	772,672	Oct. 18	2936	644 645	112	1630
Manifolding.....	G. W. Donning.....	773,462	Oct. 25	4736	1000	112	2047
Manifolding apparatus.....	G. H. Phelps.....	762,338	June 21	2647	571	110	2032
Manifolding-blank.....	H. P. Brown.....	760,609	May 24	4013	853	110	954
Manifolding device.....	J. H. Petroskey.....	756,139	Mar. 29	5699	1257	109	1312
Manifolding device.....	I. H. Mallin.....	756,258	Apr. 5	130	26	109	1371
Manifolding device.....	773,273	Dec. 27	3598	786	113	2252	
Manifolding means.....	E. C. Richardson.....	774,804	Nov. 8	3099	453	113	469
Manifolding-tablet.....	H. P. Brown.....	760,608	May 24	4011	853	110	953
Manifolding writing-sheet. Self-sealing.....	W. Morton.....	755,159	Mar. 22	3817	843 844	109	887
Mantelpiece, vainscoting, face-plate, or slab for covering walls, ceilings, &c.....	D. Röhm.....	774,783	Nov. 15	2432	324 325	113	579
Mantle and support.....	W. G. Hughes.....	751,856	Feb. 9	2006	454	108	1505
Mantle-support.....	T. Stites.....	753,328	Mar. 1	207	46	109	48
Mantle-support.....	W. P. Johnson.....	757,556	Apr. 19	2698	590	109	1949
Mantle-support.....	W. E. Blair.....	758,814	May 3	465	93	110	114
Mantles. Apparatus for manufacturing illuminating.....	J. I. Robin.....	761,715	June 7	189	36	110	1480
Manure-loader.....	J. H. Entrekin.....	760,438	May 24	3678	778 779	110	877
Manure-loader.....	A. S. Milne.....	778,259	Dec. 27	3564	781	113	2345
Manure-loading device.....	J. Albrecht.....	755,354	July 26	4095	875	111	932
Manure-pulverizer. Barnyard.....	D. Upton.....	777,228	Dec. 13	1506	334	113	1776
Manure-spreader.....	C. W. Smith.....	750,067	Jan. 19	3065	658	108	715

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Manure-spreader	L. A. Keene and M. R. Pharis	773,505	Oct. 25	4800	1012 1013	112	2062
Map	A. Van der Grinten	751,226	Feb. 2	838	192	108	1236
Map	J. A. Colas	752,957	Feb. 23	4172	930	108	2020
Map	E. Heubach	754,450	Mar. 15	2492	542	109	580
Map and machine for operating same. Movable	T. Ikemori	770,585	Sept. 20	2751	583	112	654
Map-case. Wall	R. M. Ringland and C. N. Black	760,019	May 17	2282	602	110	683
Map. Road	L. J. Carter	770,350	Sept. 20	2323	490	112	560
Map study	E. Wilkins	752,739	Feb. 23	3712	828	108	1918
Maps, charts, &c. Apparatus for displaying	M. Flachsbart	755,494	July 19	3151	659	111	717
Marble. Artificial	D. Feldhamer and N. Oelgiesser	773,383	June 28	3326	944	110	2268
Marble. Manufacturing artificial	F. Oliva	766,893	Aug. 9	1558		111	1413
Marble or granite polishing machines. Head for	H. J. Higgins	759,886	May 17	2621	549	110	623
Marble-shooter	A. Kjellman	778,046	Dec. 20	3154	693	113	2138
Marine hull	T. H. Smith	769,502	Sept. 6	718	155	112	163
Mariners. Artificial horizon for use of	J. M. Stratton	753,445	Mar. 1	423	99	109	92
Marker. Land	E. O. Doak	763,342	June 21	3398	739	110	2218
Marker. Land	J. Millar	775,058	Dec. 20	3174	698	113	2142
Marker. Stock	L. J. Davis	749,035	Jan. 5	968	204	108	225
Marking and cutting device	C. C. Stange	748,997	Jan. 5	871	187	108	201
Marking device. Fountain	J. E. Langill	753,393	Mar. 1	727	162	109	158
Marking-gage	D. Wager	751,793	Feb. 9	1812	413	108	1460
Marking-gage	F. A. Tustison	766,919	Aug. 9	1628	344	111	1422
Marking-machine	E. M. Schantz	753,435	Mar. 2	407	95, 96	109	89
Marking tool. Cattle	H. A. Jones	748,613	Jan. 5	106	27	108	21
Marlinespike	H. Fesenfeld	748,714	Jan. 5	302	68	108	67
Maroons. Preserving	F. Kappler, Jr.	753,717	May 10	2279	471	110	532
Martingale	G. B. Raffetto	770,187	Sept. 13	1974	112	460	
Martingale-ring	J. P. Kenny	773,015	Oct. 25	3622	782	112	1798
Mashing and converting process	J. Fisher	755,862	Mar. 29	5179	1146	109	1199
Mask	C. H. Caspar	776,999	Dec. 6	1076	234	113	1665
Mask. Protective	A. Braverman	772,273	Oct. 11	2144	469	112	1437
Masonry structures. Temporary supporting-form for	H. B. Schutt	761,257	May 31	3553	1137	110	1258
Massage apparatus	G. W. Jackson	749,735	Jan. 19	2430	516	108	579
Massage apparatus	A. Ward	756,441	Apr. 5	507	105	109	1450
Massage apparatus	J. U. and G. Jones	764,470	July 5	1148	233	111	233
Massage apparatus	W. Miner	755,746	July 26	3708	731	111	848
Massage apparatus	C. Adams-Randall	770,708	Sept. 20	2990	636	112	707
Massage apparatus. Electromechanical vibratory	C. Adams-Randall	778,621	Dec. 27	4381	934 935	113	2399
Massage apparatus. Pneumatic	F. H. Crabtree	757,177	Apr. 12	1993	423	109	1772
Massage appliance	C. Rigola	771,143	Dec. 13	1353	369	113	1743
Massage device	O. Zar-Adusht-Hanish	754,925	Mar. 15	3398	743	109	716
Massage device	H. A. Dow	770,519	Sept. 20	2635	558	112	628
Massage. Electromagnetic device for vibratory	E. K. Müller	749,213	Jan. 12	1357	291	108	343
Massage. Electr. mechanical apparatus for vibratory	C. Adams-Randall	778,771	Dec. 27	4352	996	113	2400
Massage implement	J. Barker	750,568	Jan. 26	4007	866	108	936
Massage implement	G. Dittmar	768,523	Aug. 23	4881	1023	111	2181
Massage instrument	N. Jacobsen	749,690	Jan. 12	2316	488	108	537
Massage instrument	J. A. Howell	758,653	May 3	87	18	110	23
Massage-machine	P. J. Kroll	754,463	Mar. 15	2515	548	109	584
Massage-machine	J. Graves	758,205	Apr. 26	3978	863	109	2245
Massage-machine	C. Pfanschmidt	766,897	Aug. 9	1553	334	111	1414
Massage-machine	C. Pfanschmidt	766,970	Aug. 9	1737	364	111	1447
Massage-roller	E. Blanchard	765,463	Sept. 6	646	138	112	147
Massage-rollers	G. M. Dunshoe	761,799	July 12	1851	381	111	420
Massaging implement	J. B. Wantz	751,031	Feb. 2	460	108	108	1159
Massaging implement	A. U. Patchen	767,593	Aug. 16	2958	619	111	1734
Massaging instrument	M. Doerr	759,505	May 10	1886	379	110	447
Mat:							
See Metallic mat.	Stair-mat.						
Oil-press mat.	Stove-mat.						
Mat	A. S. Burnell	771,809	Oct. 11	1168	260	112	1233
Mat	E. S. Norton and G. C. Knauff	775,633	Nov. 23	134	303	113	1020
Match	B. Jacob	763,670	June 28	4057	883	110	2381
Match-box	H. A. Dodge	749,539	Jan. 12	2054	426	108	481
Match-box	G. Agobian	749,600	Jan. 12	2144	447	108	502
Match-box	J. Long	753,989	Mar. 8	1542	344	109	357
Match-box	P. F. Quinn and G. Soylian	754,091	Mar. 8	1744	387	109	396
Match-box	M. Neumerkel	738,771	May 3	387	77	110	95
Match-box	E. C. Carris	761,625	May 31	6030	1294	110	1410
Match-box	F. B. Pringle	761,906	June 7	593	119	110	1571
Match-box	C. F. Pevoto	763,567	June 28	3865	837	110	2340
Match-box	T. W. Mabey	764,895	July 12	2047	423	111	464
Match-box	R. Parkhouse	765,853	July 26	3927	838	111	894
Match-box	F. C. Anderson	766,094	July 26	4393	941	111	995
Match-box	A. Turner	774,615	Nov. 8	2059	449	113	473
Match-box	C. W. Townsend	775,071	Nov. 15	3025	642	113	715
Match-box	H. A. Dodge (Reissue)	12,290	Nov. 29	3320	1249	113	1406
Match-box and cigar-cutter. Combined	F. H. Vick, Jr.	752,130	Feb. 16	2528	563	108	1638
Match-box, cigar-cutter, and corkscrew. Combined	B. Brooks	762,130	June 7	986	304	110	1651
Match-box, cigar cutter, and lighter. Combined	M. McDermott	770,438	Sept. 20	2468	523	112	590
Match-box-filling machine	H. Beeg	753,223	Mar. 1	14	3, 4	109	5
Match-boxing machine	E. A. Parker	758,467	Apr. 26	4502	968	109	2365
Match-case	J. C. Donnelly	761,765	June 7	285	57, 58	110	1501
Match-case	S. Robert	754,707	Mar. 15	3009	657	109	691
Match composition	J. A. Wendel	754,265	Mar. 8	2063		109	469

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				Spec.	Dr-g.	Vol.	Page.
Match composition	F. E. Grimm	755,653	Mar. 29	4744		109	1069
Match-holder	L. Ebner	752,443	Feb. 16	3137	697	108	1773
Match-igniting device	F. W. Tuerk	759,492	May 17	2723	572	110	646
Match-lighter	P. J. A. Schnoor	760,491	May 24	3788	801	110	904
Match-lighting attachment	G. C. Harrison	764,032	July 5	275	52	111	63
Match-machine	M. A. Sheldon	757,372	Apr. 19	2738	590	109	1937
Match-machine	W. F. Hutchinson	771,310	Oct. 4	173	88	112	998
Match-making machine	J. P. Wright	756,193	Mar. 29	5777	1276	109	1228
Match-making machine	W. S. Campbell and L. Holabird	759,861	May 17	2582	539	110	614
Match-making machine	J. P. Wright	766,567	Aug. 2	868	182	111	1231
					184		
Match-making machine	A. C. Rahe	773,162	Oct. 25	4080	863	112	1907
Match-making machine	J. C. Donnelly	776,648	Dec. 6	358	77, 78	113	1507
Match-making machinery	D. B. Calkins	758,617	May 3	23	110	8	
Match-making machinery	A. B. Calkins	758,618	May 3	26	5, 6	110	9
Match-making machinery	A. B. Calkins	768,582	Aug. 30	5025	1053	111	2229
					1054		
Match-making machinery	A. B. Calkins	768,583	Aug. 30	5029	1054	111	2230
Match-making machinery	V. Gerstenschlager	776,464	Nov. 29	5885	1243	113	1398
Match or other box	A. F. Fuller	750,447	Jan. 26	3761	818	108	887
Match-package	J. A. E. Criswell	758,583	Apr. 26	4732	1020	109	2417
Match-package	J. A. E. Criswell	764,520	July 5	1253	257	111	274
Match-receptacle	J. E. Nearh	751,675	Feb. 9	1641	353	108	1425
Match-receptacle	J. E. Nearh	753,297	Mar. 1	155	36	109	37
Match receptacle. Burned and unburned	H. S. Alexander	767,675	Aug. 16	3114	651	111	1767
Match-safe	M. R. Thomas	748,891	Jan. 5	639	143	108	143
Match-safe	M. R. Land	751,308	Feb. 2	1065	228	108	1271
Match-safe	D. S. Kissam	754,521	May 8	1934	441	109	453
Match-safe	S. Quee	758,215	Apr. 26	3994	867	109	2252
Match-safe	J. H. Millsaps	760,232	May 17	3399	693	110	777
Match-safe and cigar-cutter. Combined	H. P. Klein	761,503	May 31	5807	1241	110	1361
Match-safe and cigar-cutter. Combined	A. Friedman	771,977	Oct. 11	1528	343	112	1299
Match-safe and lighter	C. F. A. Cammann	745,925	Jan. 5	711	155	108	161
Match-safe. Single-delivery	W. F. Carlberg	749,472	Jan. 12	1915	397	108	450
Match-scratcher	C. R. Wilson	768,164	Aug. 23	4159	875	111	2018
Match-scratching device	D. C. Cole	775,296	Nov. 22	3339	746	113	856
Match-splint cutting and assembling machine	D. Hutchinson and M. T. Weston	773,394	Oct. 25	4357	963	112	2011
					964		
Match-splints into perforated blocks, &c., and removing same. Machine for inserting	A. Lagerman	761,773	June 7	313	63	110	1509
					64		
Match-sticks. Appliance for isolating	F. Czerweny	757,180	Apr. 12	1937	423	109	1773
Match-stock preparing apparatus	W. H. Parker	749,218	Jan. 12	1374	204	108	326
Match-stock-preparing machine	W. H. Parker	752,706	Feb. 23	3636	814	108	1906
Match-strip	C. A. Stolte and H. E. Smith	756,896	Apr. 5	1177	261	109	1596
Matches. Making	W. H. Parker	770,309	Sept. 20	2251	471	112	543
Mathematical-instrument case	G. Schoenner	758,700	May 3	184	39	110	44
					14		
Matrices. Machine for manufacturing justified-line	F. A. Johnson	769,168	Sept. 6	55	15	112	14
					16		
Matrix-band retainer	L. H. Babcock	774,816	Nov. 15	2502	539	113	593
					17		
Matrix or type-die	J. Broadhouse	764,793	July 12	1838	376	111	418
					377		
Matte. Producing	R. Bagdaley and C. M. Allen	766,656	Aug. 2	1060		111	1275
Matte. Converting	R. H. Aiken	755,557	Mar. 22	4543		109	1040
Matting	A. S. Burnell	760,101	May 17	3047	637	110	721
Matting	J. L. Sear	771,808	Oct. 11	1167	260	112	1223
Matting end	M. J. Wilson	767,094	Aug. 9	1986	413	111	1502
Mattress	F. J. Lewzey	749,901	Jan. 19	2737	586	108	646
Mattress	L. N. Bachand	758,886	May 3	626	124	110	148
Mattress	W. E. Fisher	765,750	July 26	3727	795	111	852
Mattress	C. A. Fisher	772,602	Oct. 18	2803	617	112	1002
Mattress	R. S. Bartlett	772,602	Oct. 18	2803	617	112	1002
Mattress. Bed	H. Kintz	771,076	Sept. 27	3732	787	112	888
Mattress coiler. Wire	W. E. Fisher	758,744	May 3	337	67	110	83
Mattress-filling machine	F. A. Rice	764,500	July 5	1210	248	111	266
					249		
Mattress-filling machine	G. W. Wareham	766,476	Aug. 2	686	144	111	1190
Mattress-frame	F. J. and W. C. Van Cise	763,442	June 28	3650	786	110	2295
Mattress-frame	F. J. and W. C. Van Cise	763,443	June 28	3652	786	110	2295
Mattress-guard for beds	W. E. Fisher	768,071	Aug. 30	5221	1007	111	2272
Mattress-making machine	M. W. Meves	776,807	Dec. 27	4257	928	113	2393
Mattress. Sponge-rubber	C. L. Derick	752,147	Feb. 16	2559	569	108	1645
Mattress. Spring	C. G. Smith	769,843	Sept. 13	1358	290	112	326
Mattress. Spring	W. J. Baker	773,911	Nov. 1	765	160	113	176
Mattress stretcher. Woven-wire	G. T. Pond	772,558	Oct. 25	3514	761	112	1775
Mattress-stuffing machine	C. W. Johansen	771,073	Sept. 27	3724	785	112	886
Mattress-stuffing machine. Pneumatic	L. W. Ellman and J. W. Morgan	752,662	Feb. 23	3573	795	108	1886
					796		
Mattress. Wire	F. Caspary	751,147	Feb. 2	608	153	108	1202
Mattress. Woven-wire	W. J. Rimmington	756,143	Mar. 29	5704	1258	109	1313
Mausoleum or burial-vault	G. Y. Bonus	750,157	Jan. 19	3224	605	108	749
Maximum-demand indicator	H. W. Brown	755,739	Mar. 29	4924	1097	109	1140
Measure	C. A. Shumate	770,993	Sept. 27	3450	728	112	828
Measure. Adjustable horse-collar	W. Cosbie	762,146	June 7	1019	212	110	1659
Measure and filter. Liquid	J. T. Story	776,358	Dec. 6	1003	215	113	1649
Measure and funnel. Automatic	H. R. Myers	751,469	Feb. 9	1621	370	108	1424
Measure. Angle-tape	J. A. Roe	759,313	May 10	1502	302	110	363
Measure. Flinger	E. A. Stemm	766,911	Aug. 9	1618	340	111	1420
Measure. Foot or last	H. F. Goodrich	774,580	Nov. 8	2002	436	113	461

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.	Vol.	Page.
Measure. Line.	S. Kline.	758,320	Apr. 26	4228	908	109	2304
Measure. Liquid.	H. J. and J. C. Brantley.	748,694	Jan. 5	273	62, 63	108	61
Measure. Liquid.	F. J. Dule.	755,465	Mar. 22	4390	972	109	1046
Measure. Siphon-gaged liquid.	W. F. Vrooman.	736,439	Apr. 5	565	104	109	1450
Measure. Tailor's.	R. G. Horne.	750,975	Feb. 2	363	88	108	1138
Measure. Tailor's.	S. M. Griffin.	754,765	Mar. 15	3100	677	109	713
Measure. Tailor's.	B. Simpson.	761,551	May 31	5803	1263	110	1378
Measure. Tailor's.	E. Wakefield.	765,407	July 19	3014	631	111	688
Measure. Tailor's.	P. O. Hirsch.	765,537	July 26	3890	851	111	888
Measure. Tape.	L. Obermeier.	777,913	Dec. 20	2888	636	113	2085
Measure. Toe-tip.	E. H. Packard.	752,798	Feb. 23	3821	857	108	1942
Measures and funnels. Automatic valve for combined	F. D. Schafer.	748,988	Jan. 5	854	183	108	138
Measured quantities. Apparatus for delivering	A. A. Kelly.	774,326	Nov. 8	1533	328	113	362
Measurer. Automatic grain.	F. Beutler.	773,707	Nov. 1	336	73	113	80
Measurer. Grain.	J. M. Weibourn.	762,217	June 7	1141	245	110	1688
Measurer. Siphon-gaged liquid.	W. F. A. E., and H. C. Vrooman.	764,834	July 12	1929	395	111	438
Measuring and cutting machine. Cloth.	F. I. Stiles.	752,120	Feb. 16	186	558	108	1684
Measuring and cutting-off machine.	R. Thirsk.	738,223	Apr. 26	4004	860	109	2254
Measuring and delivering device. Rope.	S. D. Lindsay.	774,987	Nov. 15	2857	609	113	676
Measuring and delivering material. Machine for automatically	J. Kellington.	778,043	Dec. 20	3144	692	113	2136
Measuring and examining machine. Cloth.	P. P. Schramek.	756,146	Mar. 29	5707	1259 1260	109	1313
Measuring and filling machine. Automatic.	H. Smith.	760,162	May 17	3175	165 166 167	110	749
Measuring and recording intervals of time. Electric apparatus for	C. J. Springer.	764,020	Mar. 8	1603	367	109	370
Measuring and truing shoe-tips. Device for	G. Elmiasian.	751,621	Feb. 9	1550	353	108	1406
Measuring and weighing mechanism.	R. L. Patterson.	754,937	Mar. 15	3423	748	109	782
Measuring apparatus.	F. Blossom and W. A. Haller.	757,017	Apr. 12	1608	350	109	1709
Measuring apparatus.	C. R. Hudson.	757,810	Apr. 19	3396	696	109	2061
Measuring apparatus. Liquid.	T. E. Mather.	753,283	Mar. 1	127	31	109	31
Measuring apparatus. Liquid.	J. B. Beam.	759,209	May 3	1251	251 252	110	286
Measuring, bagging, and registering machine. Grain.	R. Davies.	771,770	Oct. 4	1077	241	112	1189
Measuring-box. Drawer.	N. W. Davis.	758,827	May 3	493	99	110	119
Measuring cloth, &c. Machine for.	J. H. Ferris.	773,861	Nov. 1	650	138	113	150
Measuring device.	V. B. Frangart.	752,446	Feb. 16	3141	698	108	1774
Measuring device.	H. F. Leick and M. J. O'Donnell.	755,390	Mar. 22	4075	963	109	439
Measuring device.	W. B. Martin.	755,902	Mar. 29	5248	1161	109	1215
Measuring device.	S. B. Bowden.	762,800	June 14	2350	512 513	110	1967
Measuring device. Foot.	D. E. Hertzler and C. F. Smith.	770,965	Sept. 13	1750	370	112	412
Measuring device. Garment.	A. D'Alessio.	766,966	May 24	4748	1041	110	1169
Measuring device. Lace.	C. Hodges.	761,489	May 31	5778	1235	110	1354
Measuring device. Taper.	G. P. Hazelton.	761,378	May 31	5595	1191 1192	110	1312
Measuring heights of individuals. Device for	J. Maitland.	750,870	Feb. 2	167	39	108	1604
Measuring implement. Mechanic's combination.	C. R. Williams.	765,390	July 19	2787	582	111	659
Measuring instrument.	R. Schierbeck.	752,470	Feb. 16	3175	707	108	1781
Measuring instrument.	P. H. Walsh.	761,632	May 24	4887	1634	110	1138
Measuring instrument.	W. J. Muncaster.	769,267	Sept. 6	254	59, 60	112	55
Measuring instrument.	L. M. Hodge.	776,325	Nov. 29	5905	1188	113	1332
Measuring instrument. Angle.	F. E. Hutchins.	751,647	Feb. 9	1526	393	109	1415
Measuring instrument. Angle.	C. Clark.	759,229	May 10	1361	271	110	230
Measuring instrument. Combination.	W. B. Terry.	769,489	Sept. 13	1396	292	112	328
Measuring instrument. Combination.	W. P. Phenix.	774,395	Nov. 8	1567	343	113	376
Measuring-instrument damping device.	V. Arcioni.	767,372	Aug. 16	2509	536	111	1631
Measuring instrument. Distance.	R. J. Miller.	760,545	May 24	3861	826	110	567
Measuring instrument. Electric.	A. A. Kent.	764,814	July 12	1884	396	111	428
Measuring instrument. Electrical.	L. T. Robinson.	751,015	Feb. 2	429	102	108	1152
Measuring instrument. Electrical.	H. C. Snook.	768,957	Aug. 30	5793	1218	111	2402
Measuring instrument. Electrical.	T. Duncan.	769,984	Sept. 13	1611	343	112	379
Measuring instrument. Electrical.	T. Duncan.	769,985	Sept. 13	1614	344	112	380
Measuring instrument. Electrical.	T. Duncan.	769,989	Sept. 13	1633	346	112	386
Measuring instrument. Electrical.	F. W. Roller.	776,896	Dec. 6	818	176	113	1607
Measuring instrument. Light.	T. Z. Millard and P. H. Palmer.	753,598	Mar. 1	534	124	109	118
Measuring instrument. Optical.	J. G. Stewart.	767,847	Aug. 16	3441	728	111	1838
Measuring instrument. Prepayment electrical.	F. Conrad.	757,439	Apr. 19	2455	526 527	109	1897
Measuring instrument. Recording electrical.	E. Weston and A. O. Benecke. (Reissue.)	12,235	June 21	3413	742 743	110	2221
Measuring instrument. Reflection.	E. Koscinski.	765,493	July 19	3398	671	111	730
Measuring instruments. Centrality in bottles, &c.	R. A. Bohnmann.	762,452	Feb. 16	3149	701	108	1776
Means for securing.	W. H. Pratt.	755,792	Mar. 29	5469	1119	109	1165
Measuring instruments. Inertia-damper for electric	W. H. Pratt.	755,792	Mar. 29	5469	1119	109	1165
Measuring instruments. Means for protecting electrical	M. C. Rypinski.	757,056	Apr. 12	1687	367	109	1717
Measuring instruments. Temperature-compensating device for electrical	W. H. Bristol.	776,491	Dec. 6	21	6	113	1428
Measuring-machine.	G. M. Bond.	750,233	May 10	1346	368 369	110	327
Measuring machine. Area.	H. A. Dudgeon.	776,906	Nov. 29	5574	1181 1182	113	1326
Measuring machine. Chocolate.	R. T. Hooton and C. G. Ross.	765,731	July 26	3633	786	111	843
Measuring machine. Cloth.	D. A. Albright.	774,634	Nov. 8	2694	786	113	480
Measuring-machine or meter.	E. Ek.	766,942	Aug. 9	1695	354	111	1436

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Measuring-stick	E. Newman	772,289	Oct. 11	2175	475	112	1444
Measuring tank. Liquid	E. O. Linton	748,761	Jan. 5	389	88	108	86
Measuring the duration of combustion of powders. Apparatus for	A. Cioffi	764,350	July 5	890	1182	111	195
Measuring the flow of oil in pipes. Apparatus for accurately	L. P. Lowe	749,390	Jan. 12	1724	365	108	411
Measuring the revolutions of rotating shafts	H. Frahm	759,512	May 10	1901	382	110	450
Measuring the revolutions of rotating shafts. Apparatus for	H. Frahm	759,513	May 10	1902	382	110	451
Measuring the speed of flowing liquids. Device for	R. Lohse	771,826	Oct. 11	1200	267	112	1231
Measuring vessel	O. G. Kelly	767,697	Aug. 16	3151	658	111	1776
Measuring vessel	H. Bond and W. C. Malz	778,473	Dec. 27	4008	873	113	2330
Measuring water for irrigation or similar purposes. Apparatus for	C. J. Grant and A. G. M. Michell	771,061	Sept. 27	3701	781	112	881
Measuring watts in alternating-current circuits	C. A. Brown	750,939	Feb. 2	302	71	108	1124
Meat-chopper	J. A. Sander	756,713	Apr. 5	984	1218	109	1554
Meat-chopper wrench	A. J. Gerhardt	760,532	May 24	3865	820	110	922
Meat-cutter	J. W. Simmons	752,264	Feb. 16	2787	618	108	1699
Meat cutter or chopper	P. F. Meher	749,873	Jan. 19	2683	574	108	634
Meat-press	G. Freysleben	754,297	Mar. 8	2123	471	109	482
Meat-press	V. M. Kent	775,181	Nov. 15	3250	885	113	763
Meat products. Mold for marking	J. Cunningham	755,112	Mar. 22	3738	821	109	869
Meat-salting apparatus	L. Peter	774,394	Nov. 8	1645	353	113	387
Meat-slicing machine	J. L. Worrell	756,419	Apr. 5	323	109	109	1454
Meat-tenderer	C. D. Gunn	766,356	Apr. 5	331	68	109	1414
Meat-tenderer	J. H. Tolon	761,728	Jun. 17	3694	109	110	1414
Meat-tenderer	G. R. Sackett	772,962	Oct. 25	3524	763	112	1778
Meat-tenderer, also vegetable-cutter	E. G. Riedel	776,945	Dec. 6	974	209	113	1642
Meat-tenderer and vegetable-cutter	M. Knutsen	759,893	May 17	2635	551	110	625
Meat-tray, Butcher's	T. F. Graham	759,099	May 3	1009	205	110	229
Meats. Curing	F. J. Gardner	752,392	Feb. 17	675	108	108	1732
Meats. Curing and preserving	A. W. Ball	760,173	May 17	3190	670	110	734
Mechanical motor	D. J. Shea	773,698	July 12	1528	1312	111	351
Mechanical motor	W. H. Vanfossen	764,033	Nov. 1	307	68	113	73
Mechanical movement	W. H. Voss	750,136	Jan. 13	3188	685	108	741
Mechanical movement	J. T. Laferri	751,218	Feb. 2	822	189	108	1232
Mechanical movement	C. Dietz	751,268	Feb. 2	930	211	108	1255
Mechanical movement	A. Lindsay and J. Meinert	751,317	Feb. 2	1019	231	108	1275
Mechanical movement	H. F. Brammer	751,606	Feb. 9	1518	345	108	1400
Mechanical movement	B. Hall	753,389	Mar. 1	313	71	109	71
Mechanical movement	R. V. Collins	754,050	Mar. 8	1658	369	109	881
Mechanical movement	G. H. Niles	755,919	Mar. 29	5295	1169	109	1225
Mechanical movement	O. A. Morrow	756,131	Mar. 29	5689	1255	109	1309
Mechanical movement	D. W. Shiek	757,511	Apr. 19	2604	1570	109	1928
Mechanical movement	F. A. Yokoun	758,578	Apr. 26	4725	1019	109	2415
Mechanical movement	W. Hanson	758,914	May 3	669	134	110	137
Mechanical movement	J. F. Siems	758,939	May 3	720	144	110	169
Mechanical movement	C. and J. Dietz	759,423	May 10	1729	350	110	412
Mechanical movement	A. Wahl	759,648	May 10	2163	445	110	507
Mechanical movement	H. M. McCall	761,317	May 31	5475	1164	110	1284
Mechanical movement	W. A. Pentecost	761,538	May 31	6863	1237	110	1372
Mechanical movement	H. Brammer	764,172	July 5	523	103	111	116
Mechanical movement	A. W. Barr	766,214	Aug. 2	125	23	111	1068
Mechanical movement	J. R. Carter	766,809	Aug. 9	1415	295	111	1375
Mechanical movement	J. E. Hausfeld	766,825	Aug. 9	1448	301	111	1383
Mechanical movement	G. W. Foster	766,878	Aug. 9	1559	326	111	1406
Mechanical movement	W. Richardson	767,085	Aug. 9	1967	410	111	1498
Mechanical movement	D. A. Carpenter	767,327	Aug. 9	2416	506	111	1593
Mechanical movement	J. T. Hogan	767,481	Aug. 16	2732	573	111	1683
Mechanical movement	J. W. Martin	767,760	Aug. 16	3254	684	111	1799
Mechanical movement	B. Hall, (Reissue)	12,262	Aug. 23	5002	1049	111	2207
Mechanical movement	W. S. Huson	768,750	Aug. 30	5372	1132	111	2306
Mechanical movement	J. Sheline	769,327	Sept. 6	384	89	112	83
Mechanical movement	A. Wood	770,789	Sept. 27	3149	667	112	760
Mechanical movement	M. Myers	771,464	Oct. 4	511	115	112	1067
Mechanical movement	F. W. Blanchard	771,680	Oct. 4	933	211	112	1159
Mechanical movement	F. L. Eager	771,864	Oct. 11	1281	287	112	1347
Mechanical movement	T. A. Warner	772,388	Oct. 18	2380	1523	112	1511
Mechanical movement	H. C. Stone	773,622	Nov. 1	519	118	113	125
Mechanical movement	O. Soder	773,900	Nov. 1	734	156	113	168
Mechanical movement	H. M. Barber	776,289	Nov. 29	5549	1175	113	1320
Mechanical movement	J. D. A. Johnson	776,401	Nov. 29	5759	1219	113	1368
Mechanical movement	C. E. Sandstrom	778,802	Dec. 27	4068	1006	113	2472
Mechanical movement	W. H. Dixon	776,174	Nov. 29	5389	1128	113	1573
Medallion and match-igniter	F. B. Shepard	762,849	June 14	2463	533	110	1991
Medical battery	G. F. Webb	765,530	July 19	3267	684	111	742
Medical battery	L. W. Pullen	772,959	Oct. 25	3516	761	112	1775
Medical-compound diluent	J. M. Schutz	775,419	Apr. 12	2414	1082	109	1872
Medical or like capsules. Apparatus for the manufacture of	R. Paul	777,744	Dec. 20	2505	553	113	2069
Medical tablet	L. Rosenthal	764,678	July 12	1614	380	111	370
Medicament-vaporizer	M. Saenger	759,397	May 10	1678	339	110	400
Medicaments. Method of and apparatus for impregnating parts of the body with	J. Lütje	753,990	Mar. 8	1544	345	109	357
Medicated belt. Hygienic	T. O. Gasaway and J. S. Aydelotte	765,472	July 19	3167	662	111	721
Medicated soaps. Making	R. Reiss and O. Schmatolla	760,018	May 17	2881	100	110	683
Medicated tampon	E. M. Pond	749,220	Jan. 12	1378	294	108	337

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Medicinal purposes. Apparatus for generating steam for	M. F. Hentschel	774,075	Nov. 1	1076	230	113	243
Medicine into eyes. Device for putting	G. A. Carpenter	772,028	Oct. 11	1630	367	112	1324
Medicines for hypodermic purposes. Packaging of	H. H. Hager	766,344	Aug. 2	412	87	111	1131
Megaphone	C. Melville	748,969	Jan. 5	801	173	108	183
Megaphone	F. E. Mitchell	758,417	Mar. 1	375	88	109	82
Megaphone. Collapsible	H. Sturges	763,808	June 28	4346	943	110	2441
Megaphone. Return-ball	G. F. Dunn	755,117	Mar. 22	3744	833	109	871
Melting-furnace	J. F. Barker	750,748	Jan. 26	4366	943	108	1016
Melting-furnace	H. J. J. Charlier	753,122	Feb. 23	4469	994	108	2086
Memorandum for household use. Permanent.	A. R. Mensing	753,601	Mar. 1	737	165	109	160
Memorandum-pad	A. D. Robinson	773,594	Nov. 1	115	24	113	31
Memorandum-receptacle	W. L. Lindsay	773,083	Dec. 20	3166	696	113	2141
Mercurizing apparatus	T. Pratt	750,694	Jan. 26	4224	917	108	983
Mercurizing apparatus	R. P. Smith and G. E. Drum	755,716	Mar. 29	4869	1082	109	1129
Mercurizing apparatus	I. E. Palmer	765,398	July 19	2994	1033	111	684
Mercurizing apparatus. Yarn	I. E. Palmer	770,920	Sept. 27	3413	1026	112	818
Mercurizing machine. Yarn	P. Hahn	755,765	Mar. 29	4992	1110	109	1154
Mercurial regulator	R. J. Flinn	759,228	May 10	1395	1111	110	399
Merry-go-round	M. Holtman	762,591	June 14	1812	390	110	1852
Merry-go-round	C. F. Weidner	772,549	Oct. 18	2701	593	112	1579
Messages. Apparatus for electrically transmitting and receiving	A. T. M. Johnson	751,294	Feb. 2	973	221	108	1264
Meta-tolylsemicarbazid	J. Calsen	765,164	July 19	2555	223	111	589
Metal articles. Making hollow	E. Polte	756,404	Apr. 5	431	89	109	1435
Metal-bar-cutting apparatus	V. E. Edwards	757,604	Apr. 19	2795	611	109	1971
Metal bar or rod making machine	J. W. Moshier	770,471	Sept. 20	2532	1540	112	604
Metal bars and beams. Attachment for uniting	C. T. Purdy and J. S. Lane	749,222	Jan. 12	1380	295	108	337
Metal bars into sheets. Reducing	T. V. Allis	757,386	Apr. 12	2347	1512	109	1857
Metal bars. Machine for twisting flat	G. Sandblom	777,224	Dec. 13	1495	381	113	1773
Metal bars or beams and structural work. Manufacture of flanged	H. Grey	755,529	Apr. 26	4631	997	109	2395
Metal bars to sheets in pile in a heated state. Apparatus for reducing	T. V. Allis	775,022	Nov. 15	2927	624	113	693
Metal-beating machine	F. W. Grempler	748,722	Jan. 5	315	70.71	108	70
Metal-bender	J. H. Van Derbilt	778,158	Dec. 20	3361	728	113	2184
Metal-bending machine	E. P. Holden	759,217	May 3	1281	257	110	291
Metal billets, &c. Conical rolls for piercing, expanding, or cross-rolling	J. H. Nicholson	765,986	July 26	4172	890	111	948
Metal-boring tool	F. W. Taylor and S. Newbold	748,890	Jan. 5	636	143	108	142
Metal box. Hermetically-sealed	S. Jacoby	773,255	Apr. 26	4081	893	109	2271
Metal can	J. J. Hickman	774,248	Nov. 8	1387	296	113	330
Metal canisters. Apparatus for the manufacture of	W. A. Read	755,242	Mar. 22	3974	881	109	917
Metal, &c. Coin-controlled device for embossing strips of	H. Casler and J. A. Pross	750,432	Jan. 26	3730	1810	108	881
Metal-cutting shears	C. F. Deitrick	753,681	Mar. 1	892	202	109	193
Metal-cutting shears	C. Marxmiller	761,314	May 31	5471	1162	110	1283
Metal-cutting shears. Rotary	L. M. Ham	761,225	May 31	5285	1123	110	1343
Metal-cutting tool. Rotary	W. H. McKenna	764,145	July 5	465	91	111	101
Metal disk wheels. Manufacture of	F. Melan	757,135	Apr. 12	1850	404	109	1753
Metal. Dividing	C. A. Meadows	767,304	Aug. 9	2378	497	111	1585
Metal. Etching	J. B. Davidson	777,278	Dec. 13	1594	354	113	1795
Metal. Expanded	N. E. Clark	767,708	Aug. 16	3333	704	111	1817
Metal-extrusion apparatus	G. E. Heyl-Dia and A. Musker	763,559	June 28	3852	834	110	2338
Metal fabric	P. J. Shrum	759,760	May 10	2366	493	110	551
Metal fabric or matting	F. C. Sparks	760,164	May 17	3182	667	110	750
Metal forging, shaping, or punching press	J. Dodge	772,135	Oct. 11	1853	412	112	1371
Metal from ores. Extraction of	C. H. Webb	763,319	Aug. 23	4460	996	111	2083
Metal grinding or polishing apparatus	L. C. Forwood	749,179	Jan. 12	1282	276	108	314
Metal grinding or polishing machine	E. Venderbush	776,156	Nov. 20	5300	1121	113	1263
Metal-leaf-beating machine	H. E. Grabau	777,626	Dec. 13	2229	503	113	1945
Metal-melting furnace	J. Southern	760,495	May 24	3794	803	110	905
Metal-mold	W. C. Norcross	760,370	Sept. 6	263	61.62	112	57
Metal-planing-machine driving connection	A. W. Whitcomb	773,240	Oct. 25	4245	898	112	1943
Metal-plate-doubling machine	B. H. Doll	754,433	Mar. 15	2461	535	109	572
Metal plates. Device for connecting	G. W. Edwards	760,321	May 17	3460	729	110	812
Metal plates. Producing composite	F. E. Canda	768,264	Aug. 23	4333	915	111	2060
Metal post	G. F. Clingman	754,198	Mar. 8	1926	428	109	441
Metal-press	F. T. Laws, W. C. Smith, and G. J. Gibbs	770,375	Sept. 20	2363	490	112	569
Metal pump. Molten	B. B. Hough	760,991	May 24	4794	1020	110	1119
Metal rings. Making	F. Mossberg	764,862	July 12	1983	408	111	451
Metal rods. Apparatus for removing scale from	E. Boley	777,178	Dec. 13	1411	313	113	1756
Metal rods. Machine for shearing blanks from	J. P. Wennersten	749,415	Jan. 12	1768	374	108	420
Metal roughing and finishing mills. Spring-balance for	W. H. Bailey	770,950	Sept. 27	3476	734	112	834
Metal-shearing device	D. E. Eddleman	766,941	Aug. 9	1683	353	111	1435
Metal-shearing machine	A. Berghof	765,953	July 26	4100	876	111	933
Metal sheets. Machine for separating	G. Grove	757,453	Apr. 19	2478	542	109	1902
Metal sheets. Separating	G. Grove	757,454	Apr. 19	2480	543	109	1902

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Metal slitting and stretching machine.....	J. F. Golding.....	766,181	Aug. 2	48	9	111	1052
Metal strips. Machine for producing crimped or corrugated.....	W. P. Grafton.....	767,883	Aug. 16	3509	742 743 423	111	1853
Metal-surface-grinding machine.....	J. H. Haskins.....	751,791	Feb. 9	1860	424 425	108	1471
Metal surfaces. Transferring and etching designs on.....	O. Palm, Jr., and W. T. Blomberg.....	753,097	Feb. 23	4428	985	108	2078
Metal tank.....	E. E. Norquist.....	769,271	Sept. 6	265	62	112	57
Metal tie.....	C. G. Thompson.....	773,826	Nov. 1	549	120	113	127
Metal-turning device.....	C. Thoma.....	760,497	May 24	3798	805	110	906
Metal-turning machine.....	T. W. R. McCabe.....	753,158	Feb. 23	4532	1010 1011	108	2100
Metal-upsetting machine.....	H. V. Loss.....	760,220	May 17	3279	688 689	110	772
Metal ware. Enameled.....	T. M. Lunan.....	774,679	Nov. 8	2180	993	113	499
Metal-ware-shaping apparatus. Hollow.....	J. Humphrey.....	772,940	Oct. 25	3476	753	112	1766
Metal wheel.....	P. Hanson.....	762,403	June 14	1524	394	110	1788
Metal wheels. Making.....	F. E. Canda.....	751,429	Feb. 2	1198	273	108	1312
Metal wheels. Making.....	G. E. Tuffley.....	777,452	Dec. 13	1932	427	113	1870
Metal wheels. Manufacturing.....	C. Borg.....	773,465	Oct. 25	4701	993	112	2040
Metal-working machine.....	J. C. Potter and J. Johnston.....	752,257	Feb. 16	2772	615	108	1695
Metal-working machine.....	M. C. Johnson.....	766,828	Aug. 9	1456	305 306 307	111	1384
Metal-working-machine traveling carrier.....	S. B. Harding.....	750,444	Jan. 26	4128	985 896	108	962
Metals. Apparatus for indicating the magnetic condition of heating.....	G. W. Sargent.....	777,750	Dec. 20	2516	556	113	2011
Metals. Apparatus for the electrolytic refining of.....	A. Schwarz.....	760,023	May 17	2888	604	110	684
Metals. Apparatus for treating finely-divided material for the recovery of.....	D. C. Boley.....	774,736	Nov. 15	2342	507	113	557
Metals. Apparatus for vacuously depositing.....	T. A. Edison.....	767,216	Aug. 9	2928	464	111	1552
Metals by chemical process. Apparatus for extracting.....	T. B. Joseph.....	758,367	Apr. 26	4316	927	109	2323
Metals from complex ores. Extraction of.....	J. Baxeres de Alzugaray.....	752,320	Feb. 16	2897	108	1727	
Metals from cyanid solutions and regenerating the solutions. Precipitating.....	L. E. Porter.....	778,547	Dec. 27	4133	113	2363	
Metals from ores. Extracting.....	W. E. Greenawalt.....	761,164	May 31	5176	1099	110	1220
Metals from ores or sands. Recovering.....	C. J. and J. H. Jory.....	760,539	May 24	3877	823	110	924
Metals from solutions. Precipitating.....	C. Butters.....	756,211	Apr. 5	34	109	1350	
Metals from solutions. Recovering.....	I. Anderson.....	759,493	May 10	1825	110	443	
Metals from sulfid ores. Separating.....	C. V. Potter.....	776,145	Nov. 29	5378	1115	113	1259
Metals from their crushed ores, &c. Apparatus for separating.....	W. N. Turner.....	759,775	May 10	2399	500 501	110	559
Metals from their ores. Extracting.....	F. H. Long.....	775,405	Nov. 22	3772	798	113	910
Metals from their ores. Separation of.....	J. B. Scammell.....	770,659	Sept. 20	2898	616	112	687
Metals. Obtaining.....	F. von Kugelgen and H. Danneel.....	771,646	Oct. 4	841	189	112	1139
Metals or alloys. Decarburizing.....	F. von Kugelgen and G. O. Seward.....	771,645	Oct. 4	840	112	1139	
Metals. Protecting.....	P. J. Burns.....	756,934	Apr. 12	1435	109	1664	
Metals. Uniting two.....	W. H. Wherry.....	750,511	Jan. 26	3886	843	108	914
Metallic cyanids. Making.....	M. Voigt and A. R. Frank.....	773,953	Nov. 29	4907	1038	113	1173
Metallic fabric.....	E. A. Bediet.....	775,620	Nov. 22	4248	895	113	1014
Metallic formed sheet.....	J. H. Murphy and E. M. Camp.....	748,634	Jan. 5	159	38	108	36
Metallic mat.....	F. P. Wells.....	766,857	Aug. 9	1513	316	111	1396
Metallic mixtures for printers' types, bearings, &c. Preparing.....	C. A. Meadows.....	778,789	Dec. 27	4582	1002	113	2466
Metallic oxids with metallic aluminium. Reducing.....	F. C. Weber.....	778,345	Dec. 27	3740	816	113	2281
Metallic tie.....	E. M. Dolan.....	766,674	Aug. 2	1103	229	111	1287
Metallic tie and rail fastener.....	J. F. Lever.....	757,404	Apr. 12	2286	519	109	1866
Metallic tie and rail fastening.....	H. B. Burke.....	777,493	Dec. 13	2013	445	113	1887
Metallurgical apparatus.....	G. W. Gesner.....	755,867	Mar. 29	5187	1148	109	1201
Metallurgical furnace.....	W. S. Dempsey.....	750,022	Jan. 19	2282	638	108	698
Metallurgical furnace.....	F. Kepp.....	753,712	Mar. 1	956	217	109	206
Metallurgical furnace.....	E. C. Wills.....	759,791	May 10	2438	510	110	568
Metallurgical furnace. Tilting.....	J. A. Potter.....	769,712	Sept. 13	1103	236 237	112	268
Metallurgical process.....	M. P. Boss.....	774,304	Nov. 8	1487	319	113	352
Meter: See Angle-meter. Multiple-rate meter. Current-meter. Scrip-meter. Demand-meter. Telephone-meter. Electric meter. Telephone service-meter. Electricity-meter. Trigonometrical meter. Electrolytic meter. Velocity-meter. Fluid-meter. Water-meter. Gas-meter. Wattmeter. Liquid-meter.							
Meter.....	J. A. Tilden.....	756,299	Apr. 5	214	44	109	1390
Meter.....	R. J. Hoffman.....	756,366	Apr. 5	359	73	109	1420
Meter.....	W. R. Sharp.....	706,335	Aug. 2	803	170	111	1217
Meter.....	A. Fleeger.....	767,328	Aug. 9	2418	507	111	1504
Meter.....	F. P. Cox and W. H. Pratt.....	777,781	Dec. 20	2580	571	113	2024
Meter.....	E. H. Cowan and E. C. Palmer.....	777,844	Dec. 20	2729	601 602	113	2055
Meter-box.....	W. H. Pipe.....	753,126	Feb. 23	4478	997	108	2089
Meter for measuring water or other liquids.....	O. C. Piper.....	753,001	Feb. 23	4249	947	108	2038
Meter-register.....	W. H. Larrabee.....	753,001	May 17	2849	596	110	676
Meter registering mechanism.....	L. H. Nash.....	748,778	Jan. 5	411	94	108	92
Metering system.....	T. Duncan.....	768,934	Aug. 30	5745	1208	111	2391
Methyl chlorid. Apparatus for making.....	M. E. Douane.....	777,406	Dec. 13	1846	407	113	1851
Metronome.....	T. Weissner.....	753,945	Mar. 8	1462	408	109	337
Metronome-regulator.....	J. H. Morrisette.....	760,343	May 17	3496	736	110	820

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Mica or other material to prepare them for adhesive union with each other or with other articles.	C. W. Jefferson.....	764,810	July 12	1871	384 385	111	425
Treating pieces of							
Mica to prepare them for adhesive union with each other or with other articles. Means for treating pieces of	C. W. Jefferson.....	764,811	July 12	1876	385 386	111	426
Micrometer-gage.....	G. H. Reoch.....	765,322	July 19	2845	595	111	632
Micrometer-indicator.....	J. Boulet.....	752,752	Feb. 23	3733	832	108	1922
Microphone.....	P. Germain.....	753,062	Feb. 23	4968	972	108	2065
Microphone.....	E. B. Fahnestock.....	771,135	Sept. 27	3850	811	112	916
Microscope and case therefor. Portable.	C. F. Dieckmann.....	752,889	Feb. 23	4003	896 897	108	1983
Microscope objective-holder.	W. L. Patterson.....	775,934	Nov. 29	4848	1027	113	1159
Microscopes. Fine adjustment for.....	C. F. Dieckmann.....	754,954	Mar. 15	5470	759	109	738
Microscopist's paraffin-bath.....	F. A. Wunderlich.....	750,515	Jan. 26	3898	845	108	916
Microtome.....	E. Bausch and G. Hommel.....	766,135	July 26	4471	958	111	1012
Microtome.....	C. F. Dieckmann.....	775,556	Nov. 22	4114	865 866 124	113	985
Milk and cream separator.....	W. S. Schaeffer.....	771,503	Oct. 4	553	125	112	1076
Milk-bottle holder.....	A. E. Bennett.....	773,366	Oct. 25	4446	952	112	1997
Milk-bottles, &c. Apparatus for cleaning and sterilizing	C. S. Adams and A. J. Rice.....	764,222	July 5	643	130	111	143
Milk-can.....	W. J. Snow.....	748,805	Jan. 5	470	106	108	105
Milk-can.....	H. A. Keiper and E. R. Gilman.....	750,461	Jan. 26	3789	823	108	893
Milk-can.....	J. B. Conover.....	762,884	June 21	2535	550	110	2027
Milk-can.....	H. S. Reynolds.....	773,163	Oct. 25	4087	864	112	1908
Milk-can.....	L. Sturges.....	774,797	Nov. 15	2466	532	113	586
Milk-can fastening and sealing device.	R. S. Schrum.....	768,408	Aug. 22	4654	975	112	2135
Milk-can lid or cover.....	J. J. Snigo.....	775,687	Nov. 22	4385	925	113	1043
Milk. Concentrating and remaking	C. H. and P. T. Campbell.....	771,609	Oct. 4	764	170	112	1122
Milk. Condensing.....	S. R. Kennedy.....	770,909	Sept. 27	3396	716	112	814
Milk-cooler.....	J. and M. Hadaller.....	753,699	Mar. 1	933	211	109	201
Milk cooling and aerating device.....	H. B. Ellsworth.....	763,270	June 21	3271	705	110	2190
Milk. Extracting soluble albumen from.	C. Lewis.....	765,898	July 26	4003	896	111	911
Milk-heater. Centrifugal	C. J. Jeppesen.....	772,617	Oct. 18	2829	621 622	112	1608
Milk-jar cap.....	W. E. Heath.....	756,234	Apr. 5	83	18	109	1360
Milk-jar closure or cap.....	D. P. Moore.....	761,005	May 24	4832	1024	110	1125
Milk-jar-locking device.....	G. Hollé and C. Stevenson.....	750,191	Jan. 19	3283	709	108	761
Milk-pail holder.....	F. L. Shattuck.....	750,312	Jan. 26	3525	761	108	835
Milk powder. Dried.....	J. A. Just.....	764,294	July 5	773	111	111	773
Milk-receptacle.....	E. S. Moore.....	773,960	Nov. 1	856	180	113	197
Milk-receptacle lock.....	W. Goodchild.....	775,397	Nov. 22	3761	735	113	907
Milk-server.....	C. C. Bennett.....	774,552	Nov. 8	1952	423	113	451
Milk. System for intimately mixing	A. Gaulin.....	756,953	Apr. 12	1469	324 325	109	1671
Milk, &c. Treating.....	A. Gaulin.....	753,792	Mar. 1	1146	238 972	109	246
Milk-treating apparatus.....	T. L. F. Stack.....	778,717	Dec. 27	4448	973 974	113	2437
Milk-vat.....	G. H. Simon.....	757,569	Apr. 19	2731	597	109	1956
Milker. Cow.....	F. M. Devore.....	778,227	Dec. 27	3485	766	113	2228
Milking.....	D. T. Sharples.....	766,845	Aug. 9	1492	132	111	1392
Milking apparatus.....	W. H. Lawrence and R. Kennedy.....	756,345	Apr. 8	103	22, 23	109	1364
Milking apparatus.....	A. S. Gerhard.....	762,819	June 14	2398	522	110	1976
Milking-apparatus teat-cup.....	D. T. Sharples.....	766,846	Aug. 9	1495	312	111	1392
Milking device.....	V. O. Johnson.....	775,726	Nov. 22	4453	942	113	1058
Milking-device support.....	F. Ljungström.....	772,421	Oct. 18	2452	537 538	112	1526
Milking-machine.....	J. L. Hulbert and I. L. Park.....	754,453	Mar. 15	2496	543	109	581
Milking-machine. Cow.....	W. S. Howell and W. C. McKenzie.....	777,102	Dec. 13	1277	281	113	1727
Mill:							
See Ball-mill.	Ore-crushing mill.						
Bolting-mill.	Ore-grinding mill.						
Cane-mill.	Ore-pulverizing mill.						
Cider-mill.	Pulverizing-mill.						
Coffee-mill.	Quartz-mill.						
Coffee or spice mill.	Reducing-mill.						
Crushing-mill.	Reduction-mill.						
Crushing and grind-	Rolling-mill.						
ing mill.	Sawmill.						
Crushing or pulver-	Shingle-mill.						
izing mill.	Stamp-mill.						
Fanning-mill.	Stamping-mill.						
Grinding-mill.	Swaging-mill.						
Grist-mill.	Universal mill.						
Levigrating-mill.	Windmill.						
Ore-mill.							
Mill feed-regulator.....	J. Maurice.....	774,684	Nov. 8	2190	478	113	502
Mills, &c. Roller-support for use in	W. Bartlow.....	777,584	Dec. 13	2211	485	113	1930
Milling-cutter.....	T. Eynon.....	777,250	Dec. 13	1542	342	113	1784
Milling-machine.....	G. K. Garvin.....	751,629	Feb. 9	1567	356	108	1410
Milling-machine.....	J. S. Portch.....	756,405	Apr. 5	493	89, 90	109	1435
Milling-machine.....	C. E. Van Norman.....	765,447	July 19	3101	649	111	707
Milling-machine.....	J. Becker.....	776,104	Nov. 29	5199	1098	113	1240
Milling-machine vertical spindle attachment	C. A. Rogers.....	771,499	Oct. 4	547	123	112	1074
Milling-machines. Means for mounting worm-gearing in	R. K. Le Blond and W. F. Groene.....	772,894	Oct. 18	3376	734	112	1725
Milling-cool. Adjustable hollow	A. Elmiger.....	759,425	May 10	1732	350	110	412
Millstone.....	C. P. Anderson.....	773,363	Oct. 25	4492	951	112	1996
Millstone-dress.....	L. B. Woolver.....	778,619	Dec. 27	4270	934	113	2398
Millstones. Cleaning.....	J. A. Henkel.....	755,132	Mar. 22	3767	828	109	1435
Mine-curtain.....	R. J. Good and G. E. Hall.....	769,215	Sept. 6	144	35, 36	112	32
Mine-curtain raiser.....	C. J. Diebold.....	756,598	Apr. 5	775	169	109	1506

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Mine-door	A. H. Lewis	756,863	Apr. 12	1290	288	109	1635
Mine-door opening or closing apparatus	F. Hutter	765,282	July 19	2759	576	111	634
Mine-drill	J. B. Royer	761,408	May 31	5647	1202	110	1324
Mine-drill	G. G. Lewis	770,376	Sept. 20	2365	499	112	569
Mine-gate	J. P. Cowing	768,653	Aug. 30	5179	1089	111	2264
Mine-gate	N. K. Bowman	777,835	Dec. 20	2709	596	113	2050
Mine-hauls. Safety device for cable	A. Palmros	776,083	Nov. 29	5162	1090	113	1322
Mine-shaft door	J. Wineland	754,268	Mar. 8	2068	458	109	470
Mine-shaft safety device	N. W. Dickerson	774,655	Nov. 8	2134	467	113	489
Mine-ties. Chamfering-machine for making	T. B. Price	764,820	July 12	1903	390	111	432
Mine-timber	D. W. Brunton	759,418	May 10	1732	348	110	410
Mine-track system	J. Whitehead	770,882	Sept. 27	3344	706	112	804
Mine trap-door	J. Wack	763,703	June 25	4130	900	110	2396
Mine trap-door and operating mechanism therefor	A. T. Flint and I. Whitney	762,696	June 14	2146	467	110	1923
Mine-ventilation system and apparatus	W. Clifford	752,955	Feb. 23	4169	929	108	2020
Mine-ventilator	G. Himrod	773,936	Nov. 1	815	171	113	187
Mines. Construction of frozen walls for shafts in	K. Schmidt	768,774	Aug. 30	5412	740	111	2316
Mines or tunnels. Electrically-controlled trap-door for	J. Krzyzanowski and S. Wysocki	772,661	Oct. 18	3911	639	112	1625
Miner's drill	W. D. Cox	755,458	Mar. 22	4379	970	109	1003
Miners' pick-blades, &c. File or carrier for	J. Beeton and J. Wardall	756,093	Mar. 29	5616	1239	109	1294
Miner's squib	E. C. Owens	774,299	Nov. 8	1432	304	113	337
Miner's tool	A. V. Des Moines	753,048	Feb. 23	4343	838	108	2019
Mining and excavating apparatus	C. H. Thompson	763,030	June 21	2796	607	110	2034
Mining. Apparatus for laying the dust or pulverized rock in	T. J. Britten	766,165	Aug. 2	17	3, 4	111	1046
Mining automatic bumper. Coal-	F. Osha	768,681	Aug. 30	5241	1102	111	2276
Mining column	R. T. Wobroski	770,381	Feb. 23	4277	182	113	1611
Mining drill. Coal or rock	A. Walker	752,490	Feb. 16	3212	717	108	1789
Mining fine material. Hydraulic flume for	G. W. Wilderman	771,792	Oct. 4	1129	251	112	1200
Mining-hoist safety appliance	J. Lewis	748,962	Jan. 5	788	170	108	179
Mining. Hydraulic gold-	F. J. Hoyt	749,197	Jan. 12	1320	233	108	324
Mining-machine.	H. B. Dierdorff	751,478	Feb. 9	1284	293	108	1349
Mining-machine.	J. A. Jeffrey	751,919	Feb. 9	2124	478	108	1531
Mining-machine.	E. P. Rauscher	752,180	Feb. 16	2606	573	108	1655
Mining-machine.	A. V. Sessions and G. B. Norris	760,575	May 24	3951	838	110	940
Mining-machine.	F. M. Lechner	765,317	July 19	2931	591	111	649
Mining-machine.	W. E. Hamilton	770,285	Sept. 20	2198	458	112	530
Mining-machine.	W. E. Hamilton	770,286	Sept. 20	2202	459	112	531
Mining-machine.	W. O. Wood and J. H. Miller	773,310	Oct. 25	4376	465	112	1971
Mining-machine bit. Coal-	R. McKinney	753,203	Feb. 23	4617	1029	108	2121
Mining machine. Coal-	W. Foglesong	755,291	Mar. 22	4057	900	109	935
Mining machine. Coal-	J. F. Joy	772,152	Oct. 11	1898	420	112	1381
Mining-machine engine	J. Heenan	758,333	Apr. 26	4640	990	109	2337
Mining-machine jack	M. Raines	770,697	Sept. 20	2741	593	112	663
Mining machine. Placer-	N. W. Pulsifer	769,489	Sept. 6	698	150	112	159
Mining-machine water-recovering appliance. Placer-	S. B. Wise	765,802	July 26	3838	817	111	574
Mining machinery	E. S. Bennett	769,461	Sept. 6	643	138	112	147
Mining-machinery dipper	E. S. Bennett	776,105	Nov. 29	5301	1099	113	1240
Mining purposes. Hydraulic press for	A. J. and J. Tonge, Jr., and E. Eaves	756,738	Apr. 5	1046	223	109	1567
Mining-squib	J. R. Powell	766,062	Dec. 26	4313	924	111	978
Mineral or aerated waters. Apparatus for the manufacture of	J. T. R. de Morley	778,260	July 27	3566	781	113	2245
Mineral or ore washing jig	C. J. Hodge	771,909	Oct. 11	1379	813	112	1267
Mineral-separator.	H. L. Orr	758,464	Apr. 26	4498	966	109	2864
Mineral substances by means of the selective action of oil. Separation of	C. Kendall	771,075	Sept. 27	3730	736	112	888
Minerals by means of oil. Apparatus for the concentration of	J. W. Van Meter and M. P. Boss	762,774	June 14	2300	502	110	1954
Minerals. Separation of.	G. A. Goyder and E. Laughton	763,749	June 28	4216	919	110	2416
Mirror	F. Jaeger	751,330	Feb. 2	963	220	108	1263
Mirror	F. Jaeger	751,291	Feb. 2	966	220	108	1262
Mirror	L. B. Prahar	758,382	Apr. 26	4341	932	109	2328
Mirror	M. T. Goldsmith	760,981	May 24	4776	1016	110	1116
Mirror	W. F. Obermiller	765,873	July 26	3957	845	111	901
Mirror and support therefor	J. H. Huxthill	760,478	May 24	3756	735	110	896
Mirror-frame.	L. B. Prahar	770,106	Sept. 13	1821	384	112	427
Mirror-hanging device	J. P. Eustis	775,003	Nov. 15	2982	615	113	681
Mirror-lock	A. E. Huguley	760,739	May 24	4310	915	110	1016
Mirror or other toilet article. Hand-	J. C. Dowd	753,476	Mar. 1	474	111	109	103
Mirror-support	A. W. Mann	751,526	Feb. 9	1362	311	108	1367
Mirror-support	J. M. Conroy	752,958	Feb. 23	4175	930	108	2021
Mirror-support	F. Mankey	753,896	Mar. 8	1361	307	109	314
Mirror-support	J. H. Huxthill	755,668	Mar. 29	4767	1061	109	1104
Mirrors and laryngoscopes. Illuminant attachment for head-	A. F. Watch	769,420	Sept. 6	555	121	112	125
Mirrors, pictures, &c., in metallic frames. Means for mounting	J. P. Eustis	753,967	Mar. 8	1512	337	109	349
Miter and saw-guide. Hand-	H. S. Dotts	778,178	Dec. 20	3405	748	113	2191
Miter-box	J. A. Traut	749,242	Mar. 12	1407	322	108	343
Miter-box	M. L. Bushee	751,255	Feb. 2	907	207	108	1230
Miter-box	H. E. Goodell	751,908	Feb. 9	2099	474	108	1536
Miter-box	L. P. Nichols	752,406	Feb. 16	3064	680	108	1757

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Miter-box	S. D. Hoy	752,978	Feb. 23	4213	698	108	2030
Miter-box	J. A. Traut	751,624	Mar. 15	2829	617	109	651
Miter-box	J. A. Traut	751,625	Mar. 15	2830	617	109	651
Miter-box	C. A. Anderson	757,538	Apr. 19	2667	584	109	1942
Miter-box	D. F. Updegraff	759,647	May 10	2161	444	110	506
Miter-box	J. W. Beaman	760,053	May 17	2946	614	110	698
Miter-box	J. J. Marrs	760,892	May 24	4594	615	110	1078
Miter-box	W. H. Gordon	760,982	May 24	4777	1016	110	1116
Miter-box	F. H. Richards	766,795	Aug. 2	1967	286	111	1346
Miter-box	F. H. Richards	766,799	Aug. 2	1380	288	111	1349
Miter-box	R. F. Folk and D. O. Teats	768,361	Aug. 23	4533	954	111	2099
Miter-box	S. D. Hoy	768,457	Aug. 23	4749	996	111	2153
Miter-box	R. H. Dorn	769,307	Sept. 6	350	79, 80	112	75
Miter-box	J. A. Traut	770,894	Sept. 27	3238	686	112	784
Miter-box	J. W. Schatz	771,668	Oct. 4	884	199	112	1148
Miter-box	M. Nicholls	778,701	Dec. 27	4416	967	113	2430
Miter-box, adjustable	S. C. Burris	761,817	June 7	415	85	110	1531
Miter-box frame	F. H. Richards	766,794	Aug. 2	1362	285	111	1344
Miter-cutting machine	R. Dunne	752,050	Feb. 16	2378	532	108	1604
Miter-cutting machine	C. W. Dake	761,361	May 31	5569	1186	110	1307
Miter-cutting-machine arm adjustment	R. Wales	752,730	Feb. 23	3098	825	108	1915
Miter-joints. Cutting material for forming	R. Dunne	778,642	Dec. 27	4331	946	113	2412
Mitering and joining machine	J. B. Saunders, Jr	759,023	May 3	867	177	110	199
Mixer:							
See Bread-mixer.	Gas-mixer.						
Concrete-mixer.	Mortar-mixer.						
Fluid-mixer.	Oil-mixer.						
Mixer	J. F. Gandolfo	758,746	May 3	340	67, 68	110	83
Mixer	F. A. Hetherington	770,855	Sept. 27	3891	694	112	791
Mixer	W. J. Judd	775,242	Nov. 15	3425	722	113	813
Mixer	G. Thom	775,710	Nov. 22	4430	936	113	1052
Mixing and cleaning machine. Convertible	J. W. Stacey	764,157	July 5	488	96, 97	111	106
Mixing and kneading machine.	E. W. Osburn	733,621	Mar. 1	796	170	109	166
Mixing machine.	L. A. Roberts	756,144	Mar. 29	5704	1259	109	1313
Mixing machine.	C. E. and C. T. Foote	749,962	Jan. 19	2860	611	108	672
Mixing machine.	W. G. Richardson	757,144	Apr. 12	1862	407	109	1756
Mixing machine.	E. L. Ransome	761,541	May 31	5872	1259	110	1374
Mixing machine.	E. L. Ransome	770,477	Sept. 20	2548	543	112	608
Mixing machine.	R. N. Cunningham and J. W. McPherson	772,697	Oct. 18	2991	656	112	1642
Mixing machine.	G. M. Andersson and A. G. Ahlstrom.	776,449	Nov. 29	5860	1238	113	1393
Mixing-mill. Rotary	A. and A. Simon	777,757	Dec. 20	2529	559	113	2014
Moistener. Envelop.	E. Ward	771,888	Oct. 11	1337	308	112	1259
Moistener. Envelop, &c.	W. Holt	775,290	Nov. 22	3543	747	113	857
Moistener for gummed surfaces.	T. M. Losie	763,296	June 21	3318	718	110	2200
Moistener for gummed surfaces.	J. D. Browne	774,558	Nov. 8	1962	428	112	453
Moistener. Postage-stamp or envelop	W. J. Fritz	771,735	Oct. 4	996	223	112	1172
Moistening and sealing device for envelopes, &c.	L. Fritz and W. W. Dryden	754,988	Mar. 22	3528	772	109	821
Moistening and sealing device for envelopes, &c.	A. Hess	756,635	Apr. 5	836	181	109	1519
Moistening, laying, and binding gummed paper.	B. Simpson	776,950	Dec. 6	982	211	113	1643
Moistening machine. Gummed-strip.	J. E. Colvin	759,675	May 10	2308	454	110	516
Moistening pad. Finger-	A. R. Hirt	772,039	Oct. 11	1658	371	112	1329
Moisture-proof case or receptacle	J. S. Peck and A. L. Zwarnik	758,684	May 3	153	33	110	87
Mold:							
See Baking-mold.	Expanding mold.						
Battery-plate mold.	Glass-mold.						
Block-mold.	Ingot-mold.						
Brick-mold.	Lacing-hook mold.						
Brick-machine mold.	Lantern-globe mold.						
Brick or stone mold.	Metal-mold.						
Building-block mold.	Nut, &c. mold.						
Butter-mold.	Pipe-mold.						
Cement-block mold.	Plastic mold.						
Cement-block mold.	Post-mold.						
Cheese-mold.	Rotary mold.						
Concrete-block mold.	Sewer, &c. mold.						
Concrete-block mold.	Soap-mold.						
Concrete-structure mold.	Stone-mold.						
Concrete-structure mold.	Tire-mold.						
Concrete-structure mold.	Tobacco-making mold.						
Concrete-wall mold.	Type-mold.						
Concrete-wall mold.	Wall-mold.						
Mold.	J. F. Spencer	748,996	Jan. 5	864	185	108	201
Mold.	E. Campbell	760,681	May 24	4179	888	110	988
Mold.	M. T. Stevens	763,333	June 21	3390	735	110	2214
Mold.	H. N. Jasper, Sr	764,193	July 5	578	114	111	128
Mold.	J. M. Oze	767,829	Aug. 16	3410	719	111	1831
Mold.	F. F. Cole	768,424	Aug. 23	4695	983	111	2142
Mold.	A. Schoellhorn and H. S. Albrecht	770,189	Sept. 13	1977	420	112	461
Mold.	C. N. L. Brudewold and J. M. Wood.	772,497	Oct. 18	2812	575	112	1560
Mold.	O. A. Stempel	772,845	Oct. 18	3275	715	112	1704
Mold-drying apparatus	C. W. Fraser	773,683	Nov. 1	991	65	113	60
Molds. Apparatus for producing sand or other	J. W. Fraser	766,683	Aug. 2	1126	234	111	1291
Molds. Skim-gate for	A. Ladwig	772,720	Oct. 18	3040	666	112	1653
Molder's box	W. J. Wood	777,994	Dec. 20	3037	672	113	2118

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr & g.	Vol.	Page.
Molder's flask	W. Lotz, Jr., C. Wismeyer, C. S. Hammer, F. Thoma, and H. A. Rentschler.	749,696	Jan. 12	2327	491	108	540
Molder's flask	M. A. Clapp	753,471	Mar. 1	467	110	109	102
Molder's flask	C. Phelps	760,016	May 17	2874	602	110	682
Molder's flask and gated pattern	H. G. Voight	750,559	Jan. 26	3994	864	108	933
Molder's flask-support	J. C. Bradley	765,332	July 19	2869	599	111	657
Molder's flask-turning device.	J. Magee and I. W. Winchester	773,211	Oct. 25	4193	886	112	1931
Molding	F. E. Maine	769,807	Sept. 13	1396	298	113	334
Molding apparatus.	J. Anderson	753,951	Mar. 8	1477	332	109	341
Molding apparatus.	R. A. Penrose	754,495	Mar. 15	2592	563	109	602
Molding apparatus.	P. Largie	755,574	Mar. 22	4574	1018	109	1046
Molding apparatus.	J. W. Campbell	761,201	May 31	5230	1111	110	1232
Molding apparatus.	G. D. and D. G. Rowell	761,255	May 31	5343	1135	110	1256
Molding apparatus.	J. E. Price	770,536	Sept. 20	2664	564	112	634
Molding apparatus.	C. P. Melvin	775,374	Nov. 22	3707	787	113	893
Molding apparatus. Power-actuated.	J. G. Johnston	752,780	Feb. 23	3780	844	108	933
Molding-apparatus vibrator	F. W. Hall	750,641	Jan. 26	4122	894	108	961
Molding-apparatus vibrator	W. R. Swift	776,036	Nov. 29	5076	1072	113	1213
Molding appliance	E. E. Swink	771,508	Oct. 4	572	128	112	1080
Molding-bit.	H. R. Miles	768,234	Aug. 23	4397	904	111	2047
Molding-cope	W. C. Norcross	752,737	Feb. 23	3319	857	108	1942
Molding-flask	W. Marshall	773,955	Nov. 1	849	178	113	195
Molding-machine.	C. D. Marsh	750,552	Jan. 26	3983	861	109	931
Molding-machine.	J. J. Turner and J. A. Dowler	752,484	Feb. 16	3201	714	108	1787
Molding-machine	R. E. Davis	756,102	Mar. 29	5644	1246	109	1300
Molding-machine	F. W. Hall	758,313	Apr. 26	4212	906	109	2302
Molding-machine	F. W. Hall	761,224	May 31	5280	1122	110	1242
Molding-machine	H. G. Voight	762,365	June 14	1453	315	110	1773
Molding-machine	F. F. Wilson	765,350	July 19	2908	816	111	666
Molding-machine	G. W. Packer	768,071	Aug. 23	3937	825	111	1969
Molding-machine	J. Reid, Jr.	770,243	Sept. 13	2085	439	112	485
Molding-machine	F. W. Hudson	772,042	Oct. 11	1666	372	112	1380
Molding-machine	W. H. Schorling	773,768	Nov. 1	443	98	113	104
Molding-machine	F. W. Hall	775,530	Nov. 22	4028	859	113	906
Molding-machine	E. L. Stevenson	777,445	Dec. 18	1919	424	113	1867
Molding-machine	E. Pipher	778,329	Dec. 27	3698	807	113	2273
Molding-machine. Centrifugal	J. C. F. Lafeuille	775,371	Nov. 22	3702	786	113	893
Molding-machine. Rotary	J. W. Sanderson	768,151	Aug. 23	4135	870	111	2013
Molding or briquetting. Apparatus for preparing pulverulent materials for	E. B. A. and R. A. Zwoyer	751,133	Feb. 2	642	148	108	1197
Molding or briquetting. Preparing pulverulent materials for	E. B. A. and R. A. Zwoyer	751,134	Feb. 2	644	149	108	1197
Molding-press, mold-drier, and vulcanizer. Combined	R. H. Smith	751,759	Feb. 9	1800	410	108	1458
Molding-receptacle	A. E. Doscher	771,300	Oct. 4	155	35	112	994
Molding sizing and varnishing machine	A. Sowinski	778,555	Dec. 27	4148	903	113	2370
Molten baths. Drawing articles from	C. P. Byrnes	750,253	Jan. 26	3401	736	108	805
Money-pouch.	H. Harms	774,584	Nov. 8	2013	439	113	463
Monkey-wrench	N. D. Fairchild	748,938	Jan. 5	746	162	108	170
Monkey-wrench	E. F. Howard	753,396	Mar. 1	324	73	109	73
Monkey-wrench	E. A. Renouf	753,837	Mar. 8	1247	281	109	290
Monkey-wrench	C. L. Verac	754,084	July 5	351	68	111	77
Monkey-wrench	J. Doyle	766,939	Aug. 9	1681	352	111	1435
Monkey-wrench.	L. H. Schepman	773,229	Oct. 25	4224	894	112	1939
Monkey-wrench. Quick-acting	J. Heil	757,851	Feb. 9	1993	452	108	1301
Monobenzoyl arbutin. Making	C. Vilmar	757,370	Apr. 12	2312	871	109	1332
Monochloro alpha-naphthol and making same	K. Elbel	778,477	Dec. 27	4015	831	113	2341
Monorail traction	C. E. Faroux	774,058	Nov. 1	1044	223	113	236
Monorailway and truck therefor	L. Beecher	750,247	Jan. 26	3430	734	108	804
Monument picture-holder	G. P. Neal	766,838	Aug. 9	1480	310	111	1330
Mop	T. W. Davies	762,515	June 14	1767	377	110	1841
Mop and mop-wringer. Combined	C. E. Shaw	768,776	Aug. 30	5416	1141	111	2316
Mop and wringer. Combined	E. Hilker	752,670	Feb. 23	3606	803	108	1894
Mop and wringer. Combined	H. H. Freer and C. H. Linabury	758,753	May 3	351	70	110	86
Mop and wringer. Combined	T. G. Amsden	776,981	Dec. 6	1036	223	113	1037
Mop-head	C. Morgan	776,751	Dec. 6	577	126	113	1554
Mop-head and implement-clamp.	S. C. Lawlor	772,524	Oct. 18	2657	584	112	1570
Mop-holder	C. Morgan	776,940	Jan. 19	2825	603	108	665
Mop-holder	G. H. Crumb	756,100	Mar. 29	5640	1245	109	1290
Mop or brush holder	J. C. Look	756,385	Apr. 5	396	81	109	1428
Mop or wiper	H. O. Thomas	775,403	Nov. 22	3904	824	113	939
Mop-wringer	C. S. Fowler and F. C. Wetzler	750,354	Jan. 26	3595	779	108	852

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Mop-wringer	C. E. Hill	754,870	Mar. 15	3310	721	109	758
Mop-wringer	J. A. Hoyt	755,778	Mar. 29	5016	1115	109	1160
Mop-wringer	E. Prescott	762,252	June 7	1209	260	110	1702
Mordant. Stearamid	A. Muller-Jacobs	767,114	Aug. 9	2025	.....	111	1510
Mordanting	A. Muller-Jacobs	769,954	Sept. 13	1555	.....	112	368
Mortar holding and discharging device	F. C. Ferris	750,857	Feb. 2	119	25	108	1082
Mortar-mixer	R. Bodlaender	751,808	Feb. 9	2077	469	108	1521
Mortising chain cutter. Portable	G. A. D'Ispe	754,753	Mar. 15	3082	673	109	708
Mortising device	C. W. Wagner	761,861	June 7	502	101	110	1551
Mortising-machine	G. A. Ensigen	766,607	Aug. 2	959	301	111	1254
Mortising-machine	H. S. Spencer	767,504	Aug. 16	2788	582	111	1695
Mortising-machine	D. W. Cole	775,745	Nov. 22	4488	951	113	1065
Mortising-machine. Hand	J. J., Jr., T., and G. E. Bradbury	777,659	Dec. 20	2361	519	113	1976
Mortising-machine. Hinge	J. A. Mackenzie	768,058	Aug. 23	3906	820	111	1160
Mortising-machine. Hinge	J. W. Carson	770,261	Sept. 20	2123	447	112	511
Mortising-machine. Hollow-chisel	H. S. Spencer	756,725	Apr. 5	1019	226	109	1559
Mosaic	W. Mainzer	769,704	Sept. 13	1085	232	112	264
Mosquito-canopy	O. L. Henderson	775,972	Nov. 29	4959	1046	113	1185
Moth and insect trap	H. G. Nida	772,429	Oct. 18	2466	540	112	1530
Moth-extermiator	H. H. Kennedy	766,700	Aug. 2	1154	240	111	1297
Motion, and vice versa. Mechanism for converting reciprocating into rotary	C. Tuckfield	755,416	Mar. 22	4302	951	109	989
Motion-converting device	E. S. Morton	765,783	July 26	3807	811	111	868
Motion. Device for converting	E. C. Northrup	768,138	Aug. 23	4114	865	111	2008
Motion. Device for imparting combined rotary and reciprocating	J. Thomson	762,958	June 21	2981	580	110	8059
Motion. Device for the conversion of	B. J. C. Howe	761,173	May 31	5187	1102	110	1223
Motion. Device for varying reciprocating	C. F. Goddard, Jr	759,265	May 10	1411	282	110	343
Motion. Dobby head	R. Orompton	771,462	Oct. 4	477	108	112	1060
Motion feed-lubricator	C. P. West	762,967	June 21	2993	583	110	2062
Motion. Machine for imparting rotary	S. C. Bond	762,126	June 7	976	202	110	1648
Motion. Means for converting reciprocating into rotary	W. B. May	756,388	Apr. 5	399	82	109	1429
Motion. Mechanism for changing rotary into reciprocating	E. Rivett	774,496	Nov. 8	1842	399	113	429
Motion-transmitter	V. J. Dolechek	749,039	Jan. 5	978	206	108	228
Motion-transmitter	A. Monski	765,029	July 12	2290	477	111	516
Motion-transmitter	E. J. Christie	776,455	Nov. 29	5873	1240	113	1395
Motion-transmitter	E. J. Christie	777,663	Dec. 20	2368	520	113	1978
Motion-transmitting mechanism	T. J. Kehoe	773,751	Nov. 1	415	91	113	96
Motive-power apparatus	J. C. Lake	770,463	Sept. 20	2523	537	112	603
Motive power. Generating	A. Schütt	750,493	Jan. 26	3846	835	108	906
Motive power. Generation of	A. Schütt	750,494	Jan. 26	3847	835	108	906
Motor:							
See Air-motor.	Multiple motor.						
Air-current motor.	Oscillating motor.						
Asynchronous motor.	Pneumatic motor.						
Combustion-motor.	Railway-motor.						
Current motor.	Reciprocating motor.						
Current induction-motor.	Rotary motor.						
Electric motor.	Rotative motor.						
Explosion-motor.	Sewing-machine motor.						
Explosive-motor.	Shunt-motor.						
Fan-motor.	Spiral motor. ¹						
Fluid-motor.	Spring-motor.						
Fluid-operated motor.	Thermal motor.						
Fluid-pressure motor.	Tide and wave motor.						
Gasoline-motor.	Tool-motor.						
Hydraulic motor.	Traction-motor.						
Hydrocarbon-motor.	Turbine-motor.						
Impact-motor.	Variable-speed motor.						
Induction-motor.	Vehicle-motor.						
Internal-combustion motor.	Washing-machine motor.						
Mechanical motor.	Water-motor.						
	Water-power motor						
	Wave-motor.						
	Weight-motor.						
	Wind-motor.						
	Wind or water motor.						
Motor	B. J. Delzeit	750,098	Jan. 19	3120	671	108	728
Motor	R. W. Funk	751,980	Feb. 9	2269	508	108	1562
Motor	L. H. Spencer	753,644	Mar. 1	807	180	109	176
Motor	T. Barrow	755,733	Mar. 29	4912	1094	109	1138
Motor	J. T. McGrath	757,485	Apr. 19	2550	560	109	1916
Motor	C. Vinson	758,226	Apr. 26	4013	870	100	2256
Motor	C. McArthur	761,531	May 31	5851	1255	110	1370
Motor	W. M. Fulton	764,572	July 12	1387	283	111	319
Motor	M. Alger	766,410	Aug. 2	534	112	111	1157
Motor	E. S. Pillsbury and E. Bretsch	770,922	Sept. 27	3416	721	112	819
Motor	W. Blackburn	771,536	Oct. 4	615	136	112	1090
Motor	W. P. Clifford	771,534	Oct. 4	630	141	112	1093
Motor	M. R. Conway	774,867	Nov. 15	2618	561	113	619
Motor	F. Strattnr	776,096	Nov. 29	5189	1096	113	1293
Motor and pump	P. K. Wood	767,028	Aug. 9	1832	385	111	1468
Motor case and gear	L. S. Pfouts	775,311	Nov. 22	3569	752	113	862
Motor-casing	G. E. Jacobson and C. Anderson	774,077	Nov. 1	1079	231	113	244
Motor-compressors. Knockdown inclosure for	W. H. Nightingale	769,563	Sept. 6	827	176	112	187

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Motor control	S. T. Dodd	749,272	Jan. 12	1484	316	108	357
Motor control	J. D. Ihlder	767,691	Aug. 16	3140	317	111	1772
Motor control	J. D. Ihlder	767,692	Aug. 16	3143	656	111	1773
Motor control. Alternating-current	G. Winter, F. Eichberg, and J. Alexander.	766,309	Aug. 2	346	72, 73	111	1117
Motor control. Alternating-current	G. Winter, F. Eichberg, and J. Alexander.	766,310	Aug. 2	348	73	111	1117
Motor control. Alternating-current	M. Milch	767,761	Aug. 16	3235	655	111	1800
Motor control. Pneumatic system for	F. B. Corey	767,046	June 21	2832	615	110	2093
Motor-control system	F. L. Butler	757,019	Apr. 12	1616	351	109	1701
Motor-control system	G. H. Hill	762,409	June 14	1535	337	110	1730
Motor-control system	F. B. Corey	763,047	June 21	2843	336	110	2095
Motor-control system	C. L. Perry	763,071	June 21	2835	623	110	2104
Motor-control system	J. B. Linn	764,480	July 5	1162	237	111	256
Motor-control system	C. E. Eastwood	756,104	July 26	4408	943	111	999
Motor-control system	C. E. Barry	770,738	Sept. 12	1730	362	112	462
Motor-controller	F. V. Nicholls	778,825	Dec. 27	4657	1018	113	2484
Motor-controller	F. V. Nicholls	751,547	Feb. 9	1403	321	108	1376
Motor-controller	H. H. Cutler	765,460	July 19	3135	657	111	712
Motor-controller. Automatic	G. H. Whittingham	764,649	July 12	1555	604	111	356
Motor-controlling system	A. C. Eastwood	770,631	Sept. 20	2842	605	112	674
Motor-engine	J. D. Wheeler	763,133	June 21	2999	647	110	2129
Motor-fluid generator	R. Berg	751,973	Feb. 9	2253	505	108	1558
Motor fluids. Generating	R. Berg	751,972	Feb. 9	2250	503	108	1558
Motor-frame	T. C. Dunlap	775,446	Nov. 22	3860	816	113	929
Motor-gear	J. Havli	759,609	May 10	2082	436	110	488
Motor-gearing. Frictional	E. W. Wickey	773,615	Nov. 17	4730	34	113	99
Motor-generator	G. F. Price	768,738	Aug. 30	5353	1127	111	2362
Motor-generator sets. Means for controlling the division of load between synchronous	J. E. Woodbridge	764,407	July 5	1019	207	111	227
Motor mixing and vaporizing device	J. E. Bean, (by judicial change of name now E. B. Parkhurst.)	761,193	May 31	5215	1108	110	1229
Motor or engine regulating device	F. Reichenbach	771,497	Oct. 4	544	122	112	1073
Motor-regulator. Automatic	H. S. Meyer	762,738	June 14	2231	484	110	1399
Motor-sparking plug	J. S. Foley	749,045	Jan. 5	990	210	108	230
Motor-starter	W. Baxter, Jr	750,150	May 3	1105	224	110	251
Motor-starter	E. R. Carichoff	777,839	Dec. 20	2721	599	113	2053
Motor starting box	J. F. Tracy	770,465	Sept. 20	2413	519	112	580
Motor starting device. Alternating-current induction	H. S. Meyer	769,098	Aug. 30	6072	1369	111	2463
Motor starting device. Explosion	C. R. B. Kestley	768,374	Aug. 23	4564	950	111	2107
Motor starting device. Induction	H. G. Reist and A. W. Henshaw	755,793	Mar. 29	5041	1120	109	1165
Motor suspension	W. G. Price	761,540	May 31	5370	1258	110	1374
Motor vaporizer. Hydrocarbon	A. Wassmann	775,321	Nov. 22	3550	759	113	868
Motor water-cooling system. Explosion	H. Austin	760,582	Sept. 6	854	184	112	193
Motors. Controlling induction	A. P. Zani	755,829	Mar. 29	5109	1132	109	1183
Motors. Controlling means for explosion	W. J. Lloyd	752,627	Feb. 16	3502	777	108	1854
Motors. Cooling	J. T. Cappell	773,245	Feb. 25	4253	899	112	1945
Motors. Feed-controlling mechanism for hydrocarbon	W. W. Tuck and A. Wassmann	750,912	Oct. 2	250	56, 57	108	1113
Motors. Friction device for impulse	W. J. B. Smith	755,952	Mar. 29	5364	1184	109	1239
Motors. Heat-radiating device for internal-combustion	H. J. Muntz	778,425	Dec. 27	3906	850	113	2318
Motors. Limiting the speed of constant-current series	M. Leblanc	768,468	Aug. 23	4771	1000	111	2158
Motors. Means for controlling governor	G. Wright	751,598	Feb. 9	1508	243	108	1308
Motors. System of equilibrium for	A. C. Krebs	773,737	Dec. 27	4122	898	113	2365
Mount for thin, fragile articles	W. D. and R. W. Denton	764,273	July 5	731	149	111	162
Mounting-machine	W. J. White and N. M. Watson	772,853	Oct. 18	3290	718	112	1708
Mountain-climber. Reversible	T. L. Ray	751,577	Mar. 15	2747	938	109	633
Mouse-trap	T. L. Ray	754,891	Mar. 15	3347	731	109	705
Mouthpiece hygienic appliance	H. L. Cutler	771,128	Sept. 27	3830	809	112	912
Movement-cure apparatus	C. Owens	752,252	Feb. 16	2761	612	108	1693
Movements from a distance. Means for controlling	M. R. Hanna	767,751	Aug. 16	3235	682	111	1795
Moving platform	A. Francovich	766,107	July 26	4446	945	111	999
Mower	G. J. Patton and S. A. Marsteller	755,833	Mar. 22	4498	1000	109	1030
Mower	H. B. Sperry	767,359	Aug. 9	2480	518	111	1607
Mower	I. A. Barberg	767,393	Sept. 27	3036	646	112	735
Mower attachment. Lawn	E. G. Johnson	758,080	Apr. 26	3742	813	109	2196
Mower attachment. Lawn	W. H. Ogden	760,731	May 24	4232	919	110	1021
Mower-bar	A. C. Rioux	752,108	Feb. 16	2481	554	108	1637
Mower bunching attachment	E. A. Johnston	770,860	Sept. 27	3299	696	112	793
Mower divider attachment	H. M. Schliesser	776,693	Dec. 6	455	101	113	1388
Mower divider-shoes. Swath-board for	L. M. Jones, C. McLeod, and W. G. Hunt.	777,731	Dec. 20	2483	547	113	2004
Mower folding reel-support	E. A. Johnston	763,902	June 28	4510	984	110	2477
Mower. Lawn	O. R. Chaplin	751,378	Feb. 2	1118	223	108	1295
Mower. Lawn	C. E. Foster	751,844	Feb. 9	1976	449	108	1497
Mower. Lawn	C. E. Foster	752,665	Feb. 23	3579	797	108	1888

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Mower. Lawn.....	E. W. Sayre.....	737,353	Apr. 12	2381	498	109	1845
Mower. Lawn.....	H. W. Leavitt.....	750,055	May 24	495	393	110	994
Mower. Lawn.....	W. H. H. Heydrick.....	763,168	June 7	1052	221	110	1667
Mower. Lawn.....	W. P. Anthony.....	762,975	June 21	2700	585	110	2064
Mower. Lawn.....	J. L. Sullivan.....	763,125	June 21	2986	645	110	2126
Mower. Lawn.....	O. R. Chaplin.....	755,126	July 12	2475	517	111	554
Mower. Lawn.....	C. L. Wilcox.....	773,359	Oct. 25	4485	950	112	1994
Mower. Motor lawn.....	I. H. Davis.....	750,616	Jan. 26	4088	885	108	953
Mower or reaper finger-bar attachment.....	C. J. Hirsch.....	761,488	May 31	5777	1234	110	1354
Mower sprinkling attachment.....	H. Sorensen.....	774,284	Nov. 8	1453	311	113	844
Mower tillage attachment.....	H. B. Sperry.....	756,909	Aug. 9	1616	339	111	1419
Mowing and harvesting machine.....	F. X. Sammer.....	773,989	Nov. 1	920	191	113	209
Mowing and harvesting machine cutter mechanism.....	J. W. Crates.....	770,892	Sept. 27	3360	709	112	806
Mowing-machine.....	E. Chainey.....	750,808	Feb. 2	42	9	108	1066
Mowing-machine.....	S. K. Dennis.....	750,827	Feb. 2	78	17	108	1074
Mowing-machine.....	T. S. Brown.....	750,942	Feb. 2	308	73	108	1126
Mowing-machine.....	A. M. Threewits.....	751,223	Feb. 2	829	191	108	1233
Mowing-machine.....	G. W. Newton.....	752,095	Feb. 16	2458	549	108	1623
Mowing-machine.....	J. T. Gillaspay.....	753,697	Mar. 1	931	210	109	201
Mowing-machine.....	N. P. Graves.....	755,226	Mar. 22	3941	372	109	110
Mowing-machine.....	J. A. Carter.....	755,844	Mar. 29	5147	1137	109	1193
Mowing-machine.....	W. M. Platt.....	759,127	May 3	1063	216	110	242
Mowing-machine.....	S. D. Maddin.....	760,637	May 24	4078	867	110	908
Mowing-machine.....	C. S. Sharp.....	760,707	May 24	4232	899	110	1000
Mowing-machine.....	J. F. Steward.....	761,330	May 31	5406	1169	110	1289
Mowing-machine.....	R. G. Coates.....	762,514	June 14	1765	377	110	1841
Mowing-machine.....	J. W. Latimer.....	762,919	June 21	2608	566	110	2044
Mowing-machine.....	O. C. Crandall.....	765,559	July 19	3324	697	111	754
Mowing-machine.....	P. Hanson.....	768,044	Aug. 23	3877	1814	111	1952
Mowing-machine.....	R. H. Hutchinson.....	768,804	Aug. 30	5471	1162	111	2329
Mowing-machine.....	R. E. Grant.....	769,133	Aug. 30	6144	1284	111	2478
Mowing-machine.....	C. H. Hewer.....	769,607	Sept. 6	885	193	112	273
Mowing-machine.....	W. F. Wellman.....	771,516	Oct. 4	588	131	112	1093
Mowing-machine attachment.....	C. Herman.....	756,114	Mar. 29	5662	1249	109	1304
Mowing-machine attachment.....	H. F. Harrah and W. S. Flint.....	756,360	Apr. 5	319	70	109	1418
Mowing-machine attachment.....	E. A. Johnston.....	763,402	June 28	3559	766	110	2275
Mowing-machine. Automatic.....	E. A. Johnston.....	752,779	Feb. 23	3776	843	108	1932
Mowing-machine buncher.....	J. Gregg.....	771,008	Sept. 27	3388	736	112	859
Mowing-machine clutch mechanism.....	W. F. Reed.....	755,385	Mar. 29	5328	1175	109	1232
Mowing-machine crop gathering and discharging attachment.....	W. N. Whitely.....	759,950	May 17	2736	574	110	649
Mowing-machine cutter-bar.....	W. W. Jones.....	749,613	Jan. 12	2163	453	108	506
Mowing-machine cutting apparatus.....	J. H. Wiekamp.....	757,586	Apr. 19	2767	605	109	1966
Mowing-machine cutting apparatus.....	L. Study.....	772,004	Oct. 11	1579	353	112	1310
Mowing-machine grain-lifting attachment.....	M. Kane and F. P. Burkhardt.....	777,733	Dec. 20	2480	549	113	2005
Mowing-machine harvester attachment.....	J. Macphail.....	766,865	Apr. 12	1296	289	109	1636
Mowing-machine hay-tedder attachment.....	S. M. Martin.....	767,075	Aug. 9	1933	404	111	1491
Mowing-machine pitman.....	A. L. Brandt.....	763,954	July 5	10	3	111	4
Mowing-machine pitman connection.....	F. P. Burkhardt.....	754,538	Mar. 15	2669	580	109	619
Mowing-machine sickle-grinding attachment.....	G. V. Durham.....	768,790	Aug. 30	5444	1146	111	2323
Mowing-machine side-delivery buncher.....	J. J. Thornburgh.....	764,081	July 5	346	67	111	76
Mowing-machine swath-cutting attachment.....	J. Russell.....	763,068	June 21	2880	622	110	2103
Mowing-machine swather attachment.....	J. Hoffman.....	753,883	Mar. 8	1335	300	109	308
Mucilage-cup.....	W. Robinson.....	752,591	Feb. 16	3404	759	108	1834
Mud-guard.....	M. L. Cooney.....	777,244	Dec. 13	1529	329	113	1781
Muffe.....	J. and A. G. Carter.....	752,438	Feb. 16	3127	695	108	1770
Muffe.....	J. C. Fox.....	765,728	July 26	3679	785	111	842
Muffle-kiln. Continuous.....	T. S. Nickerson.....	760,551	May 24	3901	829	110	929
Muffler.....	O. E. Barthel.....	756,203	Apr. 5	10	2	109	1345
Muffler.....	I. B. Ullom.....	763,221	June 21	3185	685	110	2172
Muffler.....	W. S. Murray.....	766,963	Aug. 9	1724	362	111	1444
Muffler.....	N. T. Harrington.....	768,013	Aug. 16	3819	797	111	1921
Muffler.....	W. J. Hewitt.....	771,070	Sept. 27	3716	754	112	884
Muffler.....	S. Hughes.....	772,148	Oct. 11	1889	419	112	1379
Muffler.....	H. Ford.....	773,934	Nov. 1	813	170	113	187
Muffler.....	E. C. Richard.....	773,984	Nov. 1	899	189	113	206
Muffler. Exhaust.....	T. J. Willis and G. Andricht.....	750,011	Jan. 19	2055	632	108	693
Muffler. Exhaust.....	C. E. Yackel.....	753,402	Apr. 26	4378	941	109	2337
Muffler. Exhaust.....	W. J. Perkins.....	765,709	July 26	3622	771	111	832
Muffler. Head, face, and neck.....	B. Rautenberg.....	768,626	Aug. 30	5120	1076	111	2251
Muffler. Neck.....	J. C. Scott.....	774,708	Nov. 8	2226	486	113	510
Mule and twiner. Self-acting.....	G. E. Ross.....	752,302	Feb. 16	2859	686	108	1713
Mule and twiner. Self-acting.....	J. T. Connelly.....	754,973	Mar. 22	3505	767	109	817

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Mules and spinning-frames. Driving-cylinder for.	H. E. Getchell	770,900	Sept. 27	3382	713 (579)	112	811
Multicylinder expansion-engine.	C. J. Williams	757,532	Apr. 19	2648	380 (581)	109	1937
Multiple-cylinder engine.	J. G. Callan	766,323	Aug. 2	373	79	111	1122
Multiple-cylinder engine.	E. A. Jones	768,460	Aug. 23	4754	997	111	2154
Multiple-cylinder engine.	A. W. Mainland	776,336	Nov. 29	5651	193 (508)	113	1338
Multiple-cylinder expansion fluid-engine.	J. T. Halsey	772,353	Oct. 18	2323	509 (510)	112	1499
Multiple-expansion engine.	F. M. Prescott	751,995	Feb. 9	2294	513	108	1567
Multiple-expansion engine.	F. M. Prescott	751,996	Feb. 9	2295	513	108	1567
Multiple-expansion engine.	F. M. Prescott	751,997	Feb. 9	2296	513	108	1567
Multiple motor.	H. W. Martin	756,513	Apr. 5	632	137	109	1475
Multiple-rate meter.	A. J. R. Fiego	755,757	Mar. 29	4974	1106 (1107)	109	1150
Multitubular boiler.	J. B. Prudhon	764,369	July 5	953	192	111	212
Muscle-developing finger-band.	S. Hostfeld	757,041	Apr. 12	1667	361	109	1713
Mush. Making	C. W. Jackson	776,471	Nov. 29	5903	1246	113	1402
Music-board	J. Chisholm	772,216	Oct. 11	2023	445	112	1409
Music-box	L. Perotti	774,920	Nov. 15	2718	583 (584)	113	641
Music-box carriage-feed device.	G. A. Brachhausen	757,018	Apr. 12	1610	351	109	1700
Music-box gramophone attachment.	J. L. Schureman, Jr.	755,946	Mar. 29	5350	1181	109	1237
Music-chart	W. M. Reese	765,937	July 26	4074	870	111	927
Music-chart	H. L. Branson	766,215	Aug. 2	127	23, 24	111	1069
Music-chart	F. C. Krusche	773,732	Dec. 30	332	108	113	1266
Music-chart. Mechanical.	S. B. Turner	766,579	Aug. 9	1753	868	111	1451
Music-controller roll	A. Anderson	757,874	Apr. 19	3319	719	109	2085
Music educational device or self-registering compound musical key.	E. A. F. Schmidt	772,681	Nov. 1	287	64, 65	113	68
Music-holder	J. P. Walter	759,048	May 3	916	186	110	210
Music-holder.	A. Meyer and J. Hoffman	765,187	July 19	2588	541	111	595
Music-holder	I. C. Adams	774,814	Nov. 15	2499	538	113	593
Music-instruction device.	K. Burrows	765,098	July 26	3601	765	111	828
Music-leaf turner	P. and F. C. Engelking	749,067	Jan. 12	2272	479	108	538
Music-leaf turner	W. Bauer	751,449	Feb. 9	1294	282	108	1338
Music-leaf turner	J. W. Taylor	753,758	Mar. 1	1037	236	109	823
Music-leaf turner	F. Guth	756,848	Apr. 12	1268	283	109	1630
Music-leaf turner	G. H. Edgington	756,944	Apr. 12	1451	322	109	1668
Music-leaf turner	C. Thoma, Jr.	757,979	Apr. 19	3518	763	109	2130
Music-leaf turner	H. Peyton and G. Bodson	758,850	May 20	330	108	110	126
Music-leaf turner	W. H. Safford, Jr.	759,062	May 3	866	176	110	199
Music-leaf turner	W. Pilot	759,829	May 10	2520	526 (527)	110	585
Music-leaf turner	L. S. Miller	761,524	May 31	5838	1249	110	1367
Music-leaf turner	W. Nossard	763,201	June 21	3146	676	110	2163
Music-leaf turner	R. C. Elliott	769,155	Sept. 6	32	8	112	10
Music-leaf turner	C. F. Greiner	771,978	Oct. 11	1529	343	112	1299
Music-leaf turner	J. W. O'Neel and J. R. Edwards	772,173	Oct. 11	1940	429	112	1388
Music-leaf turner	F. von Holzhausen	773,075	Oct. 25	3819	814	112	1845
Music-leaf turner	P. J. Jensen	774,521	Nov. 8	1888	410	113	438
Music-leaf turner	L. J. Clarke	775,799	Nov. 22	4588	972	113	1085
Music-leaf turner	J. G. Anson	776,164	Nov. 29	5313	1124	113	1266
Music-leaf turner	E. L. Gage and E. D. McClish	777,200	Dec. 13	1449	321	113	1763
Music-pieces. Device for mechanically substituting one disk for another in	A. J. Rod	749,826	Jan. 19	2603	556	108	617
Music-playing instrument. Mechanical	F. C. White	764,221	July 5	641	130	111	142
Music-playing instrument. Pneumatic	C. L. Davis	769,889	Sept. 13	1427	305	112	340
Music-rack	A. Belding	760,299	May 17	3418	721	110	803
Music-rack	C. E. Williams	777,580	Dec. 13	2203	483	113	1928
Music-rack. Folding	J. H. Rockwell	754,502	Mar. 15	2605	566	106	805
Music-recording and self-playing mechanism	B. A. Gally	749,151	Jan. 12	1294	277	108	315
Music-recording machine	J. Bunzl-Federn	777,179	Dec. 13	1413	313	113	1756
Music-roll	T. F. Collins	761,449	May 31	5719	1218	110	1341
Music-roll and spool. Adjustable and self-adjusting.	M. Gally	751,494	Feb. 9	1309	300	108	1356
Music-roll for mechanical musical instruments	G. B. Kelly	777,956	Dec. 20	2974	653	113	2102
Music-roll for mechanical musical instruments	W. S. Pain	777,957	Dec. 20	2976	613	113	2102
Music-roll inclosing case. Automatic.	M. S. Wright	767,673	Aug. 16	3109	650	111	1766
Music-roll. Perforated.	H. P. Ball	778,436	Dec. 27	3925	854	113	2322
Music-roll-perforating device.	H. P. Ball	761,131	May 31	5108	1084	110	1204
Music-roll-perforating device.	H. P. Ball	761,132	May 31	5105	1084	110	1204
Music-roll-perforating device.	H. P. Ball	763,038	June 21	2813	1610	110	2085
Music-roll-perforating device.	H. P. Ball	766,803	Aug. 9	1400	292	111	1372
Music-roll-spool end flanges. Means for securing.	W. S. Pain	765,591	July 19	3375	711	111	765
Music-scale	A. S. Seville	777,551	Dec. 13	2196	467	113	1914
Music-sheet	H. P. Ball	757,010	Apr. 12	1595	347	109	1697
Music-sheet	F. Taft	778,205	Dec. 20	3445	758	113	2199
Music-sheet-lifting device	H. Meyer	765,503	July 19	3223	674	111	733
Music-sheet-feed-controlling mechanism	J. H. Dickinson	772,225	Oct. 11	2039	448	112	1412
Music-sheet. Mechanical	F. C. White	759,575	May 10	2017	596	110	475
Music-sheet-perforating apparatus	A. L. Hart	752,221	Feb. 16	2694	597	108	1677
Music-sheet-perforating apparatus	E. C. Phillips	767,363	Aug. 9	2486	520	111	1608
Music-sheet spool. Perforated.	F. Taft	767,722	Aug. 16	3188	668	111	1784
Music-sheet with guarded fastening device. Perforated	E. R. Perkins	770,103	Sept. 13	1817	383	112	425
Music-sheets. Perforating	E. C. Phillips	767,362	Aug. 9	2484	520	111	1608
Music-stand	R. D. Noble	757,408	Apr. 12	2393	520	109	1867
Music-stand	A. Krauth	763,004	June 21	2758	498	113	2077
Music-transposition chart	W. H. Finley	763,870	June 23	4455	969	110	2465

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Music tune-sheets. Machine for making	N. Collins	775,237	Nov. 15	3415	720	113	811
Music turner. Sheet	J. W. Collier	749,028	Jan. 5	946	300	108	220
Music turner. Sheet	E. Doulen	730,101	Jan. 19	3129	632	108	729
Music turner. Sheet	M. T. Phillips	750,391	Jan. 26	3655	794	108	864
Musical-apparatus accenting mechanism. Mechanical	R. W. Pain	766,516	Aug. 2	762	160	111	1207
Musical apparatus. Pneumatic	F. Schippers	755,944	Mar. 29	5346	1179	109	1236
Musical apparatus. Pneumatically-operated	E. S. Votey	751,229	Feb. 2	842	192	108	1236
Musical cane or sounding device	I. Eisenstein	751,153	Feb. 2	678	155	108	1204
Musical instrument	E. S. Stevenson	751,880	Feb. 9	2042	461	108	1512
Musical instrument	E. Lambotte	752,080	Feb. 16	2435	545	108	1618
Musical instrument	B. R. Kiessig	752,782	Feb. 23	3784	845	108	1934
Musical instrument	G. Verrecchio	756,743	Apr. 5	1055	235	109	1568
Musical instrument	J. E. Berglund	757,251	Apr. 12	2062	452	109	1799
Musical instrument	R. Scheller	757,554	Apr. 12	2282	498	109	1845
Musical instrument	F. Sudre	759,933	May 17	2706	568	110	643
Musical instrument	R. A. Wilkins	760,288	May 17	3400	717	110	799
Musical instrument	S. W. Clark	763,157	June 21	3061	659	110	2143
Musical instrument	A. Larson	765,019	July 12	2276	474	111	513
Musical instrument	F. H. Fairchild	766,027	July 26	4259	910	111	966
Musical instrument	N. Turturro	767,023	Aug. 9	1884	383	111	1466
Musical instrument	F. J. Stenger	769,118	Aug. 30	6117	1278	111	2473
Musical instrument	J. Zandalazini	769,283	Sept. 6	399	69	112	65
Musical instrument	P. A. Rasmussen	773,028	Oct. 25	3659	780	112	1806
Musical instrument	J. C. Deagan	774,234	Nov. 8	1357	289	113	323
Musical instrument	H. J. Isbell	775,658	Nov. 22	4332	914	113	1032
Musical instrument	F. O. Gutman	775,817	Nov. 22	4626	981	113	1094
Musical instrument	U. C. Pipes	776,933	Dec. 6	953	203	113	1638
Musical instrument	H. E. Hibshman	777,370	Dec. 13	1776	395	113	1835
Musical instrument	F. Martienssen	778,455	Dec. 27	4126	899	113	2366
Musical instrument and covering same	W. J. Voorhees	775,066	Mar. 22	3697	811	109	860
Musical instrument and note-sheet therefor. Self-playing	C. A. Shaffer	758,860	May 3	551	112	110	131
Musical instrument. Automatic	W. H. Rees	751,808	Feb. 9	1903	431	108	1482
Musical instrument. Automatic	W. H. Gilman and J. P. Tirrell	768,827	June 28	4467	972	110	2468
Musical instrument. Automatic	P. Welin	768,414	Aug. 23	4672	979	111	2138
Musical instrument. Automatic	E. de Kleist	770,862	Sept. 27	3303	697	112	794
Musical-instrument automatic playing apparatus.	T. B. Powers and M. R. Jewell	758,809	Mar. 1	1178	265	100	253
Musical-instrument automatic playing attachment.	W. H. Rees	751,755	Feb. 9	1795	409	108	145
Musical instrument. Automatically-operated	H. E. Sharps. (Reissue)	12,215	Apr. 26	4794	1031	109	2131
Musical-instrument bridge.	A. D. Groves	768,640	Sept. 6	970	210	112	221
Musical-instrument cases. Bow-holder for	A. A. Faulhaber	749,433	Jan. 12	1810	380	108	429
Musical-instrument controlling mechanism. Automatic	A. Keller	752,683	Feb. 23	3613	804	108	1895
Musical-instrument controlling-sheets. Reversing and speed-regulating device for	W. F. Cooper, Jr., and H. E. Sharps.	764,352	July 5	899	183	111	197
Musical-instrument devices. Automatic spring-winding mechanism for mechanical	H. E. Sharps and W. F. Cooper. (Reissue.)	12,289	Nov. 22	4803	1018	113	1133
Musical instrument. Electric	E. A. Petching	762,083	June 7	902	186	110	1633
Musical-instrument exercising attachment	H. Wraith	757,168	Apr. 12	1903	417	109	1767
Musical instrument. Mechanical	H. F. Ball	778,437	Dec. 27	3928	853	113	2223
Musical-instrument motors. Winding device for automatic	W. F. Cooper, Jr., and H. E. Sharps.	757,095	Apr. 12	1760	382	109	1733
Musical-instrument mouthpiece	P. F. Kruse	767,785	Dec. 6	638	141	113	1567
Musical-instrument note-striking mechanism.	E. H. Klaber	759,532	May 10	1985	396	110	458
Musical-instrument pedal	A. F. Norris	762,489	June 14	1717	369	110	1830
Musical-instrument pick	J. A. Forney	756,348	Apr. 5	315	65	109	1410
Musical-instrument picker. Stringed	J. W. Whitlock	773,698	Nov. 1	314	69	113	75
Musical-instrument player. Mechanical	L. U. Jones	778,305	Dec. 27	3730	827	113	2233
Musical-instrument players. Note-sheet feed mechanism for	J. D. Smith	756,070	Mar. 29	5568	1229	109	1284
Musical-instrument pneumatic action.	M. S. Wright	767,672	Aug. 16	3107	650	111	1765
Musical instrument. Self-playing	C. A. Shaffer	773,598	Nov. 1	120	25	113	33
Musical-instrument self-playing attachment	J. Courville. (Reissue)	12,189	Jan. 5	1198	250	108	278
Musical-instrument self-playing attachment.	J. Courville	755,364	Mar. 22	4204	931	109	968
Musical-instrument speed-regulator. Mechanical	H. P. Ball	749,517	Jan. 12	2002	416	108	469
Musical instrument. Stringed	C. A. Moore	761,693	June 7	143	27	110	1470
Musical instrument. Stringed	C. M. Funk	766,339	Aug. 2	401	82	111	1129
Musical instrument. Stringed	A. Olson	767,656	Aug. 16	3078	644	111	1759
Musical-instrument tracker-bar	J. T. Sibley	748,801	Jan. 5	459	103	108	103
Musical-instrument tracker-bar. Mechanical	J. Courville and F. W. Draper	762,366	June 21	2715	590	110	2067
Musical-instrument tremolo attachment.	J. A. Burchitt	775,327	Nov. 22	3600	762	113	870
Musical-instrument tuning-head	W. Henz	778,129	Dec. 20	3316	727	113	2173
Musical-instrument valve. Pneumatic	E. de Kleist	758,666	May 3	116	25	110	30
Musical-instrument variation-register. Automatic	M. Clark	774,309	Nov. 8	1493	321	113	353
Musical instruments and players. Pneumatic action for mechanical	M. Gally	752,060	Feb. 16	2399	535	108	1609
Musical instruments. Attachment for expression or accent controlling mechanisms for mechanical	R. W. Pain	752,920	Feb. 23	4085	910	108	2002

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Musical instruments. Automatic playing attachment for	T. P. Brown	772,208	Oct. 11	2011	443	112	1406
Musical instruments. Bridge and binder for stringed	C. S. Weber	758,879	May 3	608	121	110	145
Musical instruments. Combined support and tone-modulating device for	J. F. Gladieux	774,750	Nov. 15	2372	512	113	565
Musical instruments. Contact device for electric self-playing	I. B. Smith	777,153	Dec. 13	1367	301	113	1746
Musical instruments. Division-indicator for mechanical	F. C. White	759,576	May 10	2019	413	110	476
Musical instruments. Expression mechanism for automatically-operated	I. B. Smith	777,226	Dec. 13	1498	332	113	1774
Musical instruments. Expression mechanism for pneumatically-actuated	E. S. Votey	767,781	Aug. 16	3393	696	111	1807
Musical instruments. Means for controlling the paper-winding mechanism of automatic	T. P. Brown	764,555	July 12	1352	275	111	313
Musical instruments. Means for regulating the expression of mechanical	R. W. Pain	754,886	Mar. 15	3337	729	109	763
Musical instruments. Note-sheet for self-playing	C. A. Shaffer	758,861	May 3	555	113	110	132
Musical instruments. Pneumatic motor for automatic	C. S. Burton	756,409	Apr. 5	562	117	109	1462
Musical instruments. Sound-regulator for automatic	C. Gelnay	777,505	Dec. 13	2036	448	113	1893
Musical instruments. Valve for pneumatic-actions for	M. S. Wright	769,424	Sept. 6	561	123	112	127
Mustache-band.	F. Oberdorfer	753,906	Mar. 8	1388	313	109	329
Muzzle. Animal.	B. P. Merry	750,210	Jan. 19	3320	717	108	760
Muzzle. Dog.	W. H. Dusenbury	777,280	Dec. 13	1596	355	113	1796
Muzzle for calves or colts.	W. M. Vancuren	749,594	Jan. 12	2135	445	108	500
Nail.	E. P. Hurd	767,530	Aug. 16	2814	589	111	1700
Nail.	E. P. Hurd	767,521	Aug. 16	2816	589	111	1700
Nail-blank feeding and sorting machine	E. E. Pierce and L. W. Newton	757,676	Apr. 19	2947	639	109	2004
Nail-blanks. Machine for swaging heads on	E. Perkins	775,499	Nov. 22	3964	837	113	952
Nail-clipper	F. D. Sickles	768,083	Aug. 23	3991	539	111	1981
Nail-clipper. Manicure.	H. Wilcox	770,032	Sept. 13	1697	360	112	400
Nail. Coated	W. S. Rogers	773,524	Oct. 25	4865	1026	112	2078
Nail-coating apparatus	C. Waggoner	773,356	Oct. 25	4479	948	112	1933
Nail-drawer	J. M. Marty	760,228	May 17	3293	691	110	775
Nail-extractor	A. Dudley, Sr.	754,754	Mar. 15	3083	674	109	709
Nail-extractor.	W. C. Morrill	770,018	Sept. 13	1678	356	112	397
Nail-extractor.	G. and H. A. Hovenden	777,210	Dec. 13	1475	326	113	1759
Nail-feeding mechanism	W. Wolfe	776,625	Dec. 6	338	72	113	1503
Nail-inspecting machine	C. W. Sponsel	766,200	Aug. 2	90	17	111	1061
Nail-making machine	S. Beauregard	772,916	Oct. 25	3433	745	112	1757
Nail-making machine	E. Perkins	777,917	Dec. 20	2896	746	113	2086
Nail or spike	A. Smith	761,925	June 7	327	126	110	1578
Nail or spike driver	A. H. Harriman and J. M. Falker	776,393	Nov. 29	5538	1917	113	1366
Nail or spike extractor	P. Muir	765,246	July 19	2693	561	111	619
Nail or tack driving implement	S. A. Cohen	750,605	Jan. 26	4071	881	108	950
Nail-plate-machine feeding mechanism	C. B. Gardiner	776,461	Nov. 29	5581	1242	113	1397
Nail-puller	W. T. Norcott	751,680	Feb. 9	1650	375	108	1427
Nail-puller.	W. H. de Granada and E. Keene	754,202	Mar. 8	1932	480	109	442
Nail-puller	G. Walker	760,715	May 24	4246	902	110	1003
Nail set and holder	L. S. Starrett	762,258	June 7	1324	264	110	1705
Nails. Apparatus for making and simultaneously driving wire	M. Schubert	752,305	Feb. 16	2865	637	108	1714
Nails. Making coated	W. S. Rogers	773,525	Oct. 25	4866	1319	112	2078
Nailing-machine	W. J. Darling, L. Geyer, and W. J. Evers	759,350	May 10	1589	320	110	380
Nailing-machine	C. F. Pym	763,927	June 28	4567	998	110	2488
Nailing machine. Loose	D. Hagar	755,237	Mar. 22	3942	873	109	911
Name-plate holder for drawer-pulls, &c.	H. F. Keil	765,734	July 23	2848	785	111	844
Nap-restoring device.	A. W. Foster	753,970	Mar. 8	1516	358	109	449
Napping-machine	M. La Fountain, Jr.	756,029	Mar. 29	5501	1213	109	1249
Napkin-attaching device. Sanitary.	C. H. Schopbach	749,453	Jan. 12	1866	388	108	438
Napkin-holder	D. G. McClay	755,784	July 26	3609	811	111	868
Napkin-holder	F. P. Hart	770,576	Sept. 20	2438	582	112	394
Napkin-ring	W. M. Kendall	750,197	Jan. 19	3201	711	108	763
Nasal shield	T. Carence	758,030	Apr. 19	3629	785	109	2154
Naval architecture. Means for	C. F. Blochmann	775,889	Nov. 22	4756	1098	113	1121
Navigator's position-indicator.	C. A. Harker	764,741	July 12	1733	354	111	871
Neck-protector	J. B. Smith	772,717	Feb. 23	3675	819	108	1910
Neckband-stretcher	H. P. Wysard	776,041	Nov. 29	5088	1074	113	1216
Necktie	W. M. Barnes	776,166	Nov. 29	5319	1125	113	1268
Necktie	C. Nollenberger	751,331	Feb. 2	1043	236	108	1279
Necktie	C. Nollenberger	751,332	Feb. 2	1043	296	108	1279
Necktie	M. F. Powers	768,299	Aug. 23	4424	929	111	2076
Necktie-band fastener	E. G. M. Lacoix	751,305	Feb. 2	1001	227	108	1270
Necktie-band holder	G. G. Parsons	754,007	Mar. 8	1576	352	109	364
Necktie. Endless.	J. P. Leggett	771,163	Sept. 27	3908	824	112	927
Necktie-fastener	W. Van Plew	767,474	Aug. 16	2716	570	111	1678
Necktie-fastening	J. Bernstein	771,688	Sept. 27	3652	769	112	871
Necktie-holder	J. W. Van Plew	750,135	Jan. 19	3187	685	108	741
Necktie-holder	L. Hodecker	758,073	Apr. 26	3733	811	109	2194
Necktie-holder	J. M. Jones	764,728	July 12	1712	350	111	390
Necktie-holder	F. L. Wooley	766,408	Aug. 2	532	112	111	1157

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Necktie or ribbon clasp.....	J. J. O'Callaghan.....	753,095	Feb. 23	4427	985	108	2078
Necktie-retainer.....	M. C. Lewellyn.....	749,621	Jan. 12	2177	457	108	508
Necktie-retainer.....	L. N. Marcell.....	769,757	Sept. 13	1179	255	112	284
Necktie-securing device.....	F. J. Manson.....	757,730	Apr. 19	3046	664	109	3056
Neckties, &c. Holder for.....	J. G. Gill.....	751,756	June 7	290	38	110	1502
Neckwear.....	C. Babson.....	754,188	Mar. 8	1908	425	109	437
Neckwear.....	W. H. Hart, Jr.....	778,033	Dec. 20	3125	687	113	2132
Neckwear. Clasp for supporting scarfs for.....	L. Lassen.....	772,159	Oct. 11	1911	423	112	1383
Neckwear-fastening.....	A. W. Pithouse.....	758,949	Aug. 30	5773	1215	111	2399
Neckwear-holder.....	J. Weil.....	775,955	Nov. 29	4911	1038	113	1174
Neckwear. Men's.....	J. H. Stark.....	769,506	Sept. 6	725	157	112	164
Needle-holder.....	G. F. Richter.....	776,688	Dec. 6	446	99	113	1526
Needle-lubricator.....	E. C. Reed.....	758,473	Apr. 26	4512	969	109	2968
Needle-threader.....	M. L. Crannell.....	760,437	May 24	3653	772	110	871
Needle-threader.....	A. L. Peck.....	772,821	Oct. 18	3228	703	112	1602
Negative-holder.....	A. J. Weed.....	773,358	Oct. 25	4483	949	112	1941
Negative-printing attachment. Gas-light.....	G. W. Harse.....	758,444	Apr. 26	4466	960	109	2337
Negatives and printing-plates. Apparatus for treating.....	W. G. Thorpe.....	760,276	May 17	3374	710 711	110	793
Nest.....	R. J. Wakefield.....	770,547	Sept. 20	2692	569 570	112	641
Nest. Hen's.....	C. W. Glandt.....	769,797	Sept. 13	1247	268	112	299
Nest. Trap.....	A. G. Root.....	750,702	Jan. 26	4239	921	108	886
Nest. Dip.....	J. A. Ellsworth.....	771,362	Oct. 4	387	63	112	1022
Net. Fastener. Fly.....	E. Covert.....	762,387	June 14	1489	324	110	1731
Net. Fly.....	C. E. Rhinehart.....	759,470	May 10	1818	366	110	433
Net. Fly.....	W. Erdmann and W. Kootz.....	777,946	Dec. 20	2959	650	113	2099
Net holder. Fly.....	J. Wambsgans.....	770,204	Sept. 13	2015	425	112	469
Net. Landing.....	J. C. Heritage.....	752,550	Feb. 16	3326	1740	108	1816
Net support. Trap.....	T. E. P. Keegan.....	773,618	Oct. 18	2830	622	112	1608
News-stand.....	S. J. Richardson.....	750,311	May 10	1499	301	110	362
Newspaper-clip.....	D. W. Burgess.....	774,036	Nov. 1	999	210	113	226
Newspaper holder and binder.....	G. Becherer.....	758,505	Aug. 23	4546	1016	111	173
Newspaper or periodical.....	S. B. Hutchinson.....	758,139	Apr. 26	3854	887	109	2323
Newspaper-rack.....	F. X. Krabach.....	756,509	Apr. 5	624	135	109	1473
Newspapers, &c. Machine for feeding off.....	F. O. Brostrom.....	768,990	Aug. 30	5738	1206 1207	111	2390
Nickel carbonyl. Manufacture of.....	J. Dewar.....	769,832	May 24	4532	966	110	1093
Nickel hydroxide. Recovering.....	H. A. Frasch.....	753,053	June 21	2856	110	110	2098
Nickel oxid and ammonia. Recovering.....	H. A. Frasch.....	773,636	Nov. 1	196	43	113	48
Night light or lamp.....	J. R. Bentote.....	753,932	Mar. 8	1482	332	109	342
Night-stand. Hygienic.....	N. Faucon.....	774,572	Nov. 8	1990	432	113	459
Nippers.....	E. Roraback.....	756,056	Mar. 29	5543	1223	109	1273
Nippers. Cutting.....	L. Roberts.....	760,807	May 24	4445	946	110	1044
Nipple-holder.....	W. Shaw.....	775,940	July 26	4080	871	111	923
Nipple or mouthpiece.....	C. A. Lindsay.....	774,848	Nov. 15	2576	553	113	608
Nipple-shield.....	F. P. Prindle.....	751,415	Feb. 2	1177	268	108	1307
Nitrains with formaldehyde and a product there- of. Reacting on.....	B. Homolka and J. Erber.....	763,756	June 28	4226	110	110	2418
Nitrated carbohydrate.....	A. Hough.....	751,076	Feb. 2	541	108	110	1178
Nitric dioxide and nitric acid. Manufacturing.....	G. Pauling.....	758,774	May 3	392	78	110	96
Nitro compounds. Reduction of.....	M. Buchner.....	761,284	May 31	5401	1149	110	1268
Nitrocellulose. Purifying.....	F. I. Du Pont.....	763,757	June 14	2268	494	110	1947
Nitrogen compounds from atmospheric nitrogen. Making.....	H. Mehner.....	754,474	Mar. 15	2545	554	109	592
Nitrogen or other compounds. Apparatus for elec- trical production of.....	J. von Kowalski and I. Moscicki.....	754,147	Mar. 8	1835	409	109	423
Nitrogen. Preparing for distribution organisms which fix atmospheric.....	G. T. Moore.....	755,519	Mar. 22	4478	108	109	1026
Nitrous anhydrid and nitrites. Making.....	H. von Kôler.....	763,491	June 28	3726	110	110	2310
Non-conducting handle.....	C. M. Perkins.....	756,401	Apr. 5	423	87	109	1434
Noodle-machine.....	A. F. P. Stenzy.....	775,152	Nov. 15	3195	682	113	733
Noodles, &c. Machine for cutting.....	C. Hurt.....	748,932	Jan. 5	772	167	108	175
Nose-guard.....	G. W. Wells.....	758,947	May 8	740	147	110	172
Nose-ring for animals.....	E. K. Rea.....	770,123	Jan. 19	3166	680	108	736
Notching-machine.....	M. von Pein.....	766,896	Aug. 9	1592	334	111	1413
Note-register.....	W. B. Winn.....	766,089	July 26	4385	939	111	993
Note-sheet.....	J. R. Verstraelen and C. Alter.....	769,517	Sept. 6	745	161	112	169
Note-sheet guide mechanism. Automatic.....	J. R. Smith.....	755,350	Mar. 29	5361	1184	109	1239
Nozzle.....	J. Huent.....	748,608	Jan. 25	3045	648	112	73
Nozzle.....	E. E. Ritter.....	772,827	Oct. 18	3238	706	112	1695
Nozzle. Adjustable.....	T. E. Twist.....	768,095	Aug. 23	4029	848	111	1980
Nozzle. Adjustable flushing.....	J. C. Wilson.....	777,053	Dec. 6	1189	259	113	1692
Nozzle and joint. Hydraulic.....	J. A. Yeatman.....	749,417	Jan. 12	1775	375	108	421
Nozzle. Exhaust.....	W. S. Clarkson.....	754,746	Mar. 15	3068	670	109	705
Nozzle for discharging liquids.....	E. Shaw.....	749,232	Jan. 12	1396	299	108	340
Nozzle. Jet.....	L. Schutte.....	759,330	May 10	1517	305	110	366
Nozzle. Sprinkler.....	J. D. Ross.....	752,803	Feb. 23	3828	859	108	1944
Nozzle. Syringe.....	R. F. Colman.....	770,739	Sept. 27	3045	648	112	73
Numbering-machine.....	E. P. Sheldon.....	756,063	Mar. 29	5355	1226	109	1282
Numbering-machine.....	C. Spielmann.....	762,101	June 7	833	193	110	1640
Numbering-machine.....	E. G. Bates.....	766,134	July 26	4469	957	111	1012
Numbering-machine.....	G. H. Miller.....	774,686	Nov. 8	2192	479	113	502
Numbering-machine. Typographic.....	E. G. Bates.....	759,656	May 10	2179	448	110	510
Numbering or registering machine transfer mech- anism.....	L. F. Brewster.....	761,942	June 7	653	131	110	1583
Nurling-machine.....	L. A. Casgrain.....	768,560	Aug. 23	4959	1038	111	2197
Nurling-tool holder.....	A. H. Riegner.....	768,771	Aug. 30	5407	1138	111	2314
Nursery gate.....	C. H. Wright.....	777,322	Dec. 13	1681	373	113	1315
Nursing appliance.....	A. S. Dixon.....	753,683	Mar. 1	896	204	109	94
Nursing appliance.....	A. Frank.....	773,252	Oct. 25	4269	902	112	1948
Nut and bolt lock.....	W. E. Walker.....	761,274	May 31	5384	1144	110	1265
Nut and bolt lock.....	R. M. Tuller.....	770,945	Sept. 27	3468	732	112	833
Nut and bolt lock.....	R. E. Burks.....	778,107	Dec. 20	3261	716	113	2160

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Nut and bolt. Lock.	J. R. Elder	777,085	Dec. 13	1248	274	113	1721
Nut. Axle.	C. Schneider, Sr.	757,506	Apr. 19	2593	568	109	1926
Nut. Axle.	H. A. Sherman	761,415	May 31	5659	1204	110	1327
Nut. Axle.	A. Uren	762,506	June 14	1744	374	110	1836
Nut. Axle.	S. R. Bailey	773,453	Oct. 25	458	980	112	2036
Nut. Axle.	J. Berry	774,150	Nov. 7	1207	257	113	280
Nut-cracker.	C. E. Smith	759,033	May 3	885	180	110	203
Nut-cracker.	H. W. Mather	768,062	Aug. 23	3916	822	111	1963
Nut-cracking machine.	S. M. Brown	772,127	Oct. 11	1834	408	112	1367
Nut for safety-bolts, air-valve caps, &c	E. Michelin	750,675	Jan. 26	4195	910	108	977
Nut-holder.	G. F. Zwilling and C. W. Richards.	770,144	Sept. 13	1893	402	112	413
Nut-lock.	S. C. Crow	748,588	Jan. 5	68	19	108	17
Nut-lock.	A. C. Fletcher	748,942	Jan. 5	755	163	108	171
Nut-lock.	J. W. Church	749,539	Jan. 12	2023	420	108	474
Nut-lock.	J. N. Smith	750,130	Jan. 19	3177	632	108	737
Nut-lock.	W. C. Miner	750,211	Jan. 19	3331	717	108	769
Nut-lock.	F. A. Howard	750,364	Jan. 26	3612	783	108	855
Nut-lock.	T. G. Ingle	750,365	Jan. 26	3613	783	108	855
Nut-lock.	H. C. Stouffer	750,412	Jan. 26	3695	802	108	873
Nut-lock.	F. P. Koenig	750,466	Jan. 26	3706	825	108	885
Nut-lock.	H. J. Berkley	750,796	Feb. 2	29	6	108	1063
Nut-lock.	H. J. Casanova and H. C. Caldwell.	751,457	Feb. 9	1246	285	108	1340
Nut-lock.	R. E. Pennington and J. Bellett	751,550	Feb. 9	1414	322	108	1378
Nut-lock.	P. S. Brindle	752,025	Feb. 16	2339	523	108	1596
Nut-lock.	J. Dickason.	752,207	Feb. 16	2343	523	108	1600
Nut-lock.	W. B. Rose	752,293	Feb. 16	2786	617	108	1698
Nut-lock.	W. C. Miner	752,628	Feb. 16	3504	780	108	1854
Nut-lock.	F. L. McCulloch	752,698	Feb. 23	3640	810	108	1902
Nut-lock.	J. D. Brent	753,117	Feb. 23	4460	992	108	2085
Nut-lock.	N. Jamison	753,373	Mar. 1	108	27	109	8
Nut-lock.	W. H. Mack	753,415	Mar. 1	373	87	109	81
Nut-lock.	W. L. Durden	753,686	Mar. 1	900	204	109	195
Nut-lock.	H. C. Holliday	754,309	Mar. 8	2147	475	109	486
Nut-lock.	J. C. Mitchell.	754,590	Mar. 15	2766	603	109	637
Nut-lock.	J. E. Hedrick	754,767	Mar. 15	3103	673	109	713
Nut-lock.	L. Lonsley	755,146	Mar. 22	3708	836	109	883
Nut-lock.	C. F. Sperry	755,806	Mar. 29	5062	1124	109	1171
Nut-lock.	A. C. Fletcher	756,010	Mar. 29	5466	1206	109	1263
Nut-lock.	T. L. Russell	756,145	Mar. 29	5706	1259	109	1313
Nut-lock.	J. P. McMahon	756,209	Apr. 5	150	31	109	1375
Nut-lock.	V. Ghigliotti	756,620	Apr. 5	814	175	109	1515
Nut-lock.	J. F. Rieman	756,709	Apr. 5	978	216	109	1553
Nut-lock.	J. W. Hancock	757,457	Apr. 19	2489	545	109	1904
Nut-lock.	W. Rundle	757,775	Apr. 19	3148	684	109	2049
Nut-lock.	J. A. Douglas and J. Bartleson	758,512	Apr. 26	4596	988	109	2388
Nut-lock.	W. M. Smith	759,089	May 3	902	189	110	207
Nut-lock.	F. J. Bloomqvist	759,232	May 10	1345	288	110	327
Nut-lock.	S. M. Hopping	759,713	May 10	2274	470	110	531
Nut-lock.	J. W. Scanland	760,569	May 24	3940	837	110	938
Nut-lock.	N. H. Roe	761,105	May 31	5064	1075	110	1196
Nut-lock.	E. M. White	761,738	June 7	250	44	110	1488
Nut-lock.	A. M. Wilson	762,107	June 7	945	195	110	1642
Nut-lock.	E. C. Blackburn.	762,226	June 7	1160	249	110	1692
Nut-lock.	W. L. Morrow	762,243	June 7	1193	256	110	1699
Nut-lock.	G. P. Finnigan	762,295	June 14	1354	283	110	1747
Nut-lock.	C. F. Degner	763,049	June 21	2852	617	110	2097
Nut-lock.	C. A. Kocak	763,677	June 28	4073	886	110	2384
Nut-lock.	W. V. Wesson	763,821	June 28	4367	949	110	2447
Nut-lock.	J. D. Franklin	763,874	June 28	4463	971	110	2467
Nut-lock.	H. M. Schofield	763,932	June 28	4577	1000	110	2491
Nut-lock.	W. H. Beckett.	763,950	July 5	4	1	111	3
Nut-lock.	J. T. Hughes.	764,591	July 12	1421	291	111	327
Nut-lock.	C. W. Gibbs	764,662	July 12	1586	324	111	363
Nut-lock.	W. C. Mills	765,245	July 19	2692	560	111	619
Nut-lock.	J. McComb	765,247	July 19	2694	561	111	619
Nut-lock.	W. Pickard	765,361	July 26	4182	893	111	950
Nut-lock.	E. Wacker.	766,782	Aug. 2	1332	281	111	1337
Nut-lock.	N. Payne and A. P. Guynes	766,895	Aug. 9	1591	333	111	1413
Nut-lock.	M. Bertolett	767,009	Aug. 9	1993	415	111	1503
Nut-lock.	J. H. Burnett.	767,293	Aug. 9	2307	459	111	1548
Nut-lock.	J. F. Lauder	767,294	Aug. 9	2308	460	111	1549
Nut-lock.	J. E. Hart	767,642	Aug. 16	3060	639	111	1755
Nut-lock.	F. Reed	767,661	Aug. 16	3087	645	111	1762
Nut-lock.	W. Jarrell	767,694	Aug. 16	3148	658	111	1775
Nut-lock.	H. B. Romberger	768,954	Aug. 30	5787	1216	111	2400
Nut-lock.	C. W. S. Turner	769,063	Aug. 30	5953	1246	111	2438
Nut-lock.	C. Ryan	769,717	Sept. 13	1109	238	112	269
Nut-lock.	E. J. Sisk	770,325	Sept. 20	2287	480	112	552
Nut-lock.	D. A. Frick	770,362	Sept. 20	2343	493	112	564
Nut-lock.	A. A. Loughon	770,374	Sept. 20	2362	498	112	569
Nut-lock.	E. E. Drury and W. E. Storer.	770,492	Sept. 20	2441	516	112	585
Nut-lock.	J. W. Lawrence	770,435	Sept. 20	2465	522	112	592
Nut-lock.	D. W. Martin	770,977	Sept. 27	3527	743	112	846
Nut-lock.	C. B. Fudge	771,139	Sept. 27	3857	814	112	917
Nut-lock.	H. L. Reynolds and A. G. Smith.	771,167	Sept. 27	3913	825	112	928
Nut-lock.	J. Ball	771,985	Oct. 11	1498	327	112	1260
Nut-lock.	J. Hayes	771,966	Oct. 11	1498	339	112	1292
Nut-lock.	A. Hayes	772,144	Oct. 11	1884	417	112	1378
Nut-lock.	A. C. Lukehart	772,811	Oct. 18	3213	699	112	1690
Nut-lock.	H. E. Flier and S. C. Baughn, Jr.	774,418	Nov. 8	1692	362	113	396
Nut-lock.	H. J. Berkley	775,160	Nov. 8	3078	654	113	727
Nut-lock.	T. J. Robertson and L. Haneke	775,351	Nov. 29	5668	1240	113	1648
Nut-lock.	J. O'Meara	776,676	Dec. 6	419	93	113	1521
Nut-lock.	E. Blue	776,991	Dec. 6	1059	229	113	1662
Nut-lock.	L. G. Amberson	777,469	Dec. 13	1964	434	113	1877
Nut-lock.	M. Graffius	778,030	Dec. 20	3121	686	113	2131

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Nut-lock	J. W. Todd and M. L. Sansberry	778,157	Dec. 20	3360	738	113	2184
Nut-lock	G. W. Fewter	778,937	Dec. 27	4114	896	113	2364
Nut-lock	A. H. Wegener	778,726	Dec. 27	4460	977	113	2439
Nut, Lock	W. C. Peters and W. Bellamy	748,882	Jan. 5	622	140	108	139
Nut, Lock	F. Obiois	753,301	Mar. 1	161	37	109	38
Nut, Lock	A. L. Mowry	753,421	Mar. 1	381	89	109	83
Nut, Lock	G. B. Evans and J. H. Williams	754,498	Mar. 15	2477	539	109	576
Nut, Lock	R. Varley	757,526	Apr. 19	2637	577	109	1894
Nut, Lock	A. Louman	759,838	May 17	2640	553	110	627
Nut, Lock	L. H. Johnson	771,733	Oct. 4	993	323	112	1171
Nut, Lock	F. R. Allen and G. Andreotta	772,120	Oct. 11	1826	405	112	1866
Nut-lock, Axle-spindle	E. S. Morris	761,388	May 31	5616	1195	110	1316
Nut-lock, Safety	L. D. Frenot	752,057	Feb. 16	2395	535	108	1608
Nut-lock, Spindle	S. G. Boudin, Jr.	750,425	Jan. 25	3720	898	108	870
Nut-lock washer	E. E. Brown	749,256	Jan. 12	1439	308	108	349
Nut-locking device	S. T. Parker	769,400	Sept. 6	520	114	112	118
Nut, &c., mold	J. Bone and M. Reid	775,795	Nov. 22	4578	970	113	1084
Nut or pipe wrench	D. Stewart	750,727	Jan. 26	4322	934	108	1004
Nut or pipe wrench	W. Van Horn	768,832	Aug. 30	5548	1167	111	2344
Nut-press	E. Peters	769,450	Sept. 6	606	132	112	137
Nut-shelling machine	C. Carr	751,377	Feb. 2	1115	253	108	1295
Nut-tapping machine	G. F. Zwilling and C. W. Richards	768,508	Aug. 23	4839	1014	111	2172
Nut-wrench	W. E. Gilliland	757,613	Apr. 19	2824	616	109	1977
Nut-wrench	J. W. Winkler	768,501	Aug. 23	4835	1013	111	2171
Nut-wrench	J. M. Briscoe	777,298	Dec. 12	1523	338	113	1780
Nut wrench, Axle	G. C. Luther	766,508	Aug. 2	745	155	111	1203
Nuts, &c. Locking device for	F. Van Duijn and L. W. Van Thiel	749,924	Jan. 26	3290	697	108	690
Oar, Bow-facing	A. Bernier	765,573	Jan. 19	2945	616	111	673
Oar, Bow-facing	J. H. Durant	767,214	Aug. 9	2225	403	111	1552
Oar-lock	A. D. Collins	750,812	Feb. 2	50	11	108	1068
Oar-lock	E. F. McIntyre	758,370	Apr. 26	4107	888	109	2217
Oar-lock	H. W. Wheeler	772,264	Oct. 11	2129	465	112	1431
Oat-hulling machine	D. W. Brown	777,380	Dec. 20	2812	618	113	2071
Oat-hulling process	D. W. Brown	770,794	Sept. 27	3158	669	112	762
Observation-wheel	D. W. Blair	753,037	Feb. 23	4327	961	108	2056
Obstetrical device	M. A. Easterly	778,644	Dec. 27	4384	947	113	2412
Odor-proof bag	W. F. Flowers	757,610	Apr. 19	2817	615	109	1975
Odoriferous compound. Making	E. Knoevenagel	767,291	Aug. 9	2358	411	111	1581
Office device	C. F. West	761,864	June 7	506	102	110	1553
Office-indicator	C. F. Rutman	750,226	Jan. 19	3349	724	108	775
Offset-cleaner	J. Humphrey	761,633	May 31	6046	1227	110	1412
Oil and steam separator	J. E. Schlieper	768,628	Aug. 30	5122	1077	111	2251
Oil and water separator	J. C. Gaskill	774,577	Nov. 8	1995	434	113	460
Oil-bailing device	A. L. Schellhammer	760,570	May 24	3941	837	110	938
Oil-burner	A. W. Hess and A. S. Williams	751,395	Feb. 2	1147	267	108	1301
Oil-burner	D. Coradine	752,042	Feb. 16	2395	529	108	1823
Oil-burner	J. L. Smith	752,716	Feb. 23	3673	818	108	1909
Oil-burner	A. Maculen	754,661	Mar. 15	2303	635	109	666
Oil-burner	J. M. Younger	755,340	Mar. 22	4164	920	109	958
Oil-burner	A. Johnson	755,880	Mar. 29	5212	1153	109	1206
Oil-burner	E. G. Speer	757,421	Apr. 13	2417	527	109	1873
Oil-burner	E. W. Jackson	759,445	May 10	1763	356	110	419
Oil-burner	G. G. Calkins	759,500	May 10	1877	377	110	445
Oil-burner	H. H. Mosteller	759,822	May 10	2503	523	110	581
Oil-burner	G. B. von Boden and E. F. Ingles	760,826	May 24	4487	955	110	1054
Oil-burner	O. Hauack	762,167	June 7	1051	221	110	1667
Oil-burner	L. A. Schulze	762,560	June 14	2063	446	110	1905
Oil-burner	J. F. Schreyer	765,442	July 19	3089	647	111	704
Oil-burner	J. Hewitt	766,351	Aug. 2	225	44	111	1090
Oil-burner	J. A. Young	766,562	Aug. 9	1530	317	111	1397
Oil-burner	F. W. Hitchings and D. B. Ellsworth	768,280	Aug. 23	4391	922	111	2068
Oil-burner	A. A. Margeson and J. B. Schmitt	769,004	Aug. 30	5888	1235	111	2423
Oil-burner	T. W. Hill	771,981	Oct. 11	1537	345	112	1301
Oil-burner	J. Brenning, Jr.	772,496	Oct. 18	2611	575	112	1560
Oil-burner	H. H. Watts	772,546	Oct. 18	2694	592	112	1578
Oil-burner	A. F. Chace	773,543	Nov. 1	2738	587	113	6
Oil-burner	G. W. Arden	774,028	Nov. 15	2738	587	113	64
Oil-burner	R. Meldrum	775,428	Nov. 22	3832	808	113	921
Oil-burner	A. J. O'Brien	775,762	Nov. 22	4516	958	113	1072
Oil-burner	V. F. Lássee and L. D. Lovekin	777,680	Dec. 20	2391	526	113	1982
Oil-burner and furnace. Combined fuel-	A. J. Smithson	767,601	Aug. 16	2979	623	111	1738
Oil-burner, Blue-flame	W. R. Jeavons	775,003	Nov. 29	4763	1014	113	1127
Oil burner, Crude	G. W. Bedinger, I. King, and S. S. Bedinger	751,603	Feb. 9	1515	344	108	1400
Oil burner, Crude	C. L. Grundell and E. W. Tucker	758,206	Apr. 26	3979	863	109	2249
Oil burner, Crude	E. N. White	762,969	June 21	2694	584	110	2062
Oil burner, Crude	E. Darby	762,987	June 21	2717	590	110	2068
Oil burner, Crude	F. T. Goodwin	768,798	Aug. 30	5461	1150	111	2326
Oil burner, Fuel	W. H. Van Horn	756,742	Apr. 5	1054	234	109	1568
Oil burner, Fuel	A. A. Toomey	771,189	Sept. 27	3954	834	112	937
Oil burner, Fuel	F. Trowbridge	772,363	Oct. 11	2128	464	112	1484
Oil burner, Hydrocarbon	W. J. Strat	760,818	May 24	4466	951	110	1049
Oil-burner regulator	W. Chamberlain	752,200	Feb. 16	2655	589	108	1668
Oil-burner superheater	J. M. Donahue	757,182	Apr. 12	1940	424	109	1774
Oil-burning apparatus	E. Fraser and E. J. Hoyt	755,865	Mar. 29	5184	1147	109	1201
Oil-burning device	F. E. Nelson	773,765	Nov. 1	439	97	113	130
Oil-burning system	E. W. Tucker and C. L. Grundell	758,224	Apr. 26	4006	870	109	2255
Oil-cake-treating apparatus	A. B. Lawther	754,576	Mar. 15	2738	597	109	632
Oil-can	P. Hoon	751,984	Feb. 9	2277	509	108	1563

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Oil-can	J. Wilkinson	755,388	Mar. 22	4162	920	109	958
Oil-can	F. B. Parker	755,927	Mar. 22	5300	1172	109	1228
Oil-can	G. Lund	758,762	May 3	366	74	110	89
Oil-can	W. M. Fulton	762,300	June 14	1329	284	110	1748
Oil-can	L. H. Keroack	767,287	Aug. 9	2351	492	111	1579
Oil-can	A. O. Bolen	768,355	Aug. 23	4321	951	111	2096
Oil-can	N. Nilson and A. Hagemester	775,281	Nov. 15	3501	738	113	803
Oil-can	J. E. Albers	775,324	Nov. 22	3535	789	113	869
Oil-can	R. P. Frazer	777,570	Dec. 20	2376	523	113	1979
Oil-can fastener	W. Bainbridge	755,432	Mar. 22	4330	957	109	994
Oil-can. Non-explosive	J. Childs	750,089	Jan. 19	3109	668	108	723
Oil-can. Non-explosive	J. A. Gray and F. Lehmann. (Re-issue)	12,301	Mar. 1	1240	279	109	266
Oil-cellar	A. L. Turnipseed	759,943	May 17	3725	572	110	646
Oil condensing and bleaching apparatus	S. Lewiak	751,187	Feb. 2	753	172	108	1218
Oil-cup	A. Uhri and A. G. Houck	773,829	Nov. 1	554	120	113	1228
Oil-cup	V. Royle	776,262	Nov. 29	5508	1166	113	1311
Oil-cup	C. F. Tucker	777,704	Dec. 20	2439	536	113	1263
Oil-cup. Self-regulating	M. Crowther	753,859	Mar. 8	1293	291	109	299
Oil. Drying.	W. N. Blakeman, Jr	767,682	Aug. 16	3123		111	1769
Oil. Electrically extracting essential	G. D. Burton	763,151	June 21	3046	655	110	2139
Oil-extracting apparatus	M. Kirshner	761,686	June 7	1238	656	110	1466
Oil-feeder	J. W. Kirshman	770,077	Sept. 13	1768	374	112	416
Oil-feeding device.	W. W. Mathews and C. Bauer	763,301	June 21	3326	720	110	2201
Oil generator. Crude.	J. M. Kroyer	764,531	July 5	1284	262	111	380
Oil heating-furnace	J. Beale	773,458	Oct. 25	4687	901	112	2037
Oil-interceptor	T. B. Wingrove	768,415	Aug. 23	4679	980	111	2139
Oil. Making a substitute for cod-liver	K. F. Töllner	765,943	July 26	4085		111	990
Oil mixer and burner	W. S. Kengla	756,116	Mar. 29	5665	1250	109	1304
Oil or distillate. Desulfurizing	O. P. Amend	764,099	July 5	377		111	83
Oil-plug for overcoming back pressure in lubricator oil-pipes. Suction	F. Tuma	773,353	Oct. 25	4473	947	112	1992
Oil-press	J. H. Hubbell	773,398	Oct. 25	4555	963	112	2011
Oil-press mat.	R. F. Werk	758,572	Apr. 26	4715	1017	109	2413
Oil-press mat.	R. F. Werk	758,573	Apr. 26	4717	1017	109	2414
Oil-press mat.	R. F. Werk	758,574	Apr. 26	4718	1017	109	2414
Oil-press mat.	R. F. Werk	758,575	Apr. 26	4719	1018	109	2414
Oil-purifier	D. H. McClelland	762,486	June 14	1713	368	110	1829
Oil-receptacle sight	W. J. McFerran	773,154	Oct. 25	4054	860	112	1901
Oil. Refining	J. C. Fleming	749,925	Jan. 19	2802	597	108	660
Oil-separator.	J. F. Hale	752,066	Feb. 16	2408	537	109	1611
Oil-separator.	M. P. Osbourn	762,999	Feb. 23	4247	946	108	2037
Oil-separators. Apparatus for controlling the discharge of drips from	M. P. Osbourn	767,709	Apr. 16	3170	664	111	1780
Oil-storing means	A. J. Smithson	762,601	June 14	1940	419	110	1878
Oil-strainer and journal-preserver	A. B. Warner	769,966	Sept. 13	1576	336	112	372
Oil-supply indicator	J. Meehan	777,528	Dec. 13	2074	457	113	1809
Oil-supply system.	H. C. Hanson	748,727	Jan. 5	326	73	108	72
Oil-switch	W. H. Cole	750,811	Feb. 2	47	10, 11	108	1067
Oil-switch.	H. F. Ball	760,602	May 24	3999	850	110	950
Oil-switch. Automatic.	M. von Recklinghausen	760,400	May 17	3599	759	110	843
Oil-switch. High-tension.	H. P. Ball	760,601	May 24	3994	849	110	949
Oil-switch. Quick-break	M. von Recklinghausen	759,916	May 17	3676	562	110	636
Oil under water-pressure. System of supplying	D. H. Mosteller	761,091	May 31	5034	1008	109	1190
Oil vaporizer and burner	G. S. Rider	756,410	Apr. 5	444	91, 92	109	1437
Oil-waste press.	A. D. Peirce	769,015	Aug. 30	5914	1239	111	2429
Oils from wood. Manufacturing pine-	F. S. Clark and E. A. Harris	771,850	Oct. 11	1266	284	112	1244
Oils. Making watery solutions of mineral and rosin.	F. Boleg	761,939	June 7	649		110	1582
Oils. Treating	F. B. Pope	749,322	Jan. 12	1582	334	108	380
Oils. Treating	A. C. Calkins	769,681	Sept. 6	1039	224	112	237
Oiler	F. E. Warner	762,565	June 14	1887	406	110	1867
Oiler.	F. G. Godley	773,790	Nov. 1	384	106	113	113
Oiler. Axle.	J. C. Lambert	769,215	Feb. 17	3274	770	112	770
Oiler. Crank-pin	J. H. Deare	752,047	Feb. 16	2373	530	108	1603
Oiler for shaft-bearings.	W. M. Coffman	771,231	Oct. 4	20	4	112	965
Oiler. Hand.	F. J. Schiedt	762,754	June 14	2279	497	110	1949
Oiler or oil-can	H. M. Edwards and A. C. Rantsch	759,976	May 17	2803	586	110	666
Oiler. Pocket.	A. F. and W. Meisselbach, Jr	774,328	Nov. 8	1336	329	113	363
Oiler. Traveling	J. M. Gard	750,960	Feb. 2	339	80	108	1133
Oiler. Trolley-wheel	W. J. Sloan and J. E. Robinson	776,371	Dec. 6	826	178	113	1608
Oiler. Wheel.	S. E. Graves	759,699	May 10	2248	465	110	524
Oiler. Windmill.	S. E. Burke	749,536	Jan. 12	2017	419	108	472
Oiling apparatus. Felty.	D. D. Frisbee	773,824	Dec. 27	4659	1018	112	2484
Oiling device.	E. C. Ferris and C. Rousseau	768,038	Aug. 23	3863	809	111	1949
Oiling device.	W. W. Nugent	774,969	Nov. 15	2802	600	113	661
Oiling device.	F. Farmer	751,063	Feb. 2	517	131	108	1173
Oiling device.	J. S. Giles	751,067	Feb. 2	523	132	108	1174
Oiling device.	J. S. Giles	751,068	Feb. 2	524	132	108	1174
Oiling device.	J. S. Giles	774,370	Nov. 8	1423	304	113	337
Oiling device. Track	A. M. Frazee	756,617	Apr. 5	810	175	109	1514
Oleo-resin from the peel of citrus fruits. Extracting.	E. J. Sheehan	775,502	Nov. 22	3972		113	953
Onion-topping machine.	F. J. Sheehan	775,546	Nov. 22	4091		113	979
Opera-chair standard. Adjustable	W. D. Haskell	765,862	July 26	3902	855	111	609
Operating glass. Folding	F. Hausle	761,377	May 31	5594	1191	110	1311
Operating pad or receptacle.	E. Batault. (Reissue)	12,223	June 21	3410	742	110	2220
Operating-table	C. W. Meinecke and D. Hogan	762,737	June 14	2230	484	110	1899
Ophthalmic cabinet	F. F. Lawrence	765,389	July 19	2377	623	111	680
Ophthalmometer	L. C. Lawall	760,438	May 24	3721	788	110	888
Ophthalmoscope	J. E. Chambers	760,421	May 24	3640	770	110	868
	H. L. De Zeng and P. S. Reid	750,099	Jan. 19	3127	671	108	728

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.	Vol.	Page.
Ophthalmoscope	C. McCormick	758,092	Apr. 26	3758	817	109	2199
Optical and mathematical instrument	P. A. Geier	774,515	Nov. 8	1878	408	113	436
Optical appliance	J. Harraes	756,958	Apr. 12	1480	326	109	1674
Optical device	M. F. Shea	730,711	Jan. 26	4261	925	108	990
Optical illusions. Apparatus for producing	F. J. Straub	754,100	Mar. 8	1700	361	109	403
Optical illusions. Apparatus for producing	M. C. Hopkins	769,799	Sept. 13	1250	269	112	299
Optical testing instrument	E. Eimer	767,384	Aug. 9	2429	510	111	1597
Optician's pliers	J. H. Starbuck	764,212	July 5	626	127	111	189
Optometer	W. J. Laughlin	754,223	Mar. 8	1987	443	109	453
Optometer	H. C. Paul	766,969	Aug. 9	1736	364	111	1447
Optometrist's trial-frame	C. L. Hogue	748,732	Jan. 5	333	74.75	108	74
Orange-washing machine	A. Taplin	772,441	Oct. 18	2487	544	112	1585
Order-board	H. Kaplan	773,749	Nov. 1	411	91	113	97
Ordinance	W. H. Bevans	775,793	Nov. 22	4576	970	113	1083
Ordinance	J. E. Sheriff and F. L. Nichols	777,437	Dec. 13	1902	419	113	1864
Ordinance automatic firing device	L. Obry	754,885	Mar. 15	3336	729	109	768
Ordinance. Breech-loading	V. C. Tasker	751,761	Feb. 9	1806	411	108	1459
Ordinance. Breech-loading	C. W. Bartholmes	765,805	July 26	3841	818	111	875
Ordinance. Breech-loading	A. H. Emery	772,345	Oct. 18	2295	504	112	1492
Ordinance. Breech-loading	A. H. Emery	777,010	Dec. 6	1095	505	113	1670
Ordinance breech mechanism	J. W. Stockett	760,085	May 17	3007	628	110	712
Ordinance breech mechanism	A. T. Dawson and G. T. Buckham	778,174	Dec. 20	3384	743	113	2188
Ordinance firing-pins. Retracting attachment for	G. Gerdorn	751,847	Feb. 9	1981	450	108	1498
Ordinance recoil-carriage	O. Behnke	736,305	Apr. 5	14	3.4	109	1346
Ordinance. Smoke and gas ejector for	A. Boucher and T. J. McCloskey	759,803	May 10	2460	515	110	572
Ore-agglutinating apparatus	E. A. Uehling	732,736	Feb. 23	3693	823	108	1913
Ore and pulp sampler. Automatic	C. Allen	754,912	Mar. 15	3379	739	109	772
Ore and slime separator. Automatic	C. Allen	754,911	Mar. 15	3376	738	109	772
Ore-breaker. Prospector	A. C. Calkins	761,579	May 31	5940	1274	110	1390
Ore bricks. Manufacturing	J. Koeniger	755,372	Mar. 22	4225	312	109	973
Ore, coal, &c. Apparatus for feeding	W. R. Smith	766,539	Aug. 2	810	171	111	1218
Ore-concentrating table	G. A. Overstrom	763,786	June 28	4294	934	110	2432
Ore-concentrating table	G. A. Overstrom	763,787	June 28	4298	934	110	2432
Ore-concentrator	T. H. Hicks	750,281	Jan. 26	3457	747	108	819
Ore-concentrator	E. M. Jahraus	750,367	Jan. 26	3616	785	108	856
Ore-concentrator	H. S. Bailey and W. E. Wild	751,971	Feb. 9	2221	501	108	1552
Ore-concentrator	C. G. Weller	756,305	Apr. 5	223	46	109	1392
Ore-concentrator	G. E. Woodbury	737,008	Apr. 12	1583	346	109	1604
Ore-concentrator	W. L. and F. S. Card	758,412	Apr. 26	4394	946	109	2340
Ore-concentrator	J. Shier	758,565	Apr. 26	4705	1015	109	2411
Ore-concentrator	S. Beer	764,979	July 12	2213	457	111	500
Ore-concentrator	F. N. Rogers	765,042	July 12	2317	482	111	521
Ore-concentrator	H. E. Marsh	766,718	Aug. 2	1191	250	111	1305
Ore-concentrator	C. A. Christensen	767,966	Aug. 16	3589	759	111	1870
Ore-concentrator	G. E. Perkins	769,231	Sept. 6	185	44	112	41
Ore-concentrator	I. A. Cammett and F. E. Shepard	769,431	Sept. 6	573	125	112	130
Ore-concentrator	A. Guionneau	770,283	Sept. 20	2188	456	112	528
Ore-concentrator	A. H. Stebbins	773,944	Nov. 29	4881	1033	113	1167
Ore-concentrator	A. H. Stebbins	775,945	Nov. 29	4885	1034	113	1168
Ore-concentrator	I. A. Cammett	777,837	Dec. 20	2713	1597	113	2051
Ore-concentrator. Centrifugal	E. R. Week	757,699	Apr. 19	2991	538	109	2015
Ore-crushing mill	E. A. Wall	755,725	Mar. 29	4897	1090	109	1135
Ore drainage and leaching tank	J. F. Webb	772,339	Oct. 18	2383	524	112	1511
Ore-grinder	W. G. Phipps	749,630	Jan. 12	2192	461	108	511
Ore-grinding mill	C. C. Pratt	774,273	Nov. 8	1428	306	113	338
Ore-leaching apparatus	W. S. Jones	777,379	Dec. 13	1799	399	113	1840
Ore-mill	W. E. Wild	752,158	Feb. 16	2540	566	108	1641
Ore-pockets, &c. Gate for	F. K. Hoover and A. J. Mason	753,076	Feb. 23	4396	977	108	2072
Ore-pulp to concentrating-tables. Apparatus for distributing	W. Carkeek	756,327	Apr. 5	264	55	109	1400
Ore-pulp washer and concentrator	F. E. Parker	766,090	Apr. 26	4309	923	111	977
Ore-pulverizer. Impact	J. Thame	757,069	July 12	1706	370	109	1721
Ore-pulverizing mill	W. Taylor	761,266	May 31	5372	1142	110	1262
Ore reduction. Device for separating slimes in	O. P. Ankeny	764,973	July 12	2203	456	111	498
Ore roasting and oxidizing apparatus	L. H. Allen	766,156	July 26	4520	926	111	1022
Ore-roasting furnace	W. H. Smyth	761,049	May 24	4941	1048	110	1149
Ore-roasting furnace	W. H. Smyth	761,050	May 24	4945	1048	110	1151
Ore-roasting furnace	G. H. Shellabarger	765,997	July 26	4192	885	111	952
Ore-roasting furnace	G. H. Shellabarger	765,998	July 26	4198	886	111	953
Ore-roasting furnace	A. P. O'Brien	775,147	Nov. 15	3178	675	113	749

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Ore-roasting furnace. Rotary-rabbed	T. D. Merton	759,780	May 10	2307	479	110	588
Ore-sampling machine	W. L. Raht	751,340	Feb. 2	1054	480	108	1289
Ore-screen. Shaking	J. A. Traylor	777,317	Dec. 13	1669	370	113	1813
Ore-separating apparatus	H. F. Campbell	770,796	Sept. 27	3160	670	112	763
Ore-separator	H. J. Burroughs	752,927	Feb. 16	2341	321	108	1596
Ore-separator	H. A. Allen	762,866	June 21	2507	542	110	2021
Ore-separator	H. A. Allen	762,867	June 21	2509	543	110	2021
Ore separator and concentrator	C. Van Hoesen	763,444	June 28	3653	787	110	2295
Ore-separator. Dry	E. W. and W. H. Noakes	758,097	Apr. 26	3775	820	109	2204
Ore-separator. Electromagnetic	E. M. Oviatt and A. Dean	751,100	Feb. 2	583	135	108	1185
Ore-separator. Electromagnetic	Dean	751,150	Feb. 2	673	154	108	1303
Ore-separator. Magnetic	W. L. Inlay	758,655	May 8	92	19, 20	110	25
Ore-separator. Magnetic	F. J. King	765,013	July 12	2264	468	111	511
Ore-separator. Pneumatic dry	E. M. Jahraus	750,396	Jan. 26	3613	781	108	855
Ore sizer and concentrator	A. H. Phinney	763,019	June 21	2780	612	110	2081
Ore-slimer	I. F. Monell	763,197	June 21	3140	675	110	2162
Ore-treating apparatus	T. A. Helm	755,871	Mar. 29	5198	1149	109	1204
Ore-treating apparatus	H. A. Allen	762,869	June 21	2514	545	110	2022
Ore-treating furnace	C. C. Wilson	760,941	May 24	4699	1002	110	1099
Ore-treating furnace	A. M. Beam	761,646	June 7	14	3, 4, 5	110	1438
Ore-washer	F. H. Frankenberg	764,448	July 5	1103	224	111	244
Ore-washer	A. H. Stebbins	775,948	Nov. 29	4896	1035	113	1170
Ore washer and separator	S. B. Wise	765,801	July 26	3836	817	111	874
Ore-washing machine	G. Seberg	774,704	Nov. 8	2227	487	113	511
Ore washing or concentrating machine	E. A. Wall	771,107	Sept. 27	3786	799	112	902
Ores and tailings by electrolysis. Treating low-grade	E. Fahrigr	756,223	Apr. 5	62	14	109	1356
Ores by dissolving in molten baths. Recovering values from	R. Baggaley and C. M. Allen	766,654	Aug. 2	1056	221	111	1275
Ores. Classification of the metallic constituents of	A. E. Cattermole	763,259	June 21	3251	702	110	2186
Ores. Concentrating	A. H. Schwarz	771,277	Oct. 4	112	25	112	986
Ores. Concentration of minerals from	A. E. Cattermole, H. L. Sulman, and H. F. Kirkpatrick-Picard	777,274	Dec. 13	1584		113	1793
Ores from gangue. Separation of the metallic constituents of	A. E. Cattermole	763,260	June 21	3254	702	110	2187
Ores from gangue. Separation of the metallic constituents of	A. E. Cattermole	777,273	Dec. 13	1581	333	113	1793
Ores from magnetic gangue. Separating	T. A. Edison	754,756	Mar. 15	3086	674	109	709
Ores, liquids, or gases. Apparatus for treating solids, such as	P. Naef	756,271	Apr. 5	153	32	109	1376
Ores. Lixiviating	P. Naef	749,700	Jan. 12	2336	493	108	541
Ores, mattes, &c. Treating	J. A. Potter	754,150	Mar. 8	1856	494	109	427
Ores. Reducing	H. F. Brown	774,980	Nov. 15	2739	588	113	648
Ores. Treating	J. Smith	755,951	Mar. 29	5363		109	1239
Ores. Treating	W. F. Hannes	758,532	Apr. 26	4638	998	109	2396
Ores. Treating plumbiferous	E. W. Engels	755,232	Mar. 22	3934		109	909
Ores. Treating refractory	W. J. Hines	751,401	Feb. 2	1135		108	1303
Organ	D. Schustek	754,713	Mar. 15	3017	659	109	693
Organ attachment. Pipe	N. Olsson	777,133	Dec. 13	1340	296	113	1740
Organ cell-board. Reed	C. D'Estes and J. B. Kram	755,463	Mar. 22	4987	972	109	1005
Organ. Folding	A. L. White	776,004	Nov. 29	5018	1038	113	1200
Organ-keyboards. Apparatus for warming	Q. M. Waidenschlager	757,075	Apr. 12	1713	372	109	1723
Organ. Mechanically-actuated	C. I. D. Looft and F. A. Knapp	760,684	May 24	4579	977	110	1074
Organ. Pipe	H. F. Hammer	752,671	Feb. 23	3591	800	108	1891
Organ. Pipe	F. Zebrowski	759,338	May 10	1552	312	110	373
Organ-valve. Pneumatic	W. E. Haskell	760,114	May 17	3067	642	110	725
Organ wind-chest. Pipe	T. Clausang	758,048	Apr. 26	3675	797	109	2184
Organs. Pneumatic-coupler for pipe or reed	W. E. Haskell	760,115	May 17	3069	642	110	725
Ornament	P. Wundsch and F. Lange	753,781	Mar. 1	1097	249	109	287
Ornamental articles. Holder for forming	A. A. von Renthe-Fink	753,629	Mar. 1	782	174	109	170
Ornamental comb. Adjustable	W. J. Hines	752,680	Feb. 23	3627	884	108	1305
Ornamental fabric	E. S. Waizfelder	757,851	Apr. 19	3280	710	109	2076
Ornamental stand	E. G. Hess	774,753	Nov. 15	2377	513	113	568
Ornamental structures. Device for forming	L. B. Christopherson	766,595	Aug. 2	932	196	111	1248
Ornamented or lettered articles. Manufacturing	R. K. Duncan	748,850	Jan. 5	560		108	126
Orograph instrument	H. G. J. Stang	770,988	Sept. 27	3545		112	850
Orrery	J. P. Wesson	749,508	Jan. 12	1981	411	108	464
Oscillaphone	W. W. Massie	769,005	Aug. 30	5891	1235	111	2424
Oscillating motor	T. M. Foote	775,560	Nov. 22	4126	913	113	987
Oscillating-piston engine	F. H. Lindner	756,664	Apr. 5	894	196	109	1532
Otoscope	P. T. Geyerman	765,887	July 26	3985	850	111	907
Outlet-box	H. Krantz	749,442	Jan. 12	1544	384	108	494
Oven	G. Kuebler	771,877	Oct. 11	3114	297	112	1254
Oven. Bake	H. Heacker	754,866	Mar. 15	3304	720	109	757
Oven. Bake	C. F. Dietz	775,913	Nov. 29	4815	1020	113	1152
Oven. Baker's	W. Lemb	755,507	Mar. 22	4454	989	109	1019
Oven. Baker's	B. Yere	762,461	June 14	1657	338	110	1818
Oven. Baker's	G. S. Baker	768,719	Aug. 30	5315	1118	111	2293
Oven. Baking	F. N. McCreary	768,675	Aug. 30	5293	1099	111	2374
Oven. Baking	H. Harris	769,077	Aug. 30	6026	1263	111	2452
Oven-door indicator	H. E. Stelts	776,699	Dec. 6	464	103	113	1530

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g	Vol.	Page.
Oven. Draw-plate.	G. S. Baker	751,445	Feb. 9	1927	280	108	1936
Oven. Drying.	M. M. Suppes and O. Phelps	758,203	Aug. 23	4232	889	111	2044
Oven. Electric roasting.	G. E. Duterre.	764,994	July 12	2237	462	111	505
Oven-front.	F. J. Albrecht	754,035	Mar. 8	1630	363	109	375
Oven-front.	F. J. Albrecht	760,945	May 24	4712	1004	110	1109
Oven. Knockdown.	W. H. Dahman	753,899	May 3	645	129	110	152
Oven. Portable	C. H. Boeck	772,999	Oct. 25	3586	777	112	1791
Oven. Reel.	W. W. Higgins	751,169	Feb. 2	717	165	108	1211
Oven. Traveling	T. and J. Vicars, Jr	755,194	Mar. 22	3892	858	109	901
Overalls.	H. S. Lanier	755,731	Mar. 29	5019	1116	109	1160
Overalls.	W. C. McLaury	756,396	Apr. 5	412	56	109	1432
Overalls.	J. Landers	763,407	June 28	3574	771	110	2278
Overalls.	C. Fasoldt	765,156	July 12	2544	531	111	567
Overflow-alarm	E. A. Reeves	753,518	Mar. 1	573	131	109	125
Overflow-alarm	E. M. Weeks	756,999	Apr. 12	1505	343	109	1691
Overhead carrier and track for same.	H. C. Smith	773,907	Nov. 1	332	183	113	212
Overseaming-machine cord-guide	A. Spielmann	763,100	June 7	932	193	110	1639
Overshoe attachment.	W. H. Tillson	757,365	Apr. 12	2302	1302	109	1849
Overshoe-holder	J. Stawartz.	763,934	June 28	4578	1001	110	2491
Oxalates. Making	F. Rieche and O. Saame.	748,731	Jan. 5	494	108	97	
Oxidizing and drying textile material. Apparatus for	J. W. Fries	757,104	Apr. 12	1780	890	109	1737
Oxidizing organic compounds.	M. Moest	757,136	Apr. 12	1855	109	1754	
Oyster-tongs pivot-bolt	G. M. Kilmon	778,413	Dec. 27	3884	846	113	2314
Ozoulizer	A. Vosmaer and A. Lebreut	754,201	Mar. 8	2051	456	109	428
Package.	E. Price	763,903	July 26	4012	856	111	913
Package and closure therefor	B. S. Case	753,543	Mar. 1	628	142	109	138
Package-can	M. and P. Shalita	769,498	Sept. 6	713	154	112	162
Package. Candy.	D. J. O'Brien	777,132	Dec. 13	1328	296	113	1740
Package-carrier	C. Lederman	753,082	Feb. 2	446	980	109	2071
Package-carrier.	O. Leuschner	763,104	June 21	2949	636	110	2118
Package-carrier.	T. Harris and O. E. Schobert	767,884	Aug. 16	3513	743	111	1854
Package-closure	H. M. Weaver	771,850	Oct. 11	1240	275	112	1238
Package-fastener	J. Graham	769,132	Aug. 30	6142	1284	111	2478
Package-fastener	D. J. McLean	753,727	Mar. 1	984	223	109	212
Package-fastener	E. H. Jaquith	778,316	Dec. 27	3679	802	113	2368
Package. Knockdown	J. M. and J. J. Callaway	758,957	May 3	754	150	110	175
Package or crate, Collapsible	W. L. Haines and R. J. Gray, Jr.	767,051	Aug. 9	1883	394	111	180
Package. Paper-faster	S. H. Cliff	768,423	Aug. 23	4694	983	111	212
Package record-retainer. Liquid	T. Pendergast	750,390	Jan. 26	3654	794	108	864
Package. Shipping.	J. A. Bower	754,537	Mar. 15	2668	579	109	619
Package. Shipping.	H. C. Finley	756,613	Apr. 5	799	173	109	1512
Package-tie	I. E. Booth	770,553	Sept. 20	2700	571	112	643
Package-tie fastener	W. A. Cross	760,428	May 24	3555	773	110	872
Package-tying device	D. A. Carpenter	767,204	Aug. 9	2208	460	111	1548
Package wrapping and labeling machine	F. M. Peters and H. H. Hungerford.	770,096	Sept. 20	2060	631	112	704
Packages, boxes, &c. Separator-follower for	F. E. Sagendorph, 2d, and B. J. Steinberg.	769,025	Aug. 30	5938	1244	111	2495
Packages. Device for applying fluid-pressure to the insides of	G. E. O'Neill	776,538	Dec. 6	141	32	113	1456
Packages from loose unpacked materials and unfolded wrappers. Producing wrapped	O. N. Nord	762,931	June 21	2629	570	110	2048
Packages. Mechanism for filling and setting goods in	W. H. Doble	767,393	Aug. 16	2548	536	111	1640
Packaging candies, &c. Machine for	E. F. W. Wieda	768,103	Aug. 23	4045	851	111	1992
Packaging-clip	C. E. Beisel	749,834	Jan. 19	2620	560	108	620
Packaging-machine	H. D. Winton	772,855	Oct. 18	3295	719	112	1705
Packaging-machine	A. and J. H. McLeod	774,774	Nov. 15	2420	521	113	577
Packaging-machine. Automatic	A. and J. H. McLeod	778,759	Dec. 27	4526	991	113	2454
Packaging machine. Candy	E. F. W. Wieda	768,104	Aug. 23	4049	852	111	1994
Packaging-machine conveying and delivering means	D. Fiddell	766,294	Dec. 12	181	35, 36	111	1081
Packed joint	F. B. Clark	757,992	Apr. 19	3548	768	109	2136
Packet-closure	A. Tramezzani	762,504	June 14	1741	374	110	1835
Packet-flats. Manufacture of.	H. G. Eckstein	772,406	Oct. 18	2423	531	112	1530
Packing	W. J. M. Weaver	751,854	Feb. 9	3048	469	108	1514
Packing	H. T. Evans	753,905	May 3	654	131	110	154
Packing	A. O. Van Dervort	759,330	May 10	1538	309	110	370
Packing	E. A. Horn	763,398	June 28	3552	765	110	2273
Packing	A. L. Cole and J. L. Sackett.	777,275	Dec. 13	1585	353	113	1793
Packing and display box	J. Baderker	777,655	Dec. 20	2355	318	113	1975
Packing-box	A. Acheson	770,042	Nov. 29	5089	1074	113	1216
Packing-box	M. O. Anthony	757,591	Apr. 19	2776	607	109	1967
Packing-box	J. J. Hinde	758,138	Apr. 26	3853	836	109	2222
Packing-box	F. M. Lum	758,991	May 3	809	163	110	187
Packing-case.	A. T. Kruse	771,372	Oct. 4	303	67	112	1026
Packing-case. Folding	O. Clawson	777,601	Dec. 13	2247	409	113	1937
Packing-case or crate	W. Wilson and T. W. Baker	753,342	Mar. 1	327	52	109	52
Packing-case or the like fastening	J. Irvine	773,659	Oct. 18	2903	630	112	1624
Packing. Composition	W. L. Gile	768,277	June 21	3282	708	110	2192
Packing. Compressible piston	J. C. Kitton	760,632	May 24	4071	865	110	69
Packing-cup.	R. Burnside	758,410	Apr. 26	4392	944	109	2240
Packing device for rotary-motor stuffing-boxes. Adjustable	S. George	760,534	Jan. 26	3947	855	108	923
Packing device for turbine-shafts	J. Wilkinson	760,168	May 17	3190	669	110	752
Packing for piston-rods, &c	J. P. Gundlach	765,479	July 19	3179	664	111	781
Packing for piston-rods. Metallic	F. E. Small	757,062	Apr. 1	1594	368	109	1719
Packing-gasket	J. J. and A. B. Schier	761,325	May 31	5490	1168	110	1227

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Packing-gland for throttle-stems.....	J. D. Sturtz.....	756,731	Apr. 5	1035	229	109	1564
Packing. Journal.....	J. G. Hendrickson.....	764,890	July 12	2032	420	111	461
Packing-machine.....	W. Rose.....	762,255	June 7	1214	261	110	1708
Packing. Manhole.....	J. K. Munson.....	749,969	Jan. 19	2871	614	108	675
Packing. Metallic.....	E. James.....	738,494	Mar. 1	514	119	109	113
Packing. Metallic.....	H. Roberts.....	733,810	Mar. 1	1189	267	109	256
Packing. Metallic.....	A. Meuser and C. G. Arthur.....	738,675	May 8	139	30	110	84
Packing. Metallic.....	V. Schwabe.....	762,202	June 7	1116	239	110	1681
Packing. Metallic.....	J. J. Redner.....	769,566	Sept. 6	833	177	112	188
Packing. Metallic.....	H. P. Tippet.....	770,482	Sept. 20	2555	544	112	609
Packing. Metallic.....	H. P. Tippet.....	770,483	Sept. 20	2556	545	112	609
Packing. Metallic.....	J. Jacobson.....	772,714	Oct. 18	3081	665	112	1632
Packing. Metallic.....	B. W. Cribb.....	772,738	Oct. 18	3176	691	112	1681
Packing. Metallic.....	F. F. Swain.....	774,402	Nov. 8	1660	356	113	389
Packing. Metallic.....	H. Thompson.....	774,709	Nov. 8	2242	489	113	514
Packing. Metallic.....	H. Thompson.....	774,710	Nov. 8	2244	489	113	514
Packing. Metallic.....	J. A. Magnusson.....	774,886	Nov. 15	2659	669	113	627
Packing. Metallic.....	G. D. Rollins.....	775,193	Nov. 15	3290	701	113	773
Packing. Metallic.....	G. D. Rollins.....	775,194	Nov. 15	3281	701	113	773
Packing. Metallic piston-rod.....	G. E. Ericsson.....	775,213	Nov. 15	3340	712	113	786
Packing. Metallic piston-rod.....	F. S. Miller.....	770,016	Sept. 13	1674	353	112	396
Packing. Metallic ring.....	J. C. Paine.....	774,480	Nov. 8	826	396	113	415
Packing. Metallic rod.....	W. C. Eberhardt.....	754,983	Mar. 22	3518	770	109	819
Packing. Metallic rod.....	W. Köllermeyer.....	765,740	July 26	3699	789	111	846
Packing or cushion for shipping purposes.....	I. H. Walker.....	768,494	Aug. 23	4826	1011	111	2169
Packing. Piston.....	C. E. Dawson.....	732,046	Feb. 16	2372	530	108	1603
Packing. Piston.....	W. H. Myers.....	765,033	July 12	2296	478	111	517
Packing. Piston and piston-valve.....	M. M. Barnes.....	767,728	Aug. 16	3290	673	111	1787
Packing. Piston and piston-valve.....	J. T. Wilson.....	759,581	May 10	2027	414	110	477
Packing. Piston and piston-valve.....	T. S. Wilson.....	759,582	May 10	2028	415	110	478
Packing. Piston-rod.....	T. S. Inge.....	763,000	June 21	2748	590	110	2074
Packing. Piston-rod.....	H. P. Rhodes.....	770,926	Sept. 27	3429	723	112	823
Packing. Piston-rod.....	W. W. Benson.....	772,640	Oct. 18	2874	632	112	1617
Packing. Piston-rod.....	J. M. Rhodes.....	778,708	Dec. 27	4427	970	113	2433
Packing. Plunger.....	W. E. McIntire.....	756,880	Apr. 12	1322	295	109	1640
Packing-ring.....	S. B. Mack.....	761,593	May 31	3066	120	110	1306
Packing-ring. Jointed piston-head.....	J. Murphy.....	768,136	Aug. 23	4112	864	111	2007
Packing-ring. Piston.....	W. M. Fletcher.....	765,422	July 19	3044	637	111	695
Packing-rings and slide-valves in air-brake triples and engineers' valves. Machine for grinding the.....	G. M. Curran.....	762,469	June 14	1682	363	110	1823
Packing. Rod.....	F. Pinch.....	753,731	Mar. 1	990	294	109	214
Packing. Rod.....	J. Hodge.....	754,065	Mar. 8	1682	374	109	387
Packing. Rod.....	J. Hodge.....	754,139	Mar. 8	1825	406	109	419
Packing. Rod.....	N. H. Albrecht.....	754,884	Mar. 15	3233	704	109	741
Packing. Rod.....	H. W. Goodall.....	756,621	Apr. 5	816	176	109	1515
Packing. Rod.....	L. W. Caldwell.....	769,697	Apr. 19	2784	609	109	1999
Packing. Rod.....	O. J. Garlock.....	769,684	Sept. 6	1044	225	112	238
Packing. Rod.....	A. W. Krieger.....	771,430	Oct. 4	431	98	112	1048
Packing. Rod.....	D. H. Stewart.....	778,430	Dec. 27	3912	852	113	2320
Packing. Rod.....	C. L. Cook.....	778,635	Dec. 27	4322	943	113	2410
Packing. Self-adjusting polish-rod.....	D. Crocker.....	760,313	May 17	3443	735	110	808
Packing. Shaft.....	G. E. Hibbard.....	750,766	Jan. 26	4415	951	108	1028
Packing. Shaft liquid-seal.....	C. L. Cook.....	776,296	Nov. 29	5561	1178	113	1323
Packing-stand.....	W. G. Bond.....	759,069	May 8	955	194	110	218
Packing. Stuffing-box.....	R. Klinger.....	765,015	July 12	2268	470	111	511
Packing. Valve-stem.....	E. P. Coleman.....	750,090	Jan. 19	3110	668	108	723
Packing. Throttle-valve-stem.....	S. Lockhart.....	773,949	Nov. 1	835	175	113	192
Packing. Turbine-shaft.....	C. A. Backstrom.....	773,910	Nov. 29	4809	1019	113	1151
Pad:							
See Apparel-pad.....	Horseshoe-pad.....						
Blotting-pad.....	Inking-pad.....						
Cleaning and wax- ing pad.....	Memorandum-pad.....						
Coat-pad.....	Moistening-pad.....						
Finger-pad.....	Soldering-pad.....						
Form-pad.....	Surgical pad.....						
Furniture-pad.....	Surgical or operating pad.....						
Furniture foot-pad.....	Transfer-pad.....						
Harness-pad.....	Truss-pad.....						
Hoof-pad.....							
Horse-hoof pad.....							
Horse-hoof moisture-pad.....							
Pad.....	M. E. Buckley.....	756,375	Apr. 5	741	161	109	1499
Pad-forming machine.....	E. J. Stewart.....	763,218	June 21	3177	683	110	2171
Pad-holder.....	L. W. French and C. E. Decker.....	763,693	Mar. 1	922	209	109	199
Pad-holder.....	M. G. Whitney.....	762,012	June 7	778	159	110	1608
Pad-holder.....	C. F. Birkenstamm.....	762,013	June 14	1974	426	110	1885
Pad-holder.....	L. W. French and C. E. Decker.....	774,661	Nov. 8	2145	469	113	491
Pad-hook.....	O. H. Muntz.....	748,773	Jan. 5	404	93	108	90
Pad or tablet cutting machine.....	C. F. Taylor.....	758,156	Apr. 26	3882	842	109	2230
Pad or tree-protector.....	G. E. Brown.....	757,437	Apr. 19	2453	536	109	1897
Paddle-wheel.....	T. J. Campbell.....	753,353	Mar. 1	253	57, 58	109	57
Paddle-wheel.....	E. Chaquette.....	759,238	May 10	1350	271	110	330
Paddle-wheel. Vessel.....	E. H. H. Gottlebe.....	754,991	Mar. 22	3531	773	109	822
Padlock.....	W. A. Matrolis.....	751,528	Feb. 9	1365	312	108	1368
Padlock.....	J. B. Miller.....	754,479	Mar. 15	2555	556	109	595
Padlock.....	P. P. Brannon.....	765,546	July 19	3297	691	111	748

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Padlock	E. T. Fraim	768,741	Aug. 30	5357	1128	111	2208
Padlock. Permutation	F. T. Anderson	752,020	Feb. 16	2334	522	108	1355
Padlock. Permutation	D. F. Llewellyn	752,247	Feb. 16	2344	655	108	1733
Padlock. Permutation	S. W. K. Miller	759,540	May 10	1947	399	110	461
Padlock. Permutation	E. Litts	778,833	Dec. 27	4679	1023	113	2488
Padlock. Seal	W. L. Sebring	751,691	Feb. 9	1672	379	108	1432
Pages. Device for facilitating the turning of.	J. Vickery	772,194	Oct. 11	1968	438	112	1401
Pail	J. W. Nichols	755,334	Mar. 22	3835	876	109	914
Pail	C. Puddefoot and E. Briscoe	756,406	Apr. 5	437	90	109	1436
Pail and heater. Combined dinner-	S. C. Hays	761,047	May 24	4938	1046	110	1149
Pail attachment	G. Falk	769,258	Sept. 6	239	55	112	52
Pail attachment. Milk	M. F. Potter	765,511	July 19	3237	677	111	736
Pail-cover	G. J. Johnson	777,791	Dec. 20	2800	574	113	3028
Pail. Dinner	H. Sobey	763,437	June 28	3642	784	110	2293
Pail. Milk	J. H. King	753,984	Mar. 8	1536	342	109	355
Pail. Milk	E. J. Barton	756,318	Apr. 5	248	51	109	1396
Pail. Milking	C. E. North	760,700	May 24	4215	896	110	996
Pail. Non-spillable milk	J. H. King	778,078	Dec. 27	4382	847	113	2482
Pail protector. Milk	I. and R. C. Fleming	758,831	May 3	501	100	110	121
Pail. Slop	E. Pierce	768,924	June 28	4562	996	110	2487
Pail. Steam dinner	J. T. Lemus	773,654	Nov. 1	223	50	113	54
Pail. Telescopic measuring	C. Fisher	750,632	Jan. 26	4110	890	108	958
Paint-buckets in permanent position on the roofs of buildings. Device for holding	L. Wallace	753,942	Mar. 8	1458	328	109	396
Paint composition	W. A. Hall	771,241	Oct. 4	36	-----	112	968
Paint composition	W. A. Hall	775,919	Nov. 29	4825	-----	113	1154
Paint compound or mixture	W. N. Blakeman, Jr	767,693	Aug. 16	3124	-----	111	1769
Paint-dipping machine	H. L. Bornman	755,349	Mar. 22	4180	924	109	936
Paint-nail scraper device	F. J. Farrell	778,020	Dec. 30	3101	681	113	2127
Paint-sprayer	H. R. Cooper, Sr	749,774	Jan. 19	2508	533	108	597
Paint tube or receptacle. Non-collapsible	A. W. Ziegler	769,928	Sept. 13	1508	323	112	358
Paints and paint vehicles. Production of	E. H. Strange and E. Graham	766,740	Aug. 2	1320	-----	111	1314
Painter's appliance	T. B. Hines	768,384	Aug. 23	4543	953	111	2102
Painter's palette-box	F. T. Weber	776,443	Nov. 29	5849	1236	113	1390
Painting apparatus	J. J. Allen	769,372	Sept. 6	473	105	112	108
Painting apparatus. Wheel	W. B. Long	749,622	Jan. 12	2178	457	108	508
Painting-machine	G. Russell	750,307	Jan. 26	3502	758	108	839
Painting-machine	C. E. Bell	768,573	Aug. 30	3621	1181	111	2361
Painting-machine	W. G. Latimer	773,151	Oct. 25	4046	857	112	1899
Painting-machine	D. Robertson	778,709	Dec. 27	4429	970	113	2433
Painting or liquid-coating machine. Automatic	O. S. Mills	768,293	Aug. 23	4412	927	111	2073
Painting or varnishing machine. Slat	A. Ohl and P. Meyer	771,660	Oct. 4	867	195	112	1145
Painting stretcher-frame	W. H. Shaw	751,756	Feb. 9	1797	410	108	1457
Palettes and attachments. Artist's	T. S. Fox	765,336	July 19	2879	601	111	660
Pamphlet folding and wrapping apparatus	S. Elliott	757,728	Apr. 19	3041	661	109	2025
Pan:					662		
See Ash-pan.	Dust-pan.				663		
Bake-pan.	Pie-pan.						
Baking-pan.	Prospector's pan.						
Bed-pan.	Roasting-pan.						
Clay-grinding pan.	Surgical pan.						
Pan lid or cover holder or lifter	J. N. Thomas	776,965	Dec. 6	1016	217	113	1653
Panel	C. Shepherd	753,641	Mar. 1	802	179	109	176
Panel-board	H. O. Swoboda	752,125	Feb. 16	2516	560	108	1635
Panel. Metal-ceiling	F. G. Caldwell and O. Jaeger	768,552	June 28	4419	962	110	2438
Panel or front, &c. Flexible sliding	H. Romänder	776,551	Dec. 6	164	38	113	1462
Panel or front for furniture, &c. Flexible sliding.	H. Romänder	756,288	Apr. 5	188	39	109	1384
Panels, &c. Manufacture of molded or embossed.	T. J. Palmer	773,671	Nov. 1	262	59	113	63
Panels. Manufacture of molded or embossed	T. J. Palmer	773,889	Nov. 1	713	150	113	164
Paper and making same. Embossed wall-	A. Leisel	768,055	Aug. 23	3901	819	111	1959
Paper and making same for obtaining fast copies from writings of anilin inks.	M. H. Chapin	749,684	Jan. 12	2304	-----	108	534
Paper. Antiseptic wall	E. E. Pray	766,842	Aug. 9	1488	-----	111	1391
Paper, &c. Apparatus for folding, piling, and cutting	J. H. Spoerl	771,504	Oct. 4	555	125	112	1076
Paper. Apparatus for making cloth-lined	E. Y. Le Fevre	760,635	May 24	4075	866	110	967
Paper. Apparatus for utilizing waste product from the manufacture of	W. N. Cornell	773,479	Oct. 25	4731	999	112	2046
Paper-bag-feeding apparatus.	W. Pippert	756,279	Apr. 5	172	35	109	1811
Paper-bag forming or making machinery.	C. H. and A. Day	755,754	Mar. 29	4958	1103	109	1147
Paper-bag machine	E. Quenard	749,631	Jan. 12	2194	461	108	511
Paper-bag machine	J. P. Onderdonk	760,013	May 17	2867	600	110	680
Paper-bag machine	J. Petric	765,149	July 12	2528	638	111	564
Paper-bag making	D. Appel	762,976	June 21	2701	586	110	2064
Paper bags. Apparatus for feeding self-opening square	W. Pippert	750,302	Jan. 26	3494	756	108	827
Paper basket	J. F. Donley	773,481	Oct. 25	4734	999	112	2046
Paper-board-drying machine	T. W. McFarland	753,904	Mar. 8	1377	311	109	318
Paper-board. Machine for making	T. W. McFarland	766,461	Aug. 2	630	133	111	1177
Paper-board, &c. Means for drying	T. W. McFarland	770,772	Sept. 27	3112	660	112	752
Paper-board receptacles. Mold for making	J. H. Gasson and W. L. Douglass	771,303	Oct. 4	161	36	112	996

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Paper bookwise. Device for holding loose or removable sheets of	R. G. Whitlock	760,359	May 17	3521	741	110	826
Paper box	A. H. Plummer and M. Hess	751,906	Feb. 9	1901	431	108	1482
Paper box	F. B. Davidson	756,478	Apr. 5	577	120	109	1464
Paper box	J. T. Crow	772,694	Oct. 18	2984	655	112	1641
Paper box	D. Eisehardt and G. Stoehr	774,981	Nov. 15	2847	607	118	874
Paper box. Collapsible	F. R. Adams	756,311	Apr. 5	234	49	109	1394
Paper-box corners, &c. Fastener for	T. Pilz	775,000	Nov. 15	3063	650	113	724
Paper-box-covering machine	J. Bardelli	756,812	Apr. 12	1192	266	109	1615
Paper-box-creasing apparatus	D. J. Rex	769,235	Sept. 6	192	46	112	43
Paper-box-end-closing machine	C. H. Brooks	751,714	Feb. 9	1709	390	108	1440
Paper box. Folding	M. J. Kane	762,724	June 14	2207	479	110	1935
Paper box for packing bottles	J. T. Crow	774,044	Nov. 1	1017	217	113	230
Paper-box machine	C. W. Gay	773,318	Oct. 25	4387	928	112	1973
Paper-box-machine feed attachment	C. Shuman	763,943	June 28	4594	1003	110	2495
Paper boxes. Covering	P. S. Smith	772,750	Oct. 18	3112	678	112	1667
Paper boxes. Machine for manufacturing	J. M. Carnecross	749,917	Jan. 19	2779	594	108	656
Paper cabinet. Toilet	A. H. Scott	760,402	May 17	3603	759	110	844
Paper-clip	G. B. Dusinger	749,429	Jan. 12	1797	379	108	425
Paper-clip	E. L. Sibley	752,185	Feb. 16	2622	581	108	1660
Paper-clip	R. Gorton	761,631	May 31	6041	1296	110	1412
Paper-clip	R. Kelley	761,633	May 31	6049	1297	110	1414
Paper-clip	R. Gorton	754,719	July 12	1695	347	111	386
Paper-clip	A. Weiss	767,458	Aug. 16	2689	564	111	1672
Paper-clip	W. H. Redington	776,549	Dec. 6	159	37	113	1461
Paper-clip	F. R. Welton	776,974	Dec. 6	1026	220	113	1655
Paper clip or holder	W. Lukes	757,337	Apr. 19	3444	746	109	2113
Paper, cloth, &c., drier	C. H. Crowell	772,695	Oct. 18	2366	635	112	1641
Paper-coating machine	M. Cashin	758,169	Apr. 26	3902	847	109	2234
Paper coating or enameling composition	W. A. Hall	761,374	May 31	5550	1222	110	1311
Paper. Commercial	C. L. Pritchard	754,010	Mar. 8	1581	166	109	365
Paper-corrugating apparatus	J. T. Ferres	762,083	June 7	811	167	110	1613
Paper cuspidor	E. E. Winpenny	751,966	Feb. 9	2213	498	108	1551
Paper-cutter	A. W. Rau	773,810	Nov. 1	517	113	113	120
Paper cutter and printer. Roll	F. G. Willard	778,433	Dec. 27	3917	853	113	2321
Paper cutting and folding machine	S. D. Ruth	749,945	Jan. 19	2743	587	108	648
Paper cutting and folding machine	S. D. Ruth	766,905	Aug. 9	1605	337	111	1416
Paper cutting and folding machine	S. D. Ruth	768,484	Aug. 23	4805	1006	111	2164
Paper-cutting machine	L. Alliss	767,676	Aug. 16	3115	651	111	1767
Paper-cutting machine	D. T. Wadhams	771,448	Oct. 4	451	103	112	1053
Paper-cutting machine	D. T. Wadhams	772,544	Oct. 18	2692	591	112	1577
Paper-cutting machine	A. C. Hilsinger	773,742	Nov. 1	398	87, 88	113	95
Paper-drier	W. White	767,618	Aug. 16	3013	629	111	1745
Paper. Drying	W. M. Barber	768,242	June 21	3221	694	110	2179
Paper-drying machine	G. W. Nistle	776,197	Nov. 29	5374	1138	113	1281
Paper-drying machine. Wall	L. H. McCartney	752,993	Feb. 23	4239	944	108	2035
Paper. Embossed	W. J. Kendrick	770,299	Sept. 20	2219	463	112	360
Paper-fastener	E. L. Sibley	752,400	May 10	1684	341	110	401
Paper-fastener	C. D. Bronson and E. F. Watson	767,512	Aug. 16	2802	585	111	1698
Paper-fastener-inserting apparatus	E. L. Sibley	752,186	Feb. 16	2623	582	108	1660
Paper-fastener-inserting device	G. C. Savage	761,546	May 31	5381	1261	110	1376
Paper-fastening device	T. F. Russell	767,444	Aug. 16	2652	558	111	1664
Paper-feed-roll mechanism	S. J. Seifried	763,514	June 28	3765	813	110	3318
Paper-feeder	J. A. Keyes	765,316	July 19	2829	589	111	649
Paper, &c. Feeder for sheets of	T. and S. Emerson	765,962	July 26	4118	880	111	937
Paper-feeding and stencil-printing apparatus	A. B. Dick	749,984	Jan. 19	2904	620	108	682
Paper-feeding apparatus	A. B. Dick and E. Brasseur	749,985	Jan. 19	2910	621	108	684
Paper-feeding apparatus	A. B. Dick	749,986	Jan. 19	2913	622	108	684
Paper-feeding device	F. Schilz	751,687	Feb. 9	1663	377	108	1480
Paper-feeding device	T. G. and J. B. McGirr	757,484	Apr. 19	2547	378	109	1915
Paper-feeding device	H. S. Munson	771,384	Oct. 4	321	71	112	1029
Paper-feeding machine	C. B. Maxson	750,295	Jan. 26	3480	754	108	824
Paper-feeding machine	E. J. Hallberg	750,453	Jan. 26	3772	820	108	889
Paper-feeding machine	T. C. Dexter	754,203	Mar. 8	1933	431	109	443
Paper-feeding machine	T. C. Dexter	754,204	Mar. 8	1939	432	109	444
Paper-feeding machine	T. C. Dexter	754,205	Mar. 8	1945	433	109	445
Paper-feeding machine	T. C. Dexter and H. Hallstream	768,979	Aug. 30	5841	1227	111	2413
Paper-feeding machine	E. J. Hallberg	776,837	Dec. 6	761	166	113	1594
Paper-feeding-machine sheet-registering means	T. C. Dexter and H. Hallstream	759,971	May 17	2783	583	110	660
Paper-feeding-machine sheet-registering mechanism	T. C. Dexter and H. Hallstream	764,929	July 12	2123	440	111	451
Paper-feeding mechanism	W. A. Tarbett	750,319	Jan. 26	3536	764	108	838
Paper-feeding mechanism	J. S. Duncan	759,250	May 10	1384	275	110	336
Paper-feeding mechanism	A. H. Morton and L. P. Sherman	768,673	Aug. 30	5227	1098	111	2373
Paper-finishing machine	C. E. Torrance	767,302	Aug. 9	2405	503	111	1591

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Paper-finishing machine.	A. W. Case.	776,887	Dec. 6	860	184	113	1616
Paper fixture. Roll.	C. Fisher.	771,364	Oct. 4	292	64	112	1083
Paper-folding machine.	F. G. Nind and C. F. Strasburger.	752,853	Feb. 23	3928	881	108	1964
Paper-folding machine.	E. D. Castlerline. (Reissue)	12,204	Mar. 15	3480	761	109	706
Paper-folding machine.	A. E. Sexton.	778,462	Dec. 27	3986	867	113	2335
Paper, &c., folding machine.	E. H. Cottrell.	778,637	Dec. 27	4324	943	113	2410
Paper-folding machine. Wrapping.	A. A. Deiser.	755,462	Mar. 22	4386	971	109	1005
Paper for detachable or other leaves of books. Making	R. S. Robson and H. C. Blackmer.	778,377	Dec. 27	3809	831	113	2297
Paper for making envelopes.	G. Reese.	766,902	Aug. 9	1600	336	111	1415
Paper from old newspapers, books, magazines, &c. Making	W. B. Meixell and T. Holt.	748,968	Jan. 5	800	108	182	
Paper-handling machinery. Sheet-calipering device for	T. C. Dexter and H. Hallstream.	749,037	Jan. 5	974	205	108	227
Paper-hanger or bill-poster.	W. W. Kerns and J. W. Ackley.	763,768	June 28	4245	925	110	2422
Paper-holder.	G. Arents, Jr.	765,221	July 19	2650	551	111	610
Paper holder and cutter. Roll.	M. McMahon.	764,200	Oct. 5	598	119	111	133
Paper holder and cutter. Roll.	E. C. Lee.	771,913	July 11	1386	316	112	1268
Paper holder and cutter. Toilet.	H. H. Ham.	764,806	July 12	1860	382	111	422
Paper holder. Roll.	G. W. Webster.	757,373	Apr. 12	2318	507	109	1853
Paper holder. Roll-toilet.	W. T. Sterling.	777,981	Dec. 20	3033	667	113	2113
Paper holder. Toilet.	S. S. Harrington.	755,657	Mar. 29	4749	1057	109	1100
Paper holder. Toilet.	A. E. Sexton.	756,804	Apr. 5	1173	260	109	1595
Paper holder. Toilet.	R. B. Friend.	760,113	May 17	3065	641	110	724
Paper holder. Toilet.	A. E. Sexton.	769,968	Sept. 13	1570	335	112	370
Paper-holding device.	C. Zitko.	772,769	Oct. 18	3150	685	112	1676
Paper-knife and mail-opener. Combination.	J. A. Knight.	767,647	Aug. 16	3009	640	111	1757
Paper-machine.	H. A. Moses.	748,973	Jan. 5	831	176	108	193
Paper-machine.	A. W. and L. W. Case.	758,127	Apr. 26	3830	832	109	2216
Paper-machine.	R. S. Case.	759,662	May 17	2583	539	110	615
Paper-machine.	J. Walsh.	768,834	Aug. 30	3550	540	111	2345
Paper machine. Carbon.	W. P. and C. J. Pembroke.	778,371	Dec. 27	3802	829	113	2295
Paper-machine. Cylinder.	J. R. Kennett.	777,345	Dec. 13	1734	384	113	1826
Paper, &c. Machine for coating.	L. W. Noyes.	765,507	July 19	3227	675	111	734
Paper-making. Apparatus for coating.	L. W. Noyes.	765,508	July 19	3230	676	111	735
Paper-machine suction apparatus.	P. C. McGrath.	763,431	June 14	1590	347	110	1808
Paper. Machine used in the manufacture of.	D. N. Bertram and S. Milne.	764,032	July 5	238	43	111	55
Paper, &c. Machinery for cutting and folding.	E. H. Cottrell.	757,274	Apr. 12	2099	457	109	1806
Paper, &c. Machinery for cutting and folding.	E. H. Cottrell.	777,884	Dec. 20	2823	620	113	2073
Paper. Making.	R. S. Case.	768,422	Aug. 23	4691	963	111	2141
Paper-making apparatus.	R. Binns.	775,511	Nov. 22	3990	842	113	957
Paper-making. Apparatus for preparing fiber for.	F. H. Cloudman.	775,027	Nov. 15	2933	626	113	694
Paper-making. Apparatus for preparing fiber for.	F. H. Cloudman.	775,028	Nov. 15	2936	626	113	695
Paper-making machine.	E. Waite.	768,353	Aug. 23	4518	950	111	2096
Paper-making machine.	J. L. Bonney.	776,487	Dec. 6	13	4	113	1426
Paper-making machine. Carbon.	F. B. How.	760,124	May 10	3090	646	110	730
Paper-making-machine sieve-cylinder.	L. Zeyen.	771,292	Oct. 4	140	81	112	991
Paper-making-machine suction-box.	E. C. Andrews.	754,036	Mar. 8	1631	363	109	375
Paper-making machines. Cleansing.	I. Kitsee.	769,091	Aug. 30	6037	1267	111	2460
Paper-making machines. Suction-box cover for.	T. D. McNulty, E. O'Brien, and W. French.	751,095	Feb. 2	574	133	108	1184
Paper-making machinery.	H. Parker.	748,645	Jan. 5	180	43, 44	108	40
Paper-making machinery.	H. Parker.	762,437	June 14	1602	349	110	1805
Paper-making or like machinery. Roll for.	H. Parker.	750,887	Feb. 2	208	47	108	1108
Paper-making or like machinery. Roll for.	H. Parker.	773,975	Nov. 1	882	186	113	202
Paper. Manufacturing honeycomb.	D. Budwig.	765,412	July 19	3019	633	111	689
Paper milk-bottle.	J. C. Kimsey.	764,474	July 5	1154	234	111	255
Paper milk-bottle.	J. C. Kimsey.	770,076	Sept. 13	1767	374	112	416
Paper-mills. Paper-stuff-water-circulating apparatus for.	R. Dietrich.	767,210	Aug. 9	2219	462	111	1551
Paper moisture or grease proof. Making.	I. Kitsee.	772,103	Oct. 11	1796	383	112	1360
Paper objects, &c. Machine for producing cylindrical tubes and tube-like.	R. Hornsteiner.	755,494	Mar. 22	4433	983	109	1015
Paper or other fabrics. Machinery for cutting and folding.	E. H. Cottrell.	749,362	Jan. 12	1661	354	108	399
Paper or other fibrous-material vessels. Machine for manufacturing.	W. M. Kinnard.	751,300	Feb. 2	993	225	108	1268
Paper or parcel holding device.	W. Brewster.	769,588	Sept. 6	867	185	112	196
Paper or the like embossing apparatus.	T. Hawkins.	773,496	Oct. 25	4787	1009	112	2059
Paper or the like. Machine for slitting sheets of.	L. H. Rice.	774,454	Nov. 8	1751	377	113	409
Paper or the like with adhesives. Apparatus for coating.	F. Maglin.	750,291	Jan. 26	3473	752	108	823
Paper package or sheets and cabinet therefor. Toilet.	J. T. Hoyt.	749,965	Jan. 19	2866	612	108	673
Paper package. Toilet.	A. H. Scott.	765,599	July 19	3386	713	111	768
Paper-pad holder.	K. Franklin.	756,013	Mar. 29	5471	1207	109	1264
Paper-pasting-machine. Wall.	M. A. Roberts.	777,433	Dec. 13	1895	417	113	1862
Paper-perforating machine.	D. C. Denison.	767,104	Aug. 9	2002	417	111	1566
Paper, &c., perforating machine.	R. T. Brooks.	778,006	Dec. 20	3070	675	113	2120
Paper. Photographic.	E. H. and A. E. Derepas.	770,421	Sept. 20	2440	516	112	585

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr's	Vol.	Page.
Paper. Photographic developing.	F. Günther	758,312	Apr. 26	4211	905	109	2302
Paper. Producing platina copy.	A. Lurz	758,046	Apr. 26	3751	815	109	2198
Paper-pulp.	J. Ferrard	774,982	Nov. 15	2848		113	674
Paper-pulp-brushing engine.	C. E. Pope	776,755	Dec. 6	584	127	113	1555
Paper-pulp. Converting raw peat into.	A. Beddies	751,139	Feb. 2	654	151	108	1199
Paper-pulp. Manufacturing.	O. Carr	762,139	June 7	1005		110	1656
Paper-pulp. Production of.	I. Kitsee	775,829	Nov. 22	444		113	1008
Paper-pulp, turpentine, &c. Treating wood for the production of	W. Hoskins	770,463	Sept. 20	2599	533	112	600
Paper punch or perforator	C. C. Boykin	760,303	May 17	3425	723	110	805
Paper-reel	J. Sr. and F. H. Hoberg	752,971	Feb. 23	4200	936	108	2027
Paper-reeler bar	G. E. Clegg	752,329	Feb. 16	2913	650	108	1725
Paper-roll core	T. Elixman, J. T. Cunningham, and G. F. Shevlin.	759,085	May 8	386	200	110	224
Paper-roll holder and cutter	R. T. Jones	751,920	Feb. 9	2127	479	108	1532
Paper-roll holder. Sample	F. Hawke	763,394	June 28	3548	764	110	2272
Paper-roll-making machine	T. Gillard.	774,578	Nov. 8	1997	435	113	460
Paper-rolls. Apparatus for automatically controlling the unwinding of	T. M. North.	773,517	Oct. 25	4838	1021 1022	112	2071
Paper-sack holder.	W. E. Burks.	749,527	Jan. 12	2020	419	108	473
Paper. Safety commercial.	J. Rowan	774,535	Nov. 8	1912		113	443
Paper-serving fixture. Toilet.	C. E. McGown	765,588	July 19	3372	710	111	764
Paper-shaping machine.	C. H. Dunning	775,330	Nov. 22	3606	764	113	871
Paper sheets. Device for holding or binding loose or removable	R. G. Whitlock	749,132	Jan. 5	1149	243	108	266
Paper sheets. Device for moving	T. D. Robinson	761,104	May 31	5061	1075	110	1195
Paper sheets. Machine for feeding	A. Gutberlet.	761,069	May 31	4989	1058	110	1180
Paper-slitting device for folding-machines.	W. A. La Sor and C. M. Smith	751,185	Feb. 2	747	171	108	1217
Paper-stock filter	C. Tittel	777,316	Dec. 13	1668	370	113	1819
Paper-stock. Machine for working old.	W. Burke	753,540	Mar. 1	124	141	109	137
Paper-surface-finishing machine	C. W. Gay	773,126	Dec. 20	3311	727	113	2173
Paper. Toilet.	W. M. Davis. (Reissue).	12,257	Aug. 9	2506	525	111	1613
Paper tray	H. P. Shotts	773,814	Nov. 1	525	114	113	122
Paper-trimmer	W. M. Keeling	752,842	Feb. 23	3912		108	1960
Paper trimming or cutting tool	H. S. Williams.	775,434	Nov. 22	3833	811	113	923
Paper-tube-making machine	C. Frerot	749,051	Jan. 5	1006	213 214 214	108	234
Paper-tube-rolling machine	H. J. Hurd	765,429	July 19	3059	641 642	111	698
Paper. Utilizing waste products from the manufacture of	W. N. Cornell	756,214	Apr. 5	39	10	109	1351
Paper-watermarking device	E. R. and O. F. Behrend. (Reissue)	12,218	May 10	2541	532	110	590
Paper-weight and calendar. Combined	F. G. Post	774,694	Nov. 8	2210	482	113	507
Paper-weight, pencil-sharpener, &c. Combined	C. A. Root	777,978	Dec. 20	3028	667	113	2112
Paper-winding machine	G. S. Witham	753,344	Mar. 1	230	53	109	52
Paper-winding machine	G. C. Witham	767,193	Aug. 9	2183	455	111	1543
Paper with glue or other suitable pasting material. Machine for providing sheets of	W. Kellner	777,258	Dec. 13	1557	347	113	1788
Papier-maché. Manufacture of objects of	R. G. Schmitt	774,607	Nov. 8	2045	447	113	471
Paraffining apparatus	E. L. White	767,026	Aug. 9	1828	384	111	1467
Paraffining-machine	F. Ladewig	778,040	Dec. 20	3158	694 695	113	2130
Parasol for children's carriages	E. S. Tillinghast.	761,269	May 31	5375	1143	110	1263
Parcel-attaching device.	H. F. Roll	754,241	Mar. 8	2022	449	109	461
Parcel-grip	A. H. Brownley	749,660	Jan. 12	2262	476	108	525
Parer. Fruit or vegetable.	M. Glasser	759,264	May 10	1409	281	110	342
Paring implement	R. M. Babin	755,604	Mar. 29	4645	1032	109	1076
Paring-knife	G. W. McLeod.	759,005	May 8	839	171	110	194
Paring-knife	W. H. Wright	762,974	June 21	2699	585	110	2064
Partition for buildings, &c	D. H. Watts, Jr	756,749	Apr. 5	1067	237	109	1571
Partition or plaster structure for buildings.	G. Boeckel	764,982	July 12	2218	458	111	501
Partition. Reinforced terra-cotta	P. H. Bevier	762,678	June 14	2093	455	110	1912
Party-line measured-service system.	J. L. McQuarrie	766,192	Aug. 2	76	13	111	1058
Passenger-drop	J. J. Carr	775,235	Nov. 15	3412	719	113	810
Passenger-traffic-handling apparatus	W. Wellman	761,736	June 7	225	720	110	1488
Paste-jar	J. Gleich	778,357	Dec. 27	3762	820	113	2285
Paste-receptacle	A. N. Ritz	750,304	Jan. 26	3498	757	108	828
Pasting-machine	R. F. Pick	771,998	Oct. 11	1568	351	112	1308
Pasting mechanism	O. Tyberg and S. I. Prescott	751,224	Feb. 2	833	191	108	1235
Pasteboard-making machine	P. Priem	748,983	Jan. 5	846	181	108	196
Pasteboard-making-machine signaling device	O. Mietaschek	763,011	June 21	2771	600	110	2079
Pasteurizer	A. A. Busch, R. Gull, and T. J. Barry.	755,108	Mar. 22	3728	819	109	868
Pasteurizer	W. T. Focal	756,012	Mar. 29	5469	1207	109	1263
Pasteurizer	W. J. Ruff	767,960	Aug. 16	3663	773	111	1886
Pasteurizer	W. J. Ruff	767,961	Aug. 16	3669	774	111	1888
Pasteurizer	W. J. Ruff	767,962	Aug. 16	3672	774	111	1889
Pasteurizer. Continuous.	T. L. Valerius	755,191	Mar. 22	3880	856	109	898
Pasteurizer, cream-ripeners, churn, and butter-worke. Combined	D. W. Payne.	770,779	Sept. 27	3127	663	112	755
Pasteurizing apparatus	M. L. Fesene-meier.	749,547	Jan. 12	2063	428	108	483
Pasteurizing apparatus	W. Clasmann	764,657	July 12	1572	320	111	359
Pasteurizing apparatus	A. H. Reid	766,623	Aug. 2	774	164	111	1329
Pasteurizing bottled liquids	O. Mathie	775,144	Nov. 15	3172	674	113	747
Pastry, &c. Holder for	E. W. and A. M. Genter	774,839	Nov. 15	2558	530	113	605

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Pastry-molding machine	V. Coté	750,609	Jan. 26	4078	883	108	951
Pastry or rolls. Contrivance for making hollow	C. Forcke	754,131	Mar. 8	1814	403 404	109	417
Pastry-tester	L. F. Ferrell	765,571	July 19	3841	701	111	758
Pattern	J. E. Price	769,958	Sept. 13	1563	333	112	869
Pattern	A. Muellerweiss	775,061	Dec. 20	3180	710	113	2143
Pattern	S. Beckett	773,464	Dec. 27	3368	869	113	2337
Paved tracks on macadamized roads, &c. Producing	R. Weber	751,704	Feb. 9	1695	385	108	1437
Pavement	A. E. Schütté	768,698	Aug. 30	5280	1109	111	2324
Pavement	C. H. Platt	776,419	Nov. 29	5796	1327 1328	113	1378
Pavement composition	E. I. Allison	777,173	Dec. 13	1404		113	1755
Pavement for roads, &c	F. J. Nash	777,862	Dec. 20	2780	610	113	2064
Pavement-making machine	G. R. Wilton	768,135	June 21	3005	648	110	2131
Pavement or roadway	F. J. Warren	771,953	Oct. 11	1477	335	112	1287
Pavement or roadway. Street	F. J. Warren	771,954	Oct. 21	1477	335	112	1287
Pavement or roadway. Street sheet	F. J. Warren	771,952	Oct. 11	1475	335	112	1287
Pavements. Laying	A. E. Schütté	768,699	Aug. 30	5282		111	2285
Pavements. Machine for cutting trenches through asphaltic	G. Fernald	755,645	Mar. 29	4726	1051	109	1095
Pavements. Preparing compositions for and heating and laying bituminous	J. H. Amies	760,051	May 17	2942		110	697
Paving-block	F. E. Cooper	756,333	Apr. 5	279	58	109	1403
Paving block or set for use along tramway-rails.	J. G. Wolf	773,486	Nov. 22	3943	833	113	947
Paving material, &c. Apparatus for heating asphalt	S. Whinery	776,099	Nov. 29	5193	1097	113	1239
Paving or roofing composition. Manufacture of	H. F. Williams	770,137	Sept. 13	1879		112	440
Pawl-and-ratchet device	A. B. Case	769,982	Sept. 13	1608	343	112	379
Pay-out machine	J. Pfeifer	769,274	Sept. 6	271	53, 64	112	59
Pay-roll	C. T. Chichester	778,633	Dec. 27	4311	942	113	2405
Paying apparatus	J. G. 302	761,302	May 17	1157		110	1278
Paying apparatus	A. Jeffery	761,303	May 81	5449	1158	110	1278
Pea, bean, &c., shelling machine	J. P. Scovill	767,086	Aug. 9	1968	410 411	112	1498
Pea-huller	C. W. Moore	766,644	Aug. 2	1058	216	111	1269
Pea-hulling machine	W. F. Pilmore and D. Anderegg	752,256	Feb. 16	2769	614	108	1695
Pea-picking machine	S. E. Kierolf	769,381	May 10	1646	334	110	393
Pea-sheller	F. H. Chase	772,691	Oct. 18	2978	653 654	112	1639
Pea-shelling machine	J. H. Empson	773,858	Nov. 1	643	136 137	113	149
Pea-shelling-machine rotating drum	J. H. Empson	773,859	Nov. 1	646	137	113	149
Pea-vine cutter	J. B. Klamfoth	774,254	Nov. 8	1397	208	113	332
Peanut-picking machine	W. R. Jones	777,287	Dec. 13	1609	357	113	1798
Peat. Apparatus for removing water from	B. Kittler	772,717	Oct. 18	3036	665	112	1652
Peat blocks. Manufacture of	F. W. Gaertner	768,445	Aug. 23	4733		111	2150
Peat-brick-manufacturing machine	B. Kittler	769,170	Sept. 6	66	17	112	16
Peat. Consolidating	J. O. Green and H. T. Martin	752,064	Feb. 16	2406		108	1611
Peat fiber for manufacturing half-stuff. Apparatus for the treatment of	C. Esser	771,202	Sept. 27	3977	840 841	112	941
Peat fuel. Manufacturing	C. F. Schlickeysen	773,992	Nov. 1	925		113	211
Peat-harvesting machine	A. Dobson	758,624	May 3	40	8	110	13
Peat immediately prior to compression. Treating	W. A. Milne	756,129	Mar. 29	5656	1234	109	1308
Peat into blocks for fuel. Machine for manufacturing	R. A. Kellond and J. C. Morrison	755,674	Mar. 29	4778	1063 1064	109	1107
Peat. Removing water from	B. Kittler	772,891	Oct. 18	3370	733	112	1725
Peat-treating apparatus	W. T. Griffin	775,137	Nov. 15	3159	671	113	744
Peat with recovery of by-products. Oven for cooking	E. Bremer	769,531	Sept. 6	772	167	112	175
Pedal	G. Merritt	752,916	Feb. 23	4080	909	108	2001
Pedal attachment	H. C. Ross	767,247	Aug. 9	2282	473	111	1565
Pedal driving apparatus	W. S. Steljes	760,269	May 17	3362	708	110	791
Pedal. Folding	T. Danquard and D. I. Twitchell	766,602	Aug. 2	949	199	111	1253
Pedal-mounting	L. Lermieux	755,301	Mar. 22	4076	903	109	939
Pedestal. Angular	C. H. Howland-Sherman	754,871	Mar. 15	3311	721	109	758
Pedestal. Folding	C. H. Ashley	756,927	Apr. 12	1415	315 316	109	1660
Pedometer	O. Bartel and E. Kuhn	758,405	Apr. 26	4383	942	109	2338
Pedometer	E. W. Porter	765,992	July 26	4183	893	111	351
Pedometer	E. Kuhn	770,644	Sept. 20	2866	606	112	670
Peel-blade tip	A. H. Swan, E. G. Skillings, and F. J. Finnegan	772,755	Oct. 18	3123	680	112	1670
Peeler for potatoes, &c	E. F. B. Kenyon	765,081	July 12	2402	500	111	537
Peeler. Fruit	J. C. Beil	754,191	Mar. 8	1914	426	109	438
Peeler. Fruit or vegetable	T. M. Guest	757,550	Apr. 19	3659	888	109	1947
Peeler. Fruit or vegetable	T. M. Guest	757,551	Apr. 19	3690	888	109	1947
Peeler. Vegetable	J. N. Buell	767,733	Aug. 16	3206	676	111	1788
Peeling machine. Potato	A. A. de Bonneville	777,590	Dec. 13	2232	487 488	113	1932
Peeling machine. Tomato	W. Archdeacon	760,095	May 17	3030	634	110	717
Peeling machine. Tomato	G. G. Glenn	767,517	Aug. 16	2809	888	111	1690
Peg-box	P. Matusak	778,457	Dec. 27	3975	865	113	2333
Pegging-machine	J. F. Davey	763,406	June 28	3635	794 795	110	2302
Pelt-stretcher	F. M. Bowman	752,950	Feb. 23	4157	927	108	2016
Pen	A. Hart	757,868	Apr. 19	3300	717	109	2083
Pen	J. M. Devoy	762,693	June 14	2137	465	110	1922
Pen	W. H. Stone	763,517	June 28	3770	815	110	2319
Pen	D. C. Van Valer	772,193	Oct. 11	1987	438	112	1401
Pen and pencil holder and calendar. Combination	H. J. Mellon	753,088	Feb. 23	4414	932	108	3075
Pen and pencil tray	D. C. Beckett	768,323	Aug. 23	4465	938	111	2084
Pen cleaner. Ruling	E. M. Zacharias	762,570	June 14	1896	408	110	1868
Pen-cleaning device. Fluid	A. J. Thowless	768,637	Aug. 30	5146	1081	111	2257

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.-G.	Vol.	Page.
Pen. Dotting.	E. G. Ruehle	759,920	May 17	2682	563	110	637
Pen. Double-pointed.	J. G. Normann	762,837	June 14	2433	528	110	1984
Pen. Drawing.	G. R. Pyne	763,205	June 21	3154	678	110	2165
Pen. Drawing.	G. Schoenner	758,153	Aug. 23	4140	871	111	2014
Pen feeder-bar. Fountain.	J. L. Schnell	756,076	Nov. 23	5818	1231	113	1313
Pen-filling device. Fountain.	H. Taylor	756,076	Nov. 23	5818	1231	119	1286
Pen-filling device. Fountain.	S. A. Vandewater	766,202	Aug. 2	107	19	111	1065
Pen. Fountain.	A. Eberstein	750,271	Jan. 26	3439	742	108	815
Pen. Fountain.	F. C. Brown	750,490	Jan. 26	3727	810	108	880
Pen. Fountain.	F. M. Kegrize	750,546	Jan. 26	3971	859	108	929
Pen. Fountain.	F. C. Brown	750,583	Jan. 26	4035	872	108	942
Pen. Fountain.	W. H. Camfield.	751,256	Feb. 2	908	207	108	1250
Pen. Fountain.	W. Bovill	754,416	Mar. 15	2408	527	109	561
Pen. Fountain.	F. M. Kegrize	756,376	Apr. 5	379	77	109	1425
Pen. Fountain.	W. R. Rothwell.	757,500	Apr. 19	2575	565	109	1821
Pen. Fountain.	M. R. Crossman	757,543	Apr. 19	2679	586	109	1945
Pen. Fountain.	F. M. Kegrize	757,664	Apr. 19	2924	635	109	2000
Pen. Fountain.	G. S. Parker	758,930	May 3	701	140	110	164
Pen. Fountain.	S. E. Purdy	758,934	May 3	707	142	110	165
Pen. Fountain.	O. E. Weidlich	760,829	May 24	491	956	110	1055
Pen. Fountain.	E. Eberstein	764,327	July 5	636	132	111	146
Pen. Fountain.	P. E. Wirt	764,652	July 12	1565	319	111	358
Pen. Fountain.	O. E. Weidlich	766,560	Aug. 2	855	179	111	1228
Pen. Fountain.	A. B. Davis	766,759	Aug. 2	1269	270	111	1323
Pen. Fountain.	A. B. Davis	766,760	Aug. 2	1271	270	111	1323
Pen. Fountain.	S. S. Crocker	767,208	Aug. 2	1221	253	111	1350
Pen. Fountain.	A. Eberstein	768,216	Aug. 23	4262	896	111	2040
Pen. Fountain.	H. W. Stone	768,779	Aug. 30	5422	1142	111	2318
Pen. Fountain.	P. Molin	769,393	Sept. 6	507	112	112	114
Pen. Fountain.	H. M. Mannheimier	769,554	Sept. 6	514	174	112	184
Pen. Fountain.	V. L. Capwell	770,451	Sept. 20	2549	539	112	1507
Pen. Fountain.	A. J. and J. E. Scritchfield.	770,612	Sept. 20	2801	505	112	666
Pen. Fountain.	A. Eberstein	771,360	Oct. 4	285	62	112	1022
Pen. Fountain.	F. W. Bender	772,204	Oct. 11	2006	442	112	1405
Pen. Fountain.	J. H. Bullard	772,554	Oct. 18	2716	597	112	1583
Pen. Fountain.	F. C. Brown	773,871	Oct. 25	4505	953	112	1999
Pen. Fountain.	J. Blair	773,847	Nov. 1	606	130	113	140
Pen. Fountain.	A. R. Leib	775,907	Nov. 22	4790	1015	113	1129
Pen. Fountain.	J. Sinnott	776,951	Dec. 6	983	212	113	1644
Pen. Fountain.	J. Weeks	778,291	Dec. 27	3631	792	113	2259
Pen. Fountain.	C. A. Faber	778,407	Dec. 27	3871	845	113	2311
Pen. Fountain.	J. W. Langdon	768,728	June 14	2213	480	110	1936
Pen. Fountain attaching.	O. Payzant	758,381	Apr. 26	4340	932	109	2328
Pen. Marking and lettering.	C. C. Clement	757,024	Apr. 12	1623	353	109	1703
Pen-point	C. J. Wilson	759,054	May 3	924	187	110	211
Pen. Recording	C. J. Manning	768,473	Aug. 23	4788	1002	111	2160
Pen. &c. Reservoir.	A. Munro	754,000	Mar. 8	1562	349	109	861
Pen. Ruling.	G. Schoenner	762,848	June 14	2462	533	110	1991
Pen. Ruling.	E. A. Bagby	768,504	Aug. 23	4845	1016	111	2173
Pen. Self-filling fountain.	R. Conklin	756,778	Apr. 5	1122	246	109	583
Pen. Self-filling fountain.	G. C. Lockwood.	773,487	Oct. 18	2549	500	112	1548
Pen-shield	S. H. Hodges	760,325	May 17	3487	734	110	818
Pen. Stylographic	D. W. Beaumel	769,427	Sept. 6	566	124	112	129
Pen-supporting device. Fountain.	D. H. Haywood	755,870	Mar. 29	5196	1149	109	1203
Pen-wiper	A. C. the Chapman	749,474	Jan. 12	1920	398	108	451
Pen. Writing.	J. Anderson	759,551	May 10	1970	402	110	486
Pen. Writing.	H. S. Brewington	770,417	Sept. 20	2435	514	112	584
Penholder	C. J. Dahlgren	748,589	Jan. 5	69	19	108	17
Penholder	R. B. McBee	753,607	Mar. 1	745	167	109	162
Penholder	C. C. Metheny	759,293	May 10	1469	293	110	356
Penholder	S. H. Hodges	760,334	May 17	3486	734	110	818
Penholder	L. Lemos	764,060	July 5	291	56	111	66
Penholder	T. M. Smith	770,509	Sept. 20	2614	554	112	624
Penholder	J. Engel	770,716	Sept. 20	3004	638	112	710
Penholder	H. Purschke	772,000	Oct. 11	1570	352	112	1308
Penholder and eraser. Combined.	W. H. Reed	773,734	Nov. 22	4465	945	113	1661
Penholder finger-hold.	A. S. Tucker	761,428	May 31	5680	1209	110	1332
Penholder finger-hold.	B. B. Goldsmith	768,985	Aug. 30	5851	1229	111	2415
Penholder-guide	B. B. Goldsmith	770,363	Sept. 20	2344	493	112	565
Penholder. Multiple	S. Bacharach	752,432	Feb. 16	3115	692	108	1768
Penholder. Pen-ejecting.	M. A. Pond	761,399	May 21	3632	1190	110	1321
Penholders or the like. Finger-guide for.	F. H. Maxam	774,887	Nov. 15	2633	570	113	627
Pencil	D. McKenzie	751,542	Feb. 9	1391	317	108	1372
Pencil	H. Spengler	764,312	July 5	801	164	111	177
Pencil-case	J. D. B. Lauson.	775,493	Nov. 23	3951	835	113	949
Pencil-case. Noiseless.	A. J. Paroubek	752,857	Feb. 23	3398	853	108	1967
Pencil. Copying.	E. E. Wilhelm	766,308	Aug. 2	345	72	111	1116
Pencil-holder	E. Markovits	753,087	Feb. 23	4414	981	108	2075
Pencil-holder	H. H. Garson	759,691	May 10	2234	461	110	5
Pencil-holder	J. R. Eldredge	759,739	May 10	2325	485	110	542
Pencil-holder	A. A. Lindberg	769,951	Sept. 13	1551	331	112	247
Pencil-holder	C. E. Trump	775,097	Nov. 15	3074	653	113	726
Pencil. Lead.	J. A. Mulvey	754,333	Mar. 8	2179	483	109	492
Pencil. Lead.	C. von Schemnitzky	763,429	June 28	3629	781	110	2290
Pencil. Lead.	H. Nichols	770,777	Sept. 27	3122	662	112	754
Pencil. Lead.	C. W. Pdan	775,423	Nov. 22	3816	807	113	921
Pencil. Pocket.	A. P. Jacob	755,400	Mar. 22	4276	945	109	983
Pencil-sharpener.	H. E. Adams	749,011	Jan. 5	910	192	108	212
Pencil-sharpener.	E. M. Goldsmith	755,480	Mar. 22	4411	977	109	1010
Pencil-sharpener.	E. L. McDivitt.	753,917	Mar. 29	5328	1168	109	1234
Pencil-sharpener.	F. M. Robinson	756,287	Apr. 5	187	38	109	1384
Pencil-sharpener.	F. H. Chase	757,090	Apr. 12	1751	381	109	1731
Pencil-sharpener.	F. H. Chase	757,091	Apr. 12	1752	381	109	1731
Pencil-sharpener.	H. H. Brandes	759,499	May 10	1876	377	110	445

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Pencil-sharpener	W. H. McFall	760,749	May 24	4328	919	110	1020
Pencil-sharpener	S. W. Bates and A. F. Sanborn, Jr.	761,191	May 31	5214	1107	110	1228
Pencil-sharpener	F. H. Chase	761,944	June 7	655	132	110	1583
Pencil-sharpener	F. C. Melchior	762,077	June 7	895	184	110	1631
Pencil-sharpener	C. F. Perkins	762,754	June 14	2622	492	110	1945
Pencil-sharpener	R. J. Ellis	773,315	Oct. 25	4383	927	112	1972
Pencil-sharpener	F. P. Huyck and J. D. R. Lamson	774,880	Nov. 15	2636	567	113	623
Pencil-sharpener	F. P. Lovejoy	775,707	Nov. 22	4418	933	113	1050
Pencil-sharpener and eraser	C. Payne	776,544	Dec. 6	157	34	113	1438
Pencil sharpener and point protector	W. A. Tew	792,995	Feb. 23	4122	913	108	2009
Pencil-sharpening device	W. S. Doe	749,666	Jan. 12	2271	479	108	527
Pencil-sharpening device	A. D. Fagrellius	770,053	Sept. 13	1730	366	112	406
Pencil-sharpening machine	J. A. Jones	777,732	Dec. 20	2601	574	113	2028
Pencils, crayons, &c. Device for use in connection with the sharpening of lead-	F. E. V. Baines	749,713	Jan. 19	2378	503	108	568
Pencils, &c. Machine for imprinting	H. C. Biette	774,822	Nov. 15	2512	541	113	595
Pencils, &c. Machine for sharpening or cutting	F. E. V. Baines	762,374	June 14	1471	320	110	1778
Pencils or the like. Apparatus for sharpening	H. F. Hambruch	777,202	Dec. 13	1453	321	113	1764
Pendant. Adjustable	H. F. Shaw	774,852	Nov. 15	2580	555	113	609
Pendulum	J. W. Daily	753,475	Mar. 1	472	111	109	103
Pendulum. Compensation	H. Sattler	751,686	Feb. 9	1692	377	108	1430
Pendulum-power	A. T. Frather	764,957	July 23	2123	451	110	1812
Perambulator	J. Ford	753,287	Feb. 16	2381	628	108	1708
Perambulator	A. T. Shearer	758,786	May 3	411	32, 83	110	101
Perambulator	A. E. McGill	771,386	Oct. 4	324	72	112	1029
Perambulator	L. Perotti	774,451	Nov. 8	1747	377	113	408
Perambulator	G. and J. Leadbetter	776,065	Dec. 6	396	55, 86	113	1516
Perambulator. Folding	D. and J. J. Simpson	766,537	Aug. 2	805	170	111	1217
Perch. Fowl	J. Maes	760,006	May 17	2858	598	110	678
Percolator	W. W. Munger	764,750	July 12	1752	357	111	399
Percolator	W. B. Webber	774,010	Nov. 1	950	197	113	216
Perforating-machine	E. A. Trussell	749,533	Jan. 12	2184	444	108	508
Perforating-machine	R. T. Brooks	739,071	May 3	934	193	110	219
Perforating-machine	J. B. Allen	764,098	July 5	375	72	111	82
Perforating-machine measuring mechanism	J. S. Bancroft	770,354	Sept. 20	2109	444	112	509
Perforating or punching apparatus	R. Kronenberg	749,303	Jan. 12	1543	328	108	371
Perforating strips. Attachment for machines for	C. J. Hanfbauer	752,069	Feb. 16	2412	538	108	1612
Perforator	J. Gell	755,224	Mar. 22	3937	871	109	910
Perfuming device	C. D. Hall	769,894	Sept. 13	1392	297	112	333
Perfumes, &c. Case for use with solidified	J. Bardin	758,234	Apr. 26	4036	877	109	2261
Periodical-holder	W. G. Lloy	757,325	Apr. 12	2227	487	109	1833
Permanent way	R. von Meitong	768,403	Feb. 16	3059	679	108	1076
Permanent way	J. C. Werckmeister	771,109	Sept. 27	3790	800	112	903
Peroxids. Manufacturing	F. Hinz	759,887	May 17	2625	549	110	624
Pessary	F. L. Priest	748,650	Jan. 5	190	43	108	42
Petroleum. Apparatus for refining crude	F. H. Bruns	749,332	May 10	1562	315	110	373
Petroleum-burner	J. M. O'Neill	767,667	Mar. 15	2953	644	109	677
Petroleum-engine	T. B. Ferguson, Jr., and E. R. Brush	774,747	Nov. 15	2364	511	113	562
Petroleum-storing reservoir	B. H. Pomeroy	750,489	Jan. 26	3889	834	108	904
Pharmaceutical dispensing-case	P. Englund	749,282	Jan. 12	1503	320	108	361
Phase-angle-adjusting means	E. J. Thurman	760,278	May 17	2381	713	110	735
Phase-angle adjustment	E. M. Tingley	757,517	Apr. 19	2615	573	109	1380
Phase-angle adjustment	E. M. Tingley	757,517	Apr. 19	2616	573	109	1391
Phase-angle adjustment	E. M. Tingley	757,518	Apr. 19	2619	573	109	1391
Phase regulation	E. M. Tingley	757,515	Apr. 19	2612	572	109	1390
Phase transformation	A. D. Lunt	771,314	Oct. 4	180	39	112	999
Phenol compound	A. D. Lunt	771,786	Oct. 4	1117	249	112	1198
Phonogram or sound-record	C. Gentsch	775,814	Nov. 22	4617	921	113	1093
Phonograph	C. N. Wurth	771,758	Oct. 4	1053	234	112	1184
Phonograph	E. Gilman	749,857	Jan. 19	2657	567	108	628
Phonograph, &c.	E. A. Ivatts	754,313	Mar. 8	2152	568	109	487
Phonograph	T. Lhota	757,322	Apr. 12	2234	486	109	1832
Phonograph	F. Gäbler	758,521	Apr. 26	4612	993	109	2391
Phonograph	T. F. Solon	760,655	May 24	4115	874	110	975
Phonograph, &c.	J. M. Tourtel and G. L. Hogan	761,729	June 7	212	110	110	1485
Phonograph	A. N. Petit	766,115	July 26	4429	949	111	1003
Phonograph	P. Weber and C. L. Hibbard	772,485	Oct. 18	2588	570	112	1556
Phonograph	C. C. Shigley	773,164	Oct. 25	4088	864	112	1908
Phonograph	P. E. Van Valkenburgh	772,304	Oct. 25	4365	922	112	1969
Phonograph	C. W. Noyes	774,100	Nov. 1	1126	240	113	255
Phonograph	E. M. Robinson	776,271	Dec. 27	3594	786	113	2251
Phonograph attachment	E. Gilbert	761,371	May 31	5585	1189	110	1310
Phonograph-cylinders. Making	T. F. O'Brien	777,029	Dec. 13	2226	504	113	1846
Phonograph, graphophone, &c.	C. J. Rawlinson	777,306	Dec. 13	1645	365	113	1807
Phonograph-operating mechanism	F. Pearce	761,705	June 7	166	32	110	1475
Phonograph record-cylinder. Celluloid	A. N. Petit	750,119	Jan. 19	3159	679	108	735
Phonograph-record-etching machine	W. H. Miller and J. W. Aylsworth	764,196	July 5	587	116	111	130
Phonograph-records. Making molds for duplicating	A. F. Wurth	775,617	Nov. 1	153	35	113	40
Phonograph records or blanks. Manufacturing cylindrical	W. H. Miller and A. N. Pierman	771,880	Oct. 11	1320	298	112	1255
Phonograph repeating attachment	P. Weber	771,851	Oct. 11	1242	276	112	1239
Phonograph repeating attachment	E. L. Aiken	775,591	Nov. 22	4189	882	113	1601
Phonograph repeating mechanism	H. P. Huse	767,362	Aug. 9	2266	513	111	1640
Phonograph repeating mechanism	H. P. Huse	767,343	Aug. 9	2447	513	111	1600
Phonograph-reproducer	J. J. Neumann	771,564	Oct. 4	657	153	112	1105
Phonograph reproducer apparatus	D. Higham	772,938	Oct. 25	3474	752	112	1765
Phonograph reproducer attachment	C. E. Hill	773,740	Nov. 1	392	87	113	93
Phonograph-table	A. A. Bergman	752,817	Feb. 23	3863	896	108	1951

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Phonograph time-controlling mechanism.	J. E. Hett.	756,017	Mar. 29	5483	1209	109	1255
Phonographs and kinematographs. Apparatus for synchronously operating	L. Gaumont	759,693	May 10	2237	461	110	1522
Phonographs and kinematographs. Means for operating synchronously	L. Gaumont	752,394	Feb. 16	3087	676	108	1752
Phonographs, &c. Apparatus for casting cylinders for	A. Hamon	757,867	Apr. 19	3306	717	109	2082
Phonographs, &c. Apparatus for duplicating sound-record cylinders of	A. N. Petit.	750,118	Jan. 19	3155	679	108	734
Phonographs. Coin-controlled circuit making and breaking apparatus for	A. W. Cole.	778,305	Dec. 27	3659	798	113	2264
Phonographs or graphophones. Sound-controller for horns of	B. Ruggiero and G. Bongiorno.	770,024	Sept. 13	1687	358	112	398
Phonographs or similar machines. Horn for	M. J. O'Connor	769,448	Sept. 6	603	132	112	137
Phonographic apparatus	P. C. Nielsen	771,441	Oct. 4	444	101	112	1051
Phonographic-record-holding box.	C. W. Skiff and S. A. Grant	754,508	Mar. 15	2620	569	109	609
Phonographic records. Manufacturing celluloid cylinders for receiving	S. Waldeck	762,214	June 7	1137	244	110	1687
Phonographic records on mandrels. Means for sliding and holding	A. N. Petit.	773,978	Nov. 1	887	187	113	204
Phosphorus compound and making same. Organic.	J. A. Manahan and S. Waldeck	758,540	Apr. 26	4661	1004	109	2401
Photograph and making same. Color.	S. Posternak	754,803	Mar. 15	3175	886	109	728
Photograph-gallery appliance	R. W. Wood	755,983	Mar. 29	5412	1196	109	1250
Photograph-machine	W. A. Bunnell	766,987	Aug. 9	1767	371	111	1453
Photograph on linen and making same	P. V. W. Welsh	756,087	Mar. 29	5605	1237	109	1291
Photographs. Rocket apparatus for taking	C. Fulton and W. M. Gillard	757,384	Oct. 25	4531	958	112	2005
Photographs. Device for grouping	A. Mail	757,825	Apr. 19	3233	702	109	2066
Photographs. Making line composite stereoscopic.	G. G. Rodman	760,922	May 24	4666	993	110	1091
Photographs, pictures, &c. Mounting	F. E. Ives	761,679	June 7	113	20	110	1464
Photographs. Positive stripping-film for.	R. P. Wheeler	762,787	June 14	2324	508	110	1860
	J. E. Thornton and C. F. S. Rothwell.	760,855	May 24	3968	843	110	944
Photographic apparatus	E. J. Ray	756,708	Apr. 5	976	215	109	1552
Photographic apparatus. Automatic	J. Powers	754,090	Mar. 8	1734	387	109	397
Photographic case for tombstones	J. W. M. Witt and Z. D. Laney	754,269	Mar. 8	2070	459	109	470
Photographic developer	B. Homolka and N. Schwan	767,815	Aug. 16	3875	725	111	1825
Photographic developing apparatus	L. L. Plumley	751,553	Feb. 9	1418	323	108	1379
Photographic developing apparatus	H. Kuckelkorn and E. Saupe	762,966	Feb. 23	4227	942	108	2033
Photographic developing apparatus	O. Lienekamp and W. Nauck	757,323	Apr. 13	2225	486	109	1832
Photographic developing apparatus. Field	C. Thomas	777,701	Dec. 20	2428	534	113	1902
Photographic emulsion. Sensitive.	W. T. Leighton	766,887	Aug. 9	1575	331	111	1409
Photographic film	A. Eichengrün and A. Braun	752,388	Feb. 16	3028	628	108	1750
Photographic-film cartridge	R. A. Anthony	754,736	Mar. 15	3055	667	109	702
Photographic film. Flexible	W. B. Cline	778,403	Dec. 27	3964	842	113	2369
Photographic film for moving-picture machines.	F. A. Anthony	754,735	Mar. 15	3054	667	109	702
Photographic film. Graded.	T. A. Edison	772,447	Oct. 18	2886	635	112	1620
Photographic-film holder	E. F. Beckwith	749,993	Jan. 19	2722	581	108	644
Photographic-film washing and drying apparatus.	M. L. Schoebel	768,080	Aug. 23	3988	838	111	1980
Photographic films. Apparatus for developing, washing, and fixing	W. Cross.	762,866	June 21	2538	550	110	2028
	M. Herz	751,644	Feb. 9	1580	362	108	1415
Photographic half-tone color screen and chart	A. G. Russell.	766,380	Aug. 2	490	104	111	1149
Photographic half-tone for book-printing and lithography.	T. Vilim and F. Hauser.	755,417	Mar. 22	4303	875	109	989
Photographic lens	J. R. Dallmeyer	756,779	Apr. 5	1123	247	109	1583
Photographic mount	E. S. Cheney	774,414	Nov. 8	1684	361	113	395
Photographic mount and making same	F. W. G. Chelius	778,740	Dec. 27	4466	982	113	2444
Photographic negatives for the gelatin-relief process. Apparatus for making	P. Brosig	778,105	Dec. 20	3258	715	113	2159
Photographic negatives. Printing from	F. C. White.	764,090	July 5	358	69	111	79
Photographic objective	K. Martin	759,537	May 10	1942	398	110	460
Photographic objective	F. Urban	777,320	Dec. 13	1677	372	113	1815
Photographic paper and films. Apparatus for printing	A. W. S. Sanderson and G. B. Bradshaw.	762,763	June 14	2277	496	110	1948
Photographic plate	A. A. Gurtner	753,977	Mar. 8	1524	340	109	352
Photographic plate and film holder	L. M. Hanks	758,751	May 3	839	69	110	86
Photographic plate and making same	C. D. Thomson	751,882	Feb. 9	2045	462	108	1513
Photographic-plate carrying and changing apparatus.	W. A. Peters	756,402	Apr. 5	425	88	109	1434
Photographic-plate-developing apparatus	G. L. Plumley	751,552	Feb. 9	1415	322	108	1378
Photographic-plate-developing apparatus	E. R. Petrie.	773,157	Oct. 25	4058	861	112	1902
Photographic-plate holder	A. J. Merz	766,835	Aug. 9	1476	309	111	1389
Photographic-plate holder.	L. Borsum	766,869	Aug. 9	1531	320	111	1399
Photographic-plate holder.	W. F. Sidelinger	769,500	Sept. 6	716	155	112	163
Photographic-plate holder.	J. Schaub	771,939	Oct. 11	1444	329	112	1281
Photographic-plate holder.	F. J. Mauborgne	776,670	Dec. 6	406	91	113	1518
Photographic-plate holders. Exposure-index for	H. G. Rossow	759,314	May 10	1503	302	110	363
Photographic-plate holders. Light-excluding device for	F. A. Brownell	776,291	Nov. 29	5552	1175	113	1321
Photographic-plate-treating apparatus	G. H. Dorr.	750,621	Jan. 26	4094	886	108	955
Photographic-plate-treating apparatus	G. H. Dorr.	771,358	Oct. 4	281	62	112	1021
Photographic plates and prints. Apparatus for developing and fixing	W. A. Peters	758,277	Apr. 26	4126	892	109	2281
Photographic-printing apparatus	H. C. White and A. H. Mallison	753,455	Mar. 1	498	103	109	96
Photographic-printing apparatus	H. C. White and A. H. Mallison	757,798	Apr. 19	3183	691	109	2057
Photographic-printing apparatus	F. Rachel	759,469	May 10	1817	366	110	433
Photographic-printing apparatus	J. S. Cummings	762,467	June 14	1674	362	110	1821
Photographic-printing apparatus	J. S. Cummings	762,468	June 14	1678	362	110	1822
Photographic-printing apparatus	H. H. McIntire	769,227	Sept. 6	169	41	112	37
Photographic-printing apparatus	J. Hinne	769,343	Sept. 6	413	94	112	90

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Photographic-printing apparatus	J. H. Stark and C. G. Barcus	776,436	Nov. 29	5835	1233	113	1386
Photographic-printing cabinet	D. R. Kinsey	776,746	Dec. 6	565	124	113	1551
Photographic-printing device	J. S. Cummings	772,342	Oct. 18	2290	502	112	1491
Photographic-printing devices. Mechanism for controlling lamps in	C. Haller and W. E. Sinclair	751,503	Feb. 9	1325	502	108	1359
Photographic-printing frame	C. Whetham	754,266	Mar. 8	2063	457	109	469
Photographic-printing frame	N. K. Cherrill	761,945	June 7	656	132	110	1584
Photographic-printing frame	W. E. Burnett	762,998	June 7	1154	133	110	1692
Photographic-printing frame	W. E. Dobbins	775,101	Nov. 15	3079	654	113	727
Photographic-printing frame	W. H. Smith and T. K. Hauer	775,785	Nov. 22	4561	967	113	1081
Photographic-printing-frame support	J. S. Cummings	775,555	Nov. 22	4112	865	113	984
Photographic-printing machine	H. H. McIntire	754,083	Mar. 8	1718	382	109	384
Photographic-printing machine	F. P. Stever	754,332	Mar. 8	2040	454	109	405
Photographic-printing machine	D. Argerbright	760,838	May 24	4504	959	110	1057
Photographic-printing outfit case or box	L. Meir	766,368	Aug. 2	450	96	111	1139
Photographic prints for toning. Preparing	T. Baker	750,014	Jan. 19	2968	108	696	
Photographic process for the reproduction of plastic objects.	C. Baese	774,549	Nov. 8	1946	452	113	450
Photographic roll-film	H. Fritzsche	762,816	June 14	2394	521	110	1975
Photographic roll-film	F. Schmid	763,024	June 21	2785	604	110	2082
Photographic screens. Making	B. S. Krupp	768,758	Aug. 30	5388	111	2310	
Photographic shutter	T. Brueck	749,162	Jan. 12	1240	267	108	304
Photographic shutter	T. Brueck	761,754	June 7	255	50	110	1464
Photographic shutter	T. Brueck	761,755	June 7	239	51, 52	110	1485
Photographic shutter	T. Brueck	761,756	June 7	264	53	110	1496
Photographic shutter	R. Klein	761,771	June 7	302	60, 61	110	1505
Photographic shutter	R. Klein	761,772	June 7	310	61, 62	110	1508
Photographic shutter	M. A. Richter	764,375	July 5	964	194	111	214
Photographic shutter	E. B. Bullard	764,421	July 5	1042	213	111	232
Photographic shutter	J. S. Wright	775,496	Nov. 22	3836	811	113	924
Photographic-shutter-operating mechanism	J. H. Hammer	762,711	June 14	2162	812	110	1929
Photographic-squeegee-pad	A. W. S. Sanderson	777,147	Dec. 13	1359	300	113	1745
Photographic-tray rocker	W. G. Wolfe	766,483	Aug. 2	703	147	111	1193
Photographically producing plates	J. A. Robertson	754,893	Mar. 15	3349	732	109	766
Photography. Color	J. Jacobson	761,887	June 7	556	110	110	1464
Photometer	W. C. South	769,773	Sept. 13	1210	261	112	291
Photometric apparatus	W. Hinman	773,144	Oct. 25	4030	854	112	1895
Photometric apparatus	J. W. Howell	756,963	Apr. 12	1490	328	109	1675
Photometric apparatus	E. Thomson	777,867	Dec. 20	2789	612	113	2066
Photoprints, &c. Apparatus for removing surplus moisture from	J. Halden	757,456	Apr. 19	2488	545	109	1904
Phototherapeutic apparatus	W. F. Arnold	769,581	Sept. 6	832	183	112	193
Physical development apparatus	K. L. Minges	762,832	June 14	2424	527	110	1982
Physician's examining and treating couch or table	C. C. Hazard	757,807	Apr. 19	3200	695	109	2060
Piano	R. W. Gertz	731,726	Feb. 9	1738	394	108	1445
Piano	W. J. Street, Jr.	753,176	Feb. 23	4565	1018	108	2109
Piano	W. C. Hamilton	758,531	Apr. 26	4637	908	109	2396
Piano	R. S. Bowen	775,161	Nov. 15	3208	685	113	756
Piano	R. S. Bowen	775,262	Nov. 15	3460	731	113	821
Piano-action	S. Paulson	753,100	Feb. 23	4433	986	108	2079
Piano-action	R. M. Hutchinson	758,654	May 3	91	18, 19	110	25
Piano-action	A. A. Barthelmes	769,655	May 10	2177	447	110	509
Piano-action	T. Beyer	760,377	May 17	3555	748	110	834
Piano-action	C. Berglund and W. H. Dowd	767,790	Aug. 16	3313	699	111	1813
Piano-action	J. L. Wilson	768,784	Aug. 30	5433	1144	111	2320
Piano-action	C. B. Klock	769,907	Sept. 13	1458	312	112	346
Piano-action	W. Kreter	773,019	Oct. 25	3626	783	112	1759
Piano-action	U. G. Clark	774,507	Nov. 8	1867	403	113	433
Piano-action	H. Hornbeck	776,841	Dec. 6	769	167	113	1595
Piano-action damper-sustaining device	A. Nickel	763,200	June 21	3145	670	110	2163
Piano-action keys. Machine for boring holes in	E. J. Flocke	753,058	Feb. 23	4362	971	108	2064
Piano-action pianissimo device	E. Bornhoert	753,694	May 3	537	35	110	150
Piano action. Upright	F. Haumerie	757,657	Apr. 19	2911	633	109	1908
Piano action. Upright	M. Steinert	772,683	Oct. 18	2963	650	112	1637
Piano-actions. Pianissimo device for grand	F. Engelhardt	770,568	Sept. 20	2726	577	112	649
Piano actions. Pianissimo device for grand	A. T. Strauch	757,689	Apr. 19	2973	647	109	2010
Piano attachment. Pneumatic	R. C. Pryor	754,498	Mar. 15	2598	565	109	603
Piano automatic attachment	J. A. Smith	761,419	May 31	5664	1205	110	1328
Piano-back	G. H. Jones	762,825	June 14	2409	524	110	1979
Piano construction	P. M. Zeidler	755,341	Mar. 22	4166	921	109	959
Piano construction	R. W. Gertz	758,639	May 3	67	14	110	19
Piano damper-action	C. P. Blinn	767,100	Aug. 9	1994	415	111	1504
Piano-desks, &c. Adjustable frictional support for	F. H. White and S. W. Rork	760,831	May 24	4494	957	110	1655
Piano detachable music-rack	M. M. Moreland	774,324	Nov. 8	1412	302	113	323
Piano frame. Grand	W. S. Gert	765,987	July 26	4173	890	111	948
Piano-hammer	C. W. Stephenson	777,444	Dec. 13	1918	423	113	1867
Piano-hammers. Machine for making	E. T. Wolf	764,025	July 5	219	40, 41	111	51
Piano key attachment	H. S. Strauss	753,756	Mar. 1	1033	235	109	222
Piano-key tension-adjuster	C. C. Ward	774,961	Nov. 15	2789	597	113	658
Piano. Manually or mechanically operated	T. Danquard	766,601	Aug. 2	943	199	111	1251
Piano. Mechanical	P. Pomero	757,566	Apr. 19	2723	596	109	1954

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Piano mirror attachment	M. M. Stahl	739,040	May 3	904	184	110	207
Piano-pedal	G. Merritt	761,087	May 31	5027	1066	110	1188
Piano-pedal-action	W. E. Cleveland	773,693	Oct. 18	2083	655	112	1611
Piano-pedal-action	F. S. Bowen	775,162	Nov. 15	3319	886	113	757
Piano-pedal-action. Grand-	W. C. Bosenburg	755,102	Mar. 22	3719	817	109	866
Piano-pedal-guard	A. J. Sorenson	751,697	Feb. 9	1685	382	108	1435
Piano-pedal-stool	F. L. Assay	773,113	Oct. 25	3955	839	112	1878
Piano-pedal support and bearing	I. Larsen	703,680	June 28	4077	887	110	2385
Piano pin and string treating composition	C. H. Pierce	767,490	Aug. 16	2783		111	1694
Piano-player	C. Warren	769,552	Sept. 13	1371	223	112	329
Piano-player. Automatic	H. Meyer	756,674	Apr. 5	917	200	109	1539
Piano-player key-striker	J. Courville	776,891	Dec. 6	867	185	113	1618
Piano-player. Mechanical	G. Barthel	755,096	Mar. 22	3713	132	109	864
Piano-player. Pneumatic	F. V. Crofut	773,851	Nov. 1	626	133	113	145
Piano-players. Adjustable pedal for mechanical	A. E. Whitehead	756,755	Apr. 5	1074	239	109	1573
Piano-players. Adjusting device for cases of automatic	F. V. Crofut	750,612	Jan. 26	4083	884	108	932
Piano-player's key-striker	J. Courville	757,889	Apr. 19	3355	725	109	2094
Piano-players. Pedal-stop action for automatic	W. F. Cooper, Jr	754,750	Mar. 15	3077	672	109	707
Piano-players' striking devices. Guard for	F. W. Hedgeland	756,853	Apr. 12	1276	284	109	1632
Piano-protector	G. P. Bent	755,345	Mar. 22	4175	922	109	961
Piano. Self-playing	H. Meyer	773,406	Oct. 25	4583	969	112	2016
Piano sounding-board	W. J. Brashears	750,248	Jan. 26	3396	734	108	804
Piano sounding-board	C. B. Clemons	777,939	Dec. 30	2947	647	113	2097
Piano tone-deflector. Table for making	A. Dolge	764,117	July 5	413	80	111	860
Piano tone-deflector	F. G. Riggins	758,694	May 3	175	87	110	42
Piano touch-regulating attachment	L. Harriss and W. H. Kendall	756,016	Mar. 29	5479	1209	109	1265
Piano tremolo-action. Mechanical	A. Capra	750,946	Feb. 2	314	74	108	1327
Piano-tuner	A. Brambach. (Reissue)	13,278	Oct. 25	4882	1030	112	2081
Piano-tuning hammer	F. E. H. Goodenow	738,447	Aug. 23	4735	993	112	2150
Piano tuning-pins. Means for holding	G. Buckstahl	733,469	Feb. 16	3174	707	108	1781
Pianos. Action for mechanical playing attachments for	G. S. Williams	748,828	Jan. 5	515	117	108	117
Pianos. Device for automatically playing	O. H. Arno	750,517	Jan. 26	3900	840	108	916
Pianos embodying mechanical playing mechanism.	J. H. Dickinson	770,593	Sept. 20	2719	575	112	618
Pedal-housing for							
Pianos, organs, &c. Mandolin orchestral attachment for	N. E. Nelson	766,512	Aug. 2	753	157	111	1205
Pianos. Pneumatic self-playing attachment for	J. Wieser	768,013	June 7	770	159	110	1608
Pianos. Tune-sheet attachment for autopenumatic.	A. Hobart	765,240	July 19	2682	558	111	617
Pianoforte	F. McNamara	750,085	Jan. 19	3003	644	108	703
Pianoforte-action	W. A. Eathly	763,864	June 14	2499	540	110	1999
Pianoforte-action	P. Krumsheld	763,910	June 28	4334	989	110	2482
Pianoforte-player. Automatic	F. G. Webb	773,983	Oct. 25	3563	771	112	1786
Pianoforte-player. Automatic	F. G. Webb	773,044	Oct. 25	3695	735	112	1814
Pianoforte wrest-pin	T. Doddrell	751,479	Feb. 9	1287	293	108	1350
Pianolas. Folding pedal for	M. S. Wright	766,312	Aug. 2	353	74	111	1118
Pick	J. Hestern	768,915	May 3	670	135	110	158
Pick	G. Tippett	765,642	July 19	3472	733	111	786
Pick	S. Montgomery	767,951	Aug. 16	3643	770	111	1881
Pick	B. H. Laughhunn	773,507	Oct. 25	4813	1013	112	2066
Pick-handle, &c. fastening	L. and M. Kovács	757,206	Apr. 12	1981	432	109	1782
Pick. Miner's	T. Polling	777,303	Dec. 13	1639	364	113	1805
Pick. Miner's	M. Hardsoeg	758,704	May 10	2261	467	110	528
Pick. Miner's	W. H. Foley	774,748	Nov. 15	2369	511	113	561
Pick. Mining	W. Ashert	775,325	Nov. 22	3596	762	113	805
Pick. Mining	G. T. White	748,901	Jan. 5	664	147	108	149
Picker	G. T. White	760,593	May 24	3979	846	110	946
See Bean-picker.	Fruit-picker.						
Corn-picker.	Rag-picker.						
Cotton-picker.							
Picker-stick check	H. J. Jarry	752,342	Feb. 16	2936	654	108	1731
Picker-sticks. Adjustable back-stop for	O. Benson	775,886	Nov. 22	4752	1047	111	1131
Picking device	W. R. Verstraelen and C. Alter	769,519	Sept. 6	748	102	112	770
Picture apparatus. Moving	G. L. Jenkins	765,580	July 19	3355	704	111	760
Picture cover and frame. Combined	J. S. Barcus	759,839	May 10	2534	530	110	588
Picture-exhibiting apparatus. Moving	N. Power	773,981	Nov. 1	893	188	113	205
Picture-exhibiting device	G. L. Jenkins	765,621	July 19	3430	722	111	777
Picture-exhibitor	J. Roever and S. S. Baldwin	751,561	Feb. 9	1438	326	108	1384
Picture-exhibitor	L. J. E. Colardeau and J. Richard	773,786	Nov. 1	477	104	113	111
Picture-exhibitor	C. W. Anderson	778,347	Dec. 27	3744	816	113	2282
Picture-exhibitor and phonograph. Combined	H. S. Mills	770,470	Sept. 20	2527	538	112	604
Picture-frame	E. Servuss	749,229	Jan. 12	1392	257	108	339
Picture-frame	E. Schievenbusch	749,332	Jan. 12	1603	393	108	385
Picture-frame	G. Cohn	762,283	Feb. 16	2924	620	108	1716
Picture-frame	G. H. Allen	752,943	Feb. 23	4141	23	108	2013
Picture, &c. frame	M. Wiskott	755,267	Mar. 22	4022	801	109	928
Picture-frame	J. J. Sherman, Jr	750,561	May 10	1983	405	110	469
Picture-frame	L. Brand	750,840	May 16	2336	531	110	558
Picture-frame	S. S. Gardner	776,316	Nov. 29	5591	1185	113	1329
Picture-frame and easel. Combined	J. C. Strauss	760,935	May 24	4690	990	110	1097
Picture-frame putting machine, &c.	C. E. Sandstrom	772,433	Oct. 18	2472	542	112	1532
Picture-frames. Foldable blank for forming	H. A. Fisher	776,311	Nov. 29	5582	1183	113	1327
Picture-hanger	M. Kitzmiller	752,682	Feb. 16	3490	778	108	1852
Picture-hanger	H. Minck	753,605	Mar. 1	741	166	109	161

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Picture-hanger.....	C. Winter.....	763,448	June 28	3660	788	110	2297
Picture-hanger.....	J. H. Fowler.....	769,794	Sept. 13	1341	287	112	298
Picture-hanger.....	L. and E. E. Thomas.....	774,140	Nov. 1	1190	254	113	269
Picture-hanging device.....	J. Bryden.....	757,262	Apr. 12	2080	454	109	1803
Picture-hanging device.....	W. P. Gurr.....	769,695	Sept. 13	1068	230	112	361
Picture. Magic or surprise.....	L. Lebateux.....	761,001	May 24	4800	1023	110	1123
Picture-mats. Device for marking.....	F. E. Wheat.....	778,521	Dec. 27	4093	892	113	2359
Picture-mounting leaf and book.....	A. W. Engel.....	764,441	July 5	1093	222	111	242
Picture-mounting leaf or book.....	A. W. Engel.....	749,281	Jan. 12	1500	320	108	361
Picture-projecting apparatus. Slide-feeding device for.....	W. M. Green and J. R. Gent.....	757,737	Apr. 19	3067	1668	109	2029
Picture-transferring composition.....	H. J. McKeel.....	759,301	May 10	1482	.....	110	359
Pictures. Apparatus for producing moving.....	H. A. Farrand.....	762,519	June 14	1773	1380	110	1843
Pictures. Composition for treating.....	H. E. Hall.....	765,577	July 19	3330	.....	111	759
Pictures. Developing catalytic.....	W. Ostwald and O. Gros.....	770,534	Sept. 20	2663	.....	112	634
Pictures or the like. Reproducing.....	W. Ostwald and O. Gros.....	770,533	Sept. 20	2660	.....	112	634
Pictures. Producing.....	M. M. Fields.....	765,275	July 19	2748	573	111	632
Pictures. Producing invisible.....	E. Doberenz.....	775,747	Nov. 22	4491	952	113	1066
Pictures, &c. Reproducing multicolor.....	A. von Beust.....	758,501	Apr. 26	4578	983	109	2384
Pictures, shades, &c. Pole for hanging or taking down.....	P. E. Page.....	767,496	Aug. 16	2775	579	111	1693
Pictures. Treating.....	W. B. Tyler.....	758,945	May 3	737	.....	110	171
Pie-cutter.....	I. Wray.....	762,369	June 14	1463	319	110	1775
Pie-machine.....	W. L. McCullough.....	762,649	June 14	2044	442	110	1901
Pie-making machine.....	J. C. Hutchison.....	756,630	Apr. 5	842	182	109	1521
Pie-making machine.....	D. S. Williams.....	778,295	Dec. 27	3687	94	113	2260
Pie-marker.....	O. L. Weimar.....	771,192	Sept. 27	3938	835	112	938
Pie-pan.....	G. C. Norman.....	752,250	Feb. 16	2754	610	108	1691
Pie-plate rim. Supplemental.....	G. L. and M. P. Blackman.....	749,523	Jan. 12	2013	418	108	471
Pigment and producing it from ferrous liquors.....	A. S. Ramage.....	758,687	May 3	157	.....	110	38
Pigment-applying apparatus.....	C. J. Sams.....	758,738	May 3	439	88	110	118
Pigments. Making.....	W. J. Armbruster.....	751,444	Feb. 9	1224	.....	108	1336
Pile.....	G. W. Jackson and C. Hogan.....	758,656	May 3	94	20	110	25
Pile and wharf supporting structure.....	H. C. Holmes.....	772,100	Oct. 11	1787	397	112	1358
Pile. Composite.....	E. A. Smith.....	762,496	June 14	1727	371	110	1833
Pile. Concrete.....	G. H. Poor.....	770,475	Sept. 20	2544	542	112	607
Pile-driver.....	J. H. Hopkins.....	757,926	Apr. 19	3422	740	109	2109
Pile-driver.....	E. S. Leach.....	759,534	May 10	1938	396	110	459
Pile-driver.....	S. L. G. Knox.....	765,016	July 12	2269	470	111	511
Pile-driver.....	W. H. Warrington.....	777,450	Dec. 13	1941	429	113	1873
Pile-driving apparatus.....	H. W. Phillips.....	757,960	Apr. 19	3483	754	109	2123
Pile-driving device.....	W. H. Ellis.....	760,659	May 24	4541	968	110	1066
Pile-driving. Method of and apparatus for.....	A. H. Enderlen.....	764,802	July 12	1855	381	111	421
Pile fabric and manufacture of same.....	H. Hardwick.....	760,986	May 24	4787	1018	110	1117
Pile-fabric-cutting machine.....	W. Read and E. Hedin.....	776,548	Dec. 6	156	35, 36	113	1460
Pile fabric. Double.....	F. Pearson.....	749,219	Jan. 12	1376	294	108	337
Pile fabric. Woven.....	H. Sarafian.....	752,712	Feb. 23	3608	817	108	1908
Pile fabric. Woven.....	H. Hardwick.....	760,985	May 24	4786	1018	110	1117
Pile fabric. Woven.....	T. B. Dornan.....	773,130	Oct. 25	3995	1846	112	1888
Pile fabrics. Mechanism for cutting loops of.....	W. G. Hartley.....	768,225	Aug. 23	4283	901	111	2014
Pile for forming concrete piling. Removable.....	F. Shuman.....	756,305	Apr. 5	1176	261	108	1305
Pile for use in forming concrete piling. Preparatory.....	F. Shuman.....	763,212	June 21	3160	681	110	2168
Pile-point.....	R. S. Davis.....	748,705	Jan. 5	290	66	108	64
Pile. Protected.....	C. W. Kennon.....	758,841	May 3	519	106	110	124
Pile-protector.....	A. S. Cooper.....	749,920	Jan. 19	2785	594	108	657
Pile-strengtheners.....	A. S. Cooper.....	749,957	Jan. 19	2851	690	108	670
Piling.....	M. R. Vanderkloot.....	763,526	June 28	3785	817	110	2322
Piling construction. Metallic-sheet.....	L. R. Gifford and R. V. Sage.....	776,131	Nov. 29	5253	1120	113	1253
Piling. Interlocking metal-sheet.....	G. E. Nye.....	753,094	Feb. 23	4426	984	108	2078
Piling mechanism.....	S. V. Huber.....	768,050	Aug. 23	3891	1817	111	1956
Piling. Metal.....	J. J. Harold.....	766,185	Aug. 2	62	11	111	1055
Piling. Metal sheet.....	G. E. Nye.....	778,601	Dec. 27	4247	924	113	2391
Piling. Metallic.....	W. L. Cowies and J. N. Hatch.....	751,469	Feb. 9	1267	290	108	1345
Piling. Metallic sheet.....	L. R. Gifford and R. V. Sage.....	776,132	Nov. 29	5254	1110	113	1253
Piling. Sheet.....	L. P. Priestedt.....	756,618	Apr. 5	811	175	109	1514
Piling. Sheet.....	W. C. Harder.....	771,426	Oct. 4	423	95	112	1047
Piling. Sheet.....	J. N. Hatch.....	774,877	Nov. 15	2633	566	113	622
Piling. Sheet.....	R. V. Sage and L. R. Gifford.....	776,147	Nov. 29	5281	1116	113	1259
Piling. Sheet.....	R. Dobry.....	778,354	Dec. 27	3755	818	113	2384
Pill or tablet machine.....	F. W. Kirzinger.....	778,750	Dec. 27	3754	817	113	2419
Pill-safe. Pocket.....	J. W. Acker.....	765,338	July 19	3285	688	111	745
Pillar, &c., base.....	C. E. Zimmermann.....	769,796	Sept. 13	1595	1340	112	376
Pillow, cushion, &c.....	O. B. Starkwather.....	774,996	Nov. 15	2871	613	113	679
Pin.....	J. H. Sperry.....	765,519	July 19	3249	680	111	739
Pin.....	S. Dancyger.....	757,096	Apr. 12	1762	383	109	1734
Pin.....	L. E. Johnson.....	772,887	Oct. 18	3505	732	112	1294
Pin.....	S. Dancyger.....	778,353	Dec. 27	3754	818	113	2384
Pin.....	J. M. Staley.....	778,512	Dec. 27	4075	888	113	2355
Pin-catch.....	D. M. Watkins.....	776,279	Nov. 29	5534	1172	113	1317

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Pin-clasp	W. G. Shockey	755,063	Mar. 22	3657	803	109	851
Pin-clasp	W. R. Smith	776,763	Dec. 6	598	130	113	1558
Pin-book	G. W. McGill	749,084	Jan. 10	1078	228	108	249
Pin-joint	A. Pollard	739,548	May 10	1967	401	110	466
Pin-lock	W. H. Taylor	758,026	Apr. 19	3622	784	109	2152
Pin-lock	W. H. Taylor	758,027	Apr. 19	3623	784	109	2153
Pin-retainer	J. Evans	757,729	Apr. 19	3045	664	109	2025
Pin-retainer	F. H. Voigt	776,969	Dec. 6	1020	218	113	1654
Pin safety-catch	A. M. Remington	774,608	Nov. 8	3098	445	113	469
Pin-sticking machine. Safety-	F. M. Johnson	732,229	Feb. 16	2707	599	108	1681
Pin-tongue	A. C. Stone	761,858	June 7	496	100	110	1550
Pin-tongue	D. A. Seligman	763,805	June 28	4341	942	110	2440
Pin-tongue	J. C. Stone	770,384	Sept. 20	2238	482	112	554
Pin-tongue joint	C. W. Kelley	767,895	Aug. 16	3529	747	111	1858
Pin-tumbler lock	W. H. Taylor	758,024	Apr. 19	3618	783	109	2152
Pin-tumbler-lock key	W. H. Taylor	758,025	Apr. 19	3620	788	109	2152
Pins. Machine for separating, feeding, and driving headless pointed	W. F. Fraser	778,484	Dec. 27	4032	877	113	2344
Pine-needles. Treating	C. M. and O. C. Terrell	758,874	May 3	594	118	110	142
Ping-pong or table-tennis balls. Retriever for	F. H. Smith	771,886	Oct. 11	1324	302	112	1258
Pinion-housing	J. R. George	768,041	Aug. 23	3873	811	111	1951
Pinions, sprocket-wheels, or the like. Means for cutting toothed	R. W. Smith	772,841	Oct. 18	3268	713	112	1702
Pipe:					714		
See Apparel-attached	Sewer-pipe.						
pipe.	Smoking-pipe.						
Drain-pipe.	Stove-pipe.						
Hawse-pipe.	Tobacco-pipe.						
Hose-pipe.	Tobacco-smoking pipe.						
Lock-bar pipe.	Water-pipe.						
Pipe	J. H. Taylor	749,338	Jan. 12	1616	341	108	889
Pipe	E. Temple	732,474	Feb. 16	3183	710	108	1783
Pipe and jointing same	V. Thorpe	749,465	Jan. 12	1304	333	108	447
Pipe and making same	L. A. Brown and D. Tredway	751,454	Feb. 9	1242	283	108	1340
Pipe and nut wrench	J. Rumery	768,427	June 28	3627	781	110	2289
Pipe and nut wrench. Combined	J. C. Snider	754,509	Mar. 15	2623	569	109	609
Pipe and nut wrench. Combined	G. E. Carnes	757,861	Apr. 19	3298	714	109	2081
Pipe and tobacco box	B. F. McIntosh	772,687	Oct. 18	3852	626	112	1612
Pipe band and fastening	A. W. Hight	761,486	May 31	5774	1233	110	1353
Pipe-bending apparatus	L. H. Brinkman	774,377	Nov. 8	1616	347	113	381
Pipe-bending machine	H. F. Condon	749,029	Jan. 5	949	200	108	220
Pipe-bending machine	J. J. Tynan and W. Rhodes	760,283	May 17	3392	715	110	798
Pipe, cigar, or cigarette holder stem	C. P. Cassidy	761,447	May 31	5716	1217	110	1340
Pipe-clamp	H. Fishery	762,904	June 21	2729	592	110	2070
Pipe-cleaner	P. Wolf	774,461	Nov. 8	1769	382	113	412
Pipe-clearing apparatus	F. Schaff	764,900	July 12	2068	427	111	469
Pipe collar or ring	J. Strand	758,870	May 3	538	116	110	141
Pipe connection. Soil and sewer	W. F. J. Lutz	763,298	June 21	3331	719	110	2200
Pipe connections. Apparatus for tightening socket-	H. Beinhauer	758,464	Mar. 1	456	107	109	100
Pipe-coupling	P. E. Fisher	750,444	Jan. 26	3759	817	108	887
Pipe-coupling	J. E. Finker	754,258	Mar. 8	2051	455	109	467
Pipe-coupling	T. T. Seals	755,249	Mar. 22	3986	884	109	920
Pipe-coupling	H. Broome	755,994	Mar. 29	5431	1200	109	1253
Pipe-coupling	S. H. Powers	758,102	Apr. 26	3782	822	109	2205
Pipe-coupling	C. E. Churchill	760,424	May 24	3647	771	110	870
Pipe-coupling	H. O. Kelsey	762,317	June 14	1359	292	110	1755
Pipe-coupling	H. T. Merriam	762,545	June 14	1842	396	110	1853
Pipe-coupling	L. B. Post	762,758	June 14	2229	994	110	1947
Pipe-coupling	O. Eisenhuth	768,359	Aug. 23	4530	953	111	2098
Pipe-coupling	J. J. Dossert	772,136	Oct. 11	1856	412	112	1372
Pipe-coupling	W. S. Houser	774,667	Nov. 8	2157	471	113	494
Pipe-coupling	J. D. Walsh	776,971	Dec. 6	1023	219	113	1654
Pipe-coupling. Automatic	C. O. Cole	757,888	Apr. 19	3349	724	109	2093
Pipe-coupling. Automatic train-	C. B. Dickerson	771,002	Sept. 27	3576	753	112	856
Pipe-coupling, closing device, and drain attachment	A. H. Hicks	769,880	Sept. 6	486	108	112	110
Pipe-coupling. Concrete-sleeve	N. Rhoades, Jr	760,564	May 24	3928	834	110	934
Pipe-coupling. Flexible	J. J. Reilly	737,143	Apr. 12	1860	406	109	1756
Pipe-coupling. Flexible and expandable	J. C. Bayles	773,046	Oct. 25	3699	796	112	1815
Pipe-coupling. Flexible and expandable	J. C. Bayles	773,047	Oct. 25	3702	796	112	1815
Pipe coupling or connection	F. W. Carlson	764,947	July 5	1845	181	111	182
Pipe coupling or connection	F. W. Carlson	766,754	Aug. 2	1255	297	111	1820
Pipe coupling. Train-	G. L. Bonham	762,127	June 7	980	203	110	1650
Pipe coupling. Train-	T. M. D. Earheart	771,540	Oct. 4	644	143	112	1096
Pipe coupling. Valved-	M. T. Quigley	756,053	Mar. 29	5538	1221	109	1278
Pipe-covering	M. Sullivan	754,256	Mar. 8	2048	455	109	466
Pipe-covering and making same	J. A. McConnell	775,537	Nov. 22	4049	853	113	970
Pipe-covering and making same	J. A. McConnell	775,541	Nov. 22	4077	858	113	976
Pipe-coverings. Apparatus for molding	J. A. McConnell	775,540	Nov. 22	4071	858	113	974
Pipe-cutter	H. F. Renner	758,334	Apr. 26	4256	914	109	2310
Pipe-cutter	R. A. Jackson	760,138	May 17	3101	648	110	733
Pipe-cutter	A. and A. H. Rodefeld, Jr.	766,844	Aug. 9	1940	312	111	1391
Pipe cutting and threading machine. Portable	C. S. Card	774,934	Nov. 15	2746	589	113	649
Pipe-cutting machine	J. L. Hanna, Jr	761,071	May 31	4991	1059	110	1180
Pipe-dressing machine	O. Quant	768,568	June 28	3866	838	110	2340
Pipe-elbow	L. E. McNeal	751,543	Feb. 9	1392	317	108	573
Pipe-elbow machine	J. Baumele	748,686	Jan. 5	248	58, 59	108	54

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Pipe ends. Apparatus for upsetting.....	E. Hancox.....	751,637	Feb. 9	1579	359	108	1412
Pipe expanding and flanging machine. Metal.....	L. D. Lovekin.....	775,574	Nov. 22	4155	875	113	998
Pipe expanding and flanging tool.....	L. D. Lovekin.....	766,633	Aug. 2	1006	876	111	1265
Pipe expanding and flanging tool.....	L. D. Lovekin.....	771,558	Oct. 4	678	152	112	1108
Pipe expansion-joint. Soil.....	C. L. Holt.....	760,790	May 24	4401	935	110	1036
Pipe-finishing tool. Flanged.....	L. D. Lovekin.....	775,572	Nov. 22	4150	873	113	992
Pipe-fitting.....	F. J. Madden.....	749,309	Jan. 12	1560	380	108	875
Pipe fitting and testing apparatus.....	W. Vanderman.....	755,082	Mar. 22	3691	810	109	899
Pipe fitting. Soil.....	G. F. Ryan.....	770,539	Sept. 20	2672	565	112	636
Pipe-flask hinge.....	S. Reichwein.....	773,224	Oct. 25	4217	892	112	1987
Pipe-forcing jack.....	G. F. Freed.....	750,959	Feb. 2	337	80	108	1136
Pipe. Forming.....	C. B. Stravs and J. N. Jager.....	777,550	Dec. 13	2150	471	113	1917
Pipe-forming apparatus.....	C. B. Stravs and J. N. Jager.....	777,560	Dec. 13	2153	472	113	1917
Pipe-grab.....	F. J. Lukins.....	776,523	Dec. 6	94	22	113	1446
Pipe-hanger.....	T. Fee.....	753,969	Mar. 8	1515	337	109	349
Pipe-hanger.....	C. MacTaggart.....	758,458	Apr. 26	4488	965	109	2362
Pipe-hanger.....	H. K. Kriebel.....	763,987	July 5	116	19	111	39
Pipe-hanger.....	H. J. Newberry.....	766,890	Aug. 12	1560	332	111	1112
Pipe-hanger.....	A. M. Hewlett.....	769,746	Sept. 13	1160	250	112	280
Pipe-hanger. Adjustable.....	O. C. Meyer.....	775,244	Nov. 15	3433	725	113	815
Pipe, &c., in continuous lengths. Apparatus for forming.....	C. B. Stravs and J. N. Jager.....	777,561	Dec. 13	2164	475	113	1920
Pipe in continuous lengths. Forming.....	C. B. Stravs and J. N. Jager.....	777,562	Dec. 13	2166	476	113	1920
Pipe-inverting device. Sewer.....	H. A. Robinson.....	761,404	May 31	5637	1201	110	1322
Pipe-jack.....	V. Kohout.....	765,364	July 19	2933	612	111	670
Pipe-joint.....	D. P. Fahrney, G. A. Newton, and F. F. Simmons.....	751,273	Feb. 2	936	213	108	1256
Pipe-joint.....	W. M. Rapp.....	758,278	Apr. 26	4132	892	109	2283
Pipe-joint.....	J. A. McCulloch.....	762,929	June 21	2625	569	110	2047
Pipe-joint.....	A. V. Crawford and J. Gordon.....	763,542	June 28	3822	827	110	2330
Pipe-joint.....	H. C. Weeden.....	766,006	July 26	4219	960	111	958
Pipe-joint.....	H. C. Weeden.....	766,855	Aug. 9	1509	315	111	1395
Pipe-joint.....	L. Sussman.....	771,682	Oct. 4	910	205	112	1154
Pipe-joint.....	H. Stier.....	773,106	Oct. 25	3934	835	112	1874
Pipe-joint and forming same.....	T. H. Milson.....	765,486	July 19	3079	644	111	702
Pipe-joint. Compensating.....	L. Hochstein.....	765,484	July 19	3189	666	111	726
Pipe-joint construction.....	M. Kronauer.....	769,442	Sept. 6	594	130	112	135
Pipe-joint. Expansion.....	J. R. Hussey.....	770,525	Sept. 20	2649	560	112	631
Pipe-joint. Flexible.....	C. H. Weaver and L. H. Houghton.....	762,667	June 14	2076	449	110	1908
Pipe-joint. Lead.....	G. Bryar.....	748,579	Jan. 5	41	11	108	12
Pipe-joint. Lock-bar.....	T. A. Gillespie.....	761,067	May 31	4986	1057	110	1179
Pipe-joint or coupling.....	A. Spratt.....	748,807	Jan. 5	473	106	108	106
Pipe-joint or coupling.....	A. Spratt.....	748,808	Jan. 5	474	106	108	106
Pipe-joint. Soil and sewer.....	W. F. J. Lutz.....	766,453	Aug. 2	611	129	111	1173
Pipe-joints. Construction of.....	T. H. Milson.....	765,487	July 19	3081	645	111	702
Pipe-joints. Machine for uniting sheet-metal.....	J. J. Mulvaney.....	758,330	Apr. 26	4250	915	109	2310
Pipe-lining machine.....	J. T. Langford.....	750,660	Jan. 26	4154	901	108	967
Pipe-mills. Endless conveyor for.....	C. Jarrett.....	751,795	Feb. 9	1868	426	108	1473
Pipe-mold.....	M. T. Stevens.....	766,739	Aug. 2	1227	260	111	1313
Pipe-mold.....	O. Johnson.....	771,911	Oct. 11	1384	315	112	1568
Pipe-mold.....	L. Shell.....	772,259	Oct. 11	2117	463	112	1431
Pipe-mold.....	L. E. Peck.....	776,612	Dec. 6	284	63	113	1439
Pipe-mold core.....	P. Clifford.....	775,205	Nov. 15	3303	705	113	778
Pipe or bar cutter.....	W. T. Snell.....	737,975	Apr. 19	3512	762	109	2129
Pipe or cigar-holder mouthpiece.....	C. Kessler.....	753,370	Mar. 22	4223	934	109	973
Pipe or cigar-holder mouthpiece.....	C. Elkin, Jr.....	767,804	Aug. 16	3342	707	111	1819
Pipe or nut holder.....	W. N. Sawyer.....	750,307	Jan. 26	3506	738	108	820
Pipe or rod holder.....	E. E. Townsend.....	749,700	Jan. 19	2480	528	108	590
Pipe or spout holder.....	J. V. Abronski.....	750,516	Jan. 26	3899	846	108	916
Pipe-plates. Machine for working.....	E. Hancox.....	751,636	Feb. 9	1578	358	108	1412
Pipe-puller.....	J. W. Walker.....	767,782	Aug. 16	3394	696	111	1808
Pipe-rack.....	R. K. Kriebel.....	769,350	July 12	1488	304	111	842
Pipe-reamer and thread-cutter. Combined.....	B. H. Link and C. S. Brenholts.....	778,753	Dec. 27	4513	988	113	2450
Pipe-reaming device.....	J. Elder.....	765,133	July 12	2489	520	111	557
Pipe-repairer.....	G. W. Switzer.....	763,809	June 28	4347	944	110	2142
Pipe-rest.....	A. A. Athies.....	751,443	Feb. 9	1222	279	108	1336
Pipe sealing-cap. Soil.....	W. E. Delehanty.....	759,081	May 3	981	199	110	223
Pipe-stand.....	B. C. Newlove.....	764,491	July 5	1181	241	111	260
Pipe-supporting bracket. Adjustable.....	A. Clarkson.....	755,847	Mar. 29	5154	1139	109	1194
Pipe-threader.....	D. Edwin.....	775,721	Nov. 22	4446	940	113	1056
Pipe-threading device.....	T. W. Hardin.....	774,537	Nov. 8	2930	443	113	457
Pipe trap. Waste.....	T. Linke.....	737,904	Aug. 16	3543	750	111	1861
Pipe-union.....	W. S. Kemper.....	769,654	Sept. 6	976	212	112	222
Pipe-wrench.....	E. J. Bates.....	750,795	Feb. 2	28	6	108	1063
Pipe-wrench.....	O. F. Helfritz.....	732,772	Feb. 23	3767	841	108	1830
Pipe-wrench.....	T. W. Hardin.....	752,837	Feb. 23	3860	874	108	1938
Pipe-wrench.....	G. McKeffer.....	738,725	Mar. 1	981	222	109	211
Pipe-wrench.....	K. Chickering.....	755,846	Mar. 29	5152	1139	109	1194
Pipe-wrench.....	J. R. Berkheiser.....	761,352	May 31	5337	1180	110	1298
Pipe-wrench.....	J. W. Muskett.....	761,389	May 31	5617	1195	110	1316
Pipe-wrench.....	W. A. Hostetler.....	763,096	June 21	2942	624	110	2116
Pipe-wrench.....	J. C. McQuilkin.....	764,619	July 12	1488	304	111	842
Pipe-wrench.....	H. R. Sinclair.....	764,641	July 12	1536	313	111	352
Pipe-wrench.....	F. A. Headson.....	765,007	July 12	2256	466	111	509
Pipe-wrench.....	C. F. Leavitt.....	765,583	July 19	3359	705	111	761

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Pipe-wrench	L. Mills	766,458	Aug. 2	622	132	111	1175
Pipe-wrench	L. H. and A. C. Plank	767,237	Aug. 9	2367	473	111	1210
Pipe-wrench	J. D. Thurston	767,532	Aug. 16	2841	594	111	1307
Pipe-wrench	J. D. Noyes	772,576	Oct. 18	2761	608	112	1593
Pipe-wrench	B. Meczynski	773,958	Nov. 1	853	179	113	196
Pipe-wrench	W. W. Miller	776,411	Nov. 29	5781	1224	113	1374
Pipe-wrench	M. L. Biehler	777,772	Dec. 20	2560	567	113	2020
Pipe-wrench	J. J. Layton	778,051	Dec. 20	3162	696	113	2140
Pipe-wrench	F. Scheffer, Jr.	778,278	Dec. 27	3606	787	113	2253
Pipe wrench and cutter. Double-acting	G. E. R. Rothenbueher	778,581	Nov. 22	4170	879	113	997
Pipe-wrench. Chain	G. Amborn and G. W. Bufford	769,042	Aug. 30	5968	1250	111	2441
Pipe-wrench. Chain	G. Amborn and H. C. Chase	773,773	Nov. 1	450	100	113	106
Pipes. Adjustable joint for water and steam	A. L. Holmes	774,112	Apr. 12	1793	393	109	1740
Pipes. Apparatus for use in connection with the manufacture of sanitary or other like	R. Stanley	759,402	May 10	1695	1343	110	404
Pipes. Cleaning and coating	J. G. McDowell	763,610	Mar. 1	748	121	109	163
Pipes. Combined fitting for soil and vent.	E. G. Watrous	759,050	Mar. 3	619	129	109	163
Pipes. Connecting lead	T. B. Miller	769,869	Sept. 13	1399	298	112	334
Pipes. Manufacture of lapweld	R. C. Crawford and G. Baehr	774,311	Nov. 8	1498	322	113	351
Pipes, &c. Protective covering for	W. H. Washington	749,955	Jan. 19	2947	608	108	670
Pipes. Securing metal coverings upon	R. V. Skowronek	776,952	Dec. 6	985	212	113	1044
Pipes. Tool for and process of repairing	J. H. Christman	775,124	Nov. 15	3135	666	113	739
Pipes, tubes, or rods. Manufacturing screw-threaded	E. T. Greenfield	776,737	Dec. 6	552	121	113	1549
Pipes, tubes, &c. Sheet-metal band for shoes of.	G. W. Garrett and G. F. Schaffer	772,412	Oct. 18	2432	533	112	1522
Piping fluids	J. D. Isaacs and J. B. Speed	759,374	May 10	1636	332	110	390
Pistol-case	C. C. Brannon	769,428	Sept. 6	569	124	112	390
Pistol. Fire-cracker	W. G. Potter	766,285	Aug. 9	1515	381	111	1108
Pistol-grip	G. C. Bourne	759,415	May 10	1714	347	110	408
Pistol. Magazine cap	G. J. Altermatt	751,039	Feb. 2	474	111	108	1162
Piston	K. Mathews	750,875	Feb. 2	185	43	108	1098
Piston	J. Boop	751,252	Feb. 2	802	206	108	1249
Piston	D. P. Schyman	767,017	Aug. 9	1515	381	111	1484
Piston	D. W. Porter	769,630	Sept. 6	936	203	112	213
Piston	J. S. Ladd	774,186	Nov. 8	1277	271	113	306
Piston and piston-rod	S. W. Brinard	769,248	Sept. 6	320	52	112	48
Piston chambers and rings. Machine for grinding.	J. B. Phillips	760,037	Jan. 19	3005	644	108	703
Piston-cylinder	R. Herman	765,235	June 21	3292	711	110	2194
Piston. Hydrostatic or pneumatic.	J. H. Cramer	772,457	Oct. 18	2323	553	112	1542
Piston-joint	G. C. E. de Bonnechese	748,916	Jan. 5	695	152	108	157
Piston-ring	W. C. Smith	757,065	Apr. 12	1701	369	109	1720
Piston-ring	D. B. Morrison	757,214	Apr. 12	1965	434	109	1785
Piston-ring	W. C. Smith. (Reissue)	757,215	May 24	4963	1061	110	1153
Piston-rings from outside the cylinders. Device for adjusting	P. Bode	751,779	Feb. 9	1839	419	108	1465
Piston-rod	H. A. J. Neumann	754,793	Mar. 15	3162	689	109	725
Piston-rod-cooling device	T. Matson	751,802	Feb. 9	1883	429	108	1476
Piston-rod extension	I. D. Morgan	771,023	Sept. 27	3626	763	112	866
Piston-rod support	W. C. Trout	774,213	Nov. 8	1322	281	113	315
Piston-rods from cross-heads. Device for separating	C. J. McCarthy	776,227	Dec. 6	926	200	113	1630
Piston-travel regulator	J. T. Fite	751,905	Feb. 9	2093	1473	108	1525
Pistons. Machine having rotating	C. H. O. Hamann	753,390	Mar. 1	316	71,72	109	71
Pitcher. Antidrip	M. S. Cross	774,739	Nov. 15	2346	508	113	558
Pitcher. Syrup	M. Bradford	772,207	Oct. 11	2010	443	112	1406
Pitchfork-blanks. Forming	C. K. Jansen and F. Eisbrenner	761,681	June 7	118	20	110	1465
Pitchfork-forming blank	C. K. Jansen and F. Eisbrenner	773,289	Oct. 25	4342	917	112	1965
Pitman	A. Grieves	751,500	Feb. 9	1319	301	108	1357
Pitman	K. F. Seith	754,506	Mar. 15	2617	568	109	608
Pitman	J. L. Scott	763,802	June 28	4329	940	110	2438
Pitman connection	H. Pease	755,164	Mar. 22	3827	846	109	888
Pitman connection	P. E. Dix	760,855	May 24	4535	966	110	1064
Placer machine. Dry	J. J. Callahan	765,811	July 26	3850	1821	111	877
Placket and shirt-waist holder. Combined	C. J. Bender	752,371	Feb. 16	2990	666	108	1743
Placket-closer	D. A. Moon	758,459	Apr. 26	4489	965	109	2362
Placket-closing device	A. Wildmann	770,667	Sept. 20	3315	620	112	692
Placket-fastener	R. D. Slater	770,571	Sept. 27	3626	763	112	737
Placket-fastening	H. D. Stimson	777,816	Dec. 20	2673	588	113	2042
Plait-raiser	W. A. Zeidler	772,491	Oct. 18	2604	572	112	1559
Plaiting-machine	N. De Witte	777,943	Dec. 20	2953	649	113	2098
Plane	E. A. Schade	758,698	May 3	180	38	110	43
Plane	H. M. Wood	758,945	May 3	741	147	110	172
Plane	J. A. Traut	766,473	Aug. 2	663	142	111	1183
Plane	A. W. Campbell	766,491	Aug. 2	715	150	111	1196
Plane	E. A. Schade	769,408	Sept. 6	533	117	112	120
Plane	J. Muehl	775,378	Nov. 22	3713	788	113	895
Plane. Bench	E. O. Sjolander	749,827	Jan. 19	2605	557	108	618
Plane. Hand	E. Haydock	750,189	Jan. 19	3280	708	108	751
Plane. Hand	W. E. Lee	760,074	May 17	2982	623	110	707
Plane-handle	P. E. Draughon	752,532	Feb. 16	3289	732	108	1807
Plane-iron-adjusting device	J. W. Carleton and G. E. Trask	763,721	June 28	4167	908	110	2405
Plane. Molding or beading	C. C. Crossley	771,463	Oct. 4	478	108	112	1060
Plane. Router	M. H. Parker	761,097	May 31	5052	1072	110	1194
Plane. Scraping	W. Usher	755,587	Mar. 22	4600	1022	109	1653
Plane. Self-oiling	J. Weyland	770,881	Sept. 27	3342	748	112	835
Planer	E. Rawson	757,963	Apr. 19	3487	757	109	2124
Planer	M. Flather	771,817	Oct. 11	1180	263	112	1226
Planer driving mechanism. Metal	G. A. Gray	769,377	Sept. 6	480	106	112	109
Planing-machine	H. B. Ross	750,125	Jan. 19	3170	682	108	737

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Planing-machine.	W. O. Vivartas	750,917	Feb. 2	239	60	108	1114
Planing-machine cutter. Wood-	G. Johnson, Jr.	767,564	Aug. 16	2801	607	111	1721
Planing-machine edging attachment.	R. F. Brumbaugh	771,894	Oct. 11	1550	306	112	1262
Planing-machine feed-roll.	H. B. Ross	771,501	Oct. 4	589	123	112	1075
Planing-machine locking device.	H. B. Ross	771,500	Oct. 4	549	122	112	1075
Planing or like machines. Driving mechanism for.	R. W. and L. H. Bateman	767,789	Aug. 16	3311	699	111	1812
Planing or smoothing curved or irregular objects. Machine for	C. W. Smith	755,321	Mar. 22	4122	911	109	947
Plant chopper or cutter.	J. W. Arthur	766,315	Aug. 2	338	75, 76	111	1119
Plant-chopper. Rotary	W. E. Lewis	756,384	Apr. 5	305	80	109	1428
Plant-propagating apparatus.	R. S. Lawrence	762,589	June 14	1924	414	110	1874
Plant-protector.	C. Leigh	754,322	Mar. 8	2162	479	109	489
Plant-protector.	M. B. Lewis	756,123	Mar. 29	5677	1253	109	1307
Plant-protector.	A. M. Lane	757,045	Apr. 12	1673	362	109	1714
Plant-protector.	C. Marsh	778,688	Dec. 27	4337	961	113	2456
Plant-support.	F. Gompf	759,665	May 10	2240	462	110	523
Plant-support.	C. H. Kunzman	760,879	May 24	4573	975	110	1073
Plant-support.	R. Y. Kessler	764,472	July 5	1151	234	111	254
Plant-support.	H. Thaden	765,404	July 19	3007	629	111	687
Plant support and holder. Adjustable.	H. C. Chessman	754,542	Mar. 15	2574	551	109	620
Plant-transporting box. Potted-	L. P. Lord	760,886	May 24	4584	977	110	1075
Plant weeding and thinning-out device.	B. J. Otto	759,393	May 10	1674	338	110	399
Planter	A. G. Myers	749,394	Jan. 12	1730	366	108	412
Planter	J. L. Durham	761,665	June 7	77	13	110	1454
Planter	J. H. Grooters.	762,706	June 14	2168	473	110	1927
Planter	A. D. Ezzell	764,535	July 5	1260	259	111	275
Planter	J. M. Roberts	770,609	Sept. 20	2794	594	112	664
Planter	W. T. Arnold	771,524	Oct. 4	604	135	112	1088
Planter	W. T. Arnold	772,339	Oct. 18	2262	496	112	1485
Planter.	J. D. Schofield	777,754	Dec. 20	2522	557	113	2012
Planter	H. J. Cordle	777,842	Dec. 20	2726	600	113	2054
Planter and fertilizer-distributor. Combined.	A. H. Wells	751,124	Feb. 2	622	144	109	1193
Planter and fertilizer-distributor. Combined cotton-	F. S. Williams	770,515	Sept. 20	2625	556	112	626
Planter and fertilizer-distributor. Combined seed-	W. C. Lynham and W. D. Crews	776,535	Dec. 6	104	25	113	1448
Planter and fertilizer-distributor. Seed-	J. D. Kinney	757,813	Apr. 19	3212	687	109	2062
Planter and marker. Automatic corn-	G. S. Boyd	756,153	Mar. 29	5716	1262	109	1315
Planter and marker. Combined corn-	A. Dubach	749,541	Jan. 12	2056	426	108	482
Planter attachment.	R. A. Patterson	751,988	Feb. 9	2161	427	108	1538
Planter attachment.	C. B. Webster	770,343	Sept. 20	2315	488	112	558
Planter attachment. Wireless corn-	F. R. Bergfield	763,352	July 19	2912	608	111	666
Planter. Automatic check-row corn-	E. O. Storrs	750,729	Jan. 26	4328	935	108	1006
Planter. Broadcast seed-	S. B., C. G., and J. C. Abbott	758,231	Apr. 26	4022	873	109	2258
Planter check-line button.	W. Winkel	758,162	Apr. 26	3892	845	109	2231
Planter. Check-row.	A. L. Perkins	765,296	July 19	2778	580	111	637
Planter check-row attachment. Corn-	E. C. Roberts	769,835	Sept. 13	1343	287	112	322
Planter. Check-row corn-	G. A. Sechler and H. F. Engelking	768,081	Aug. 23	3989	838	111	1981
Planter. Check-row corn-	A. Bailey	770,414	Sept. 20	2427	513	112	582
Planter. Check-row corn-	J. B. Carter	777,938	Dec. 20	2946	647	113	2097
Planter. Corn-	W. L. Paul	751,548	Feb. 9	1406	321	108	1377
Planter. Corn-	L. P. Graham	751,632	Feb. 9	1571	356	108	1411
Planter. Corn-	L. P. Graham	751,633	Feb. 9	1573	357	108	1411
Planter. Corn-	S. Meiners	752,788	Feb. 23	3795	849	108	1936
Planter. Corn-	J. J. Hesser	757,399	Apr. 12	2376	517	109	1864
Planter. Corn-	J. W. White	760,045	May 17	2931	612	110	694
Planter. Corn-	J. B. Bartholomew	760,514	May 24	3828	813	110	914
Planter. Corn-	R. E. Elliott	763,687	June 28	4448	968	110	2464
Planter. Corn-	H. Schlicht	764,258	July 5	702	142	111	156
Planter. Corn-	L. P. Graham	764,455	July 5	1114	226	111	246
Planter. Corn-	F. E. Comstock	765,130	July 12	2485	520	111	556
Planter. Corn-	J. N. Blevens	769,885	Sept. 13	1490	303	112	338
Planter. Corn-	W. Draper	770,682	Sept. 20	2945	625	112	698
Planter. Corn-	L. P. Graham	771,778	Oct. 4	1091	245	112	1192
Planter. Corn-	H. C. Badenhop and W. Rosebrook	771,964	Oct. 11	1494	338	112	1391
Planter. Corn-	L. D. Benner	773,705	Nov. 1	329	72	113	79
Planter. Corn-	R. Thompson	774,711	Nov. 8	2246	489	113	514
Planter. Corn-	J. J. Hesser	777,205	Dec. 13	1459	323	113	1766
Planter. Corn-	F. P. Callahan	778,109	Dec. 20	3264	717	113	2161
Planter. Corn-	G. E. Muth and F. S. Culp	778,138	Dec. 20	3329	730	113	2176
Planter. Corn or cotton	G. B. Simmons and J. R. Whorton	756,722	Apr. 5	1016	225	109	1559
Planter. Cotton-	L. C. Ellison	752,968	Feb. 23	4183	932	108	2022
Planter. Cotton.	I. J. Willcox	753,185	Feb. 23	4579	1020	108	2112
Planter. Cotton.	J. W. Cheatham	764,110	July 5	402	77	111	88
Planter. Cotton.	I. Guyton	764,458	July 5	1120	227	111	248
Planter. Cotton-seed.	J. R. O'Neal	774,101	Nov. 1	1127	258	113	255
Planter drive-gear. Corn-	W. S. Graham	755,595	Mar. 22	4612	1025	109	1056
Planter marker-lifter. Corn-	E. E. Harter and E. O. Doak	748,728	Jan. 5	327	73	108	72

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Planter marker-lifter. Corn-	O. W. Jones	751,176	Feb. 2	732	167	108	1214
Planter, plow, &c., attachment.	S. Tier	758,969	May 3	773	155	110	179
Planter. Potato.	W. J. Norris and L. W. Walton	760,802	May 24	4436	943	110	1042
Planter. Potato.	C. Jenkins	771,369	Oct. 4	298	66	112	1025
Planter. Potato.	L. A. Aspinwall	772,302	Oct. 11	2002	442	112	1405
Planter-reel	J. H. Grooters	760,984	May 24	4781	1017	110	1116
Planter. Riding corn or cotton.	W. L. Casaday	766,168	Aug. 2	23	4 5	111	1047
Planter. Seed.	S. A. Grier	749,484	Jan. 12	1939	402	108	2085
Planter. Seed.	F. W. Stanley	751,879	Feb. 9	2039	461	108	1512
Planter. Seed.	C. Highers	752,553	Feb. 16	3330	742	108	1817
Planter. Seed.	W. H. Sandifur	752,595	Feb. 16	3413	760	108	1836
Planter. Seed.	H. S. Butler	753,119	Feb. 23	4462	930	108	2085
Planter. Seed.	E. M. Heylman	760,394	May 17	3587	757	110	841
Planter. Seed.	W. G. Danielson	768,656	Aug. 30	5183	1090	111	2285
Planter. Seed.	E. M. Heylman	769,137	Aug. 30	6150	1286	111	2479
Planter. Seed.	R. M. Hood	769,345	Sept. 6	416	95	112	620
Planter. Seed.	J. N. Kirk	770,530	Sept. 20	2399	551	112	620
Planter. Seed.	E. J. Gould and E. Bow	771,060	Sept. 27	3699	780	112	880
Planter. Seed.	F. E. Comstock	778,475	Dec. 27	4013	873	113	2340
Planter seeding attachment. Corn-	G. P. Oates	753,729	Mar. 1	987	223	109	213
Planter. Two-row	M. B. Gooing	775,093	Nov. 15	2944	627	113	696
Planters and drills. Gage-plate attachment for.	D. R. Vivion	770,578	Sept. 27	3398	705	112	802
Planters. Ground-marking device for corn-	H. Rockman	749,581	Jan. 12	2112	440	108	495
Planters. Reversible automatic marker for	L. P. McVay	752,919	Feb. 23	4084	510	108	2002
Planting device. Seed.	H. S. Dyer	752,651	Feb. 23	3570	795	108	1886
Planting-machine	S. H. Tinsman	764,509	July 5	1233	253	111	269
Planting machine. Seed.	G. W. Green	773,205	Oct. 25	4182	882	112	1929
Plaster. Adhesive	J. E. Birney	776,988	Dec. 6	1052	227	113	1670
Plaster-board	H. E. Sharp	757,060	Apr. 12	1691	367	109	1718
Plaster, &c. Composition for wall-	A. W. Perkins	767,434	Aug. 16	2638	.....	111	1661
Plaster-of-paris. Manufacture of.	W. Brothers	757,649	Apr. 19	2899	.....	109	1995
Plaster-of-paris. Producing.	W. A. Kõneman	767,065	Aug. 9	1916	.....	111	1487
Plaster or the like. Retaining material for.	J. H. Murphy and E. M. Camp	751,094	Feb. 2	572	133	108	1184
Plaster reel. Adhesive	J. F. McWilliam	777,044	Dec. 6	1169	255	113	1687
Plaster. Treating wood fiber for use in	M. E. Loose	758,987	May 3	803	161	110	185
Plastic composition	R. McCarrel	775,631	Nov. 22	4271	.....	113	1019
Plastic-material-cutting machine	E. Logan	776,476	Nov. 29	5914	1948	113	1404
Plastic material. Machine for making products of	W. E. Jaques	768,127	Aug. 25	4089	861	111	2003
Plastic material. Machine for molding	M. Kammerer	758,972	May 3	777	156	110	180
Plastic-material-molding apparatus.	J. A. McConnell	775,542	Nov. 22	4081	859	113	976
Plastic-material-packing machine.	J. C. Thom	749,644	Jan. 12	2225	469	108	517
Plastic materials. Die for producing articles from	L. Steinberger	753,070	Feb. 23	4264	550	108	2041
Plastic mold. Die	F. D. Davis	770,546	Sept. 27	3289	691	112	789
Plate-box	H. D. and R. C. Bickford	757,540	Apr. 19	2669	585	109	1942
Plate-charging mechanism	P. C. Patterson	771,493	Oct. 4	531	118	112	1071
Plate-clamp	J. C. F. Balze	778,214	Dec. 27	3461	762	113	2321
Plate-clamp	W. J. Main	778,255	Dec. 27	3549	773	113	2342
Plate-clamp	W. J. Main	778,829	Dec. 27	4672	1022	113	2487
Plate-handling machine	E. Miles	752,913	Feb. 23	4048	906	108	1992
Plate-handling machine	E. Miles	752,914	Feb. 23	4057	906	108	1995
Plate-handling machine	E. Miles	752,915	Feb. 23	4071	908	108	1999
Plate-holder	J. H. Smith and A. Brown	756,422	Apr. 5	467	97	109	1442
Plate-holder	W. F. Foimer	773,382	Oct. 25	4526	938	112	2004
Plate holder and adjuster	W. H. Golding	758,242	Apr. 26	4046	879	109	2263
Plate-holder kit	B. J. Young	773,841	Nov. 1	592	127	113	135
Plate-lifter	S. Stitt	752,366	Feb. 16	2977	663	108	1740
Plate-lifter	G. S. Solomon	754,250	Mar. 8	2037	453	109	464
Plate or pan lifter	W. T. Webb	776,786	Dec. 6	639	141	113	1567
Plate or saucer holder	J. E. Twitchell	775,374	Nov. 22	4738	1001	113	1115
Plates, dishes, &c. Machine for washing	P. C. M. J. Hédon	772,567	Oct. 18	2736	601	112	1588
Plates. Means for staying	J. M. McClellon	769,763	Sept. 13	1188	256	112	286
Platen. Adjustable	G. W. Donning	753,130	Feb. 23	4589	1023	108	2114
Platen. Copying	C. J. Bellamy	771,324	Oct. 4	8	2	112	962
Platen-press	E. T. Cleathero	774,040	Nov. 1	1006	213	113	238
Platen-shifting mechanism	C. J. Mohns	773,217	Oct. 25	4204	889	112	1934
Plating. Nickel-	J. W. Aylsworth	765,371	July 19	2941	615	111	672
Platform:							
See Elevating and dumping platform.							
Moving platform							
Platform or staging support	S. C. Johnson	760,995	May 24	4800	1021	110	1130
Playing-ball	F. H. Richards	738,851	May 9	511	108	110	126
Playing-ball	E. Kempsall	761,590	May 31	5961	1278	110	1395
Playing-ball	H. Bentz	766,160	Aug. 2	2	1	111	1043
Pleasure-wheel	C. Stubbs	774,209	Nov. 8	1317	280	113	314
Plier-type tool	W. L. Williams	751,594	Feb. 9	1501	341	108	1397

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Pliers.....	W. A. Bernard.....	753,224	Mar. 1	17	4	109	6
Pliers.....	H. E. Bonschur.....	755,440	Mar. 22	4345	96	109	986
Pliers.....	H. F. Kellonen.....	756,505	Apr. 5	618	134	109	1472
Pliers.....	C. J. Carlsen.....	759,668	May 10	2201	453	110	514
Pliers.....	L. Hansen.....	777,021	Dec. 6	1125	244	113	1677
Pliers. Impressing and perforating	J. Sohn.....	767,603	Aug. 16	2984	624	111	1739
Pliers-jaws.....	W. G. G. Weidinger.....	753,456	Mar. 1	443	103	109	97
Pliers. Soldering.....	R. S. Settle.....	776,555	Dec. 6	174	40	113	1465
Pliers. Wire-tightening	R. E. Quick.....	763,507	June 28	3755	811	110	2316
Plotting instrument	N. G. Davidson.....	749,921	Jan. 19	2785	595	108	657
Flow.....	T. O. Tollack.....	749,304	Jan. 12	1975	410	108	462
Flow.....	J. Naidul.....	750,385	Jan. 26	3649	732	108	863
Flow.....	G. A. Lane.....	750,985	Feb. 2	377	91	108	1141
Flow.....	E. G. Henry.....	751,642	Feb. 9	1586	361	108	1414
Flow.....	J. Reel.....	751,683	Feb. 9	1657	376	108	1429
Flow.....	G. L. Bradley.....	753,468	Mar. 1	462	108	109	101
Flow.....	G. L. Edgerton.....	753,473	Mar. 3	177	112	109	104
Flow.....	J. Kheil.....	754,572	Mar. 15	2729	534	109	680
Flow.....	G. W. Simmons.....	755,178	Mar. 22	3858	852	109	894
Flow.....	W. H. Wilson.....	755,424	Mar. 22	4317	955	109	992
Flow.....	B. C. Reese and G. W. Broome	755,548	Mar. 22	4523	1008	109	1036
Flow.....	S. W. J. Stone.....	755,859	Mar. 23	5380	1187	109	1244
Flow.....	L. Sack.....	756,414	Apr. 5	452	93, 94	109	1439
Flow.....	J. B. Jarmin.....	757,120	Apr. 12	1807	396	109	1742
Flow.....	F. Dinwiddle.....	757,448	Apr. 19	2464	397	109	1899
Flow.....	O. C. Babcock.....	757,539	Apr. 19	2968	584	109	1942
Flow.....	F. Wienke.....	757,855	Apr. 19	3289	712	109	2078
Flow.....	W. Fletcher.....	759,086	May 3	988	200	110	224
Flow.....	J. J. Harris.....	759,180	May 3	1169	235	110	266
Flow.....	E. J. Rubottom.....	759,474	May 10	1822	367	110	434
Flow.....	J. Roach and J. Jackson.....	759,918	May 17	2680	583	110	637
Flow.....	G. D. Franklow.....	760,188	May 17	3223	676	110	759
Flow.....	J. L. Weldon.....	760,767	May 24	4361	927	110	1028
Flow.....	J. B. George.....	761,043	May 24	4932	1045	110	1147
Flow.....	C. F. Bates.....	761,622	May 31	6025	1293	110	1409
Flow.....	J. L. Scoggin and J. R. Dean	764,383	July 5	976	197	111	216
Flow.....	C. R. Davis.....	764,713	July 12	1685	344	111	384
Flow.....	J. R. Davidson.....	764,921	July 12	2106	345	111	477
Flow.....	J. T. Simms.....	765,106	July 12	2444	506	111	548
Flow.....	L. M. Wilhite.....	765,115	July 12	2457	512	111	550
Flow.....	G. A. Kelly.....	765,843	July 26	3914	835	111	891
Flow.....	J. B. Jarmin.....	766,238	Aug. 2	244	47, 48	111	1094
Flow.....	F. J. Smith.....	769,194	Sept. 6	107	27	112	25
Flow.....	S. L. Geddes.....	769,897	Sept. 13	1442	809	112	343
Flow.....	J. Clayton.....	773,926	Nov. 1	795	166	113	183
Flow.....	J. B. Hill and J. N. Strom	774,924	Nov. 8	1531	328	113	361
Flow.....	E. B. Winters.....	774,630	Nov. 8	2087	454	113	479
Flow-adjusting mechanism	W. F. Genet.....	761,883	June 7	548	100	110	1562
Flow and chopper. Combined cultivating	T. Smith.....	765,401	July 19	3000	628	111	685
Flow and harrow. Combined	J. H. Keller.....	771,253	Oct. 4	67	15	112	976
Flow and planter. Lister	C. R. Davis.....	757,998	Apr. 19	3556	770	109	2138
Flow and planter. Lister	C. R. Davis.....	757,999	Apr. 19	3557	771	109	2138
Flow and planter. Sulky lister	C. R. Davis.....	758,000	Apr. 19	3557	771	109	2138
Flow attachment	E. H. Allman.....	748,682	Jan. 5	243	56	108	53
Flow attachment	T. Burkett and L. C. Davenport	739,251	Jan. 26	3399	735	108	805
Flow attachment	J. D. Heard.....	755,295	Mar. 22	4066	901	109	937
Flow attachment	J. D. Crowe.....	755,624	Mar. 29	4692	1044	109	1087
Flow attachment	E. M. Landis.....	758,981	May 3	789	150	110	182
Flow attachment	T. T. Wells.....	761,802	June 7	388	79	110	1525
Flow attachment	B. Chase.....	762,465	June 14	1665	365	110	1820
Flow attachment	B. B. Flinn.....	762,814	June 14	2392	621	110	1975
Flow attachment	W. N. Allen.....	770,412	Sept. 20	2424	512	112	582
Flow attachment	F. and J. V. Smith.....	773,431	Oct. 25	4645	980	112	2029
Flow. Automobile	H. B. Burdick.....	766,590	Aug. 2	912	192	111	1242
Flow. Bedding and furrowing disk	A. Horner.....	773,871	Nov. 1	680	142	113	157
Flow. Beet.....	H. F. Thompson.....	767,919	Aug. 16	3572	756	111	1867
Flow-brace.....	W. H. Thomas.....	772,757	Oct. 18	3126	681	112	1670
Flow. Combination.....	G. G. Ginn.....	751,630	Aug. 23	356	108	108	1410
Flow, cultivator, and harrow. Convertible	J. R. Jones.....	761,840	June 7	456	93	110	1540
Flow. Disk.....	O. E. Ellison.....	749,043	Jan. 5	984	208	108	229
Flow. Disk.....	C. Wagner.....	757,371	Apr. 12	2313	505	109	1852
Flow. Disk.....	S. V. Weeks.....	759,489	May 10	1853	373	110	441
Flow disk adjustment	C. Wagner.....	773,609	Nov. 1	140	30, 31	113	37
Flow. Disk cultivator	E. B. Lee and C. H. Beazley	749,619	Jan. 12	2174	456	108	507
Flow-display stand	W. N. Martin.....	774,680	Nov. 8	2188	473	113	501
Flow. Ditch.....	J. Robertson.....	774,200	Nov. 8	1298	276	113	310
Flow. Ditching.....	J. S. McCants.....	749,082	Jan. 5	1075	227	108	248
Flow. Ditching.....	P. Skelly.....	764,260	July 5	705	142	111	156
Flow. Double-shovel garden	R. W. Hall.....	772,934	Oct. 25	3465	751	112	1764
Flow draft and guide attachment	L. W. Kausch.....	768,373	Aug. 23	4582	958	111	2106
Flow evener. Five-horse gang	J. W. Gamble.....	749,373	Jan. 12	1690	359	108	404

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Plow. Gang	W. L. Casaday	755,614	Mar. 29	4662	1086 1087 1088 308 309	109	1080
Plow. Garden	G. W. Cole	749,259	Jan. 12	1444	310	108	350
Plow. Garden	J. T. Foulke	771,901	Oct. 11	1364	810	112	1264
Plow. Hand	G. M. Hanger	764,051	July 5	274	52	111	62
Plow. Hand	T. L. Wilcox	778,294	Dec. 27	3635	794	113	2259
Plow-handle clamp	S. C. Drake	749,374	Jan. 12	1489	817	108	358
Plow harrow attachment	J. Scherer	753,635	Mar. 7	737	177	109	173
Plow heel-sweep	E. L. Ansley	731,363	Feb. 2	1106	250	108	1293
Plow-irons. Means for forming	M. M. Renn	752,104	Feb. 16	2474	552	108	1626
Plow leading furrow-wheel and guiding mechanism.	C. Wagner	773,610	Nov. 1	142	31	113	37
Plow. Listing	E. C. Bassford and B. Dawson	749,656	Jan. 12	2252	475	108	523
Plow. Listing	E. P. Curry	755,113	Mar. 22	3739	821	109	869
Plow. Mechanically-worked	R. H. Fowler, T. Benstead, and A. Pepper	764,445	July 5	1100	223	111	243
Plow or cultivator	W. B. McKinley	748,774	Jan. 5	405	93	108	90
Plow or cultivator blade	A. M. Word	765,061	July 12	2373	492	111	534
Plow or cultivator disk	C. Grabe	772,613	Oct. 18	2824	620	112	1807
Plow or harrow. Disk	W. Somerville	752,306	Feb. 16	2866	638	108	1715
Plow planter attachment	A. Bromfield	768,893	Aug. 30	5665	1191	111	2372
Plow planting attachment	D. Gordon	768,946	Aug. 30	5852	1229	111	2415
Plow-point	G. B. Gwynes	765,849	Apr. 12	1270	282	109	1680
Plow propeller. Hand	L. W. Avant	769,588	Sept. 6	836	184	112	194
Plow. Reversible	H. E. Kreuter	748,623	Jan. 5	139	33	108	32
Plow. Reversible	E. J. Wilson	764,406	July 5	1017	207	111	226
Plow. Reversible	W. G. Jobling	769,167	Sept. 6	53	13	112	14
Plow riding attachment	D. Freeman and H. Karr	773,559	Nov. 1	51	11	113	15
Plow-scraping device	J. Pluck	762,347	June 14	1418	306	110	1766
Plow-shield	N. L. Hathorn	773,074	Oct. 25	3818	814	112	1844
Plow. Shovel	W. G. Tower	768,640	Aug. 30	5153	1062	111	2258
Plow. Shovel	J. A. Faught	776,506	Dec. 6	62	15	113	1438
Plow. Sod-cutting	J. F. Weber	748,673	Jan. 5	227	54	108	50
Plow-standard	G. B. Brown	759,963	May 17	2770	580	110	958
Plow-standard	T. B. Hardiman	762,583	June 14	1913	412	110	1872
Plow. Subsoil	G. W. Johnson	752,561	Feb. 16	3351	745	108	1822
Plow. Sulky	F. L. Averill	749,146	Jan. 12	1206	258	108	296
Plow. Sulky	C. R. Davis	757,966	Apr. 19	3554	770	109	2137
Plow. Sulky	J. E. Russell	759,754	May 10	2353	492	110	548
Plow. Sulky lister	C. R. Davis	757,964	Apr. 19	3551	769	109	2137
Plow trailing furrow-wheel attachment. Disk	C. Wagner	773,008	Nov. 1	188	30	113	36
Plow turf-cutting attachment	F. Renfrow	767,714	Aug. 16	3178	666	111	1782
Plow. Wheel	H. H. Boenker	777,985	Dec. 20	3940	646	113	2036
Plow wheel-fender. Sulky or gang	H. A. Smith	774,708	Nov. 8	2236	457	113	512
Plow wheel scraper	W. J. Robinson	773,595	Nov. 1	116	24	113	32
Plow. Wheeled	C. H. Melvin	771,316	Oct. 4	186	41	112	1000
Plows. Foot-lift for wheel	C. R. Davis	762,516	June 14	1708	378	110	1842
Plowshare-sharpener	J. J. Cox	775,346	Nov. 22	3649	773	113	882
Plowshares. Manufacture of landsides for.	J. B. Jarmin	775,424	Nov. 8	3817	807	113	920
Plug	E. M. Hall	778,602	Dec. 27	4361	952	113	2418
Plug and spring-jack switch	P. R. McBerty	760,549	May 24	3898	828	110	929
Plug. Attachment	F. H. Fielding	752,833	Feb. 23	3895	873	108	1957
Plug. Multiple attachment	H. Hubbell	776,326	Nov. 29	5608	1188 1189	113	1333
Plug. Separable attachment	H. Hubbell	774,250	Nov. 8	1389	297	113	330
Plug. Separable attachment	H. Hubbell	774,251	Nov. 8	1391	297	113	330
Plug-switch	J. I. Ayer	768,925	Aug. 30	5732	1204 1205	111	2388
Plumb and level	H. Duisen	752,535	Feb. 16	3300	735	108	1811
Plumb and level	G. C. Brown	753,354	Mar. 1	248	56	109	56
Plumb and level	H. Craven	753,551	Mar. 1	647	146	109	142
Plumb and level	C. J. Dewaine	767,392	Aug. 16	2546	535	111	1639
Plumb and leveling-glass	C. J. Knighton	777,641	Dec. 13	2324	510	113	1952
Plumb-bob	C. J. Caley	777,242	Dec. 13	1527	339	113	1781
Plumb-bob and line-reel. Adjustable	G. A. Coleman	773,547	Nov. 1	34	7	113	11
Plumbing-fixtures. Waste control for	E. L. Angell	758,040	Apr. 26	3663	792	109	2182
Plunger-elevator. Waste control for	E. A. Anger	763,762	June 28	4276	931	110	2428
Plunger-elevator	F. A. Jones	772,323	Oct. 1	870	183	113	812
Plunger-elevator	L. A. Conner, Jr., and C. E. Osehger	773,478	Oct. 25	4729	998	112	2046
Pneumatic carrier	H. B. Burton	760,680	May 24	4178	888	110	988
Pneumatic carrier	O. S. Pike	760,701	May 24	4216	896	110	996
Pneumatic carrier	C. H. Barber	768,030	Aug. 23	3847	805	111	1945
Pneumatic-despatch apparatus	C. F. Stoddard	758,599	Apr. 26	4711	1016	109	2412
Pneumatic-despatch apparatus	C. F. Stoddard	760,659	May 24	4131	877 878	110	978
Pneumatic-despatch apparatus	C. H. Burton	768,031	Aug. 23	3849	805 806	111	1946
Pneumatic-despatch apparatus	C. F. Stoddard	772,973	Oct. 25	3545	787	112	1782
Pneumatic-despatch apparatus	C. F. Stoddard	775,949	Nov. 29	4900	1035	113	1171
Pneumatic-despatch system	B. C. Batcheller	749,152	Jan. 12	1222	262	108	300
Pneumatic-despatch system	F. S. Smith	770,938	Sept. 27	3453	730	112	829
Pneumatic-despatch system sending device	B. C. Batcheller	777,328	Dec. 13	1692	374	113	1818
Pneumatic-despatch-tube apparatus	E. A. Fordyce	777,723	Dec. 20	2464	548	113	1998
Pneumatic-despatch-tube carrier	C. A. Murphy	760,471	May 24	3747	738	110	894
Pneumatic elevator	G. F. Steedman	761,796	June 7	355	72, 73	110	1518
Pneumatic motor. Portable	R. A. Norling	762,932	June 21	2631	570 571	110	2049
Pneumatic power system	W. F. Moughler	771,789	Oct. 4	1122	250	112	1199
Pneumatic power-wheel	A. C. Bates	771,599	Oct. 4	747	167	112	1118
Pneumatic seat	C. L. Berger	750,571	Jan. 26	4012	897	108	937
Pneumatic-tired wheel	T. Lindenberg	750,379	Jan. 26	3637	789	108	860
Pneumatic-tube carrier	D. H. Jackman	755,878	Mar. 29	5209	1152	109	1206

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Pneumatic-tube system.	G. F. Atwood	766,218	Aug. 2	123	32, 23	111	1068
Pneumatic-tube upward-discharge terminal	D. H. Jackman	777,899	Dec. 20	2857	639	113	2080
Pocket	L. M. Brown	757,379	Apr. 19	3330	721	109	2088
Pocket-book	O. A. Lehman	757,755	Apr. 19	3140	675	109	2087
Pocket-book	H. Bruger	767,793	Aug. 16	3317	700	111	1813
Pocket-book. Bill or bank-note	H. N. Holsapple	773,392	Oct. 25	4554	962	112	2011
Pocket-case	F. Christian	763,732	June 28	4169	908	110	2405
Pocket-knife	E. A. Severance	749,230	Jan. 12	1392	297	108	399
Pocket-knife	E. Kaufmann	765,285	July 19	2763	576	111	634
Pocket-knife	W. Weck	777,338	Dec. 13	1759	391	113	1834
Pocket-lock	D. J. Buckley	777,397	Dec. 13	1831	405	113	1848
Pocket or other knife	I. Kinney	768,142	Apr. 26	3850	837	109	2224
Pocket utensil	P. M. Ryan	755,172	Mar. 22	3844	848	109	891
Poison-distributor	P. Brandt	772,434	Oct. 18	3519	552	112	1571
Poke. Animal	S. F. Webb	752,013	Feb. 9	2321	519	108	1737
Poke. Animal	J. S. Weathers.	752,134	Feb. 16	2534	564	108	1639
Poke. Animal	T. H. Ewing	757,101	Apr. 12	1770	384	109	1735
Poke. Animal	J. P. Montgomery	758,213	Apr. 26	3990	566	109	2152
Poke. Animal	J. W. Seibert	759,758	May 10	2364	493	110	551
Poke. Animal	H. A. Simpson	760,493	May 24	3790	802	110	904
Poke. Animal	C. R. Nichols	764,001	July 5	164	28	111	41
Poke. Animal	A. Crosbie	708,654	Aug. 30	5180	1089	111	2264
Poke. Animal	T. H. Ewing	770,632	Sept. 20	2847	605	112	675
Poke. Animal	W. L. F. Malaby	774,359	Nov. 8	1589	341	113	374
Poke. Animal	T. H. Fregellas	778,345	Dec. 27	3233	814	113	374
Poke. Animal	S. J. Terry	755,413	Mar. 22	3298	950	109	988
Pole	C. F. Zimmerman	763,238	June 21	3315	692	110	2178
Pole attachment	J. McIntosh	753,423	Mar. 1	387	90	109	84
Pole. Carriage	R. M. Newbold	759,121	May 3	1054	214	110	239
Pole-changer	W. L. Thompson	771,188	Sept. 27	3953	893	112	1299
Pole check device. Vehicle	G. A. Lambert	768,970	Mar. 3	738	137	110	182
Pole clamp or coupling	C. B. Wynegar	760,558	May 24	3987	848	110	948
Pole-climber	F. X. Schmucker	754,016	Mar. 8	1593	355	109	367
Pole-hoister	G. R. Dodd	763,969	July 5	60	11	111	19
Pole-holder	W. H. Fuqua	773,896	Oct. 26	4535	969	113	2006
Pole. Hollow	E. F. Tafel	765,053	July 19	2351	487	111	598
Pole or post base	G. H. Jones	753,709	Mar. 1	952	216	109	205
Pole or shaft. Vehicle	J. S. McKenzie	752,578	Feb. 16	3379	754	108	1828
Pole-tip	W. Ainlay	766,011	July 26	4238	902	111	959
Pole. Vehicle	A. V. Swanson	755,964	Mar. 29	5384	1308	109	1245
Pole. Vehicle	J. E. Beebe	762,119	June 17	3697	200	110	1646
Pole. Wagon	F. G. Winnek	760,745	Jan. 26	4361	942	108	1015
Policeman's club	J. A. Wade	765,605	July 19	3399	717	111	771
Policeman's mace	P. O. Evensen	752,893	Feb. 23	4012	899	108	1985
Polish-rod holder	S. E. Jeutter	769,905	Sept. 13	1455	311	112	345
Polishing and buffing machine	L. E. Miller and C. J. Barry	755,031	Mar. 22	3600	791	109	838
Polishing-bag	J. L. Guyon	768,938	Aug. 30	5758	1210	111	2395
Polishing-disk	A. Racicot and L. Lamoreaux	760,080	May 17	2991	625	110	709
Polishing-lathe	H. M. Crowell	749,265	Jan. 12	1463	312	108	353
Polishing-machine	D. McCance	757,763	Apr. 19	3112	878	109	2089
Polishing-machine	G. A. Ensign	763,743	June 28	4204	917	110	2413
Polishing-machine	W. S. Bower	768,975	Aug. 30	5835	1225	111	2412
Polishing-machine	H. A. Damerow	772,232	Oct. 11	2034	447	112	1411
Polishing-wheel	J. W. Paessler	769,309	Sept. 6	3654	80	112	76
Polishing-wheel	L. F. Thompson	770,199	Sept. 13	2010	424	112	468
Polychloral and making same	S. Gärtner	768,744	Aug. 30	5363		111	2304
Pomade-can	E. L. Pitts	752,586	Feb. 16	3394	757	108	1831
Pompadour-comb	J. L. Rice	752,261	Feb. 16	2779	616	108	1697
Pool-ball placer and holder	P. Juschke	752,292	Feb. 16	2543	681	108	1710
Pool-table pocket-plug	G. McGee	767,309	Aug. 9	3286	499	111	1587
Popcorn balls, &c. Machine for making	R. E. Hunt	764,241	July 5	673	137	111	150
Popper	E. H. Barton	771,893	Oct. 11	1349	305	112	1261
Portable bath or sack for washing or bathing purposes	A. Herz	754,217	Mar. 8	1979	440	109	452
Portable drill	J. F. Willey	750,744	Jan. 26	4360	942	108	1015
Portable elevator	C. N. Owen	760,555	May 24	3912	831	110	931
Portable elevator	M. Bradford	761,941	June 7	651	131	110	1582
Portable elevator	J. Neubauer	762,488	June 14	1716	369	110	1880
Portable elevator	J. McCarthy	777,530	Dec. 13	3077	438	113	76
Portable engine	H. White	774,625	Nov. 8	2079	453	113	477
Portable house	A. Miller	760,135	May 17	3113	651	110	735
Portable light	G. M. Brill	772,401	Oct. 18	2412	528	112	1519
Portable light	C. Hubert	777,510	Dec. 13	3250	451	113	1895
Portable post	H. S. Gay	771,057	Sept. 27	3689	777	112	879
Post:							
See Binding-post.	Hitching-post.						
Cement post.	Lamp-post.						
Composite post.	Metal post.						
Composition post.	Portable post.						
End post.	Sign, &c., post.						
Fence-post.							
Post	D. Warner	760,167	May 17	3189	668	110	752
Post	C. E. Fitzinger	760,882	Aug. 24	4578	976	110	1073
Post	A. D. Benham	765,324	July 19	2654	552	111	611
Post	W. K. Given	774,355	Nov. 8	1584	339	113	373
Post-anchor	W. J. Jackman	772,515	Oct. 18	2646	581	112	1568
Post and base therefor	A. D. Benham	759,003	May 3	942	191	110	215
Post and lock. Combined sectional	A. D. Hulquist	755,008	Mar. 22	3529	781	109	829
Post-base	W. H. Alexander	774,022	Nov. 1	969	202	113	220
Post-base. Metallic	W. P. Dunlap	772,928	Oct. 25	3457	749	112	1762
Post-cap	A. S. Alschuler	760,512	May 24	3825	811	110	913
Post core. Plastic	J. F. Martin	771,438	Oct. 4	434	98	112	1049

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Post-driver. Portable	G. H. Heiser	768,853	Aug. 30	5587	1173 1174	111	2354
Post-hole digger	H. G. Pine	750,888	Feb. 2	999	47	108	1104
Post-hole digger	A. D. Smith	752,115	Feb. 16	2197	556	108	1631
Post-hole digger	C. Butler	754,421	Mar. 15	2416	529	109	563
Post-lifter	H. O. Rotvold	762,346	June 14	2460	533	110	1990
Post-mold	O. L. Townsend	773,303	Oct. 25	4364	921	112	1969
Post-mold. Cement	J. F. Martin	771,433	Oct. 4	435	99	112	1049
Post or pole	D. Warner	767,533	Aug. 16	2843	594	111	1707
Post-protector	W. B. Stanley	761,721	June 7	199	38	110	1482
Post sharpener, driver, and puller	W. H. Thomas	776,566	Dec. 6	202	45	113	1473
Posts. Wire-fastener for metallic	J. E. Tapley	774,501	Nov. 8	1852	401	113	430
Post-card exhibitor	J. Koehler	766,629	Aug. 2	999	209	111	1263
Post-card exhibitor	J. C. Richard	774,435	Nov. 8	1841	399	113	428
Post-office box	W. and M. H. Folsom	770,747	Sept. 27	3059	650	112	740
Post-office furniture	M. S. Field	753,865	Mar. 8	1303	293	109	301
Post-office furniture	J. J. Marsh	764,299	July 5	782	160	111	173
Post-office. Portable-box	J. H. Reighley and W. P. Sparrow	760,562	May 24	3925	834	110	934
Postal card. Souvenir	C. W. Van Wagner	771,591	Oct. 4	735	164	113	1616
Postal money-carrier	W. G. Hougl	771,591	Mar. 8	1360	440	109	453
Postal or like transmission. Means for securing documents for	G. J. V. Gold and L. Schwabe	760,687	May 24	4190	890	110	991
Postmarking and stamp-canceling machine	G. W. Hey	774,247	Nov. 8	1381	295 296	113	399
Pot:							
See Coffee-pot.	Flower-pot.						
Coffee or tea pot.	Watering-pot.						
Cooking-pot.							
Pot-hanger and plant-lifter. Adjustable	H. C. Chessman	770,738	Sept. 27	3044	648	112	737
Pot or kettle supporting foot or rest	G. W. Norwood	768,680	Aug. 30	5240	1102	111	2276
Potato-bug gatherer and destroyer	F. Keener	756,650	Apr. 5	864	189	109	1526
Potato-bug machine	M. Harmon	755,769	Mar. 29	4999	1112	109	1156
Potato-cutter	I. J. Cissna	778,530	Dec. 27	4106	894	113	2361
Potato-desiccating apparatus.	T. Lackovic	760,369	Aug. 2	267	52	111	1099
Potato-digger	H. Knipphals	750,373	Jan. 26	3630	788	108	859
Potato-digger	J. Johnson	752,981	Feb. 23	4218	940 941	108	2031
Potato-digger	W. J. Symonds	759,937	May 17	2715	570	110	644
Potato-digger	A. O. Connor	760,425	May 24	3648	771	110	870
Potato-digger	H. E. Lord	765,584	July 19	3360	706	111	761
Potato-digger	W. F. McNamee and M. A. Yocum	768,905	Aug. 30	5687	1196	111	2378
Potato-digger	J. S. Robbins	771,800	Oct. 4	1143	255	112	1203
Potato-digger	D. Y. Hallock	774,583	Nov. 8	2010	497 498 499	113	463
Potato-digger	J. and W. Reuther	777,806	Dec. 20	3644	582 583	113	2087
Potato digger and gatherer	J. Hazledine	764,889	July 12	2030	419	111	461
Potato digger and picker	T. P. Theriault	772,637	Oct. 18	2898	630	112	1615
Potato-digger lifter	E. Saatz	774,788	Nov. 15	2435	325	113	380
Potato-digger screen	H. W. Coon	760,961	May 24	4741	1010	110	1108
Potato-digging machine	C. J. Moulton	765,505	July 19	3226	675	111	738
Potato-dropper	J. L. Smith	768,317	Aug. 23	4457	936	111	2083
Potato-flour by means of rolls. Machinery for manufacturing	O. Reinele and H. Baumgarten	755,389	Mar. 22	4293	941	109	980
Potato-halms. Mechanism for pulling.	M. Altstock	764,655	July 12	1570	319	111	359
Potato or fruit sorter	D. W. Lamb	770,079	Sept. 13	1770	375	112	417
Potato-sorter	O. P. Hallock	768,969	Aug. 30	5682	1230	111	2417
Potatoes. Desiccating	T. Lackovic	759,115	May 8	1047	212	110	258
Potential-regulator. Automatic	W. S. Andrews	762,071	June 14	2082	452	110	1910
Potential-varying and current-reversing apparatus.	M. Laur	763,615	June 28	3944	858	110	2356
Pottery-kiln	E. S. Bacon	756,561	Apr. 5	715	154	109	1494
Pottery-molding machine	L. Mary	774,918	Nov. 15	2714	582 583	113	641
Poultry-house	J. J. Edgerton	752,765	Feb. 23	3737	898	108	1927
Pouring and filtering apparatus.	E. Keller and A. Ferrell	768,605	Aug. 30	5080	1066 1067	111	2243
Pouring device.	W. W. Barton	773,457	Oct. 25	4686	990	112	2037
Powder and liquid distributing device.	E. Cuzig	773,852	Nov. 1	630	134	113	146
Powder and making same. Smokeless gun.	W. H. Simpson	768,999	July 26	4650	111	1174	
Powder. Apparatus for the manufacture of small tubular strings of	H. C. Aspinwall	773,844	Nov. 1	597	128	113	137
Powder-box	H. B. Kent	755,299	Mar. 22	4074	902	109	939
Powder box. Tooth.	M. H. Fletcher	758,309	Apr. 26	4207	905	109	2300
Powder-can	F. A. Fisher	751,157	Feb. 2	684	157	108	1305
Powder-can	E. S. Savage	757,231	Apr. 12	2026	441	109	1792
Powder canister. Tooth.	A. de Khotinsky	774,185	Nov. 8	1276	270	113	803
Powder charge.	C. Davis	751,365	Feb. 2	1131	257	108	1298
Powder-charger	F. Lippart and H. C. Warren	775,629	Nov. 22	4265	901	113	1018
Powder-container	J. M. McIntyre	754,230	Mar. 8	2002	445	109	457
Powder-container closing device.	L. A. Allen	769,331	Sept. 6	390	80	112	84
Powder-drying apparatus	H. Crozier	761,763	June 7	282	56	110	1500
Powder flask. Toilet.	J. G. S. Dey	771,615	Oct. 4	781	173	112	1126
Powder-grain	H. Maxim	751,386	Feb. 2	1132	257	108	1298
Powder-grain. Smokeless	G. Davis	766,465	Aug. 2	914	130	111	1374
Powder. Gun.	A. H. Robinette	761,403	May 31	5637	110	1322	
Powder holding and delivering device.	C. Turner	772,443	Oct. 18	2491	545	112	1536
Powder pellets. Machine for manufacturing compressed explosive.	L. Davies	767,872	Aug. 16	3490	738	111	1848
Powder-press	A. I. Du Pont	772,670	Oct. 18	2981	643 644	112	1629
Powder-puff	J. H. Loulder	777,526	Dec. 13	2072	456	113	2999
Powder-rod-drying apparatus	E. Gathmann	777,504	Dec. 13	2033	448	113	1892
Powder rod or grain and making same. Smokeless.	H. Maxim	753,994	Mar. 8	1552	346 347	109	359

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Powdered materials. Machine for distributing.....	J. F. Byers	764,345	July 5	880	180	111	192
Power: See Churn-power. Pendulum-power. Horse-power. Pumping power.							
Power and motion. Mechanism for transmitting and controlling	W. H. Kessler	757,751	Apr. 19	3092	673	109	2035
Power apparatus	F. Hamachek	768,660	Aug. 30	5189	1091	111	2266
Power at varying speeds. Apparatus for transmit- ting	W. F. Rice	778,549	Dec. 27	4137	901	113	2368
Power-factor indicator.	L. T. Robinson	767,764	Aug. 16	3260	685	111	1801
Power from a single prime mover, &c. Apparatus for utilizing	H. Laughlin, Jr.	768,989	July 5	110	19,20	111	33
Power-generating apparatus	R. L. Everett	757,289	Apr. 12	2138	467	109	1814
Power machine. Hand or foot	J. P. Cline	754,849	Mar. 15	3280	714	109	751
Power. Machinery for the transmission of me- chanical	W. Koller	777,110	Dec. 13	1293	285	113	1730
Power mechanism	F. A. Gardner	739,092	May 9	997	303	110	226
Power mechanism. Interchangeable hand and mo- tive	C. E. Ellicott and J. B. Norris	749,278	Jan. 12	1494	318	108	359
Power mechanism. Interchangeable hand and mo- tive	C. E. Ellicott and J. B. Norris	754,737	Mar. 15	3087	674	109	710
Power plant. Portable	C. A. Lieb	751,798	Feb. 9	1877	427	108	1475
Power-press	H. Osswald	769,955	Sept. 13	1555	332	112	368
Power-press	H. Osswald	772,113	Oct. 11	1810	401	112	1363
Power-regulating mechanism	F. H. Chapman	771,610	Oct. 4	768	170	112	1122
Power set-works	H. McCleary	768,615	Aug. 30	5500	1137	111	2333
Power-shifter	J. Lundgren	751,740	Feb. 9	1770	403	108	1452
Power transmission	W. Stanley	767,773	Aug. 16	3279	692	111	1804
Power transmission	V. S. Beam and C. L. Clarke	771,802	Oct. 11	1150	257	112	1219
Power transmission device	J. P. Krema	749,868	Jan. 19	3271	573	108	631
Power transmission device	W. Evans and P. W. Knauf	739,873	May 17	3602	545	110	619
Power transmission device	W. A. Harvey	764,239	July 5	670	136	111	149
Power transmission device	P. N. Nelson	768,883	Aug. 30	5649	1188	111	2369
Power transmission device	A. J. Farnsworth	773,349	Oct. 18	2313	507	112	1496
Power-transmission device. Frictional	L. Larsen and R. Hardie	776,027	Nov. 29	5061	1068	113	1210
Power-transmission device. Regulatable	F. V. Whyland and C. P. Hollister	777,460	Dec. 13	1942	429	113	1873
Power-transmission device. Variable-speed	W. F. Howe	777,343	Dec. 13	1727	382	113	1825
Power-transmission mechanism	E. A. Nelson	750,905	Feb. 2	305	84	108	1145
Power-transmission mechanism	B. J. Arnold	759,222	May 10	1299	261	110	313
Power-transmission mechanism	B. J. Arnold	759,223	May 10	1313	262	110	318
Power-transmission mechanism	C. Sintz	773,430	Oct. 25	4642	980	112	2028
Power transmission. Sectional wheel for.	J. H. Fogarty	752,898	Feb. 23	4022	901	108	1986
Power-transmitter	J. Coates	757,599	Apr. 19	2786	609	109	1969
Power-transmitter	W. H. Merritt and J. C. Wall	758,550	Apr. 26	4666	1005	109	2402
Power-transmitter	G. M. Eames	759,166	May 3	1143	233	110	260
Power-transmitter	F. W. Yost and W. C. Conant	766,314	Aug. 2	356	75	111	1119
Power transmitting and reversing mechanism	R. Symmonds	775,409	Nov. 22	3781	799	113	912
Power-transmitting apparatus	M. L. Schlueter	755,799	Mar. 29	5053	800	109	1169
Power-transmitting device	W. R. Smith	755,066	Mar. 22	3662	804	109	853
Power-transmitting device	W. R. Smith	755,067	Mar. 22	3664	804	109	853
Power-transmitting device	C. Smith and T. Stafford	760,160	May 17	3170	665	110	747
Power-transmitting device	I. Deutsch	769,967	July 5	56	9	111	18
Power-transmitting device	I. Deutsch	768,086	Aug. 23	3861	808	111	1949
Power-transmitting device	G. B. Dean	768,114	Aug. 23	4065	856	111	1997
Power-transmitting device	C. F. Pearson	773,977	Nov. 1	884	186	113	203
Power-transmitting device	J. H. Baker	776,288	Nov. 29	5546	1174	113	1319
Power-transmitting device	I. Deutsch	778,405	Dec. 27	3867	843	113	2310
Power-transmitting device. Frictional	W. O. and J. D. Worth	757,479	Apr. 13	2334	509	109	1855
Power-transmitting device. Variable-speed	W. F. Howe	771,150	Sept. 27	3876	817	112	920
Power-transmitting machinery	E. Winans	755,590	Mar. 22	4604	1023	109	1054
Power-transmitting mechanism	E. A. Sperry	750,498	Jan. 26	3860	838	108	908
Power-transmitting mechanism	E. A. Sperry	750,499	Jan. 26	3865	839	108	910
Power-transmitting mechanism	D. L. McClintock	751,540	Feb. 9	1386	316	108	1372
Power-transmitting mechanism	L. D. Robinson	774,782	Nov. 15	2429	524	113	579
Power-transmitting mechanism	W. McHaffie and G. D. Beinert	776,732	Dec. 6	578	126	113	1554
Power-transmitting mechanism	C. C. Vaughn	777,229	Dec. 13	1507	334	113	1777
Power-transmitting mechanism. Clutch-device	T. L. and T. J. Sturtevant	766,551	Aug. 2	823	174	111	1222
Power-transmitting mechanism for boats, &c.	E. E. Anthony	764,381	July 5	851	174	111	186
Precious metal from ores. Apparatus for extract- ing	J. J. Berrigan	775,414	Nov. 22	3791	802	113	915
Precious metal from ores. Extracting	J. J. Berrigan	775,409	Nov. 22	3984	841	113	956
Precious metals. Apparatus for recovering	J. Tunbridge	777,159	Dec. 13	1373	304	113	1748
Precious metals by electrolysis. Apparatus for ex- tracting	H. R. Cassel	749,844	Jan. 19	2636	564	108	623
Precious metals by electrolysis. Extracting	H. R. Cassel	749,843	Jan. 19	2634	564	108	623
Precious metals from ores or slimes. Extracting	H. R. Cassel	769,998	Sept. 13	1532	112	363	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Precious metals from solutions. Recovering.....	I. Anderson.....	778,348	Dec. 27	231	617	113	2282
Precious metals from their ores. Extracting.....	S. C. C. Currie.....	769,254	Sept. 6	439	871	113	50
Precious stones. Apparatus for cutting and polishing.....	F. R. Kneip.....	775,567	Nov. 23	439	871	113	989
Prepayment apparatus.....	M. D. Compton.....	752,036	Feb. 16	2354	527	108	1599
Preservation of food. Apparatus for the.....	C. Beale.....	767,921	Aug. 16	3581	757	111	1869
Preserve-jar and cap therefor.....	R. A. Gilchrist.....	756,956	Apr. 12	1475	325	109	1673
Preserving and disinfecting.....	A. Müller-Jacobs.....	775,066	Nov. 15	3014	758	113	712
Preserving citrus fruits.....	E. N. Alexandrian.....	772,018	Oct. 11	1604	488	112	1317
Preserving fruit.....	F. Passarelli.....	754,340	Mar. 8	2192	488	109	496
Preserving fruit-juices.....	D. Sandmann and G. Eichelbaum.....	770,658	Sept. 20	2896	846	112	687
Preserving-jar.....	J. S. Giles.....	760,980	May 24	4774	1016	110	1115
Preserving perishable substances. Apparatus for.....	C. Blagburn.....	750,518	Jan. 26	3905	846	108	917
Press:							
See Arbor-press. Garment-press.							
Baling-press. Glass-press.							
Barrel-heading press. Glue-press.							
press. Hand-press.							
Binding-press. Hay-press.							
Block-press. Hydraulic press.							
Block-molding press. Leather-press.							
press. Macaroni-press.							
Bottle or jar press. Meat-press.							
Building-block-forming press. Metal-press.							
Building-block-molding press. Metal forging, shaping, or punching press.							
Butter-press. Nut-press.							
Cement-building-block-molding press. Oil-press.							
Cement-plate press. Oil-waste press.							
Cider-press. Platen-press.							
Copy-press. Powder-press.							
Copying-press. Printing-press.							
Cotton-press. Printing and stamping press.							
Creasing-press. Printing or embossing press.							
Dental draw-press. Pulp-press.							
Die-press. Sand-press.							
Domestic press. Seal-press.							
Drawing-press. Stamping-press.							
Drill-press. Tile-press.							
Embossing press. Tobacco-press.							
Filter-press. Transfer-press.							
Fluid-press. Trousers-press.							
Forging-press. Vulcanizing-press.							
Fruit-press. Web cutting, printing, and folding press.							
Fruit or lard press. and folding press.							
Press.....	M. Salzmann.....	749,328	Jan. 12	1593	337	108	383
Press.....	E. Pilliod.....	751,752	Feb. 9	1792	338	108	1456
Press.....	M. Brown.....	753,539	Mar. 1	623	409	109	136
Press.....	G. B. Rowe.....	757,501	Apr. 19	2576	565	109	1921
Press.....	G. Engel.....	762,396	June 14	1503	566	110	1784
Press.....	W. Williams.....	765,116	July 12	2459	513	111	551
Press.....	M. P. Mahar.....	763,744	July 26	3706	790	111	848
Press.....	W. E. Elam.....	769,597	Sept. 6	880	791	112	199
Press.....	S. J. Webb.....	773,441	Oct. 25	4661	190	112	2033
Press.....	M. J. Welling.....	776,577	Dec. 6	218	48	113	1477
Press.....	G. B. Keplinger.....	776,597	Dec. 6	259	57	113	1487
Press and butter-mold. Combination.....	W. N. Haring.....	757,301	Apr. 12	2164	475	109	1821
Press or machine for making saggars, &c.....	E. W. Leigh.....	773,706	Nov. 23	4416	832	113	1050
Press-rack.....	A. Morrison and A. Morlock.....	756,037	Mar. 29	5515	1216	109	1372
Press-rack.....	A. Morrison and A. Morlock.....	756,038	Mar. 29	5516	1216	109	1372
Press-roll mechanism.....	W. M. Wilkin.....	752,633	Feb. 16	3514	781	108	1856
Press safety device.....	W. M. Rockstroh.....	756,801	Apr. 5	1169	238	109	1594
Press-wheel. Gang.....	J. Fetzter.....	778,123	Dec. 20	3302	725	113	2169
Presses. Apparatus for operating the presser-plates of cheese or other.....	W. C. Henderson.....	770,720	Sept. 20	3013	640	112	711
Presses or the like. Fluid system for.....	W. M. Holmes.....	759,261	Mar. 1	91	23	109	23
Presser-bar-actuating mechanism.....	G. L. Corcoran and G. A. Dobyne.....	751,263	Feb. 2	920	209	108	1252
Presser-foot and attachment.....	S. Laskey.....	764,134	July 5	440	86	111	95
Pressing-board.....	A. McKenzie.....	751,674	Feb. 9	1640	372	108	1425
Pressing-iron.....	R. Grant.....	753,128	Mar. 22	3760	826	109	874
Pressure. Controlling device for maintaining steadily.....	T. P. Ford.....	757,903	Apr. 19	3378	730	109	2099
Pressure-gauge.....	G. Spencer.....	764,015	July 5	195	35	111	47
Pressure-gauge.....	G. Spencer.....	764,016	July 5	196	35	111	47
Pressure-indicator.....	A. de Dion and G. Bouton.....	754,287	Mar. 8	2100	466	109	476
Pressure mechanism.....	E. T. Wolf.....	759,793	May 10	2442	511	110	568
Pressure-register.....	G. W. Kellogg.....	777,517	Dec. 13	2061	454	113	1897
Pressure-regulated controlling device.....	A. S. Comstock.....	767,138	Aug. 9	2074	431	111	1521
Pressure-regulator.....	B. Zindel.....	757,590	Apr. 19	2773	606	109	1967
Pressure-regulator.....	A. Kleinfeldt.....	769,482	Sept. 6	684	147	112	156
Pressure-regulator.....	R. J. Hoffman.....	776,839	Dec. 6	764	166	113	1594

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Pressure-regulator	W. W. Benson	777,064	Dec. 13	1215	265	113	1713
Pressure-transmitter	L. L. Prescott	776,287	Aug. 2	306	266	111	1108
Primary battery	T. A. Edison	766,815	Aug. 9	1428	111	111	1378
Primer	J. M. Edmunds	750,624	Jan. 26	4100	888	108	956
Primer	763,269	June 14	1292	269	110	1732	
Primer. Combined percussion and electric.	T. G. Bennett and W. Mason	753,035	Feb. 23	4323	961	108	2055
Priming composition	M. Bielefeldt	751,605	Feb. 9	1517	108	108	1400
Print machine. Blue	H. A. Buchholz and E. J. G. Rade- macher.	775,232	Nov. 15	3405	717	113	908
Print. Safety composite-color	F. E. Ives	776,470	Nov. 29	5998	1246	113	1400
Print. Safety composite-color	F. E. Ives	776,515	Dec. 6	76	19	113	1441
Prints from natural objects. Making	B. E. Gage	764,938	July 12	2145	444	111	487
Printer's blanket	J. E. Rhodes	752,105	Feb. 16	2476	552	108	1636
Printer's block or base	771,835	Oct. 11	1219	271	112	1235	
Printer's chase attachment	L. G. Conly	753,071	Mar. 1	873	198	109	189
Printer's form-registering device	W. J. Taplin	754,163	July 5	509	100	111	113
Printer's galley	J. L. Lee	758,540	Apr. 26	4654	1002	109	2399
Printer's galley	H. W. Pierson and R. E. Clark	767,168	Aug. 9	2138	445	111	1533
Printer's galley	E. C. Hincheliff	776,742	Dec. 6	560	122	113	1550
Printer's ink-fountain	J. W. Eggleston	753,826	June 28	4446	963	110	2464
Printer's inking and damping roller	A. W. Turner	775,000	Nov. 29	5012	1057	113	1198
Printer's lockup	W. L. Drew and S. Stephens	771,723	Oct. 4	982	219	112	1169
Printer's plate-block	W. Dove and W. A. La Sor	776,502	Dec. 6	53	13	113	1436
Printer's plate catch or clutch	J. L. Lee	758,370	Apr. 26	4321	928	109	2324
Printer's plate-holding clamp	T. Wensel	776,232	Dec. 27	3632	739	113	2259
Printer's plate-book	C. P. Carl and C. J. Hanfbauer	773,423	Nov. 1	789	184	113	182
Printer's quoin	J. Ruesch	763,637	June 29	3949	869	110	2365
Printer's quoin	J. B. Martin	772,526	Oct. 18	2661	584	112	1571
Printer's register-hook	J. Kyle	776,248	Nov. 29	5488	1162	113	1307
Printers' rollers. Machine for cleaning	S. Crump	753,558	Mar. 8	1493	334	109	345
Printers' rollers. Machine for cleaning	S. Crump	753,960	Mar. 8	1498	335	109	346
Printers' rollers. Making	S. Crump	753,959	Mar. 8	1496	335	109	345
Printers' rolls. Means for forming sectional	J. J. Rafter	773,590	Nov. 1	109	22	113	30
Printer's tie-up	A. L. MacMaster	771,914	Oct. 11	1388	316	112	1269
Printing	E. Schoening	751,947	Feb. 9	2179	492	108	1543
Printing	W. Thomas	754,237	Mar. 8	3050	637	109	467
Printing and embossing machine. Plate	W. S. Eaton	773,052	Feb. 16	2382	533	108	1605
Printing and embossing presses. Wiping device for plate	W. O. Down	763,544	June 28	3825	825	110	2331
Printing and embossing surfaces. Making intaglio	J. W. McIndoe	777,642	Dec. 13	2325	1015	113	1953
Printing and folding machine	W. Scott	773,169	Feb. 23	4354	1016	108	2106
Printing and folding machine	W. Scott	753,640	Mar. 1	799	178	109	174
Printing and registering machine. Ticket	W. I. Ohmer, J. Leitschuh, and J. N. Kelly	766,649	Aug. 2	1041	179	111	1272
Printing and ruling machine ringed roller. Line-	G. F. McAdams	750,680	Jan. 26	4203	911	108	979
Printing and stamping press. Color	H. Fomm	777,722	Dec. 20	2463	542	113	1998
Printing and totalizing lines of numerals. Machine for	W. W. Childs	778,741	Dec. 27	4487	993	113	2445
Printing apparatus	J. J. A. Jones	758,210	Apr. 26	3984	864	109	2251
Printing apparatus	R. Herman	777,096	Dec. 13	1264	278	113	1724
Printing apparatus. Blue	J. H. Wagenhorst	765,406	July 19	3009	630	111	687
Printing apparatus. Rotary stencil	S. Brown	753,469	Mar. 1	464	108	109	101
Printing apparatus. Wrapping-paper	F. L. Mercer	759,292	May 10	1467	239	110	356
Printing apparatus. Yarn	W. Shaw	765,326	July 19	2849	596	111	653
Printing attachment. Paper-roll	G. D. Horton	778,665	Dec. 27	4365	954	113	2419
Printing attachment. Roll-paper	F. L. Taylor	778,813	Dec. 27	4636	1012	113	2479
Printing-beam registering device	C. A. Heyer	751,286	Feb. 2	959	218	108	1360
Printing-block	W. M. Rockstroh	758,740	Mar. 1	1006	229	109	216
Printing-block-adjusting machine	W. D. Snow	770,543	Sept. 20	2680	566	112	638
Printing-book-backs. Machine for	W. P. Northcott and E. E. Flora	748,643	Jan. 5	173	41	108	38
Printing by means of elastic rollers or plates	E. Schoening	751,946	Feb. 9	2176	491	108	1542
Printing, checking, and recording machine. Ticket	W. I. Ohmer, J. N. Kelly, and J. Leitschuh	769,710	Sept. 13	1096	236	112	267
Printing color display	J. H. Swain	778,341	Dec. 27	3732	814	113	2280
Printing compound of orthonitrophenyl lacto- tone	S. Eichhart	772,560	Oct. 18	2725	112	112	1585
Printing conductors' reports, &c. Machine for	W. I. Ohmer	768,619	Aug. 30	5106	1073	111	2248
Printing curves. Typographically	V. A. Brusselet	754,044	Mar. 8	1643	366	109	378
Printing device. Hand	O. F. Haller	772,352	Oct. 18	2320	508	112	1498
Printing device mechanical movement	O. Tyberg	749,000	Jan. 5	875	188	108	302
Printing-faces. Blocking for	J. L. Shilling	764,640	July 12	1335	313	111	352
Printing-form. Endless	H. G. Bender	769,296	Sept. 6	328	74	112	69
Printing-forms. Electrotpe or type carrier for	E. Stine	762,665	June 14	2072	448	110	1908
Printing-forms on cylindrical surfaces. Producing intaglio	G. F. and J. W. McIndoe	753,290	Mar. 1	138	109	34	
Printing-forms on cylindrical surfaces. Producing intaglio	G. F. and J. W. McIndoe	753,291	Mar. 1	140	109	34	
Printing frame. Blue	J. W. Upp and W. O. Wakefield	776,567	Dec. 6	203	45	113	1473
Printing-machine	J. H. Reinhardt	748,886	Jan. 5	627	141	108	141
Printing-machine	W. Scott	750,401	Jan. 26	3677	798	108	870
Printing-machine	T. G. Hyde	751,917	Feb. 9	2120	478	108	1531
Printing-machine	H. A. W. Wood	753,876	Feb. 23	3974	891	108	1976
Printing-machine	G. F. Read	753,914	Mar. 8	1398	315	109	322
Printing-machine	J. White	753,947	Mar. 8	1465	317	109	337
Printing-machine	G. F. Read	758,690	May 3	163	35	110	40
Printing-machine	G. W. Swift, Jr.	759,936	May 17	2711	569	110	644

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Printing-machine	F. H. Cottrill	761,210	May 31	5252	{1114 1115	110	1237
Printing-machine	J. White	770,486	Sept. 20	2560	{545 546	112	610
Printing-machine	J. White	770,487	Sept. 20	2564	546	112	611
Printing-machine	J. White	770,488	Sept. 20	2576	546	112	616
Printing-machine	A. A. Du Bois	770,683	Sept. 20	2947	626	112	699
Printing-machine	T. M. North	773,970	Nov. 1	873	{184 185	113	200
Printing-machine	J. White	774,296	Nov. 8	1472	316	113	348
Printing-machine	J. S. Duncan	774,638	Nov. 8	2138	468	113	490
Printing-machine	J. S. Duncan	774,912	Nov. 15	2702	{579 580	113	638
Printing-machine	J. S. Duncan	776,503	Dec. 6	54	{13, 14 627	113	1436
Printing-machine	C. W. Houghton	777,898	Dec. 20	2852	{628 629	113	2079
Printing machine. Blue	S. B. Whinery	780,242	Sept. 6	202	48	112	45
Printing machine. Blue	R. Herman	777,097	Dec. 13	1268	279	113	1736
Printing machine. Cloth	A. Hainey	762,165	June 7	1047	{220 221	110	1666
Printing-machine. Coin-controlled	A. J. Briggs	758,816	May 3	468	{94, 95 96	110	115
Printing-machine. Cylinder	E. Wesser	773,444	Oct. 25	4666	986	112	2034
Printing-machine damping mechanism. Rotary	T. M. North	773,516	Oct. 25	4835	{1020 1021	112	2070
Printing machine. Duplex stencil	B. A. Mason	776,338	Nov. 29	5637	{1194 1195	113	1339
Printing-machine. Electric	G. S. Gallagher	753,872	Mar. 8	1313	296	109	303
Printing-machine. Electric	D. G. Smyth	760,813	May 24	4457	949	110	1047
Printing-machine. Electric	G. S. Gallagher	765,773	July 26	3770	{802 803	111	859
Printing-machine envelop feeding and ejecting mechanism	C. A. Belknap	758,044	Apr. 29	3668	{784 785	109	2183
Printing-machine feed-guide	A. W. Otto	762,343	June 14	1411	305	110	1765
Printing-machine. Hand	T. C. Finch	771,900	Oct. 11	1363	310	112	1264
Printing-machine inking and tripping mechanism. Rotary	T. M. North	773,969	Nov. 1	870	{182 183	113	200
Printing-machine inking mechanism. Flat-bed	T. M. North	771,924	Oct. 11	1418	{322 323	112	1275
Printing machine. Line	G. F. McAdams	750,681	Jan. 26	4204	912	108	979
Printing machine. Multicolor	J. L. Firm	752,896	Feb. 23	4018	990	108	1986
Printing machine. Multicolor	E. H. Cottrill	774,162	Nov. 8	1229	{262 263	113	294
Printing machine. Plate	J. P. Stevens	764,158	July 5	490	{97 98	111	106
Printing-machine register device	E. J. Falla and P. F. Barrett	777,849	Dec. 20	2746	605	113	2057
Printing-machine rollers. Machine for cleaning	E. T. Cleathero	748,583	Jan. 5	47	{14 15 16	108	13
Printing-machine. Rotary	H. A. W. Wood	752,940	Feb. 23	4135	{921 922	108	2011
Printing-machine. Rotary	A. Sauvée	776,263	Nov. 29	5510	{1166 1167	113	1311
Printing machine. Rotary stencil	A. B. Dick	764,275	July 5	733	{150 151	111	162
Printing machine. Self-feeding web	A. Partridge	770,649	Sept. 20	2875	611	112	681
Printing-machine sheet-delivery mechanism	H. M. Barber	757,248	Apr. 12	2056	448	109	1798
Printing machine. Stencil	W. D. Sternberg	749,113	Jan. 5	1134	241	108	262
Printing machine. Stencil	A. B. Dick	749,983	Jan. 19	9300	620	108	681
Printing machine. Stencil	E. A. Cox	750,816	Feb. 2	56	{12, 13 14	108	1069
Printing machine. Stencil	A. B. Dick	778,449	Dec. 27	3955	{859 860	113	2338
Printing machine. Tapestry	W. P. Benham and J. K. Williamson	773,461	Oct. 25	4692	992	112	2038
Printing machine. Ticket	F. C. Osborn	752,704	Feb. 23	3651	813	108	1095
Printing machine. Tobacco-tag	W. E. Martin	766,152	July 26	4514	955	111	1021
Printing-machine tripping mechanism	G. F. Read	758,689	May 3	159	{34 35	110	39
Printing machine. Warp	G. H. Winslow and C. W. Dennett	750,514	Jan. 26	3895	{845 846	108	915
Printing machine. Web	W. Spalckhaver	752,807	Feb. 23	3833	{860 861	108	1944
Printing machinery. Pattern	C. L. Burdick	767,684	Aug. 16	3125	653	111	1769
Printing on inflatable articles	C. L. White	755,976	Mar. 29	5402	1005	109	1248
Printing on tins	I. Kitsee	733,144	Feb. 23	4508	1005	108	2035
Printing or embossing press	H. L. Phelps	761,991	June 7	740	151	110	1601
Printing or like machines. Feed mechanism for	W. Vickery	752,488	Feb. 16	3207	715	108	1788
Printing or other machine feeder	C. G. Harris	751,384	Feb. 2	955	217	108	1260
Printing pattern-cards for weaving. Machine for	G. Noack	759,097	May 17	2656	557	110	632
Printing. Photomechanical	E. Spitzer	758,338	Apr. 26	4261	109	2311	
Printing. Planographic	G. R. Cornwall	753,398	Mar. 1	269	{61, 62 63	109	61
Printing-plate	R. J. Sachers	758,108	Apr. 26	3794	824	109	2208
Printing-plate	R. J. Sachers	758,599	Apr. 26	4769	1026	109	2425
Printing-plate and making same	R. J. Sachers	760,357	May 17	3344	703	110	736
Printing-plate heater	A. Scheckner	774,081	Nov. 1	1086	232	113	245
Printing-plate holder	C. F. Rockstroh	750,395	Jan. 26	3661	796	108	866
Printing-plate holding device	E. R. Storm	778,466	Dec. 27	3996	869	113	2337
Printing-plate overlay and making same. Half-tone	W. S. Timmis	760,279	May 17	3382	713	110	795
Printing-plates. Machine for making	J. E. Gilbert	765,574	July 19	3946	708	111	769
Printing-plates. Machine for making	J. S. Duncan	750,831	Feb. 2	94	{23, 23 24	108	1078

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.-g.	Vol.	Page.
Printing-plates. Making	B. Gisevius	755,225	Mar. 22	3939	872	109	910
Printing-plates. Manufacture of	E. A. Neben	774,528	Nov. 8	1903	413	113	441
Printing plates or surfaces. Producing	J. R. Hill	778,313	Dec. 27	3671	801	113	2267
Printing-plates. Preparing	E. Wünsche	749,350	Jan. 12	1639	802	108	394
Printing-plates. Producing duplicate	F. and A. Leslie	732,846	Feb. 23	3916	877	108	1962
Printing. Preparing color-plates for	C. N. Smith	753,746	Mar. 1	1018	231	109	219
Printing-press	C. H. Johnson	748,743	Jan. 5	354	78	108	79
Printing-press	H. T. Kent	749,487	Jan. 12	1944	404	108	456
Printing-press	B. Stern	750,907	Feb. 2	241	54	108	111
Printing-press	J. A. Gates	753,061	Feb. 23	4367	972	108	2065
Printing-press	J. Rowe	753,164	Feb. 23	4543	1013	108	2103
Printing-press	W. O. Todd	756,432	Apr. 5	485	101	109	1446
Printing-press	F. J. Herdle	757,460	Apr. 19	2496	548	109	1905
Printing-press	D. H. Saunders	757,967	Apr. 19	3497	550	109	2126
Printing-press	W. Scott	758,112	Apr. 26	3802	550	109	2210
Printing-press	M. Schmidt and E. J. Gebler	758,858	May 3	548	111	110	130
Printing-press	W. H. R. Toye	761,560	May 31	5910	1267	110	1383
Printing-press	F. J. Herdle	762,633	June 14	2011	435	110	1894
Printing-press	W. Fullard	763,552	June 28	3838	831	110	2334
Printing-press	W. G. Johnston	763,672	June 28	4061	884	110	2382
Printing-press	H. F. Bechman	763,840	June 28	4400	956	110	2454
Printing-press	W. Scott and A. W. Weseman	764,775	July 12	1738	368	111	410
Printing-press	A. W. Proctor	772,632	Oct. 18	2861	627	112	1614
Printing-press	A. W. Proctor	773,766	Nov. 1	440	97	113	104
Printing-press	B. McGinty	776,793	Dec. 6	657	145	113	1571
Printing-press	W. H. Smiley	778,338	Dec. 27	3726	813	113	2279
Printing-press attachment	C. S. Inskeep	760,127	May 17	3090	648	110	732
Printing-press attachment	L. Andrien	768,023	Aug. 23	3837	802	111	1943
Printing-press automatic controlling mechanism	T. C. Dexter and H. Hallstream	749,036	Jan. 5	969	205	108	226
Printing-press automatic controlling mechanism	T. C. Dexter	749,536	Jan. 12	2037	423	108	476
Printing-press bed-motion	G. P. Fenner	777,337	Dec. 13	1714	379	112	1833
Printing-press. Color	H. Fonim	773,009	Oct. 25	3608	781	112	1795
Printing-press counting mechanism	C. A. Wright	778,769	Dec. 27	4547	996	113	2459
Printing-press delivery mechanism	G. F. Read. (Reissue)	12,222	May 24	4954	1050	110	1153
Printing-press delivery mechanism	J. F. Haan	768,850	Aug. 30	5582	1051	111	2333
Printing-press delivery-track	G. P. Fenner	756,008	Mar. 29	5464	1205	109	1262
Printing-press dropping sheet-delivery mechanism	R. Miehle	758,997	May 3	820	166	110	180
Printing-press engaging and disengaging device. Platen	W. M. Rockstroh	751,873	Feb. 9	2030	459	108	1510
Printing-press feeder	T. C. Merz	763,195	June 21	3137	674	110	2161
Printing-press. Flat-bed cylinder	W. S. Huson	752,291	Feb. 16	2838	630	108	1710
Printing-press form	F. O. Climer	751,732	Feb. 9	1947	631	108	1468
Printing-press form-inking rollers. Roller-wheel for	S. H. Shaw	750,710	Jan. 26	4233	924	108	990
Printing-press grip-finger	H. D. Fleshutz	755,863	Mar. 29	5180	1147	109	1200
Printing-press gripper	B. McGinty	778,792	Dec. 6	656	144	113	1571
Printing-press inking apparatus	W. Scott	751,351	Feb. 2	1076	243	108	1287
Printing-press inking apparatus	R. T. Johnston	764,594	July 12	1427	292	111	339
Printing-press inking apparatus	W. Scott	767,125	Aug. 9	2044	425	111	1314
Printing-press inking mechanism	G. P. Fenner	749,546	Jan. 12	2062	428	108	483
Printing-press inking-roll mechanism	J. H. Schussler	769,640	Sept. 6	354	207	113	218
Printing-press. Multicolor	C. M. Shigley	750,405	Jan. 26	3684	800	108	871
Printing-press. Multicolor	C. L. Post	751,337	Feb. 2	1051	238	108	1281
Printing-press. Multicolor	B. J. Such	760,272	May 17	3367	709	110	732
Printing-press. Multicolor	F. E. Kempf	771,644	Oct. 4	838	158	112	1139
Printing-press. Multicolor and text	D. R. H. Sieberth	755,948	Mar. 29	5356	1183	109	1238
Printing-press numbering attachment	C. G. Harris	764,289	July 5	759	156	111	167
Printing-press numbering attachment	J. Rowe	768,773	Aug. 30	5409	1139	111	2315
Printing-press paper-feeding apparatus	J. W. Hoag	769,747	Sept. 13	1162	251	112	281
Printing-press paper-feeding mechanism	J. E. Tucker	768,247	Aug. 23	4321	909	111	2033
Printing-press. Plate	G. F. Read	761,909	June 7	599	120	110	1572
Printing-press. Platen	W. M. Rockstroh	756,802	Apr. 5	1170	259	109	1594
Printing-press. Platen	J. Heim	757,453	Apr. 19	2490	545	109	1904
Printing-press. Platen	R. E. and A. Kemper	763,405	June 28	3566	768	110	2277
Printing-press. Platen	R. R. Williams	764,096	July 5	372	71	111	81
Printing-press. Platen	A. Joisten	773,748	Nov. 1	409	89, 90	113	97

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Printing-press sheet-delivery apparatus. Cylinder.	W. S. Huson	775,657	Nov. 22	4323	912 913 914	113	1031
Printing-press sheet-transferring device	G. P. Fenner	774,573	Nov. 8	1991	432 433 516	113	459
Printing-press throw-out mechanism	T. C. Dexter and H. Hallstream	762,810	June 14	2375	517 518 519	110	1972
Printing-press throw-out mechanism	T. C. Dexter	762,811	June 14	2379	561 562	110	1973
Printing-press throw-out mechanism	T. C. Dexter	772,705	Oct. 18	3008	689	112	1646
Printing-press tympan feed-gage	I. H. Mills	757,212	Apr. 12	1991	434	109	1785
Printing-press tympan guide and holder	J. W. Allers	768,021	Aug. 23	3835	802	111	1943
Printing-presses. Adjusting wheel-track for type-beds of	G. P. Fenner	771,865	Oct. 11	1282	987 988 989	112	1248
Printing-presses, &c. Automatic controlling mechanism for	T. C. Dexter	749,537	Jan. 12	2041	425	108	478
Printing-presses. Means for attaching blankets to cylinders of	A. B. Stewart	754,253	Mar. 8	2044	454	109	465
Printing-presses. Metal-holding apparatus for flat-bed lithographic	W. J. Leyer	748,871	Jan. 5	603	136	108	185
Printing-presses or other machines. Reel-carrying apparatus for web	G. W. Mascord	769,659	Sept. 6	984	213	112	234
Printing-presses or other machines. Reel-carrying apparatus for web	G. W. Mascord	769,660	Sept. 6	986	213	112	235
Printing process	M. Rudometoff	758,192	Apr. 26	3949	109	2243	
Printing-roller	B. J. Such	758,486	Apr. 26	4533	974	109	2373
Printing-rollers. Means for securing impression-surfaces to	F. J. Herdle	767,461	Apr. 19	2504	550	109	1906
Printing-stamp	L. M. Todd	766,853	Aug. 9	1504	314	111	1394
Printing-surfaces. Making	F. C. Whippley	756,753	Apr. 5	1071	239 7 8 9 11	109	1572
Printing-surfaces. Mechanism for preparing	B. A. Brooks	748,578	Jan. 5	24	108	8	
Printing-surfaces. Producing	O. Dodge	758,625	May 3	43	110	14	
Printing-type. Apparatus for molding and casting	P. J. Lampl	765,365	July 19	2394	613	111	671
Printing warps.	G. H. Winslow and C. W. Dennett	750,513	Jan. 26	3892	843 844	108	915
Printing-wheel	J. J. A. Jones	758,256	Apr. 26	4082	883	109	2271
Printing with indanthrene.	P. Jeanmaire and R. Bohn	772,237	Oct. 11	3079	112	1432	
Projectile	K. Wieser	750,328	Jan. 26	3555	769	108	843
Projectile	J. R. Jacobs	753,372	Mar. 1	107	27	109	36
Projectile	E. L. Kwiatkowski	760,338	May 17	3491	735 736	110	819
Projectile	G. W. Ball	767,920	Aug. 16	3875	757	111	1868
Projectile	A. Wakefield	772,850	Oct. 18	3284	717	112	1706
Projectile. Chambered	C. F. and H. E. Cowdrey	763,370	June 28	3494	754	110	2261
Projectile. Explosive	J. F. Meigs and E. Gathmann	753,504	Mar. 1	526	123	109	115
Projectile for loading practice	P. A. Guye	759,516	May 10	1906	383	110	451
Projectiles, &c. Carrier or conveyer for	C. P. E. Schneider	760,158	May 17	3163	661 662 663	110	746
Projectiles. Device for controlling flight of multi-missile	C. La Dow	777,032	Dec. 6	1148	249	113	1682
Projectiles. Governing the flight of multimissile.	C. La Dow	776,918	Dec. 6	910	196	113	1627
Projectiles. Means for concentrating multimissile.	C. La Dow	776,920	Dec. 6	914	196	113	1628
Projectiles. Means for governing the flight of multimissile	C. La Dow	777,030	Dec. 6	1145	249	113	1681
Projectiles. Producing small-caliber jacketed steel.	A. Haase	776,056	Nov. 29	5110	1081	113	1220
Projectiles to effect close shooting. Means for controlling the flight of multimissile	C. La Dow	776,919	Dec. 6	912	196	113	1627
Projecting apparatus.	M. Martin	760,797	May 24	4428	942	110	1041
Propeller	E. D. Hamilton	752,670	Feb. 23	3561	800	108	1800
Propeller	J. I. Wood	755,436	Mar. 22	4322	955	109	992
Propeller	H. Enge	769,256	Sept. 6	234	54	112	51
Propeller	T. G. Thompson	715,155	Nov. 15	3199	683	113	754
Propeller. Boat	C. F. Ritchel	760,753	May 24	4343	922	110	1023
Propeller. Boat	F. J. Buzbee	762,384	June 21	2712	580	110	2046
Propeller. Boat	J. W. Raine	764,958	July 12	2175	451	111	493
Propeller. Boat	H. Helmeke	775,971	Nov. 29	4956	1046	113	1184
Propeller. Boat	G. F. Atwood	778,485	Dec. 27	3923	854	113	2322
Propeller. Boat	J. Salom	778,763	Dec. 27	4538	998	113	2457
Propeller. Fish-tail	Z. von Limbeck	753,717	Mar. 1	967	219	109	206
Propeller for vessels. Hydraulic	J. Dudley	749,427	Jan. 12	1794	378	108	424
Propeller. Reversible	W. E. Geyer	765,073	July 12	2392	498	111	536
Propeller. Screw	E. A. Nilsen	750,036	Jan. 19	3004	644	108	703
Propeller. Screw	A. Krebs	769,953	Aug. 9	1710	358	111	1441
Propeller. Screw	C. A. Manker	769,021	Sept. 6	922	199	112	309
Propeller. Self-clearing	C. H. Lee	756,031	Mar. 29	5504	1214	109	1270
Propeller shaft. Screw	H. S. Maxin	759,726	May 10	2299	478	110	536
Propeller-shafts. Apparatus for renewing the stern bushings of ship	H. Smith	773,036	Oct. 25	3872	792	112	1810
Propeller shafts. Stern-tube for screw	J. Stephens	759,323	May 10	1522	966	110	367
Propeller speed-governor. Ship	C. E. Miles	762,923	June 21	2615	567	110	2045
Propeller. Steamboat	W. S. Baker	764,267	July 5	716	145	111	158
Propelling and steering mechanism.	D. W. Rantine	776,667	Dec. 6	442	98, 99	113	1525
Propelling apparatus. Vessel.	M. P. Schetler	754,710	Mar. 15	3012	657	109	692
Propelling device	C. A. Manker	755,336	Aug. 23	4490	944	111	2040
Propelling mechanism	D. L. Graham	750,638	Jan. 26	4119	893	108	960
Propelling mechanism	F. F. Norden	776,416	Nov. 29	5787	1225 1226	113	1376
Propelling mechanism. Boat	B. J. Lavign	758,983	May 3	797	160	110	184

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Propelling ships.....	E. Bohn.....	760,518	May 24	3839	814	110	916
Propelling ships. Means for.....	W. Cochrane.....	762,687	June 14	2126	463	110	1919
Propelling vessels.....	L. Audrieth.....	769,456	Sept. 6	614	135	112	139
				(853)			
Propulsion apparatus for vessels. Jet.....	S. George.....	750,533	Jan. 26	3932	854	108	922
				(855)			
Propulsion-gearing.....	W. B. Bard.....	750,424	Jan. 26	3718	807	108	879
Propulsion of vessels. Mechanism for the.....	C. G. Dyott.....	773,006	Oct. 25	3602	779	112	1794
Propulsion system. Electrical.....	E. Krause.....	751,857	Feb. 9	2007	454	108	1505
Proscenium-arch.....	G. Rolke.....	773,228	Oct. 25	4222	894	112	1938
Prospecting instrument.....	M. Chase.....	749,718	Jan. 19	2386	504	108	569
Prospector's pan.....	B. P. Herndon.....	760,691	May 24	4194	891	110	992
Protector-driving machine.....	B. F. Mayo.....	768,511	Aug. 30	5481	1154	111	2330
				(1154)			
Protector-driving machine.....	B. F. Mayo.....	768,812	Aug. 30	5488	1155	111	2331
				(1156)			
Protectors. Machine for making and inserting.....	G. Goddu.....	776,832	Dec. 6	748	1163	113	1591
				(1164)			
Protractor.....	H. Woodborough.....	753,025	Feb. 23	4303	956	108	2051
Protractor.....	E. E. Court.....	768,426	Aug. 23	4699	984	111	2143
Protractor.....	C. L. Newton.....	773,262	Oct. 25	4283	906	112	1032
Protractor.....	F. E. Vandercook.....	776,817	Dec. 6	707	157	113	1583
Protractor and its accompaniments.....	J. H. Renshaw.....	757,568	Apr. 19	2728	597	109	1853
Protractor-tape.....	G. I. Herrick.....	753,632	Apr. 5	323	180	109	1513
Protractor-tape.....	G. I. Herrick.....	776,179	Nov. 29	5346	1130	113	1274
Pruning-hook.....	C. Gregory.....	775,649	Nov. 22	4308	909	113	1027
Pruning implement.....	J. B. Carpenter.....	774,039	Nov. 1	1004	211	113	228
Pruning implement.....	J. Earhart.....	776,838	Dec. 6	741	162	113	1590
Pruning-shears.....	A. S. Boyd.....	753,436	Feb. 16	3124	604	108	1769
Pruning-shears.....	C. F. Crosby.....	764,430	July 5	1063	217	111	236
Pruning-shears.....	T. L. Taylor and E. C. Boeck.....	777,567	Dec. 13	2177	478	113	1922
Puddling-furnace. Mechanical.....	W. B. Burrow.....	775,026	Nov. 15	2332	625	113	694
Puff-comb.....	B. W. Doyle.....	769,151	Sept. 6		6	112	8
Puff comb. Adjustable pompadour-dip.....	A. E. Newton.....	774,390	Nov. 15	2863	611	113	677
Puffing-iron.....	G. F. Hartig.....	762,631	June 14	2000	434	110	1833
Puller:							
See Beet-puller.	Spoke-puller.						
Bolt-puller.	Staple-puller.						
Cork-puller.	Stopper-puller.						
Cotton-stalk puller.	Stump-puller.						
Hose-puller.	Tack-puller.						
Nail-puller.	Tobacco-puller.						
Pipe-puller.	Weed-puller.						
Spike-puller.							
Pulling-over and lasting machine. Combined.....	F. Cutlan.....	765,273	July 19	2743	1571	111	631
					1572		
Pulley.....	E. L. Wagner.....	750,920	Feb. 2	265	61,62	108	1116
Pulley.....	A. L. Moore and R. Deming.....	756,391	Apr. 5	404	83	109	1430
Pulley.....	H. Gilbert.....	760,429	Aug. 2	585	124	112	116
Pulley.....	C. Giraud.....	771,006	Sept. 27	3885	735	112	858
Pulley.....	H. W. Marsh.....	771,879	Oct. 11	1819	297	112	1255
Pulley. Adjustable.....	W. P. Gray.....	778,187	Dec. 20	3422	732	113	2194
Pulley. Ball-bearing.....	W. C. Habicht.....	761,477	May 31	5759	1229	110	1350
Pulley. Belt.....	E. Bauer.....	754,900	Mar. 22	328	163	109	813
Pulley-block.....	G. Agobian.....	760,944	May 24	4711	1004	110	1102
Pulley-block with spring-latch gate.....	M. G. Hilpert.....	773,741	Nov. 1	395	87	113	93
Pulley. Clutch.....	W. J. Hilliard.....	753,073	Feb. 23	4389	976	108	2070
Pulley. Clutch.....	G. A. Medlin.....	758,548	Apr. 26	4664	1004	109	2401
Pulley. Covering.....	J. F. Webb.....	748,674	Jan. 5	225	133	108	49
Pulley device. Automatically-locking.....	J. C. Houghton.....	772,835	Oct. 18	3363	731	112	1724
Pulley-driving mechanism.....	I. J. Daily.....	757,891	Apr. 19	3357	725	109	2094
Pulley. Expansion.....	P. H. Shue.....	769,117	Aug. 30	6115	1278	111	2473
Pulley. Expansion.....	R. Temple.....	734,139	May 3	1083	220	110	246
Pulley for sashes and.....	W. Livingstone.....	760,636	May 24	4076	866	110	967
Pulley for threshing-machines. Paper cylinder.....	O. Berg.....	752,645	Feb. 23	3338	787	108	1879
Pulley. Friction clutch.....	J. T. Cyr.....	763,596	June 28	3918	851	110	2350
Pulley. Frictional clutch.....	G. S. Tiffany and E. C. Sword.....	777,158	Dec. 13	1376	303	113	1748
Pulley hub and bushing. Self-oiling loose.....	E. A. Lind.....	763,409	June 28	3837	777	110	2379
Pulley. Lubricating.....	A. N. and C. B. Borquist.....	760,378	May 17	3556	729	109	834
Pulley mechanism for line-shafts. Loose.....	J. K. McCabill.....	769,317	Sept. 6	83	112	78	
Pulley mechanism. Reversible.....	W. H. Kessler.....	755,885	Mar. 29	5223	1155	109	1209
Pulley of variable diameter.....	C. Monin.....	762,334	June 14	1396	302	110	1762
Pulley or wheel.....	L. Zamboni.....	751,707	Feb. 9	1700	387	108	1438
Pulley. Sash.....	J. Duffy.....	763,545	June 28	3828	829	110	2331
				(829)			
Pulley. Sash.....	J. Duffy.....	763,546	June 28	3830	829	110	2332
Pulley. Sash.....	W. N. Packer.....	769,109	Aug. 30	6195	1275	111	2468
Pulley. Sash.....	G. C. Gardner.....	770,849	Sept. 27	3284	692	112	790
Pulley. Self-oiling loose.....	A. J. Stucker.....	775,154	Nov. 15	3199	883	113	754
Pulley. Sheet-metal.....	C. A. Brinley.....	757,088	Apr. 12	1748	380	109	1730
Pulley. Sheet-metal.....	R. H. Bowen.....	774,347	Nov. 8	1571	336	113	370
Pulley. Split.....	S. Stroba.....	749,756	Jan. 19	2474	527	108	589
Pulley. Split.....	L. Nevers.....	761,899	June 7	580	116	110	1569
Pulley. Split.....	S. C. Hitchcock.....	768,800	Aug. 30	5463	1150	111	2327
Pulley. Split.....	G. Simmons.....	769,414	Sept. 6	548	119	112	124
Pulley. Split.....	G. F. McLynn.....	772,739	Oct. 18	3089	673	112	1663
Pulley. Split.....	H. A. Davenport.....	774,965	Nov. 15	2795	598	113	659
Pulley. Tension.....	A. A. Haserick.....	764,584	July 12	1409	288	111	324
Pulleys. Making.....	A. Beran.....	771,696	Oct. 4	932	210	112	1158
Pulleys. Sectional hub for.....	E. S. Hamilton.....	750,277	Jan. 26	3451	746	108	818
Pulp and paper-stock. Centrifugal machine for screening.....	T. Quivler and H. Stub.....	772,373	Oct. 18	2356	517	112	1505
Pulp article. Hollow.....	J. H. Rivers.....	768,307	Aug. 23	4439	932	111	2078

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Pulp articles. Apparatus for forming hollow	J. H. Rivers	768,309	Aug. 23	4443	933	111	2079
Pulp articles. Forming hollow	J. H. Rivers	768,306	Aug. 23	4437	932	111	2078
Pulp articles. Forming hollow	J. H. Rivers	768,310	Aug. 23	4445	934	111	2080
Pulp articles. Machine for forming hollow	J. H. Rivers	768,308	Aug. 23	4440	933	111	2078
Pulp-beater	W. White	766,563	Aug. 2	3631	180	110	1229
Pulp-beating engine	J. White	757,585	Apr. 19	2765	605	109	1965
Pulp-beating engine	J. M. Miller	770,301	Sept. 20	2236	466	112	540
Pulp-beating machine	L. A. Thomas	775,873	Nov. 22	4727	1000	113	1115
Pulp. Forming stoppers, &c., from fibrous	J. H. Rivers	768,304	Aug. 23	4430	931	111	2077
Pulp-grinder	M. H. Kasson	764,071	Mar. 8	1691	376	109	389
Pulp-grinder. Wood-	J. H. Baker, G. F. Shevlin, and F. H. Baker.	755,989	Mar. 29	5422	1198	109	1233
Pulp. Machine for molding articles from	M. L. Keyes	759,616	May 10	2098	430	110	492
Pulp-machine suction device	J. L. Youngs	777,362	Dec. 13	1764	332	113	1833
Pulp mills. Neutralizing liquids effluent from wood-	C. W. Doughty	775,525	Nov. 22	4019	848	113	964
Pulp or cellulose. Means for refining wood-	A. Wahlström	771,403	Oct. 4	380	83	112	1037
Pulp or compound. Vegetable.	D. Bickford	752,032	Feb. 16	2336	468	108	1595
Pulp press. Wood-	R. E. Boschert	753,038	Feb. 23	4329	963	108	2056
Pulp-screen	N. B. Hayes	759,710	May 10	2270	469	110	530
Pulp-screen	H. J. Dickerson	774,966	Nov. 15	2796	598	113	690
Pulp-screen	O. H. Moore	778,932	Dec. 27	4400	963	113	2426
Pulp-screen apparatus	M. Loveloy	766,150	July 26	4510	944	111	1020
Pulp-screening machine	N. Richard	752,007	Feb. 16	2479	553	108	1637
Pulp-screening machine	C. S. Bucklin	765,551	July 19	3311	693	111	751
Pulp-stock. Apparatus for treating	J. H. Rivers	768,305	Aug. 23	4432	932	111	2077
Pulp-strainer. Horizontal	P. Reinicke	754,161	Mar. 8	1861	415	109	427
Pulp-treating machine	H. Parker	770,307	Sept. 20	2247	471	112	542
Pulp vessels. Machine for making fibrous-	G. H. Millen, E. Mousseau, and J. Raitt.	762,181	June 7	1074	227	110	1672
Pulp washer or condenser	H. G. Turner	772,192	Oct. 11	1979	437	112	1397
Pulp web and spool	R. Biann	775,513	Nov. 22	3997	843	113	950
Pulverizer	J. G. McAuley	749,574	Jan. 12	2100	437	108	492
Pulverizer	W. M. Russell	768,955	Aug. 30	5788	1217	111	2401
Pulverizer	A. Raymond	775,068	Nov. 15	3019	640	113	714
Pulverizer and grader.	J. W. Boileau	764,268	July 5	717	145	111	158
Pulverizer and roller. Combined	M. G. Cameron	753,953	Mar. 8	1482	332	109	342
Pulverizer, breaker, or disintegrator	G. W. Borton	759,856	May 17	2572	537	110	612
Pulverizer. Soil-	J. Porsett	768,170	Aug. 22	4168	877	111	3020
Pulverizing-machine	S. Hughes	756,964	Apr. 12	1493	329	109	1677
Pulverizing-machine	A. Schoellhorn and H. S. Albrecht.	757,969	Apr. 19	3503	760	109	2137
Pulverizing-machine	F. C. Nickel	760,474	May 24	3751	794	110	895
Pulverizing-machine	A. Schoellhorn and H. S. Albrecht.	760,763	May 24	4354	925	110	1026
Pulverizing-machine	W. T. 757	757,757	Dec. 30	2593	573	113	2026
Pulverizing-machine grate	A. Schoellhorn and H. S. Albrecht.	763,639	June 28	3992	870	110	2366
Pulverizing machine. Land-	O. A. McFadden	769,446	Sept. 6	600	131	112	136
Pulverizing-mill	M. Benjamin	760,174	May 17	3200	671	110	754
Pulverizing-mill	J. H. Elspass	775,130	Nov. 15	3142	668	113	740
Pulverizing-mill	A. J. Sackett	777,922	Dec. 20	2912	640	113	2089
Pulverizing-mill. Centrifugal	A. Raymond	775,069	Nov. 15	3021	641	113	714
Pulverizing-rolls	W. C. Davis	762,859	June 14	2481	537	110	1994
Pump	H. C. Stouffer	749,239	Jan. 12	1403	301	108	341
Pump	J. Willmann	749,248	Jan. 12	1415	304	108	344
Pump	C. J. Allen	750,560	Jan. 26	3998	864	108	933
Pump	O. G. Worsley	751,596	Feb. 9	1504	342	108	1397
Pump	H. Jones	751,651	Feb. 9	1603	364	108	1417
Pump	A. J. Miksch	753,507	Mar. 1	533	124	109	117
Pump	F. E. Ten Eyck	753,530	Mar. 1	604	138	109	131
Pump	J. Hahu	753,828	Mar. 1	1231	277	109	263
Pump	F. W. and C. A. Krogh	753,986	Mar. 8	1539	343	109	356
Pump	H. C. Crowley	754,431	Mar. 15	2450	534	109	570
Pump	H. C. Stouffer	755,072	Mar. 22	3073	806	109	855
Pump	H. J. Park	755,826	Mar. 22	3058	877	109	914
Pump	J. G. Kirksey	756,968	Apr. 12	1505	332	109	1679
Pump	P. H. Deis	759,080	May 3	979	198	110	222
Pump	M. W. Wing	759,145	May 3	1093	222	110	248
Pump	A. D. Elliott	760,324	May 17	3465	729	110	813
Pump	W. B. Tyler	760,498	May 24	3800	805	110	906
Pump	T. Stebbins	763,935	June 28	4579	1001	110	2491
Pump	A. K. Miller	764,747	July 12	1746	355	111	397
Pump	W. J. En Earl	764,932	July 12	2137	441	111	485
Pump	E. R. Walker, J. M. Mottern, and G. M. Gould.	767,092	Aug. 9	1982	413	111	1501
Pump	E. S. Stewart and C. G. Rice	769,281	Sept. 6	288	67	112	62
Pump	B. B. Jones	772,151	Oct. 11	1896	420	112	1380
Pump	C. A. Arnsberger	772,267	Oct. 11	2135	466	112	1435
Pump	S. M. Fulton	772,880	Oct. 18	3344	728	112	1719
Pump	J. W. Park	775,117	Nov. 15	3124	663	113	737
Pump	P. L. Ward	776,573	Dec. 6	213	47	113	1475
Pump	P. J. Leithausen	776,922	Dec. 6	916	197	113	1628
Pump	J. Willmann	777,827	Dec. 20	2690	521	113	2046
Pump	J. Willmann	777,828	Dec. 20	2691	592	113	2047

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Pump.....	S. Sears.....	777,924	Dec. 20	2918	641	113	2091
Pump.....	E. Frei.....	778,027	Dec. 20	3117	685	113	2130
Pump. Air.....	G. W. Kellogg.....	748,617	Jan. 5	112	28	108	26
Pump. Air.....	J. S. Hemenway.....	756,630	Apr. 5	329	179	109	1518
Pump. Air.....	J. E. Fisher.....	758,516	Apr. 26	4602	991	109	2389
Pump. Air.....	H. J. Rock.....	764,821	July 12	1904	390	111	432
Pump. Air.....	J. H. Burkholder.....	772,025	Oct. 11	1635	366	112	1324
Pump. Air.....	G. L. Bennett.....	775,885	Nov. 22	4751	1007	113	1120
Pump. Air lift.....	F. J. Kuhlmann.....	776,601	Dec. 6	267	59	113	1489
Pump and motor. Combined.....	H. S. Westinghouse and E. M. Herr.....	761,735	June 7	223	43	110	1487
Pump and water connection.....	Z. R. Tucker.....	761,730	June 7	213	41	110	1485
Pump and water-power motor.....	G. Kadlecisk.....	749,614	Jan. 12	2165	453	108	606
Pump attachment.....	E. F. Kimball.....	749,797	Jan. 19	3549	542	108	505
Pump automatic controller. Feed.....	R. J. Mullin.....	749,942	Jan. 19	3849	604	108	666
Pump. Automatic electric.....	F. L. Orr.....	750,115	Jan. 19	3149	677	108	738
Pump barrel clamp.....	W. J. Bussinger.....	750,591	Jan. 26	4051	876	108	946
Pump. Beer.....	J. Grüninger.....	752,668	Feb. 23	3587	799	108	1890
Pump, blower, &c. Rotary.....	C. Rein.....	751,014	Feb. 2	428	101	108	1152
Pump. Bucket.....	L. A. Brigel, Jr.....	749,836	Jan. 19	3623	561	108	621
Pump-cap.....	L. M. Rich.....	771,666	Oct. 4	179	112	113	1147
Pump. Centrifugal.....	T. R. Goth.....	750,446	Feb. 2	128	29, 30	108	1066
Pump. Centrifugal.....	L. Look.....	753,154	Feb. 23	4523	1008	108	2098
Pump. Centrifugal.....	G. McKay and W. O. Hildreth.....	755,690	Mar. 29	4805	1070	109	1112
Pump. Centrifugal.....	N. K. F. Hanson.....	755,969	July 26	4139	884	111	942
Pump. Centrifugal.....	K. Schoene.....	768,911	Aug. 30	5699	119	111	2381
Pump. Centrifugal.....	T. Reuter.....	771,371	Oct. 4	102	22	112	984
Pump. Centrifugal.....	I. C. Williams.....	772,989	Oct. 25	3572	774	112	1788
Pump. Centrifugal.....	T. R. Goth.....	776,835	Dec. 6	758	165	113	1593
Pump. Centrifugal dredging.....	C. Lager.....	778,590	Dec. 27	4222	920	113	2385
Pump. Centrifugal or similar.....	F. Ray.....	772,532	Oct. 18	2671	582	112	1573
Pump. Combined compression and exhaustion.....	M. A. Yeakley.....	774,508	Nov. 8	1857	403	113	490
Pump. Condensing air.....	J. Wilhelm.....	758,801	May 3	443	88	110	130
Pump-controller.....	W. F. Irish.....	764,852	July 12	1962	405	111	446
Pump controller system.....	A. C. Eastwood.....	762,620	June 14	1814	489	110	1887
Pump-controlling apparatus.....	G. V. Ellis.....	763,741	June 28	4201	915	110	2412
Pump-controlling means.....	W. Small.....	768,488	Aug. 23	4811	1008	111	2165
Pump-coupling.....	C. W. Decker.....	772,311	Oct. 11	2219	486	112	1454
Pump coupling. Windmill.....	C. W. Decker.....	750,173	Jan. 19	3257	702	108	756
Pump coupling. Windmill.....	C. W. Decker.....	774,939	Nov. 15	2758	591	113	651
Pump coupling. Windmill.....	J. E. Lester.....	777,113	Dec. 13	1296	286	113	1731
Pump-cylinder.....	J. H. Miller.....	758,377	Apr. 26	4333	930	109	2327
Pump-cylinder.....	R. Stone.....	753,028	June 21	2793	606	110	2084
Pump-cylinder, tank and base-plate.....	W. and J. Boskel.....	750,151	Jan. 19	3219	694	108	748
Pump-diaphragm.....	E. George, Jr.....	768,984	Aug. 30	5850	1228	111	2415
Pump. Diaphragm force.....	C. H. Langill.....	761,591	May 31	5662	1278	110	1396
Pump. Direct-acting.....	H. F. Frisbie.....	766,237	Aug. 2	167	36	111	1082
Pump. Dispensing.....	W. J. McCall.....	778,757	Dec. 27	4522	99	113	2432
Pump. Double-acting deep-well.....	W. B. Erb.....	763,664	June 28	4049	882	110	2379
Pump. Double-acting force.....	E. J. Hannah.....	756,113	Mar. 29	5660	1249	109	1303
Pump driving mechanism.....	J. C. Whitmer.....	753,771	Mar. 1	1064	244	109	229
Pump. Duplex.....	P. F. Oddie.....	749,099	Jan. 5	1088	229	108	250
Pump. Duplex.....	D. F. Lepley.....	767,579	Aug. 16	2934	614	111	1728
Pump. Duplex steam.....	C. A. Goynne.....	776,318	Nov. 29	5558	1186	113	1330
Pump engaging or disengaging device. Automatic air.....	C. Nielsen.....	767,912	Aug. 16	3598	753	111	1864
Pump. Fluid.....	I. H. Spencer and J. W. Simpson.....	756,903	Apr. 12	1373	806	109	1651
Pump. Fluid-motive-power.....	H. T. Farnsworth.....	761,366	May 31	5578	1181	110	1308
Pump for air, water, or other fluids. Rotary.....	J. Aitken. (Reissue).....	12,259	Aug. 23	4995	1047	111	2205
Pump for switching mechanisms. Electric.....	W. J. Bell.....	752,643	Feb. 23	3535	786	108	1878
Pump. Force.....	C. Schellhammer.....	766,734	Aug. 2	1222	259	111	1312
Pump-governor.....	R. Conrad.....	775,391	Nov. 22	3742	793	113	901
Pump governors. Pressure-regulator for steam.....	J. W. Gardner.....	750,448	Jan. 26	3762	818	108	887
Pump. Hand.....	C. W. Manzel.....	777,969	Dec. 20	3000	657	113	2107
Pump-head.....	H. M. Etter.....	756,105	Mar. 29	5648	1247	109	1301
Pump-head.....	W. and H. M. Williams.....	760,596	May 24	3983	847	110	947
Pump-head.....	S. M. Fulton.....	771,005	Sept. 27	3582	754	112	858
Pump. Heating and condensing feed.....	W. Tate.....	754,826	Mar. 15	3230	701	109	738
Pump. Hydraulic-motor.....	I. H. Spencer.....	764,156	July 5	486	96	111	105
Pump. Inflating.....	H. K. Austin.....	763,707	June 28	4138	902	110	2398
Pump. Liquid.....	H. Collins.....	763,367	June 28	3487	753	110	2290
Pump. Liquid-fuel.....	O. J. Root.....	759,198	May 3	1197	244	110	271
Pump. Lubricating.....	J. F. McCanna and J. R. Markle.....	754,485	Mar. 15	2563	538	109	596
Pump. Lubricating.....	J. F. McCanna and J. R. Markle.....	775,067	Nov. 15	3014	640	113	712
Pump measuring device.....	W. J. Bussinger.....	761,444	May 31	5710	1216	110	1319
Pump. Mercury.....	H. N. Potter.....	764,204	July 5	613	122	111	136
Pump. Metal.....	C. Vellino.....	777,870	Dec. 20	2795	614	113	2067
Pump. Multiple-feed lubricating.....	E. Haynes.....	777,413	Dec. 13	1857	410	113	1833
Pump. Multiple-oil.....	T. L. and T. J. Sturtevant.....	762,103	June 7	935	194	110	1640
Pump. Multistage centrifugal, turbine, or similar.....	F. Ray.....	765,935	July 26	4072	870	111	927
Pump. Oil.....	W. B. Mason.....	775,862	Nov. 29	4975	1050	113	1188
Pump. Oil-can.....	R. W. Lambert.....	764,731	July 12	1715	351	111	391
Pump. Oil-can.....	R. W. Lambert.....	764,732	July 12	1717	351	111	391
Pump. Oil-well.....	W. Taylor.....	767,454	Aug. 16	2682	563	111	1670
Pump operating means.....	C. F. Mayer.....	774,919	Nov. 15	2716	583	113	641

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Pump-operating mechanism	S. F. Field	751,624	Feb. 9	1554	354	108	1407
Pump-operating mechanism	C. P. Bilson	768,650	Aug. 30	5175	1088	111	2263
Pump or lubricator. Oil-	W. Q. Pfahler	765,994	July 26	4070	869	111	926
Pump or motor	L. M. A. Butin	755,353	Mar. 22	4188	109	100	964
Pump or motor. Rotary	C. M. Manley	765,494	July 19	3073	644	111	701
Pump or vacuum-chamber. Automatic suction-	C. H. Wettlin	749,121	Jan. 5	1146	243	108	265
Pump-piston	R. E. Small	751,758	Feb. 9	1799	410	108	1458
Pump-piston	W. S. Beers	765,541	July 19	3258	688	111	746
Pump-piston	P. J. Walter	770,513	Sept. 20	2631	556	112	625
Pump-piston	G. M. Côté and R. E. McClure	774,161	Nov. 8	1227	262	113	294
Pump. Plumber's force-	J. H. Lawless	775,065	Nov. 15	3012	639	113	712
Pump. Pneumatic	R. W. Elliott	761,065	May 31	4983	1056	110	1178
Pump. Polycellular centrifugal	A. Maginot	773,953	Nov. 1	845	177	113	792
Pump. Power-	H. M. Chase	753,361	Mar. 1	256	58	109	58
Pump. Power-	H. F. Dunham	773,250	Oct. 25	4261	901	112	1947
Pump-regulator	W. B. Mason	765,026	July 12	2285	476	111	515
Pump-regulator	C. Quinley, Jr.	766,730	Aug. 2	121	257	111	1316
Pump-regulator. Automatic power-	F. E. Reed	777,541	Dec. 13	2107	463	113	1907
Pump-rod attachment	A. Anderson	766,751	Aug. 2	1249	266	111	1318
Pump-rod attachment	F. G. Reverts	768,885	Aug. 30	5652	1189	111	2309
Pump-rod counterbalance	R. R. Smith and G. McTurk	749,236	Jan. 12	1400	300	108	941
Pump-rod counterbalance	E. R. Smith	760,913	July 19	3258	688	111	746
Pump-rod coupling-pin	P. L. Webber	775,300	Nov. 15	3292	703	113	776
Pump. Rotary	J. Nielsen	751,196	Feb. 2	768	175	108	1321
Pump. Rotary	H. E. Deckebach	755,631	Mar. 29	4704	1045	109	1091
Pump. Rotary	W. H. and G. W. Leiman	762,539	June 14	1833	399	110	1856
Pump. Rotary	W. W. Robinson	767,442	Aug. 16	2649	557	111	1663
Pump. Rotary	E. W. Evans	773,316	Oct. 25	4385	927	112	1973
Pump. Sand-	F. G. Irvine	750,192	Jan. 19	3284	709	108	761
Pump. Ship-	C. H. Sanborn and W. F. Runnells	758,022	Apr. 19	3613	781	109	2151
Pump. Spray-	J. Bean	767,032	Aug. 9	1841	387	111	1470
Pump-stand	J. M. Allen	778,163	Dec. 20	3367	740	113	2185
Pump. Steam-	P. B. Corey	753,367	Mar. 1	267	60,61	109	60
Pump. Steam and vacuum	A. G. Waterhouse	773,905	Nov. 1	741	158	113	170
Pump. Steam and vacuum	G. G. Waterhouse	773,906	Nov. 1	746	158	113	172
Pump. Steam-engine air-	R. Richardson	755,938	Mar. 29	5335	1177	109	1233
Pump steam-head. Air-	J. C. Lyons	765,929	July 26	4062	868	111	925
Pump. Steam vacuum-	R. B. Emerson	773,133	Oct. 25	4002	848	112	1899
Pump strainer attachment. Spraying-	H. A. Jagger	751,918	Feb. 9	2123	448	108	1531
Pump top heads. Bushing for air-	W. A. Walker	768,099	Aug. 23	4033	849	111	1990
Pump-valve	O. Arendt	754,186	Mar. 8	1906	424	109	437
Pump-valve	A. Choiniere	760,309	May 17	3436	724	110	807
Pump-valve	F. McMillan	773,764	Nov. 1	437	96	113	103
Pump-valve. Deep-well	J. H. Duke and J. F. Bray	751,482	Feb. 9	1220	294	108	1351
Pump valve. High-pressure-	W. J. Baines	774,732	Nov. 15	2334	505	113	553
Pump valve mechanism	H. Unzicker	756,993	Apr. 12	1554	341	109	1688
Pump. Vertical-plunger sinking	E. M. Coryell	753,550	Mar. 1	646	146	109	142
Pumps. Automatic controller for feed-	R. J. Mullin	770,866	Sept. 27	3308	699	111	795
Pumps. Concentric valve for compressor-	K. Krysat	768,183	Apr. 26	3394	854	109	2346
Pumps. Electrical apparatus for registering the discharge of liquids by	H. J. S. Cassal	752,652	Feb. 23	3554	791	108	1882
Pumps. Spindle-bearing especially applicable to centrifugal	A. Morcom	770,600	Sept. 20	2780	590	112	660
Pumps. Standing valve for oil or Artesian well	W. S. Beers	776,377	Nov. 29	5716	1209	113	1360
Pumping and dredging apparatus	G. A. Farwell	775,267	Nov. 15	3471	733	113	823
Pumping apparatus	J. E. Smith	752,715	Feb. 23	3672	818	108	1909
Pumping apparatus	G. J. Murdock	765,498	July 19	3083	645	111	703
Pumping apparatus	A. C. E. Rateau	765,994	July 26	4187	894	111	851
Pumping apparatus	A. C. E. Rateau	768,076	Aug. 23	3982	837	111	1979
Pumping apparatus	D. R. Sheen	771,839	Oct. 11	1224	272	112	1235
Pumping apparatus. Adjusting device for oil-well	F. P. Myers	769,621	June 28	3951	859	110	2358
Pumping apparatus. Oil-	C. Robinson	757,499	Apr. 19	2574	565	109	1920
Pumping apparatus. Steam and vacuum	A. G. Waterhouse	773,907	Nov. 1	746	158	113	172
Pumping apparatus. Well	B. L. Brinton	751,049	Feb. 2	490	114	108	1166
Pumping-engine	G. De Laval and G. P. Aborn	748,758	Jan. 5	380	85, 86	108	83
Pumping-engine. Compound duplex	A. F. Cavanaugh	777,495	Dec. 13	2016	445	113	1888
Pumping-engine. Duplex	E. Vogel	767,612	Aug. 16	3002	627	111	1748
Pumping-engine. Duplex	S. H. Bunnell	769,353	Feb. 6	335	91, 92	112	85
Pumping-jack	E. A. Yocum and J. A. Swihart	756,706	Apr. 5	1094	242	109	1576
Pumping-jack	J. W. Knight	772,418	Oct. 18	2443	535	112	1524
Pumping-lever	J. E. Hudson	774,475	Nov. 8	1799	388	113	418
Pumping liquid	A. G. Waterhouse	773,908	Nov. 1	756	158	113	174
Pumping mechanism. Gas-apparatus	H. Haynes and R. H. Lindal	766,346	Aug. 2	414	87	111	1131
Pumping or conveying device. Pneumatic	W. J. Bell	770,153	Sept. 13	1906	406	112	446
Pumping power	E. O. Weidler	759,574	May 10	2015	412	110	475
Pumping power	D. E. Norris	778,428	Dec. 27	3910	852	113	2319
Pumping system. Oil-	R. J. Hoffman and E. H. Hollingshead	775,501	Oct. 25	4795	1011	112	2061
Punch	E. D. Etnyre and W. A. Whitney	750,024	Jan. 19	2985	639	108	699
Punch	H. C. and G. T. Tull	753,936	Mar. 8	1450	325	109	334
Punch	R. M. Hart	759,709	May 10	2268	469	110	329
Punch, &c.	F. E. Walden	763,225	June 21	3193	680	110	2174
Punch	W. A. Bernard	764,336	July 5	862	176	111	189
Punch	W. A. Bernard	765,954	July 26	4103	877	111	934
Punch	T. H. Lovejoy	770,238	Sept. 13	2076	436	112	483
Punch	T. H. Lovejoy	770,239	Sept. 13	2077	436	112	483
Punch	R. W. Barker	771,694	Oct. 4	930	209	112	1158

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Punch. Belt.	A. A. Kraeuter	751,079	Feb. 2	546	127	108	1179
Punch. Check.	T. K. Davison.	758,425	Apr. 26	4431	952	109	2349
Punch. Combination ticket.	W. C. Downing	759,596	May 10	2054	420 421 422	110	482
Punch-controlling device	J. V. W. Reynders and W. T. Sears.	772,836	Oct. 18	3234	705 706	112	1694
Punch-gag-operating mechanism.	J. V. W. Reynders and W. T. Sears.	770,655	Sept. 20	2888	614	112	685
Punch. Hand.	G. A. Huber	768,126	Aug. 23	4089	861	111	2003
Punch. pliers, &c	W. M. Morton	750,678	Jan. 26	4200	911	108	978
Punch. Portable	J. H. Chidester	771,126	Sept. 27	3827	808	112	911
Punch-stripper.	J. V. W. Reynders and W. T. Sears.	777,542	Dec. 13	2109	463	113	1907
Punch. Ticket.	C. W. Kuen	775,303	Nov. 22	3553	749	113	859
Punch. Universal slotting.	J. F. Doolittle	751,723	Feb. 9	1732	393	108	1443
Punches. Making	H. G. Hart	759,708	May 10	2267	468	110	529
Punching and riveting machine.	E. G. Caughey	767,205	Aug. 9	2209	460	111	1548
Punching and shearing machine, &c	R. Norrie	748,979	Jan. 5	839	178	108	195
Punching-bag	H. Rhodes	758,379	Apr. 26	4133	893	109	2282
Punching-bag	J. G. Keith	774,184	Nov. 8	1274	270	113	305
Punching-bag apparatus	C. F. Held	775,653	Nov. 22	4316	911	113	1029
Punching-bag attachment.	K. C. Roe	770,869	Sept. 27	3313	699	112	796
Punching-bag-supporting bracket. Aerial.	J. J. O'Connor	771,925	Oct. 11	1421	324	112	1276
Punching implement. Belt.	W. W. Woodley	763,137	June 21	3009	649	110	2132
Punching-machine.	E. A. Burke	749,164	Jan. 12	1248	268	108	306
Punching-machine.	O. P. Woodburn	750,746	Jan. 26	4362	942 943	108	1015
Punching-machine.	G. A. Shoemaker	756,902	Apr. 12	1372	306	109	1651
Punching-machine.	J. A. Keyes	762,321	June 14	1368	295	110	1757
Punching-machine.	W. F. Lautenschlager and E. B. Hume.	765,087	July 12	2410	502	111	539
Punching-machine.	D. D. Frothingham	766,030	July 26	4262	912	111	967
Punching-machine.	T. F. Phillippi	767,914	Aug. 10	3502	754	111	1865
Punching-machine.	H. Raines.	771,391	Oct. 4	334	74	112	1031
Punching-machine.	H. L. Zeigler	772,550	Oct. 18	2704	594 595 596	112	1580
Punching-machine.	W. F. Lautenschlager and E. B. Hume.	773,329	Oct. 25	4417	937 938	112	1980
Punching-machine feeding apparatus.	J. A. Reeves.	759,308	May 10	1495	300 301	110	361
Punching-machine. Gang	A. G. Hupfel	770,466	Sept. 20	2516	535 536	112	602
Punching-machine shaft-clutch	G. F. Leighton	771,375	Oct. 4	309	68, 69	112	1027
Punching-machine spacing-table.	J. V. W. Reynders and W. T. Sears.	769,020	Aug. 30	5928	1241 1242	111	2433
Punching mechanism. Sheet-metal.	W. A. Hall	776,511	Dec. 6	70	17	113	1440
Punching or drilling machine spacing mechanism.	M. L. O'Brien	773,584	Nov. 1	98	20	113	27
Punching or other machines. Detachable key-bank for	M. C. Indahl.	778,196	Dec. 20	3433	755	113	2197
Punching or riveting machine. Portable	H. G. Morse	761,528	May 31	5845	1252 1253	110	1369
Punching or shearing machine. Metal	R. Norrie	776,345	Nov. 29	5653	1198	113	1348
Puncture-closer	R. W. Sampson	765,324	July 19	2847	596	111	652
Puppet. Springing and dancing	R. Ubrig	773,692	Nov. 1	306	67	113	73
Purse and vegetable forcer.	T. M. Holden	776,136	Nov. 29	5261	1112	113	1255
Purifying apparatus	P. J. Boucher	760,302	May 17	3423	722	110	804
Purse	J. C. O'Shea	751,748	Feb. 9	1736	407	108	1455
Purse and hose-supporter. Combined	F. A. Taylor and N. E. Flint	763,519	June 28	3772	815	110	2319
Purse. Coin or change	J. M. Kerst and A. W. Cresser	771,522	Nov. 8	1890	410	113	498
Purse-locking device	C. Andresen	732,612	Feb. 16	3466	774	108	1486
Purses, sacks, &c. Mouthpiece for	J. R. Hill	761,962	June 7	687	140	110	1590
Push-button	C. J. Klein	757,208	Apr. 12	1977	431	109	1782
Push-button casing. Electric	H. F. Keil	777,106	Dec. 13	1286	283	113	1729
Push-button switch	W. A. Church	757,541	Apr. 19	2670	585	109	1943
Push-buttons. Thermostatic finger-piece for	W. E. Harmon	771,547	Oct. 4	455	146	112	1098
Push-down holder.	E. Tompkins	774,406	Nov. 8	1671	358	113	392
Push-rake	O. D. and D. W. Shirk.	757,061	Apr. 12	1692	367	109	1718
Putter	W. W. Davis.	749,174	Jan. 12	1265	273	108	310
Putty-knife	J. O. Hall	777,411	Dec. 13	1854	409	113	1853
Puttying-tool.	W. T. Selley	760,027	May 17	2901	607	110	687
Puttying-tool.	W. J. McClenahan	775,089	Nov. 15	3062	650	113	722
Puzzle.	G. T. Arnold	749,351	Jan. 12	1640	349	108	394
Puzzle.	H. Keeler	750,662	Feb. 2	152	35	108	1091
Puzzle.	L. S. Reese	751,734	Feb. 9	1734	409	108	1457
Puzzle.	O. Crittenden	752,377	Feb. 16	3001	668	108	1745
Puzzle.	O. L. Hubbard	753,266	Mar. 1	99	25	109	25
Puzzle.	G. L. Mott	753,420	Mar. 1	380	89	109	83
Puzzle.	D. L. Munro	753,831	Mar. 1	1236	277	109	265
Puzzle.	L. Van Putten	754,724	Mar. 15	3037	663	109	698
Puzzle.	A. L. Snedeker	760,032	May 17	2910	609	110	689
Puzzle.	M. N. Strickland	765,521	July 19	3252	681	111	739
Puzzle.	S. L. Saunders	766,118	July 26	4436	950	111	1004
Puzzle.	W. J. Kelly	767,645	Aug. 16	3064	640	111	1756
Puzzle.	G. S. Andrews	769,127	Aug. 30	6135	1282 1283	111	2477
Puzzle.	E. S. Ross	769,407	Sept. 6	532	116	112	120
Puzzle.	E. A. Cannon	769,532	Sept. 6	775	167	112	176
Puzzle.	E. G. Jackson	771,072	Sept. 27	3723	785	112	886
Puzzle.	J. S. Pinnell	774,197	Nov. 8	1292	274	113	309
Puzzle.	E. L. Young	775,695	Nov. 22	4401	929	113	1046
Puzzle.	C. Henry	777,205	Dec. 13	1458	323	113	1766
Puzzle.	B. E. Clarkson	777,401	Dec. 13	1838	406	113	1849

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Puzzle-ball	W. E. Hoy	766,444	Aug. 2	594	126	111	1170
Puzzle-lock	H. Bruck	753,355	Mar. 1	250	56	109	56
Puzzle or advertising medium	F. J. Stone	778,882	Dec. 27	8815	833	113	2236
Pyrazolone compound and making same.	M. Overlach	768,338	Aug. 23	4645		111	2181
Pyrites. Apparatus for treating	W. B. Simons	778,149	Dec. 20	3346	734	113	2181
Pyro-acetic spirit. Apparatus for producing	A. Ippendorf	769,164	Sept. 6	48	12	112	13
Pyrographic apparatus	A. S. Dietz	754,129	Mar. 8	1811	403	109	416
Pyrographic-pencil exciter	J. Anderson	776,482	Dec. 6	3	1	113	1423
Pyrographic work. Tool for	Z. N. Tyssowska	754,544	Mar. 15	3452	756	109	739
Pyrographical instrument.	J. F. Burns	769,936	Sept. 13	1528	326	112	362
Pyrometer	H. M. Tory and H. T. Barnes	769,364	Sept. 6	451	101	112	100
Pyrometer. Recording	F. N. Speller	773,684	Nov. 1	293	65	113	69
Pyrotechnic signal-alarm and burning torch	J. C. Moore	768,065	Aug. 23	3919	822	111	1963
Pyrotechnical compositions. Making	M. Magnard	759,387	May 10	1662		110	397
Pyrotechnic compound	K. Hufnagel	775,822	Nov. 23	4635		113	1096
Quadrant. Traverse	H. G. Nichols	754,086	Mar. 8	1725	385	109	396
Quartz-mill	C. J. Hodge	748,867	Jan. 5	595	134	108	133
Quartz-mill	E. Booker	759,497	May 10	1871	376	110	444
Quartz-mill	E. Booker	759,802	May 10	2458	515	110	572
Quartz-mill	C. E. Humphreys	769,610	Sept. 6	898	194	112	204
Quilling-machine	G. Adsit	757,081	Apr. 12	1736	195	109	1725
Quilling-machine	G. Sipp	759,640	May 10	2146	375	110	502
Quilling-machine	G. Adsit	774,020	Nov. 1	965	201	113	219
Quilling-machine	J. Turner	776,274	Nov. 29	5527	202	113	1315
Quills and product. Treating	E. K. Warren	770,484	Sept. 20	2557	1170	112	609
Quoin	W. V. Crockett	765,560	July 19	3325	697	111	754
Quoin-lock	C. G. Banse and H. F. Knapp	763,709	June 28	4141	903	110	2399
Rabbit-arm and rake	C. H. Repath and F. E. Marcy	776,085	Nov. 29	5168	1092	113	1233
Race-track appliance	R. B. Logan	755,148	Mar. 22	3860	837	109	883
Race-track barrier	C. E. Foulks	754,986	Mar. 22	3525	772	109	821
Rack:							
See Baking-rack.	Hook-rack.						
Ball-rack.	Hose-rack.						
Barrel-rack.	Insulation-rack.						
Brush-rack.	Knife-rack.						
Clothes-rack.	Music-rack.						
Clothing-rack.	Newspaper-rack.						
Coat, hat, umbrella, &c. rack.	Pipe-rack.						
Collar-rack.	Segmental rack.						
Cooling-rack.	Shoe-rack.						
Display-rack.	Spacing-rack.						
Drier-rack.	Spool-rack.						
Floor-rack.	Stock-rack.						
Harness-rack.	Suspension-rack.						
Hat-rack.	Ticket-rack.						
Hat, coat, and umbrella rack.	Tool-rack.						
Hay-rack.	Towel-rack.						
Hay and stock rack.	Towel or other rack.						
Holding and draining rack.	Wagon-rack.						
Rack	C. D. Lyon	753,598	Mar. 1	733	164	109	159
Rack bar	H. E. Rathbun and W. H. Lonergan	767,364	Aug. 9	2490	521	111	1609
Rack or cabinet-frame.	C. J. Colling	751,466	Feb. 9	1202	289	108	1344
Rack or holder.	A. M. Schiele	759,025	May 3	872	177	110	200
Racker. Beer.	F. Fink	762,626	June 14	1998	432	110	1891
Racking apparatus. Beer.	H. W. Colby	755,618	Mar. 29	4674	1040	109	1083
Radiating device. Heat.	J. H. Bullard	754,195	Mar. 8	1919	427	109	439
Radiator	G. M. Aylsworth.	753,031	Feb. 23	4312	958	108	2053
Radiator	G. A. Mower.	754,156	Mar. 8	1853	413	109	426
Radiator	R. Barrett	756,202	Apr. 5	8	2	109	1344
Radiator	J. B. Brown	763,591	June 28	3907	849	110	2349
Radiator	A. G. Bayles	768,785	Aug. 30	5434	1144	111	2320
Radiator	H. K. Austin	772,858	Oct. 18	3304	721	112	1711
Radiator	W. Leek	777,036	Dec. 6	1154	251	113	1684
Radiator air-valve	T. Wheatley	759,032	May 3	922	187	110	211
Radiator air-valve	T. Wheatley	772,706	Oct. 18	3145	684	112	1675
Radiator air-valve	F. W. Leuthesser.	776,475	Nov. 29	5610	1245	113	1404
Radiator and ventilator. Heat.	J. J. Kulage	775,333	Nov. 22	3611	765	113	872
Radiator connection	J. S. Brennan	750,532	Jan. 26	4084	572	108	942
Radiator foot-rest	J. C. Smith	764,689	July 12	1632	384	111	373
Radiator for auto cars	A. Loyal	778,320	Dec. 27	3684	804	113	2270
Radiator for cooling fluids	T. B. Jeffery	764,727	July 12	1710	350	111	390
Radiator. Gas.	J. Hutchinson	763,057	June 21	2868	1618	110	2099
Radiator. Heat.	A. Macfadyen	756,092	July 12	2422	504	111	541
Radiator. Hot-water.	J. J. Lawler	762,987	Feb. 23	4229	942	108	2033
Radiator. Sheet-metal	W. R. Kinnear.	772,289	Dec. 13	1611	357	113	1799
Radiator. Steam.	G. W. Johnson	768,856	Aug. 30	5594	1175	111	2356
Radiator-support	J. A. Bently	751,828	Feb. 9	1949	442	108	1491
Radiator-tubes. Machine for making	F. H. Stolz	777,817	Dec. 20	2674	588	113	2042
Radiator-valve	F. W. Leuthesser.	756,383	Apr. 5	393	80	109	1427
Radiator-valve	A. L. Bower	757,087	Apr. 12	1747	389	109	1730
Radiator-valve	D. F. Morgan	763,666	June 21	2876	621	110	2103
Radiator-vent	C. Wisbeck	776,769	Dec. 6	608	132	113	1560
Radiator vent. Steam.	W. W. Lower	756,735	Apr. 5	1159	257	109	1592
	W. W. Lower	756,794	Apr. 5	1157	257	109	1591

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Radiators. Combined shelf or hanger and foot-rest attachment for	F. H. Maxam	762,179	June 7	1072	227	110	1671
Radiators. Means for providing zinc in	W. R. Kinnear	752,844	Feb. 23	3913	877	108	1961
Radiators or the like. Support for	G. H. Colton	755,111	Mar. 22	3736	821	109	869
Radium and allied compounds. Container for	W. E. Everette	773,281	Oct. 25	4327		112	1962
Rag-dusting machine	W. S. Atch	753,213	Feb. 23	4647	1034	108	2125
Rag-picker	L. Bredannaz and P. J. Follin	778,102	Dec. 20	3523	714	113	2158
Rag-picker feed-roller	L. Bredannaz	769,680	Sept. 6	1038	224	112	287
Rail	L. Steinberger	755,326	Mar. 22	4131	914	109	949
Rail	L. Steinberger	762,768	June 14	2287	499	110	1951
Rail	L. J. Waser	771,287	Oct. 4	129	29	112	990
Rail	H. B. Sutliff	774,401	Nov. 8	1658	356	113	389
Rail and conductor point operating mechanism	C. G. Goord	748,721	Jan. 5	311	70	108	69
Rail-bender	R. O. Hintz	754,562	Mar. 15	2709	589	109	627
Rail-bond	E. G. Thomas	768,318	Aug. 23	4458	936	111	2683
Rail-bond former	W. E. Oakley	772,172	Oct. 11	1937	428	112	1388
Rail-bond	E. G. Thomas	772,188	Oct. 11	1966	434	112	1395
Rail-bond	E. P. Howe	775,082	Nov. 15	3045	646	113	720
Rail-bond compressor	G. M. Willis	774,810	Nov. 15	2489	536	113	591
Rail-bond. Electric	J. Landising	755,889	Mar. 29	5229	1156	109	1211
Rail-bond swaging device	W. H. Wherry	760,907	Aug. 2	11	21	111	869
Rail-bond terminals. Mold for casting	J. Baschen	751,245	Feb. 2	880	201	108	1244
Rail-bonds directly in place on the rails. Forming electrical	W. H. Wherry	750,508	Jan. 26	3881	842	108	913
Rail-bonds directly in place on the rails. Forming electrical	W. H. Wherry	750,510	Jan. 26	3884	843	108	913
Rail-bonds. Manufacture of	G. A. Mead	751,320	Feb. 2	1024	232	108	1276
Rail-bonding apparatus	W. B. Cleveland	750,522	Jan. 26	3910	848	108	918
Rail-bonding construction	E. G. Thomas	757,070	Apr. 12	1707	371	109	1721
Rail-bonding tool. Hydraulic	C. Wigtel	763,531	June 28	3794	821	110	2324
Rail-brace	F. P. Marling	773,700	Nov. 1	432	95	113	102
Rail-brace	J. F. Kelly	774,845	Nov. 15	2569	552	113	102
Rail-brake. Electromagnetic	K. A. Barner	755,208	Mar. 22	3965	862	109	908
Rail-chair	G. A. Weber	760,501	May 24	3805	806	110	907
Rail-chair	F. M. Annis	767,287	Nov. 29	5545	1174	113	1319
Rail chair and joint	C. A. Carbaugh	755,449	Mar. 22	4362	966	109	1000
Rail-clamp	O. D. Lent	755,020	Mar. 22	3584	787	109	834
Rail-clamp	T. W. Lingard	760,461	May 24	3727	789	110	880
Rail-clamp	C. V. Rote	760,489	May 24	3779	800	110	901
Rail-clamp	J. Talbert	767,851	Aug. 16	3451	730	111	1841
Rail-clamp	J. F. Kelly	770,861	Sept. 27	3302	697	112	794
Rail-clamp. Guard-	P. E. Kelly and J. W. Riordan	758,536	Apr. 26	4645	1000	109	2397
Rail-cleaner	P. C. Hunter and W. C. Bamber	751,588	May 31	3559	1278	110	1305
Rail-cleaner	H. C. King	758,538	Apr. 26	4648	1001	109	2398
Rail-clip	O. M. Knox	764,362	July 5	931	189	111	205
Rail contact-shoe	G. W. Brady and L. R. Jones	749,716	Jan. 19	2383	504	108	569
Rail contact-shoe and support therefor	G. W. Brady and L. R. Jones	751,974	Feb. 9	2559	506	108	1559
Rail-coupling	A. Barnes	777,649	Dec. 13	2335	512	113	1954
Rail cover. Third-	B. W. Duffy	748,591	Jan. 5	72	20	108	17
Rail covering. Third-	T. Buckley	770,158	Sept. 13	1918	408	112	449
Rail-cutting machine. Portable track-	T. E. O'Neil	766,735	Aug. 2	1205	1254	111	1309
Rail-end bridge	E. E. Baldwin	762,607	June 14	1959	423	110	1881
Rail-fastener	J. A. Boughton	771,702	Oct. 4	940	211	112	1160
Rail fastener. Guard-	D. F. Vaughan	775,738	Nov. 22	4473	947	113	1062
Rail-fastening	A. Koppel	749,936	Jan. 19	2818	602	108	664
Rail-fastening	G. L. Hall	761,070	May 31	4990	1059	110	1180
Rail-fastening	C. E. Neubauer	761,600	May 31	5974	1283	110	1538
Rail-fastening device	O. Granberg	762,703	June 14	2163	470	110	1926
Rail for combined third and traction rail switching systems. Throw-	J. H. Morgan	772,735	Oct. 18	3078	672	112	1661
Rail. Guard-	D. F. Vaughan	752,428	Feb. 16	3111	691	108	1767
Rail. Guard-	D. F. Vaughan	767,779	Aug. 16	3291	635	111	1807
Rail guard for electric roads. Third-	J. S. and J. S. Payne	764,148	July 5	469	92	111	101
Rail guard. Third-	J. H. Guest	769,862	Sept. 13	1389	296	112	333
Rail-heating furnace. Portable	G. A. A. Culin	778,117	Dec. 20	3285	722	113	2165
Rail-joint	A. L. Vinyard	748,672	Jan. 5	222	53	108	48
Rail-joint	E. J. Schindehütte	749,332	Jan. 12	1603	340	108	385
Rail-joint	F. Dodson	750,100	Jan. 19	3128	672	108	729
Rail-joint	G. F. C. Powell	750,693	Jan. 26	4223	916	108	983
Rail-joint	S. S. Moore	750,778	Jan. 26	4440	957	108	1033
Rail-joint	T. M. Belknap	751,451	Feb. 9	1238	282	108	1339
Rail-joint	W. A. Shaw	751,693	Feb. 9	1676	380	108	1433
Rail-joint	W. S. Shilling	751,951	Feb. 9	2186	493	108	1544
Rail-joint	E. D. Boasso	752,511	Feb. 16	3251	725	108	1798
Rail-joint	W. W. Kercher	753,567	Feb. 16	3362	750	108	1824
Rail-joint	P. Holbrook	753,395	Mar. 1	328	79	113	73
Rail-joint	B. C. Rowell	753,434	Mar. 1	406	95	109	88
Rail-joint	J. M. Staples	753,441	Mar. 1	419	98	109	91
Rail-joint	W. C. Burgum	753,470	Mar. 1	466	109	109	102
Rail-joint	A. Christensen	753,854	Mar. 8	1283	288	109	537
Rail-joint	J. R. Gilbert	753,874	Mar. 8	1317	297	109	544
Rail-joint	W. Watkins	754,727	Mar. 15	3941	664	109	609
Rail-joint	R. O. Millard and T. L. Henry	755,151	Mar. 22	3803	838	109	884
Rail-joint	J. B. Climo	755,848	Mar. 29	5155	1139	109	1194
Rail-joint	O. L. Fisher and W. W. Holston	756,226	Apr. 5	69	15	109	1357
Rail-joint	J. W. Smith	756,423	Apr. 5	469	97	109	1442
Rail-joint	G. A. Weber	756,443	Apr. 5	513	107	109	1452
Rail-joint	C. F. Keener	757,316	Apr. 12	2211	483	109	1830
Rail-joint	M. Löpprich	757,936	Apr. 19	3443	746	109	2113
Rail-joint	M. Warner	757,984	Apr. 19	3536	750	109	2133
Rail-joint	E. F. Evans and T. J. Strange	758,055	Apr. 26	3689	801	109	2187
Rail-joint	G. W. Dickey	758,586	Apr. 26	4738	1021	109	2418
Rail-joint	Z. E. Fiveash	758,906	May 8	655	131	110	154

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Rail-joint	J. R. Oakley	760,011	May 17	2863	599	110	679
Rail-joint	G. Schmidt	760,259	May 17	3349	600	110	787
Rail-joint	B. Kraus	760,337	May 17	3489	734	110	818
Rail-joint	E. H. Tuttle	760,357	May 17	3518	740	110	825
Rail-joint	C. J. Hoffman	760,864	May 24	4552	741	110	1068
Rail-joint	R. Callaghan	760,954	May 24	4727	1007	110	1105
Rail-joint	R. Springer	761,423	May 31	5674	1308	110	1330
Rail-joint	J. Coln	761,650	June 2	70	81	110	1453
Rail-joint	H. D. Aupke	762,113	June 7	957	197	110	1645
Rail-joint	A. Vogel	762,778	June 14	2309	504	110	1956
Rail-joint	H. C. Hunt	763,668	June 28	4055	883	110	2380
Rail-joint	D. O. Brunner	763,848	June 28	4413	960	110	2456
Rail-joint	A. L. Thompson and W. H. Hoven-	764,397	July 5	1005	204	111	323
	den.						
Rail-joint	M. B. Kato	765,011	July 12	2262	468	111	510
Rail-joint	P. Matusak	765,028	July 12	2289	476	111	516
Rail-joint	J. S. Domachowski	765,132	July 12	2488	520	111	556
Rail-joint	C. F. Williams	765,535	July 19	3280	687	111	744
Rail-joint	C. P. Hall	766,033	July 26	4267	913	111	968
Rail-joint	F. Lieske	766,710	Aug. 2	1170	244	111	1302
Rail-joint	J. T. Davis	767,546	Aug. 16	2876	600	111	1715
Rail-joint	J. J. Sulkey	768,087	Aug. 23	3441	841	111	1805
Rail-joint	J. Campbell	769,056	Aug. 30	5996	1256	111	2447
Rail-joint	H. S. Mann	769,553	Sept. 6	810	173	112	183
Rail-joint	W. P. and S. G. Thomson	770,248	Sept. 13	2095	441	112	487
Rail-joint	H. H. Wrench	770,996	Sept. 27	3564	750	112	854
Rail-joint	C. O. Minor	771,022	Sept. 27	3624	763	112	865
Rail-joint	H. Hines	771,148	Sept. 27	3873	817	112	920
Rail-joint	F. C. Shellito	771,180	Sept. 27	3937	831	112	933
Rail-joint	L. J. Wagner	771,288	Oct. 4	130	29	112	990
Rail-joint	F. G. Conrad	771,716	Oct. 4	970	217	112	1167
Rail-joint	A. W. Douglass	771,722	Oct. 4	981	219	112	1169
Rail-joint	G. A. Weber	772,012	Oct. 11	1593	360	112	1314
Rail-joint	M. D. Leebow	772,107	Oct. 11	1801	399	112	1361
Rail-joint	G. R. Wolfe	772,307	Oct. 11	1907	429	112	1452
Rail-joint	W. F. Burrows	772,455	Oct. 18	2321	553	112	1541
Rail-joint	J. Ellmore	772,650	Oct. 18	2391	536	112	1621
Rail-joint	F. Finger	772,652	Oct. 18	2803	636	112	1622
Rail-joint	L. Regdon and F. Makroczy	772,825	Oct. 18	3233	705	112	1694
Rail-joint	C. G. Ford	773,558	Nov. 1	50	10	113	15
Rail-joint	J. M. Walker	773,611	Nov. 1	114	31	113	38
Rail-joint	W. J. Gillespie	773,865	Nov. 1	658	139	113	152
Rail-joint	J. W. Schlegel	774,006	Nov. 8	2044	446	113	470
Rail-joint	E. A. Barry	774,642	Nov. 8	2112	460	113	485
Rail-joint	A. L. Stanford	775,386	Nov. 22	3728	791	113	898
Rail-joint	M. Barschall	775,643	Nov. 22	4296	907	113	1025
Rail-joint	W. E. Palmer	775,832	Nov. 22	4693	998	113	1108
Rail-joint	D. O. Ward	775,954	Nov. 29	4909	1038	113	1173
Rail-joint	J. H. Allen	776,005	Nov. 29	5021	1059	113	1201
Rail-joint	J. H. Allen	776,006	Nov. 29	5022	1059	113	1201
Rail-joint	L. A. Bundy	777,230	Dec. 13	1534	338	113	1780
Rail-joint	H. L. Rogers	777,494	Dec. 13	1800	418	113	1863
Rail-joint	R. Cala	777,494	Dec. 13	2014	445	113	1888
Rail-joint	G. B. Hunter	777,634	Dec. 13	2303	506	113	1948
Rail-joint	P. Peterson	778,069	Dec. 20	3192	702	113	2146
Rail-joint	D. C. Bassett	778,625	Dec. 27	4294	937	113	2401
Rail-joint	J. G. Greter	778,657	Dec. 27	4354	951	113	2416
Rail-joint	D. P. Springer	778,716	Dec. 27	4447	972	113	2437
Rail-joint and bond. Combined.	R. T. Gunn and E. C. Hathaway	731,910	Feb. 9	2104	475	108	1527
Rail-joint and bond-piece. Combined.	J. G. Barrett	774,129	Nov. 1	1170	250	113	205
Rail-joint and chair. Combined.	Y. and J. G. Arnandez and C. L. Voorhies.	773,775	Nov. 1	453	101	113	107
Rail-joint bridge-piece.	W. Goldie	758,526	Apr. 26	4624	996	109	2393
Rail-joint bridge-plate and fastening.	S. C. Ball	759,654	May 10	2176	447	110	509
Rail-joint bridge. Portable	C. W. Coburn	765,882	July 26	3977	847	111	905
Rail-joint chair	J. S. Anderson	751,770	Feb. 9	1835	416	108	1463
Rail-joint chair	T. Dinnars	774,774	Nov. 15	2346	508	113	1558
Rail-joint chair	B. H. Tripp	774,899	Nov. 15	2678	575	113	633
Rail-joint connection	M. N. Webber	759,051	May 3	920	186	110	211
Rail-joint coupling	J. W. Hafer	755,764	Mar. 29	4990	1110	109	1154
Rail-joint fastener	J. A. Gossard, Jr.	774,581	Nov. 8	2005	436	113	462
Rail-joint fastening	W. T. Brown and W. C. Watson	765,269	July 19	2735	570	111	629
Rail-joint for tracks and especially for field-rail-ways.	W. Weiss	748,826	Jan. 5	511	116	108	116
Rail-joint lock	N. G. Vosler	772,543	Oct. 18	2689	590	112	1577
Rail-joint-plate	J. S. Hoerner	777,255	Dec. 13	1554	345	113	1787
Rail-joint shoe and clamp	J. B. Anderson	777,365	Dec. 13	1768	393	113	1834
Rail-joint splice-bar. Lock.	R. Lang	756,380	Apr. 5	386	79	109	1425
Rail-joint support	C. A. Erickson	772,610	Oct. 18	2820	620	112	1606
Rail-joint. Suspended	W. P. and S. G. Thomson	770,026	Sept. 13	1690	359	112	399
Rail-joint washer. Elastic.	C. Spiegel and H. Moehring	770,987	Sept. 27	3544	747	112	850
Rail-loading machine	F. Thompson	756,796	Apr. 5	1043	232	109	1565
Rail-lock	R. H. Reid	772,671	Oct. 18	2933	644	112	1629
Rail. Locomotive rack.	E. A. Sperry	772,680	Oct. 18	2956	648	112	1635
Rail-lubricator.	M. W. Bird	763,537	June 28	3813	825	110	2928
Rail plate and fastener	W. V. Butterfield	763,153	June 21	3049	657	110	2140
Rail protector. Third.	H. F. Duffy	748,592	Jan. 5	73	20	108	18
Rail. Rack	E. A. Sperry	772,971	Oct. 25	3540	766	112	1781

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	De't.	Vol.	Page.
Rail safety-clamp	T. J. Harleman	760,737	May 24	4306	914	110	1015
Rail-sawing machine	H. B. Nichols	751,679	Feb. 9	1647	374	108	1487
Rail-splice	A. T. Palmer	771,889	Oct. 4	331	375	112	1031
Rail-splice	S. Wallwork	776,008	Nov. 29	5192	1096	113	1238
Rail splice or joint	J. H. Kline	773,755	Nov. 1	434	93	113	100
Rail-support	J. Chappuis	754,197	July 8	1924	428	109	443
Rail-support	L. Steinberger	759,787	May 10	2382	498	110	555
Rail-support	L. Steinberger	762,769	June 14	2289	499	110	1951
Rail-support	J. T. Shannon	763,640	June 28	3992	871	110	2366
Rail-support	W. Lovell	769,266	Sept. 6	251	59	112	54
Rail support. Third-	L. Steinberger	761,553	May 31	5896	1263	111	1379
Rail system. Third-	T. Jenkins	766,625	Aug. 2	994	208	111	1262
Rail system. Third-	L. M. La Barr	770,911	Sept. 27	3397	717	112	815
Rail systems. Collector for third-	A. K. Warren	761,432	May 31	5687	1210	110	1333
Rail systems. Switching or crossover device for traction-rack	J. H. Morgan	772,736	Oct. 18	3082	672	112	1662
Rail-tie	J. R. Hubbard	750,110	Jan. 19	3143	676	108	732
Rail-tie	C. A. Redinger	761,323	May 31	5486	1167	110	1286
Rail-tie	G. Gowen	764,940	July 12	3149	445	111	483
Rail-tie	J. Heitzel	773,035	Dec. 20	3127	688	113	2133
Rail-tie and fastener	J. T. Rohm	762,944	June 21	2656	575	110	2054
Rails. Attaching rail-bonds to	E. G. Thomas	772,189	Oct. 11	1969	435	112	1395
Rails. Contact device for under-contact third	F. R. Slater	763,435	June 28	3638	783	110	2292
Rails. Means for connecting	A. Albert	771,632	Oct. 4	928	209	112	1137
Rails. Renewing traction-	D. H. Lentz	753,409	Mar. 1	347	79	80	109
Rails, shafts, &c. Coupling device for	C. A. A. Chenu	760,307	May 17	3432	724	110	806
Rails, &c. Timber-joint for guard-	W. F. Spillman, Sr	763,933	June 28	4578	1000	110	2491
Rails to cross-ties. Means for securing track-	W. P. Phenix	777,136	Dec. 13	1344	297	113	1741
Railroading system	J. T. Richards	760,249	May 17	3331	701	110	784
Railway	T. M. Galbreath	749,609	Jan. 12	2157	451	108	505
Railway	S. E. Jackman	750,342	Jan. 19	3383	730	108	784
Railway	W. Lay	752,785	Feb. 23	3790	848	108	1935
Railway	A. J. Smithson	765,797	July 26	3828	816	111	872
Railway alarm-signal	E. C. Lawrence	776,728	Dec. 6	568	124	113	1532
Railway. Amusement	A. E. W. Frazier	771,056	Sept. 27	3688	777	112	873
Railway and controlling device therefor. Electric.	W. B. Potter	766,381	Aug. 2	470	101	111	1144
Railway apparatus	W. Jochimsen	765,487	July 19	3195	668	111	727
Railway apparatus. Electric.	G. T. Woods	762,792	June 14	2332	509	110	1962
Railway-barriers or the like. Electrical time cut-out for controlling	F. Neugebauer	772,368	Oct. 18	2848	515	112	1504
Railway-bed construction	R. E. Smith	762,207	June 7	1127	241	110	1684
Railway-bed construction	R. E. Smith	762,208	June 7	1127	241	110	1684
Railway block-signal and switch	W. F. Taylor, Jr.	748,815	Jan. 5	488	109	108	111
Railway block-signal system	W. M. Chapman	759,346	May 10	1569	818	110	376
Railway block-signal system	R. Tomlinson	765,320	July 19	2861	598	111	655
Railway block-signal system	R. E. Land	778,418	Dec. 27	3891	848	113	2315
Railway block-signal system. Electric.	H. W. Souder	774,897	Nov. 15	2672	574	113	632
Railway block-signaling system	C. T. Morey	770,769	Sept. 27	3104	659	112	750
Railway block switch and signal system. Electric.	T. F. Gaynor	769,214	Sept. 6	138	34	112	31
Railway block system	J. Morton	753,157	Feb. 23	4529	1009	108	2099
Railway block system. Automatic.	B. C. Rowell	770,657	Sept. 20	2894	615	112	686
Railway-bond	H. M. Bellows	778,002	Dec. 20	3067	674	113	2120
Railway-brake	F. Grégoire	750,028	Jan. 19	2991	641	108	700
Railway-brake	H. A. Spiller	753,929	Mar. 8	1437	323	109	381
Railway-brake	J. H. Graham	758,177	Apr. 26	3924	832	109	2338
Railway-brake	A. J. Dunmore and H. Bair	760,487	May 24	2673	778	110	876
Railway-brake apparatus	G. T. and L. Woods	753,825	Mar. 29	5092	1135	109	1177
Railway-brake apparatus	C. J. Fisher	759,667	May 10	2236	459	110	520
Railway-brake. Electric	L. L. Stamm	768,634	Aug. 30	5138	1073	111	2255
Railway-brake head and shoe therefor	C. W. Armbrust	752,877	Feb. 23	3980	691	108	1977
Railway brake mechanism. Inclined.	S. E. Jackman	749,691	Jan. 12	2320	490	108	538
Railway bridle-rod	A. H. F. Cottrill	758,421	Apr. 26	4424	950	109	2348
Railway-bumper	G. H. Kimball	759,113	May 3	1043	212	110	236
Railway cable-clip. Suspended-cable.	H. W. Reinhold	767,439	Aug. 16	2644	536	111	1662
Railway carriages, wagons, &c. Automatically coupling or uncoupling	J. Darling	756,217	Apr. 5	49	12	109	1353
Railway carriages, wagons, or such like vehicles. Automatic coupling for	A. A. Rose	772,376	Oct. 18	2692	518	112	1507
Railway cattle-guard	R. A. Dawson	750,524	Jan. 26	2913	848	108	918
Railway cattle-guard	J. L. Wells	762,854	June 14	2471	335	110	1992
Railway cattle-guard	G. W. Gwyn, J. Traylor, and H. R. Robbins.	767,748	Aug. 16	3332	681	111	1794
Railway cattle-guard	H. W. Freeman	770,361	Sept. 20	2341	493	112	564
Railway-chain	F. W. Pool	753,018	Apr. 19	3697	780	109	2150
Railway-coaches. Safety-coupling for electrical wires connecting	J. G. Thomas and D. E. Lewis	771,510	Oct. 4	575	129	112	1981
Railway coaling apparatus.	E. A. Raasch	763,206	June 21	3156	678	110	2166
Railway. Coasting or gravity	G. A. De Baun	775,702	Nov. 22	4411	931	113	1048

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Railway collisions. Device for preventing.....	C. Holtmann and J. F. Butler.....	757,191	Apr. 12	1956	457	109	1778
Railway conductor. Electric.....	A. Whittier.....	767,534	Aug. 16	2844	595	111	1708
Railway connecting-plates. Machine for burring ..	R. B. Charlton.....	766,137	July 26	4522	966	111	1023
Railway construction.....	W. Terrell.....	752,312	Feb. 16	2882	642	108	1719
Railway construction.....	L. and M. J. Beezer.....	756,814	Apr. 12	1201	268	109	1617
Railway construction.....	L. and M. J. Beezer.....	756,815	Apr. 12	1203	268	109	1617
Railway construction.....	L. and M. J. Beezer.....	756,816	Apr. 12	1203	268	109	1617
Railway construction.....	L. and M. J. Beezer.....	756,817	Apr. 12	1204	268	109	1617
Railway construction.....	W. Terrell.....	773,042	Oct. 25	3691	794	112	1813
Railway construction.....	I. W. Kifer and G. F. Miller.....	777,422	Dec. 13	1873	413	115	1857
Railway construction. Dock.....	E. W. Funk.....	758,743	Aug. 30	5361	1129	111	2304
Railway construction. System of.....	S. S. Elder.....	759,252	May 10	1388	277	110	337
Railway cross-tie.....	H. D. Leeking and J. K. Hartman.....	753,502	Mar. 1	523	121	109	115
Railway cross-tie.....	T. J. Kitto.....	754,458	Mar. 15	2504	545	109	582
Railway cross-tie.....	E. S. Keefey.....	758,368	Apr. 26	4317	927	109	2323
Railway cross-tie.....	W. F. Ellis.....	769,068	Aug. 30	6017	1260	111	2450
Railway cross-tie and clamp.....	E. Flora.....	767,878	Aug. 16	3503	741	111	1852
Railway-cross-tie-making machine.....	W. E. Martin.....	778,258	Dec. 27	3556	779	113	2244
Railway cross-tie. Metal.....	A. Newell.....	769,562	Sept. 6	825	176	112	186
Railway-crossing.....	F. W. Umbreit.....	750,913	Feb. 2	252	57	108	1113
Railway-crossing.....	A. M. Beall.....	751,602	Feb. 9	1512	344	108	1399
Railway-crossing.....	G. W. Willebrands.....	755,730	Mar. 29	4905	1092	109	1137
Railway-crossing.....	W. H. Funk.....	758,964	May 3	756	236	110	177
Railway-crossing.....	A. Rhodes.....	764,768	July 12	1787	366	111	407
Railway-crossing.....	R. Thompson.....	773,300	Oct. 25	4358	920	112	1908
Railway-crossing.....	W. J. Bazarek.....	775,551	Nov. 22	4104	863	113	982
Railway-crossing.....	G. W. Lancaster.....	777,424	Dec. 13	1876	414	113	1858
Railway-crossing appliance.....	W. J. Bell.....	765,265	July 19	2722	567	111	626
Railway-crossing. Automatic.....	G. A. Ritzler.....	772,061	Oct. 1	1709	381	112	1340
Railway crossing. Electric.....	A. A. Shobe and W. Embley.....	761,549	May 31	5885	1261	110	1377
Railway-crossing frog. Continuous.....	W. H. H. Elliot.....	768,171	Aug. 23	4170	1362	111	2090
Railway-crossing gate.....	M. J. Vernet.....	763,702	June 28	4129	900	110	2396
Railway-crossing gate.....	J. D. Young.....	766,923	Aug. 9	1651	346	111	1428
Railway-crossing signal.....	C. R. Hill.....	764,588	July 12	1414	347	111	336
Railway-crossing signal.....	W. J. Bell.....	765,264	July 19	2721	567	111	626
Railway-crossing signal.....	E. W. Vogel.....	771,029	Sept. 27	3636	766	112	868
Railway-crossing signal.....	D. L. Hoover.....	772,236	Oct. 11	3078	454	112	1422
Railway-crossing signal. Electric.....	T. C. Clark.....	762,686	June 14	2121	401	110	1918
Railway crossing. Street.....	H. Currence and I. MacIvor.....	763,341	June 21	3397	739	110	2217
Railway crossing. Street.....	H. M. Gleason.....	778,655	Dec. 27	4350	950	113	2415
Railway-crossing warning-signal.....	J. Crumley.....	750,264	Jan. 26	3426	740	108	812
Railway-crossings. Electrical signaling device for.....	J. F. Weinschenk and C. H. Blodgett.....	767,190	Aug. 9	2179	454	111	1542
Railway current-collecting device. Electric.....	A. A. Shobe and W. Embley.....	766,399	Aug. 2	510	108	111	1153
Railway current-collector. Electric.....	F. R. Slater.....	764,211	July 5	623	126	111	139
Railway danger-signal. Electrical.....	W. E. Karns.....	757,125	Apr. 12	1820	400	109	1745
Railway danger-signals. Electrically-operated stopping means at.....	W. L. Adamson.....	754,406	Mar. 15	2391	523	109	557
Railway diamond crossing.....	A. B. Ingram and T. Heard.....	764,726	July 12	1707	350	111	389
Railway draft-rigging.....	W. T. Van Dorn.....	746,388	Jan. 19	2712	580	108	641
Railway draw-head and air-coupling. Combined.....	L. Lecompte.....	749,900	Jan. 19	2734	585	108	646
Railway. Electric.....	C. J. Kintner.....	748,619	Jan. 5	115	29	108	26
Railway. Electric.....	C. J. Kintner.....	748,620	Jan. 5	121	30	108	28
Railway. Electric.....	L. W. Pullen.....	749,401	Jan. 12	1723	365	108	415
Railway. Electric.....	R. A. E. Huber and H. H. C. Behn-Eschenburg.....	754,565	Mar. 15	2714	590	109	628
Railway. Electric.....	T. D. Lovell.....	756,511	Apr. 5	628	136	109	1474
Railway. Electric.....	W. B. Potter.....	756,980	Apr. 12	1539	336	109	1682
Railway. Electric.....	D. J. Cable.....	757,264	Apr. 12	2082	454	109	1803
Railway. Electric.....	G. H. Fretts.....	757,906	Apr. 19	3387	733	109	2101
Railway. Electric.....	T. Mahoney.....	759,453	May 10	1778	359	110	422
Railway. Electric.....	T. D. Lovell.....	760,223	May 17	3283	689	110	772
Railway. Electric.....	W. R. Fearn.....	760,325	May 17	3469	730	110	814
Railway. Electric.....	H. N. Sporsborg.....	764,388	July 5	990	240	111	219
Railway. Electric.....	T. Mahoney.....	764,856	July 12	1971	407	111	447
Railway. Electric.....	F. Farnsworth.....	766,335	Aug. 2	392	88	111	1127
Railway. Electric.....	A. F. Batchelder.....	770,041	Sept. 13	1716	362	112	405
Railway. Electric.....	A. Churchward.....	771,533	Oct. 4	628	140	112	1083
Railway. Electric.....	G. H. Thomas and M. J. Stone.....	773,438	Oct. 25	4656	983	112	2381
Railway. Electric.....	R. C. Parsons, R. Belfield, and W. Chapman.....	776,681	Dec. 6	429	95	113	1523
Railway. Electric.....	J. della Mar.....	778,256	Dec. 27	3532	779	113	2243
Railway electric block-signaling and telephoning system.....	C. G. Otwell and I. H. Melvin.....	759,741	May 10	2328	465	110	543
Railway electric safety system.....	J. Hanna and C. S. Gilman.....	756,957	Apr. 12	1477	326	109	1673
Railway electric traction system.....	A. Meichel.....	755,905	Mar. 29	5254	1162	109	1216
Railway electrical-distribution system. Electric.....	J. H. Hallberg.....	777,091	Dec. 13	1256	277	112	1723
Railway electrical-distribution system. Electric.....	J. H. Hallberg.....	777,092	Dec. 13	1258	277	112	1723
Railway. Elevated.....	J. O. Raymond.....	764,766	July 12	1783	365	111	406

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Railway. Elevated and subaqueous	R. C. Sayer	766,392	Aug. 2	498	106	111	1150
Railway for logs, &c. Single-track elevated	A. E. Terry	751,960	Feb. 9	2305	107	108	1549
Railway-frog	A. A. Kimball and W. J. Conners	754,875	Mar. 15	8316	497	109	759
Railway-frog	J. N. Wolfinger	760,362	May 17	3525	742	110	827
Railway-frog	J. Ford	763,572	June 28	4458	970	110	2466
Railway-frog	D. F. Vaughan	765,526	July 19	3261	682	111	741
Railway-frog	V. Angerer	775,160	Nov. 15	3207	685	113	756
Railway frog and crossing	V. Schaefer	776,567	Dec. 6	822	177	113	1607
Railway frog and switch foot-guard	P. F. De Boy	759,161	May 3	1127	228	110	256
Railway-gate	T. S. White and M. M. Neal	755,263	Mar. 22	4015	890	109	926
Railway-gate	L. Trebert	757,367	Apr. 12	2307	504	109	1850
Railway-gate	G. W. Threlkeld	777,157	Dec. 13	1375	303	113	1748
Railway-gate	J. Lacy and S. W. Rogers	777,518	Dec. 13	2062	454	113	1897
Railway-gate	E. Whitaker	778,161	Dec. 20	3364	739	113	2185
Railway-gate. Automatic	C. W. Curd	753,676	Mar. 1	883	300	109	192
Railway-gate. Automatic	J. P. Fowler	758,518	Apr. 26	4605	991	109	2389
Railway-gate. Automatic	J. Walther	762,457	June 14	1646	355	110	1816
Railway-gate. Electrically-operated	M. Spinrad and H. Buechting	750,068	Jan. 19	3068	659	108	715
Railway-gate. Pneumatic	F. E. Wilson	766,405	Aug. 2	526	111	111	1156
Railway. Gravity	B. F. Floyd	766,105	July 26	4413	944	111	999
Railway grip. Cable	W. O. Gunkel	777,832	Dec. 20	3735	606	113	2059
Railway guard-rail clamp	F. C. Anderson	762,224	June 7	1158	248	110	1691
Railway hold-ups. Device for the prevention of	S. A. Kitchener	776,599	Dec. 6	262	58	113	1487
Railway. Inclined	S. E. Jackman	749,676	Jan. 12	3288	482	108	531
Railway. Inclined	S. E. Jackman	749,677	Jan. 12	3289	483	108	531
Railway interlocking system	B. C. Howell	770,656	Dec. 20	3890	615	113	686
Railway joint and chair	W. N. Hooper and T. J. Sunday	756,962	Apr. 12	1490	328	109	1675
Railway-joint fastening	W. H. Case	754,279	Mar. 8	2066	463	109	473
Railway-joint nut-lock	J. J. Richardson	762,656	June 14	2057	445	110	1904
Railway-motor. Electric	R. Siegfried	753,925	Mar. 8	1427	321	109	329
Railway or farm gate	E. D. Mills	763,499	June 28	3744	808	110	2314
Railway or other vehicle coupling	D. Roche	764,152	July 5	478	94, 95	111	103
Railway or other vehicles. Automatic coupling for	E. C. Gayer	766,289	Aug. 2	190	37, 38	111	1083
Railway or tramway. Monorail or like	C. Joly	769,611	Sept. 6	900	195	112	204
Railway or tramway points, &c. Shunting lever or device for operating	W. Taylor	765,604	July 19	3397	716	111	771
Railway or tramway rail	J. Bigwood	767,729	Aug. 16	3201	673	111	1787
Railway or tramway rail fastenings. Means for securing	J. E. Tonkin, W. Ames, and W. E. H. Nicolle	760,586	May 24	3969	844	110	944
Railway or tramway rolling-stock. Mounting of	C. T. M. V. de Bange	758,233	Apr. 26	4081	875	109	2260
Railway passenger-vehicle	G. Gibbs	777,624	Dec. 13	3285	501	113	1944
Railway. Pleasure	L. Beecher	750,246	Jan. 26	3392	733	108	803
Railway. Pleasure	J. H. Brown	762,022	June 7	795	162	110	1611
Railway. Pleasure	D. M. Riddle and B. F. Shuck	777,309	Dec. 13	1650	366	113	1809
Railway plow. Electric	J. H. Akers	754,832	Mar. 15	3329	703	109	740
Railway. Rack	R. Abt	749,142	Jan. 12	1201	257	108	295
Railway-rail	R. B. Guyan	749,183	Jan. 12	1290	277	108	316
Railway-rail	J. O. Schwartz and S. Neligh	751,110	Feb. 2	568	138	108	1188
Railway-rail	T. Boylan	751,872	Feb. 2	1109	251	108	1284
Railway-rail	M. E. Harrison	761,169	May 31	5181	1101	110	1222
Railway-rail	J. C. Allendorph	762,373	June 14	1470	320	110	1777
Railway-rail	J. Mander	763,992	July 5	137	23	111	36
Railway-rail	T. G. Aultman	768,577	Aug. 30	5014	1051	111	2227
Railway-rail and fish-plates therefor	S. E. McLean	770,439	Sept. 20	2469	523	112	591
Railway-rail and joint therefor	J. Mallat	748,764	Jan. 5	392	85	108	67
Railway-rail and rail-joint chair	R. Urbanitzky	750,736	Jan. 26	4345	938	108	1011
Railway-rail chair	J. B. Weaver	752,430	Feb. 16	3113	691	108	1768
Railway-rail. Compound three-part	W. J. Holman	758,651	May 3	82	17	110	22
Railway-rail connection	W. T. Brown and W. C. Watson	755,440	Mar. 22	4333	963	109	99
Railway-rail connection	G. J. Maringer	768,061	Aug. 23	3915	821	111	1902
Railway-rail connection	M. M. Genge and L. S. Conner	776,176	Nov. 29	5342	1129	113	1274
Railway-rail. Continuous	M. J. Cunningham and R. Jenkin	758,620	May 3	29	6	110	10
Railway-rail fastener	R. D. Burchill	750,345	Jan. 26	3583	776	108	849
Railway-rail fastener	G. W. Smith	763,245	Aug. 22	4316	908	111	880
Railway-rail fish-plate joint	W. F. Bossert (Reissue)	13,291	Aug. 23	5000	1049	111	2207
Railway-rail gages. Adjusting and holding	C. B. Voynow	771,402	Oct. 4	378	83	112	1037
Railway-rail joint	B. G. Riggs	749,449	Jan. 12	1862	387	108	438
Railway-rail joint	C. L. Pope	750,490	Jan. 26	3840	834	108	905
Railway-rail joint	W. R. Kanarr	750,859	Feb. 2	149	34	108	1090
Railway-rail joint	T. J. Dye	751,483	Feb. 9	1291	294	108	1351
Railway-rail joint	A. Barnes	754,913	Mar. 15	3380	739	109	773
Railway-rail joint	L. A. Sheldon	755,402	Mar. 22	4279	945	109	984
Railway-rail joint chair	A. Saunders and A. W. Wilmoth	763,075	June 21	2898	625	110	2107
Railway-rail. Metal	J. Coughlan	768,518	Aug. 23	4868	1021	111	2178
Railway-rail. Reversible	W. S. Corpman	759,969	May 17	2781	582	110	660
Railway-rail saddle-joint	T. H. Gibbon	759,694	May 10	2238	462	110	522
Railway-rail safety-support	W. Hall	766,184	Aug. 2	61	10	111	1055
Railway-rail spring	G. W. Smith	770,639	Sept. 27	3458	720	112	880
Railway-rail stay	E. Laas and H. H. Sponenburg	757,754	Apr. 19	3099	673	109	2037
Railway-rail stay	E. Laas and H. H. Sponenburg	758,978	May 3	786	158	110	182
Railway-rail stay	E. Laas and H. H. Sponenburg	760,129	May 17	3104	649	110	733
Railway-rail. Street	W. Bertling	765,764	July 26	3737	798	111	854
Railway-rails. Connecting-rail for alining	A. H. Mulliken	774,361	Nov. 8	1592	341	113	375

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Railway-rails. Device for applying fog-signals to, removing them from, and indicating their position on or off	T. Templeman and R. A. D. Gough.	777,451	Dec. 13	1930	426 427	113	1870
Railway-rails. Device for preventing the creeping and wandering of	E. Masik	754,881	Mar. 15	3325	725	109	761
Railway-rails from creeping. Means for preventing	J. D. Legge	756,248	Apr. 5	110	24	109	1365
Railway-rails from spreading. Device for preventing	J. D. Legge	756,247	Apr. 5	108	23	109	1365
Railway-rails or other conductors. Electric bond for	J. S. Alexander	760,947	May 24	4715	1004 1005	110	1103
Railway-rails to railway-ties. Clamp for connecting	P. Dyer	776,307	Nov. 29	5576	1182	113	1326
Railway road-bed	J. L. Silsbee	761,185	May 31	5203	1106	110	1226
Railway road-bed	C. W. Mackene	763,008	June 21	2766	600	110	2078
Railway road-bed construction	W. H. Swigart	755,810	Mar. 29	5069	1125	109	1172
Railway safety appliance	J. H. Finley	765,380	July 19	2956	618 619	111	676
Railway safety appliance	R. B. Williams	766,479	Aug. 2	693	1245	111	1191
Railway safety block-switch	C. E. Davis	756,101	Mar. 29	5640	1246	109	1299
Railway safety device	P. A. Sawyer	769,962	Sept. 13	1568	334	112	370
Railway safety device	G. G. Wacker	778,559	Dec. 27	4153	905	113	2371
Railway safety device. Electric	R. Gibbs	759,096	May 3	1006	205	110	228
Railway safety-signal	W. S. Klingenberg	762,726	June 14	2209	480	110	1935
Railway safety signal device	B. Etienne	770,569	Sept. 20	2737	577	112	649
Railway safety-stop	B. C. Rowell	776,146	Nov. 29	5279	1115 1116	113	1259
Railway safety system. Electric	C. J. Kintner	748,621	Jan. 5	133	31	108	30
Railway-sanding device	C. A. Albrecht	769,929	Sept. 13	1510	323	112	358
Railway. Scenic	C. D. Cooper	777,497	Dec. 13	2020	446	113	1889
Railway. Scenic pleasure	A. C. Morgan	755,158	Mar. 22	3814	843	109	886
Railway semaphore-signal	M. D. Hanlon	755,656	Mar. 29	4748	1057	109	1099
Railway-service safety device	E. B. Powers	748,649	Jan. 5	187	45	108	42
Railway-service safety device	E. B. Powers	750,781	Jan. 26	4443	938	108	1034
Railway-service safety device	E. B. Powers	752,101	Feb. 16	2469	551	108	1625
Railway shoe. Electric	H. Rosenfeld	755,391	Mar. 22	4265	942	109	981
Railway side-line sod-cutter	F. W. Gideon	765,829	July 26	3881	826	111	884
Railway-signal	J. K. Leedy	753,084	Feb. 16	2441	546	108	1619
Railway-signal	T. Brick	753,666	Mar. 1	865	196	109	187
Railway-signal	W. C. Miner	757,332	Apr. 12	2242	488	109	1836
Railway-signal	E. F. Ryman and E. W. Stevenson	758,855	May 3	544	110	110	129
Railway-signal	E. J. Reiph	759,310	May 10	1499	301	110	362
Railway-signal	J. W. Anderson, Jr.	759,652	May 10	2173	446	110	509
Railway-signal	J. P. Coleman	761,208	May 31	5246	1113	110	1236
Railway-signal	J. P. Coleman	763,540	June 28	3818	826	110	2329
Railway-signal	J. P. Coleman	769,058	Aug. 30	5998	1257 1258	111	2447
Railway-signal	A. J. Park	773,098	Oct. 25	3881	828	112	1858
Railway-signal	J. Crumley	773,718	Nov. 1	356	79	113	84
Railway-signal	C. R. Traxler	775,199	Nov. 15	3288	702 703	113	775
Railway-signal	S. D. Cushing	776,386	Nov. 29	5734	1213	113	1363
Railway-signal	F. L. Fuller and C. S. Banghart	778,356	Dec. 27	3759	819	113	2285
Railway signal apparatus	C. W. Coleman	758,297	Apr. 26	4173	900	109	2291
Railway signal apparatus	S. T. Show	767,014	Aug. 9	1810	380	111	1462
Railway signal apparatus	M. R. Brown	772,607	Oct. 18	2816	619	112	1605
Railway signal apparatus	H. Walheinke	776,629	Dec. 6	325	70	113	1501
Railway signal apparatus. Trolley	A. L. Chestham	755,156	Mar. 29	5720	1263	109	1317
Railway signal-circuits	E. W. Vogel	771,030	Sept. 27	3639	767	112	868
Railway-signal. Electric	W. V. Moak	750,296	Jan. 26	3484	754	108	825
Railway-signal. Electric	B. M. Kershner	765,140	Mar. 22	3767	834	109	890
Railway-signal. Electric	W. B. Ramsay	757,346	Apr. 12	2367	485	109	1842
Railway-signal. Electric	W. S. Jackson	758,594	Apr. 26	4737	1023	109	2423
Railway-signal. Electric	E. W. McGuire	759,543	May 10	1951	399	110	462
Railway-signal. Electric	R. J. Sheehy	761,853	June 7	489	99	110	1549
Railway-signal. Electric	W. C. Lamphier	773,080	Oct. 25	3830	818	112	1847
Railway-signal. Electrical	J. L. Dickey	773,065	Oct. 25	3797	811	112	1839
Railway-signal. Electrical operated and controlled	R. B. Peters	750,117	Jan. 19	3153	973 974	108	734
Railway signal or alarm	R. F. Stuart	758,485	Apr. 26	4531	973 974	109	2372
Railway signal system	W. A. Kibbe	770,757	Sept. 27	3079	654	112	744
Railway signal system	E. Renaud	771,270	Oct. 4	98	12	112	363
Railway signal system	C. J. Lee and M. H. Richardson	774,481	Nov. 8	1807	391	113	421
Railway signal system. Automatic	J. W. Shattuck	775,479	Nov. 22	3932	831	113	945
Railway signal system. Electric	C. P. Breese and A. J. Wilson	751,048	Feb. 2	487	114	108	1166
Railway-signals. Electrically-controlled automatic block system for operating	A. Oesterreicher	763,921	June 28	4551	993 995	110	2496
Railway signaling	F. B. de Chavannes	753,853	Mar. 8	1281	287	109	296
Railway signaling apparatus	F. F. Micky, F. T. Bailey, and J. J. Noppenberger.	749,939	Jan. 19	2822	608	108	664
Railway signaling apparatus	E. C. Carter	768,585	Aug. 30	5086	1056 1057	111	2232
Railway signaling apparatus	C. W. S. Turner	774,620	Nov. 8	2070	451	113	475
Railway signaling apparatus	J. T. Cade	775,797	Nov. 22	4581	971 972	113	1085
Railway signaling apparatus. Automatic	C. G. Mardorf	774,449	Nov. 8	1733	373	113	404
Railway signaling device	J. R. Marcheseault	750,991	Feb. 2	387	93	108	1143
Railway signaling device	J. O. Garrett	761,825	June 7	431	87	110	1535
Railway signaling device	R. Avery	777,060	Dec. 13	1203	263	113	1711
Railway signaling. Electric	S. M. Young	757,537	Apr. 19	2664	584	109	1941

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Railway signaling. Electric circuits and apparatus for	H. W. Spang	775,461	Nov. 22	3895	823	113	936
Railway signaling means.	H. A. Johnson	768,766	June 28	4243	924	110	2422
Railway signaling system.	H. Bezer	754,362	Mar. 8	2227	497	109	502
Railway signaling system.	H. Bezer	754,363	Mar. 8	2255	499	109	508
Railway signaling system.	M. A. Born	768,798	June 14	2346	500	110	1966
Railway signaling system.	G. W. Watkins and W. C. Bethel	768,788	Aug. 30	5428	501	111	2319
Railway signaling system.	F. Bongrand	769,813	Sept. 13	1294	512	112	312
Railway signaling system.	C. G. Ottwell and I. H. Melvin	773,415	Oct. 25	4609	973	112	2022
Railway signaling system. Automatic.	W. N. Owen	768,420	June 28	3613	778	110	2286
Railway signaling system. Electric.	E. Sera and F. Stolfi	775,736	Nov. 22	4468	945	113	1061
Railway signaling system. Electric.	M. A. Born	776,214	Nov. 29	5410	1147	113	1288
Railway-sleeper construction.	H. Bywater	770,349	Sept. 20	2321	489	112	559
Railway-spike.	I. Copeland	768,517	Aug. 23	4866	1020	111	2178
Railway-spike-lock.	E. C. Winters	751,707	Feb. 9	1818	414	112	273
Railway-spike-lock.	E. C. Winters	768,924	Aug. 30	5731	1204	111	2388
Railway-spike-lock.	H. H. Hunt	778,147	Oct. 25	4041	856	112	1898
Railway street-crossover.	F. A. Brewer	766,164	Aug. 2	14	3	111	1046
Railway stub-switch.	J. G. McKeown	769,107	Aug. 30	6092	1274	111	2467
Railway substructure.	S. E. Duff	768,730	Sept. 13	1182	312	112	373
Railway superstructures. Apparatus for controlling movable parts of	F. L. Dodgson	774,313	Nov. 8	1502	323	113	355
Railway. Surface-contact electric.	J. H. Guest	750,966	Feb. 2	347	83	108	1135
Railway-switch.	F. Bayless	750,334	Jan. 26	3564	771	108	845
Railway-switch.	W. L. Williams	750,925	Feb. 2	275	64, 65	108	1118
Railway-switch.	W. H. Braim	751,254	Feb. 2	905	206	108	1249
Railway-switch.	T. Eckard	751,387	Feb. 2	1138	257	108	1299
Railway-switch.	J. J. Hooper	751,916	Feb. 9	2115	477	108	1529
Railway-switch.	J. J. Murphy	751,988	Feb. 9	2283	510	108	1564
Railway-switch.	J. T. Evans	752,663	Feb. 23	3576	796	108	1887
Railway-switch.	W. K. Smith	752,718	Feb. 23	3676	819	108	1910
Railway-switch.	F. Uhtbrock	753,987	Mar. 8	1451	325	109	334
Railway-switch.	T. E. Gummerson	754,864	Mar. 15	3300	719	109	536
Railway-switch.	T. J. Houghton	753,495	Mar. 22	4485	988	109	1015
Railway-switch.	W. Wharton, Jr., and V. Angerer	756,088	Mar. 29	5608	1238	109	1292
Railway-switch.	H. B. Kleinhaus and J. N. Dalzell	758,974	May 3	780	156	110	180
Railway-switch.	J. B. Reibel	759,747	May 10	2339	488	110	545
Railway-switch.	W. S. Boyd, 3d.	760,054	May 17	2948	615	110	698
Railway-switch.	J. H. Clark	761,081	May 24	4908	1040	110	1142
Railway-switch.	J. A. Faulkner	762,158	June 7	1037	217	110	1664
Railway-switch.	F. T. Troutman and A. Gonzalez	764,126	July 5	514	101	111	114
Railway-switch.	J. E. Swanson	764,264	July 5	714	144	111	158
Railway-switch.	M. M. Fitzgerald	765,572	July 19	3342	702	111	757
Railway-switch.	R. S. Sheeley	765,718	July 26	3663	781	111	838
Railway-switch.	W. E. Grumbine and C. E. Beck	767,144	Aug. 9	2088	435	111	1523
Railway-switch.	C. Gushwa and O. D. Harper	767,518	Aug. 16	2811	588	111	1700
Railway-switch.	F. L. Maurer	768,187	Aug. 23	4200	841	111	1626
Railway-switch.	T. A. Bowen	768,507	Aug. 33	4850	1017	111	2174
Railway-switch.	W. S. Weston	768,969	Aug. 30	5815	1231	111	2407
Railway-switch.	M. Barnes	768,973	Aug. 30	5839	1224	111	2411
Railway-switch.	W. Wharton, Jr.	769,577	Sept. 6	847	181	112	192
Railway-switch, &c.	R. S. St. George-Moore	770,614	Sept. 20	2805	597	112	666
Railway-switch.	E. F. Davis	771,234	Oct. 4	26	5	112	967
Railway-switch.	H. Blanchard	772,998	Oct. 25	3585	776	112	1791
Railway-switch.	G. N. Wright	773,361	Oct. 25	4488	951	112	1995
Railway-switch.	S. F. Kates	775,904	Nov. 22	4784	1014	113	1127
Railway-switch.	J. Schilhan	776,692	Dec. 6	453	100	113	1528
Railway-switch.	G. M. Riley	777,977	Dec. 20	3027	666	113	5111
Railway-switch.	F. C. Carroll and T. Fleming	778,008	Dec. 20	3073	678	113	2121
Railway-switch.	A. J. Neafie	778,262	Dec. 27	3568	782	113	2346
Railway-switch.	F. Bayless	778,397	Dec. 27	3851	840	113	2306
Railway-switch adjuster. Automatic.	W. T. Harris	775,054	Nov. 15	3009	639	113	711
Railway switch and interlocking apparatus.	C. J. Coleman	770,865	Sept. 20	2131	448	112	512
Railway-switch and operating means therefor.	L. A. Lindsey, S. McConnell, and C. C. Hudson	779,385	May 10	1650	395	110	394
Railway switch and signal mechanism.	C. M. Hurst	764,292	July 5	769	158	111	170
Railway-switch. Automatic.	W. R. Murphy	751,668	Feb. 9	2020	457	108	1508
Railway-switch. Automatic.	W. C. Savy	754,392	Mar. 8	2342	512	109	562
Railway-switch. Automatic.	M. M. Whitfield	754,627	Mar. 15	2834	619	109	652
Railway-switch. Automatic.	U. A. Woodbury	758,401	Apr. 26	4373	940	109	2335
Railway-switch. Automatic.	U. A. Woodbury	758,490	Apr. 26	4550	978	109	2377
Railway-switch. Automatic.	C. Lee	777,960	Dec. 20	2985	655	113	2104
Railway-switch. Automatic.	R. I. Hill	778,782	Dec. 27	4567	1000	113	2463
Railway-switch. Electric.	J. G. Weniger	749,597	Jan. 12	2130	446	108	501
Railway-switch. Electric.	H. H. Chandler	752,834	Feb. 23	3878	869	108	1954
Railway-switch. Electric.	M. A. Marks, Jr.	756,870	Apr. 12	1304	291	109	1637
Railway-switch. Electric.	R. L. Borden	760,846	May 24	4517	963	110	1060
Railway-switch. Electric.	E. A. Gray and S. H. Brand	763,390	June 28	3540	702	110	2270
Railway-switch. Electric.	S. C. Gurdley	769,085	Sept. 6	1046	225	112	239
Railway-switch. Electrically-operated.	C. W. Burdlove and R. R. Grant	749,160	Jan. 12	1235	265	108	303
Railway-switch. Electromagnetic.	R. A. Baldwin	756,316	Apr. 5	244	50	109	1396

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Railway switch. Elevated.	J. Hughes.	775,300	Nov. 22	3544	747	113	857
Railway-switch, &c. Fluid-pressure-actuated.	G. W. Whiteman	768,822	June 28	4368	949	110	2447
Railway-switch foot-guard.	W. Sheridan	773,600	Nov. 1	125	36	113	84
Railway-switch lock.	A. A. Strom	774,004	Nov. 1	943	195	118	214
Railway-switch lock.	D. Boyle	778,788	Dec. 27	4481	981	113	2448
Railway-switch lock. Automatic.	C. Sulfer	759,934	May 17	2707	1568	110	643
Railway switch-lock. Automatic.	W. E. Harris	768,661	Aug. 30	5191	1099	111	2266
Railway-switch mechanism.	H. B. Nichols	759,996	Feb. 2	401	94, 95	108	1146
Railway-switch mechanism. Automatic.	W. E. Harris	761,046	May 24	4936	1046	110	1148
Railway-switch mover. Street.	S. C. Smith	778,806	Dec. 27	4624	1009	113	2476
Railway-switch-operating apparatus.	M. D. Hanlon	762,997	June 21	2735	1594	110	2071
Railway switch-operating device. Street.	H. T. Young	749,009	Jan. 5	908	192	108	212
Railway switch-operating device. Street.	H. S. Hale	769,900	Sept. 13	1447	1309	112	343
Railway-switch-operating means.	J. F. McCormick	773,762	Nov. 1	493	85	113	102
Railway-switch-point and operating means therefor. Electric.	A. J. Backer	750,060	May 3	936	190	110	213
Railway-switch safety-lock.	F. C. Anderson	770,949	Sept. 27	3474	733	112	834
Railway-switch shifter. Street.	J. W. Ady, Jr.	773,179	Oct. 25	4121	870	112	1917
Railway-switch slide-plate.	J. Carter	753,517	Feb. 16	3265	871	108	1801
Railway-switch stand operating a point-lock and distant signal.	E. M. Robinson	778,336	Dec. 27	3718	812	113	2277
Railway switch-stand operating point-locks and distant signals.	E. M. Robinson	759,634	May 10	2128	1438	110	499
Railway switch. Street.	W. J. Bell	748,688	Jan. 5	260	60	108	57
Railway switch. Street.	A. E. Caughey	763,043	June 21	2829	614	110	2092
Railway switches and signals by means of a single lever. Apparatus for directly operating	G. Bleyne and T. Ducouso	769,934	Sept. 13	1522	325	112	361
Railway-switches. Apparatus for moving or shifting.	L. H. Thullen	768,204	Aug. 23	4234	890	111	2034
Railway-switches. Electric signal-light for	J. McFell	769,486	Sept. 6	693	149	112	158
Railway switches or targets. Means for operating.	E. J. Gross	760,447	May 14	3699	738	110	883
Railway switching and signaling apparatus	J. D. Taylor	752,127	Feb. 16	2518	561	108	1636
Railway switching and signaling apparatus	J. D. Taylor	759,325	May 10	1539	308	110	360
Railway switching apparatus.	J. P. Coleman	764,043	July 5	254	47, 48	111	59
Railway switching apparatus.	J. P. Coleman	767,639	Aug. 16	3033	634	111	1750
Railway switching mechanism. Street.	W. J. Bell	774,373	Nov. 8	1609	346	113	379
Railway system.	H. B. Culbridge	751,883	Feb. 9	2046	463	108	1513
Railway system.	C. E. Voyanov and G. B. Taylor	768,920	Aug. 30	5722	1303	111	2280
Railway system. Electric.	W. G. Lowrie	748,872	Jan. 5	605	137	108	185
Railway system. Electric.	W. M. Eader	749,942	Jan. 5	982	208	108	229
Railway system. Electric.	T. Mahoney	755,899	Mar. 29	5244	1159	109	1214
Railway system. Electric.	G. L. Cragg	750,241	May 10	1364	272	110	331
Railway system. Electric.	G. L. Cragg	759,242	May 10	1366	272	110	331
Railway system. Electric.	G. L. Cragg	759,243	May 10	1367	272	110	332
Railway system. Electric.	G. L. Cragg	759,244	May 10	1370	273	110	333
Railway system.	H. G. Murphy	761,694	June 7	145	27	110	1470
Railway system.	W. E. Gudger	764,042	July 12	2151	445	111	483
Railway system. Electric.	W. G. Lowrie	771,785	Oct. 4	1112	249	112	1197
Railway system. Electric.	E. A. Sperry	772,679	Oct. 18	2950	647	112	1633
Railway system. Electric.	E. C. Morgan	772,730	Oct. 18	3050	1069	112	1657
Railway system. Electrical.	W. J. Alexander	776,871	Nov. 29	5700	1206	113	1356
Railway system. Elevated.	F. E. Wilson	759,792	May 10	2439	511	110	568
Railway-system safety device. Electric.	G. Gibbs	757,107	Apr. 12	1783	391	109	1737
Railway system. Third-rail electric.	756,757	Apr. 5	1078	240	109	1573	
Railway-tariff holder.	B. Briard and G. M. Bleh	764,036	July 5	244	45	111	57
Railway third rail. Electric.	P. T. McGowan	757,138	Apr. 12	1854	405	109	1774
Railway third rail. Electric.	J. Chesar	763,364	June 28	3482	752	110	2253
Railway third rail. Electric.	A. F. Chase	770,737	Sept. 27	3043	648	112	736
Railway third-rail guard. Electric.	V. M. Newman	760,643	May 24	4089	809	110	970
Railway third-rail system. Electric.	W. H. Kilbourn	764,042	July 5	677	138	111	151
Railway-tie	J. Horr	748,690	Jan. 5	92	24	108	22
Railway-tie	H. Brunson	749,163	Jan. 12	1247	268	108	306
Railway-tie	F. H. Kindl	752,455	Feb. 16	3154	702	108	1777
Railway-tie	A. W. Bascom	752,507	Feb. 16	3245	723	108	1797
Railway-tie	M. Bowman	752,753	Feb. 23	3735	832	108	1823
Railway-tie	J. G. Shuster	753,171	Feb. 23	4559	1016	108	2107
Railway-tie	G. Walberg	754,176	Mar. 8	1891	421	109	494
Railway-tie	W. W. Holston and O. L. Fisher	755,004	Mar. 22	3557	779	109	828
Railway-tie	S. B. Hoover	755,398	Mar. 22	3592	783	109	1015
Railway-tie	W. A. Nichols, Sr., and J. F. Neff	755,692	Mar. 29	4825	107	109	1120
Railway-tie	C. C. Grimes	757,037	Apr. 12	1662	360	109	1712
Railway-tie	F. A. Nichols and J. F. Neff	758,463	Apr. 26	4497	966	109	2364
Railway-tie	F. A. Delano and C. H. Cartridge	758,900	May 3	647	129	110	152
Railway-tie	J. Murphy	758,927	May 3	698	140	110	163
Railway-tie	F. M. Hiett	759,105	May 3	1018	207	110	231
Railway-tie	S. Hartenstein	759,175	May 3	1159	236	110	263
Railway-tie	E. A. Jacoby	760,336	May 17	3488	734	110	818
Railway-tie	C. D. Doyle	761,063	May 31	4973	1056	110	1178
Railway-tie	W. Payne	761,249	May 31	5391	1132	110	1254
Railway-tie	J. Booth	761,575	May 31	5394	1273	110	1380
Railway-tie	W. Bryson	762,132	June 7	989	205	110	1652
Railway-tie	L. J. Decker	762,617	June 14	1981	428	110	1886
Railway-tie	G. H. Kimball	762,688	June 14	2022	437	110	1896
Railway-tie	A. M. Bowman	763,538	June 28	3814	825	110	2329
Railway-tie	R. E. Spoor	765,050	July 12	2837	485	111	525
Railway-tie.	R. L. Rouis	765,101	July 12	2437	508	111	545

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Railway-tie.	L. G. and A. O. Dailey	765,563	July 19	3329	698	111	755
Railway-tie.	F. M. French	766,338	Aug. 2	3909	84, 85	111	1129
Railway-tie.	J. A. Guiler	767,145	Aug. 2	3989	435	111	1523
Railway-tie.	G. H. Kimball and J. Doyle	768,184	Aug. 23	4196	882	111	2325
Railway-tie.	R. R. Spoor	768,349	Aug. 23	4512	949	111	2094
Railway-tie.	W. Frazer	768,443	Aug. 23	4730	962	111	2149
Railway-tie.	G. W. Gulleddge	769,074	Aug. 30	6023	1262	111	2452
Railway-tie.	F. H. Alfred and P. Chipman. (Re-issue.)	12,206	Aug. 30	6157	1287	111	2481
Railway-tie.	D. C. Chipman and F. M. Reed.	770,224	Sept. 13	2040	431	112	477
Railway-tie.	V. Nelson and R. Nicholls.	770,604	Sept. 20	2787	592	112	662
Railway-tie.	J. A. Markli	770,690	Sept. 20	2960	629	112	702
Railway-tie.	S. S. Deemer	771,862	Oct. 11	1275	286	112	1246
Railway-tie.	C. D. Anderson	773,622	Nov. 1	164	36	113	42
Railway-tie.	A. J. Harlow	773,638	Nov. 1	199	44	113	48
Railway-tie.	F. W. Mettler	775,454	Nov. 22	3882	820	113	934
Railway-tie.	A. A. Kappenhagen	775,473	Nov. 22	3925	828	113	943
Railway-tie.	C. J. Swink	775,480	Nov. 22	4194	881	113	945
Railway-tie.	T. E. McCormick	776,342	Nov. 29	5648	1197	113	1342
Railway-tie.	J. Herr	776,396	Nov. 29	5753	1218	113	1367
Railway-tie.	W. W. Fowler	777,782	Dec. 20	2582	571	113	2024
Railway-tie.	R. B. Campbell	777,882	Dec. 20	2816	619	113	2071
Railway-tie.	V. E. Randall	777,920	Dec. 20	2906	639	113	2088
Railway-tie and anti-rail-spreader. Combined.	T. C. Thomas.	767,089	Aug. 9	1976	412	111	1500
Railway tie and brace. Steel.	H. C. Stout	775,049	Nov. 15	2973	633	113	703
Railway tie and chair.	J. J. Phillips	753,307	Mar. 1	171	39	109	40
Railway tie and chair. Combined.	J. L. Albee, Jr.	761,972	July 2	2301	455	111	2150
Railway tie and fastener.	J. R. Smith	758,115	Apr. 26	3883	81	111	1375
Railway-tie and rail-fastener. Metallic.	O. Grauberg	749,817	Jan. 19	2583	550	108	612
Railway-tie and rail-fastening. Combined.	J. Leightham	756,690	Apr. 5	888	194	109	1531
Railway-tie and rail-fastening. Combined.	J. W. Dowell and W. T. Morrison	769,064	Aug. 30	6011	1250	111	2449
Railway-tie and rail-fastening device. Combined.	J. T. Griffin	768,448	Aug. 23	4795	993	111	2150
Railway-tie. Composite.	J. J. Lucchesi	770,469	Sept. 20	2555	537	112	693
Railway-tie. Composite metallic and concrete.	C. Buhrer	761,872	June 7	528	145	110	1558
Railway-tie. Concrete.	L. and M. J. Beezer.	758,612	May 3	7	2	110	5
Railway-tie. Concrete.	L. and M. J. Beezer	758,613	May 3	9	2	110	5
Railway-tie. Concrete.	L. and M. J. Beezer	759,892	May 17	2565	535	110	610
Railway-tie. Concrete.	L. and M. J. Beezer	761,617	June 7	29	5	110	1442
Railway-tie. Metal.	J. Mallat	758,908	May 3	814	165	110	187
Railway-tie. Metal.	E. Wheeler	764,089	July 5	357	69	111	78
Railway-tie. Metal.	R. H. Stevens	765,603	July 19	3396	716	111	770
Railway-tie. Metal-and-concrete.	C. H. Quimby	767,240	Aug. 9	2271	474	111	1562
Railway-tie. Metal-and-wood.	R. W. Crawford	766,328	Aug. 2	3883	81	111	1375
Railway-tie. Metallic.	J. F. Teel	756,733	Apr. 5	1038	230	109	1564
Railway-tie. Metallic.	F. M. Hansen	757,111	Apr. 12	1790	392	109	1739
Railway-tie. Metallic.	H. W. Gander	759,263	May 10	1407	281	110	342
Railway-tie. Metallic.	S. H. Cauffman and J. Baldt.	759,609	May 10	2291	453	110	514
Railway-tie. Metallic.	D. E. Bosworth	768,008	Aug. 16	3813	736	111	1819
Railway-tie. Metallic.	E. W. Avery	768,839	Aug. 30	5564	1168	111	2349
Railway-tie. Metallic.	A. B. Keene	768,908	Aug. 30	5670	1233	111	2421
Railway-tie. Metallic.	E. M. Kenly	770,234	Sept. 13	2068	435	112	480
Railway-tie. Metallic.	W. E. Burgess.	770,259	Sept. 20	2119	446	112	510
Railway-tie. Metallic.	H. W. Avery	771,033	Sept. 27	3645	768	112	869
Railway-tie. Metallic.	H. W. Avery	771,034	Sept. 27	3646	768	112	870
Railway-tie. Metallic.	H. H. Ashlock	773,114	Oct. 25	3956	839	112	1878
Railway-tie. Metallic.	J. E. Bittkoff	773,186	Oct. 25	4184	873	112	1919
Railway-tie. Metallic.	P. F. McCall	773,666	Nov. 8	253	56	113	61
Railway-tie. Metallic.	L. O. Maves.	774,193	Nov. 8	1288	273	113	308
Railway-tie. Metallic.	C. F. Lufkin	774,484	Nov. 8	1816	393	113	423
Railway-tie plate	E. F. Peirce	751,201	Feb. 2	777	177	108	1223
Railway tie-plate	W. S. Jones.	754,654	Mar. 15	2893	632	109	664
Railway-tie plate	W. F. Gould	777,253	Dec. 13	1546	344	113	1785
Railway-tie seats. Apparatus for forming.	W. Goldie.	758,525	Apr. 26	4621	965	109	2393
Railway-tie spacer	E. N. Ten Eyck	766,851	Aug. 9	1501	314	111	1393
Railway-tie tamper	N. Ferguson	759,359	May 10	1611	324	111	869
Railway-track	W. Goldie.	758,523	Apr. 26	4616	964	109	2392
Railway-track	J. J. Andrew	770,450	Nov. 29	5864	1239	113	1393
Railway-track current-controller.	A. Oesterreicher	761,967	June 7	734	150	110	1599
Railway-track fastener	J. C. Hoshor	757,116	Apr. 12	1801	394	109	1741
Railway-track fastening	S. Aubry	778,213	Dec. 27	3460	761	113	2321
Railway-track foot-guard	A. A. Strom	769,880	July 1	1923	394	111	437
Railway-track gage	J. M. Waggoner	752,790	June 14	2312	504	110	1957
Railway-track guard-rail	A. Cortis	759,677	May 10	2212	455	110	517
Railway-track joint.	J. G. Greter	759,209	May 10	1423	283	110	345
Railway-track layer	E. S. Johnson	775,926	Nov. 29	4837	1024	113	1157
Railway-track-laying apparatus	G. F. H. Hicks.	752,678	Feb. 23	3600	803	108	1698
Railway-track-rail-supporting stringer	H. R. Keithley	768,229	Aug. 23	4290	902	111	2046
Railway-track-sanding device	G. Gioiosa	776,782	Dec. 6	629	138	113	1565
Railway-track securer	E. D. McGill.	756,267	Apr. 5	148	31	109	1373
Railway-track structure.	G. M. Ervin	762,342	June 14	1409	304	110	1765
Railway-track structure.	J. M. Ervin.	765,661	July 26	3537	747	111	815
Railway-track structure.	W. Wharton, Jr.	770,620	Sept. 20	2817	598	112	669
Railway-track structure.	J. M. and J. W. Kincaid	777,958	Dec. 30	2978	654	113	2108
Railway-track structure plate-fastener.	G. M. Ervin.	765,660	July 26	3540	748	111	815
Railway-track supporting device for bridges, &c.	J. M. Strauss	768,702	Aug. 30	5287	1111	111	2286
Railway-track switch. Electrically-operated.	G. H. Fretts	775,529	Nov. 22	4024	849	113	965
Railway-track tie-plate	J. Snider	768,156	Aug. 23	4146	872	111	2015
Railway track-wrench.	E. F. Miltenberger.	769,759	Sept. 13	1181	255	112	285

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Railway-tracks. Forming.....	W. Goldie.....	758,524	Apr. 26	4618	995	109	2392
Railway traction means. Street-.....	C. L. Varner.....	773,694	Nov. 1	3008	68	113	74
Railway traffic-controlling apparatus.....	C. J. Coleman.....	774,717	Nov. 8	2362	491	113	517
Railway-train alarm-signal.....	H. E. Butler and J. L. McCollum.....	732,822	Feb. 23	3874	869	108	1954
Railway-train braking system.....	J. A. Field.....	772,460	Oct. 18	2530	555 556 557	112	1544
Railway-train detonating signal.....	F. J. Errick.....	761,214	May 31	5260	1117	110	1338
Railway train-operated time-signal system.....	W. B. Severance.....	763,515	June 28	3766	813	110	2318
Railway-train telephone and signal apparatus.....	B. W. Speck.....	768,547	Aug. 23	4384	1033	111	2192
Railway-trains and for signaling purposes. Apparatus for stopping.....	B. A. J. Van der Hegge-Zijnen.....	754,359	Mar. 8	2218	495	109	501
Railway-trains. Apparatus for automatically stopping.....	H. G. Sedgwick.....	750,310	Jan. 26	3508	759 760 761	108	890
Railway-trains. Apparatus for automatically stopping.....	H. G. Sedgwick.....	766,774	Aug. 2	1308	277	111	1331
Railway-trains at danger-signals. Means for stopping.....	W. L. Adamson.....	757,711	Apr. 19	3008	653	109	2018
Railway-trains. System for preventing collisions, accidents, &c., by.....	F. Schmitt.....	753,636	Mar. 1	795	177	109	173
Railway transportation system.....	C. W. Baker.....	766,802	Aug. 9	1396	291 292	111	1371
Railway-vehicle.....	G. Gibbs. (Reissue).....	12,368	Sept. 20	3029	643 644	112	716
Railway-vehicles. Controlling apparatus for electrically-propelled.....	B. G. Lamme.....	765,185	July 19	2585	541	111	595
Railway-vehicles. Method of and means for applying or retracting brakes of.....	F. W. Gasmier.....	766,032	July 26	4266	913	111	967
Railway-wagon.....	J. T. Jepson.....	757,931	Apr. 19	3432	742 743 744	109	2111
Railway-wagon balance.....	N. Jeppsson.....	763,671	June 28	4059	884	110	2381
Railway wagon or truck.....	J. Shaw.....	751,113	Feb. 2	605	140	108	1119
Railway wagons, carriages, &c. Means for coupling.....	T. Warsop.....	751,583	Feb. 9	1479	335	108	1392
Railway water-column.....	A. K. Mansfield and G. G. Guy.....	763,063	June 21	2871	620 621	110	2102
Railways weed-destroyer brush.....	C. D. Smith.....	767,178	Aug. 9	2157	448	111	1537
Railways and switching systems embodying same. Combined third and traction rail for electric.....	E. C. Morgan.....	753,802	Mar. 1	1163	262	109	250
Railways. Automatic brake-applying device for.....	A. Meyer and C. P. Geritz.....	754,665	Mar. 15	2911	636	109	668
Railways. Automatic counterbalancing system for inclined.....	E. C. Morgan.....	772,733	Oct. 18	3069	671	112	1660
Railways. Automatic interlocking signal system for.....	B. C. Rowell.....	774,498	Nov. 8	1845	400 401	113	429
Railways. Automatic power cut-out for electric.....	H. F. Pieper.....	756,523	Apr. 5	653	140	109	1480
Railways. Automatic signaling system for electric.....	H. B. Snell.....	751,021	Feb. 2	440	104	108	1154
Railways. Automatic signaling system for electric.....	H. B. Snell.....	752,719	Feb. 23	3673	819 820	108	1910
Railways. Combined third and traction rail for electric.....	E. C. Morgan.....	753,803	Mar. 1	1165	263	109	250
Railways. Contact device for electrically-propelled.....	H. Berthoud.....	753,536	Mar. 1	618	140	109	135
Railways. Electrical conductor for electric.....	T. P. Chandler.....	772,456	Oct. 18	2522	553	112	1542
Railways. Guard-covering for third rails of electric.....	J. Kress.....	758,977	May 3	785	158	110	181
Railways. Ice-cutter for third-rail electric.....	S. B. Stewart, Jr.....	758,153	Apr. 26	3677	842	109	2328
Railways. Means for anchoring the combined third and traction rail of electric.....	J. H. Morgan.....	750,880	Feb. 2	194	45	108	1100
Railways. Means for cleaning the third rails of electrical.....	W. Chausse.....	757,050	Apr. 19	2900	631	109	1995
Railways or tramways. Conductor and collector for electric.....	D. Kempt.....	762,318	June 14	1360	292 293	110	1755
Railways or tramways. Contact-box and conductor for electric.....	D. Kempt.....	762,319	June 14	1362	293	110	1756
Railways. Signaling system for electrically-operated.....	L. B. Stillwell and H. Latey.....	771,027	Sept. 27	3632	765 766	112	867
Railways. Sleet-cutter and contact for electric.....	C. T. Leonard.....	772,282	Oct. 11	2163	472 473	112	1442
Railways. Staff system and apparatus for controlling traffic on single-line.....	E. W. Smith.....	776,207	Nov. 29	5393	1142 1143	113	1285
Railways. Surface-cleaning device for third rails of electric.....	M. C. Canfield.....	751,456	Feb. 9	1245	284	108	1340
Railways. Switching system for combined third and traction rails for electric.....	E. C. and J. H. Morgan.....	772,732	Oct. 18	3067	670	112	1659
Railways. Third rail for electric.....	L. G. Johnstone.....	751,175	Feb. 2	730	167	108	1214
Railways. Traction-rack rail for.....	E. C. Morgan.....	772,731	Oct. 18	3065	670	112	1659
Rain-gage.....	J. P. Friez.....	756,109	Mar. 29	5653	1248	109	1302
Rain-gage.....	F. Thomas.....	764,315	July 5	805	165	111	177
Raising and dropping mechanism.....	S. C. Smith.....	749,590	Jan. 12	2130	443	108	490
Raising or hoisting apparatus.....	E. Lorin.....	748,762	Jan. 5	389	89	108	87
Raising or lowering heavy bodies. Apparatus for.....	C. V. Fowler.....	749,898	Jan. 19	2730	584 585	108	645
Rake: See Dumping-rake. Push-rake. Hay-rake. Self-cleaning rake Horse-rake. Stalk-rake. Lawn-rake. Sweep-rake.							
Rake.....	M. Y. Warren.....	750,737	Jan. 26	4346	939	108	1011

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Rake	O. M. Walker	737,795	Apr. 19	3181	690	109	2056
Rake	H. O. Hart	763,885	June 28	4479	976	110	2471
Rake	M. F. McLoughlin	767,430	Aug. 16	2904	548	111	1692
Rake	P. A. Letendre	770,934	Sept. 20	2771	587	112	658
Rake	W. Cronk	774,990	Nov. 15	2846	607	113	674
Raker gage and jointer.	J. P. Olson	749,080	Jan. 5	1090	230	108	251
Ram. Hydraulic	G. H. Earle, Jr., and G. B. Shainline.	753,560	Mar. 1	664	149	109	147
Ram. Hydraulic	G. H. Earle, Jr., and G. B. Shainline.	755,467	Mar. 22	4393	973	109	1006
Ram. Hydraulic	J. M. Kline	758,259	Apr. 26	4086	884	109	2273
Ram. Hydraulic	E. H. Foster	767,516	Aug. 16	2808	885	111	1699
Range	K. G. Kronvall	749,304	Jan. 12	1544	398	108	371
Range	Q. Crane	763,541	June 28	3821	836	110	2329
Range-boilers. Gas heating attachment for	H. G. Schramm	775,781	Nov. 22	4554	966	113	1080
Range. Coffee	J. A. Forney	763,473	June 28	3700	798	110	2305
Range. Cooking	R. S. Lawrence	762,590	June 14	4125	415	111	1875
Range-finder	N. Tobin	770,833	Sept. 27	3267	683	112	733
Range-finding and sighting appliance for weapons	L. O. Beal	766,658	Aug. 2	1062	232	111	1276
Range. Gas	W. A. Mills and J. T. Fiske	768,390	Aug. 23	4633	969	111	2129
Range hot-water heater. Kitchen	P. H. Werner	748,899	Jan. 5	660	146	108	148
Range or stove plate	J. Magee	752,239	Feb. 16	2729	605	108	1686
Range-oven	G. Ott	759,188	May 3	1187	242	110	268
Range-reservoir. Detachable	W. J. Keep	765,140	July 12	2503	523	111	560
Range. Steam	H. J. Bishop	762,797	June 14	2344	511	110	1966
Range top burner. Gas	W. A. Gille	769,148	Sept. 6	12	5	112	5
Ratchet	C. F. Graeber	767,820	Aug. 9	2240	466	111	1555
Ratchet-and-pawl mechanism	M. Corry and R. F. Barker	776,219	Nov. 29	5423	1149	113	1291
Ratchet-drill	T. L. Pyburn	755,933	Mar. 29	5324	1174	109	1231
Ratchet-drill	L. M. Cooper	765,308	July 19	2816	587	111	646
Ratchet-drill	J. F. Hannigan	775,139	Nov. 15	3163	672	113	745
Ratchet mechanism	C. E. Mitchell	758,329	Apr. 26	4248	912	109	2309
Ratchet mechanism	P. A. Houghtaling	760,206	May 17	3255	683	110	765
Ratchet mechanism	A. Spangenberg	764,311	July 5	330	164	111	176
Ratchet mechanism	C. F. Dieckmann	775,357	Nov. 22	4129	866	113	986
Ratchet-tool	Z. T. Furbish	750,183	Jan. 19	3273	705	108	759
Ratchet-wrench	J. H. Dundon	755,466	Mar. 22	4391	973	109	1006
Ratchet-wrench	G. Freeland	755,569	Mar. 22	4565	1015	109	1044
Ratchet-wrench	G. Brauer	757,878	Apr. 19	3329	721	109	2088
Ratchet-wrench	S. A. Swilley	760,766	May 24	4360	927	110	1027
Ratchet-wrench	B. H. Morrison	763,105	June 21	2949	636	110	2118
Ratchet-wrench	H. E. Baker	765,762	July 26	3734	797	111	854
Ratchet-wrench	C. J. Coulter	765,816	July 26	3860	822	111	879
Ratchet-wrench	C. B. Gracey	768,220	Aug. 23	4268	898	111	2041
Razor	J. Guinan	757,656	Apr. 19	2909	633	109	1997
Razor	K. C. Gillette	775,134	Nov. 15	3152	670	113	743
Razor	K. C. Gillette	775,135	Nov. 15	3156	670	113	744
Razor blades. Temporary holder for safety	C. J. Warren	778,388	Dec. 27	3825	835	113	2300
Razor casing. Safety	A. W. Scheuber	759,475	May 10	1823	368	110	434
Razor. Folding safety	A. Formander	756,615	Apr. 5	806	174	109	1513
Razor frame. Safety	A. W. Scheuber	749,751	Jan. 19	2465	535	108	587
Razor frame. Safety	A. W. Scheuber	769,114	Aug. 30	6106	1277	111	2470
Razor-guard	J. Guinan	757,655	Apr. 19	2907	632	109	1997
Razor honing and stropping device	G. W. Mosby	759,626	May 10	2117	435	110	496
Razor. Safety	J. Biggin	753,636	Feb. 23	4325	961	108	2055
Razor. Safety	H. J. Gaisman	759,262	May 10	1403	281	110	340
Razor. Safety	H. J. Gaisman	764,574	July 12	1391	284	111	320
Razor. Safety	D. W. Gage	765,885	July 26	3982	849	111	907
Razor. Safety	M. A. Terry	766,471	Aug. 2	656	141	111	1183
Razor. Safety	M. A. Mills	770,767	Sept. 27	3102	659	112	749
Razor. Safety	E. B. Gibford	774,063	Nov. 1	1053	236	113	238
Razor. Safety	A. Müller	775,379	Nov. 22	3715	789	113	895
Razor. Safety	H. Herder	778,540	Dec. 27	4118	897	113	2364
Razor safety device	A. J. H. Leffevre	774,257	Nov. 8	1401	362	110	323
Razor-strop	C. A. Blasdel	776,213	Nov. 29	5409	1146	113	1288
Razor-strop dresser	T. J. Forde	753,060	Feb. 23	4366	972	108	2065
Razor-strop dresser	T. J. Forde	753,196	Feb. 23	4607	1026	108	2119
Razor-strops. Composition for	M. Waddell	755,589	Mar. 22	4604	109	109	1054
Razor-strops	V. D. Swihart	751,422	Feb. 3	1187	270	108	1309
Razor-stropper	A. H. Fleming	777,667	Dec. 23	4273	521	113	1979
Razor stropping and honing machine	H. Wilcox	749,467	Jan. 12	1903	395	108	448
Razor-stropping device	J. W. Bouchard	771,455	Oct. 4	463	105	112	1056
Razor-stropping device	J. W. Bouchard	772,286	Oct. 11	2189	474	112	1443
Razor-stropping machine	R. B. Brown	778,699	Mar. 3	181	38	110	43
Reading-stand	A. Howe	752,977	Feb. 23	4212	938	108	2030
Reamer	L. Werts	752,494	Feb. 16	3219	719	108	1790
Reamer	J. E. S. Taylor	752,724	Feb. 23	3690	822	108	1913
Reamer	E. C. Angell	761,055	May 3	4963	1032	110	1275
Reamer	A. S. Asf	765,222	July 19	2633	552	111	610
Reamer	J. Smith	777,154	Dec. 13	1370	302	113	1747
Reamer. Expansive	E. Cornelius	756,590	Apr. 5	764	166	109	1504
Reamer-evever	L. Krauss	748,754	Jan. 5	372	54	108	82
Reaper, mower, &c	H. T. Harper	758,967	May 3	770	154	110	178
Reaping-machine	J. Berglund	763,712	June 28	4149	904	110	2400
Receipt form or blank	E. K. Nadel	768,338	Aug. 23	4495	945	111	2091
Receptacle	W. Weise	752,735	Feb. 23	3708	827	108	1917
Receptacle	C. W. Erwin and C. M. Whitney	764,750	July 12	1384	282	111	319
Receptacle	R. Y. Bradshaw	766,587	Aug. 2	910	191	111	1241

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Receptacle	W. J. Connell	772,787	Oct. 18	3175	690	112	1681
Receptacle	P. H. Fielding	773,725	Nov. 1	367	81	113	87
Receptacle and attachment-plug	H. Krantz	739,456	Feb. 16	3154	708	108	1777
Receptacle, Bracket-supported	H. F. Keil	756,504	Apr. 5	617	134	109	1472
Receptacle closure, Metallic	J. C. Bowers	771,228	Oct. 4	14	3	112	963
Receptacle, Collapsible	L. S. Dudley and D. R. Bebout	778,641	Dec. 27	4329	945	113	2411
Receptacle cushioning attachment	A. C. Bundy	763,252	June 21	3298	699	110	2183
Receptacle, Delivery or shipping	H. C. Finley	756,612	Apr. 5	798	173	109	1511
Receptacle-fastener	C. M. Hunt	775,172	Nov. 15	3230	691	113	761
Receptacle, Folding	A. Greene	754,995	Mar. 22	3536	775	109	823
Receptacle, Folding	A. W. Wright	764,654	July 12	1569	319	111	359
Receptacle, Non-refillable	M. A. Sternfels and P. Reichenbacher	773,237	Oct. 25	4240	897	112	1942
Receptacle-stopper	E. C. Staudinger	769,775	Sept. 13	1213	261	112	292
Reciprocating engine	T. H. Phillips	762,755	June 14	2264	492	110	1946
Reciprocating engine	C. King	777,108	Dec. 13	1290	284	113	1729
Reciprocating motor, Double-acting	A. A. Landon	773,261	Oct. 25	4281	906	112	1951
Reclining-chair	F. Grover	770,852	Sept. 27	3388	692	112	790
Reclining-chair	E. Perry, Jr.	774,776	Nov. 15	2422	522	113	577
Reclining-chair	C. H. Bennett	778,526	Dec. 27	4099	898	113	2360
Recoil-check	J. F. Meigs and R. P. Stout	763,775	June 28	4265	929	110	2426
Recoil-check and recuperator, Combined	J. F. Meigs and R. P. Stout	771,829	Oct. 11	1206	209	112	1232
Record-leaf	E. W. Cruikshank	759,679	May 10	2216	436	110	518
Record medium	E. D. Casterline	766,666	Aug. 2	1081	225	111	1281
Record-preserving mount	A. P. Hoard	761,964	June 7	689	140	110	1590
Record, Unit	D. Townsend	756,739	Apr. 5	1049	233	109	1567
Recorder:							
See Buoy-recorder.	Telephone call-recorder.						
Cash-recorder.	Time-recorder.						
Electric recorder.	Water-stage recorder.						
Sale-recorder.							
Ship's distance-recorder.							
Recording and adding machine.	G. W. and A. L. Dudley	756,340	Apr. 5	264	61	109	1406
Recording and reproducing speech, &c. Apparatus for	E. E. Ries	773,985	Nov. 1	900	169	113	207
Recording device, Electrical	J. H. Johnson	758,756	May 3	355	71, 72	110	87
Recording-instrument record-sheet	W. H. Bristol	748,918	Jan. 5	697	153	108	158
Recording means, Key-operated	E. W. Crawford-Frost	760,851	May 24	4590	965	110	1063
Recording or checking device for the movements of watchmen or others.	A. Bopp	768,026	Aug. 23	3842	803	111	1944
Recording statistical data. Apparatus for	C. F. Pidgin	755,168	Mar. 22	3837	847	109	890
Red lake	W. Herzberg and O. Siebert.	770,430	Sept. 20	2457		112	558
Reducing and pointing machine. Automatic	E. W. Morehouse	769,662	Sept. 6	988	214, 215	112	225
Reducing and separating machine	E. B. Craven	752,044	Feb. 16	3368	539	108	1602
Reducing-mill.	H. W. Becht	757,433	Apr. 19	2447	534	109	1896
Reduction mill. Gradual	D. R. Morrison	766,278	Aug. 2	288	57, 58, 59	111	1104
Reed for weaving, &c. Compressed	G. E. Hoyle	768,855	Aug. 30	5593	1174	111	2356
Reed for weaving, &c. Compressed	G. E. Hoyle	769,389	Sept. 6	491	109	112	112
Reed, Free	J. R. C. Gale	756,952	Apr. 12	1468	324	109	1671
Reeding attachment for dresser-reels	A. Johnson and J. F. Geb	758,079	Apr. 26	3741	813	109	2195
Reel:							
See Cable tension-reel.	Fishing-reel.						
Chalk-line reel.	Hose-reel.						
Clothes-line reel.	Paper-reel.						
Fence-reel.	Planter-reel.						
Fish-line reel.	Winding-reel.						
Fish-line-drying reel.	Wire-reel.						
Reel	C. W. Stambaugh	764,389	July 5	991	201	111	220
Reel	C. P. Soares	765,304	July 19	2618	547	111	603
Reel and post-puller, Combined	C. Unsicker	776,627	Dec. 6	323	70	113	1500
Reel-support, Detachable	A. S. Baker	766,580	Aug. 2	897	188	111	1238
Reeling device	C. W. Levine	776,604	Dec. 6	273	60	113	1490
Reference device, Tabular	A. H. Merrill	762,546	June 14	1843	396, 397	110	1858
Refining-engine	J. H. Annandale	765,262	July 19	2716	595	111	625
Refining-engines. Apparatus for returning stock to	S. R. Wagg	763,818	June 28	4357	947	110	2443
Refining-furnace	R. Robinson	765,323	July 19	2846	595, 596	111	652
Reflector	E. L. Zalinski	756,194	Mar. 29	5780	1277	109	1328
Reflector	E. L. Zalinski	775,741	Nov. 23	4482	948	113	1064
Reflector-brushing machine	J. Bergman	774,131	Nov. 1	1173	251	113	265
Reflector for artificial lights. Shade	O. A. Mygatt	765,669	July 26	3602	766	111	829
Reflector, Lamp	O. A. Mygatt	762,926	June 21	2619	568	110	2946
Reflector, Light	A. J. Pardridge	752,583	Feb. 16	3380	756	108	1850
Reflector of prisms glass	H. M. Daggett, Jr.	750,820	Feb. 2	70	15	108	1073
Reflector, Prism-glass shade	O. A. Mygatt	776,079	Nov. 29	5158	1088	113	1230
Reflector-shade for artificial lights	O. A. Mygatt	763,698	June 28	4098	891	110	2388
Refractory material, Basic	O. A. Mygatt	768,400	July 28	3235	691	110	2389
Refractory material, Manipulation of	E. T. Macfarlane	757,821	Apr. 19	3226		109	2025
Refrigerating apparatus	E. Thomson	778,286	Dec. 27	3619	790	113	2256
Refrigerating apparatus	C. C. Palmer	761,701	June 7	158	30, 31	110	1473
Refrigerating apparatus	J. Patten	769,110	Aug. 30	6096	1275, 1276	111	2468

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Refrigerating apparatus for use in connection with fermenting operations. Automatic	W. von Rougemont.	768,772	Aug. 30	5408	1139	111	2314
Refrigerating appliances. Oil-separator for rotary	M. A. Audiffren	764,515	July 5	1245	256	111	272
Refrigerating-chamber support.	V. A. De Canio	764,923	July 12	3109	437	111	478
Refrigerating device. Air.	J. C. Witter	774,811	Nov. 15	3492	537	113	591
Refrigerating-machine.	J. C. Gossman	757,397	Apr. 12	2157	473	109	1819
Refrigerating-machines. Absorber for ammonia-absorption	R. J. Cracknell	775,936	Nov. 22	4767	1010	113	1124
Refrigerating purposes. Apparatus for producing cold air for	T. and W. L. Cole	761,448	May 31	5717	1217	110	1341
Refrigerating systems. Foreign-gas extractor for	F. W. Lauphler	768,379	Aug. 23	4614	966	111	2125
Refrigeration. Coil for stills for absorption.	N. W. Condict	772,339	Oct. 18	3277	499	112	1438
Refrigeration system.	C. J. Coleman	757,398	Apr. 12	2358	513	109	1860
Refrigeration system and apparatus.	C. J. Coleman	757,392	Apr. 12	2356	513	109	1859
Refrigerator	F. M. Vanneman	753,764	Mar. 1	1051	240	109	326
Refrigerator.	J. F. Horn	753,876	Mar. 29	5206	1151	109	1305
Refrigerator.	J. M. Doppel	756,004	Mar. 29	5458	1204	109	1261
Refrigerator.	R. R. Graf	757,911	Apr. 19	3395	736	109	2103
Refrigerator	C. Shamboo	759,028	May 3	877	178	110	201
Refrigerator	L. De Vaux	764,274	July 5	733	149	111	162
Refrigerator	M. H. Slater	764,777	July 12	1801	369	111	410
Refrigerator	F. W. Wheldon	767,321	Aug. 9	2406	505	111	1591
Refrigerator	A. Woodward	769,882	Sept. 13	1416	302	112	338
Refrigerator	E. S. Hemmenway	772,937	Oct. 25	3473	752	112	1765
Refrigerator	L. Perotti	774,450	Nov. 8	1744	375	113	407
Refrigerator	G. Geraci	777,895	Dec. 20	2846	626	113	2078
Refrigerator and soda-water apparatus. Combined	D. F. Harris and J. A. Hearin	752,546	Feb. 16	3320	739	108	1815
Refrigerator attachment	C. W. McClure	750,657	Jan. 19	3050	654	108	712
Refrigerator-attachment	A. J. Chaffin	777,072	Dec. 13	1234	271	113	1717
Refrigerator-box	B. S. Fryar	766,994	Aug. 9	1777	373	111	1455
Refrigerator-car	P. D. Ball	754,039	Mar. 8	1637	364	109	377
Refrigerator-car	J. S. Bashaw	758,406	Apr. 26	4383	942	109	2338
Refrigerator-car air-agitator	H. A. Turner	757,581	Apr. 19	2761	603	109	1064
Refrigerator drain-pipe attachment.	M. McNamara	756,397	Apr. 5	413	86	109	1432
Refrigerator drip-pan alarm	S. S. Lapointe	753,799	Mar. 1	1159	261	109	249
Refrigerator. Portable	E. Johns	770,969	Sept. 27	3514	741	112	843
Refrigerator-tube-holding machine	A. B. Kokernot	765,927	July 26	4057	867	111	923
Refrigerator. Well.	G. F. Charlesworth.	762,334	June 14	1484	323	110	1780
Refrigerator. Window.	H. C. McClung	767,232	Aug. 9	2259	471	111	1559
Refuse-burning furnace	T. C. Clark	774,936	Nov. 15	2752	594	113	650
Refuse-crematory	C. Force	774,871	Nov. 15	2826	564	113	621
Register.							
See Account-register.	Game-register.						
Autographic register.	Hot-air register.						
ter.	Laundry-register.						
Bank-register.	Meter-register.						
Billiard-register.	Note-register.						
Car-register.	Pressure-register.						
Car step-register.	Side-register.						
Cash-register.	Telephone-register.						
Cash and ticket register.	Telephone call-register.						
ister.	Telltale-register.						
Computing-register.	Toy cash-register.						
Electric register.	Wall-register.						
Fare-register.	Warm-air register.						
Floor-register.							
Register.	J. O. Morris	753,418	Mar. 1	376	88	109	82
Register.	F. R. Beal	753,535	Mar. 1	612	139	109	133
Register.	H. A. Niehoff	754,684	Mar. 15	2948	643	109	676
Register.	G. Rein	753,748	May 10	2341	488	110	545
Register.	R. A. Brown	762,982	June 21	2710	589	110	2066
Register.	M. H. Johnson.	765,342	July 19	2894	604	111	663
Register.	L. Linville	768,470	Aug. 23	4775	1001	111	2159
Register.	L. Ehrlich	769,896	Sept. 13	1434	307	112	341
Register.	I. S. Dement.	772,643	Oct. 18	2878	633	112	1618
Register.	F. K. Fassett	773,724	Nov. 1	363	81	113	86
Register.	J. O. Morris	773,806	Nov. 1	508	111	113	118
Register face-plate	H. J. Valentine	748,668	Jan. 5	213	52	108	47
Register face-plate	H. J. Valentine	748,669	Jan. 5	220	52	108	48
Register-hook	H. B. Rouse	771,834	Oct. 11	1217	270	112	1334
Register or counter	A. J. Gillespie	761,218	May 31	5365	1118	110	1239
Register roll-holder. Autographic	A. Krauth	772,943	Oct. 25	3482	755	112	1767
Register shutter mechanism	A. H. Woodward	778,524	Dec. 27	4096	893	113	2360
Register top plate	H. J. Valentine	749,116	Jan. 5	1140	242	108	263
Registering apparatus.	H. Hollerith	777,200	Dec. 13	1466	324	113	1767
Registering-lock	J. G. Ramey	771,092	Sept. 27	3758	792	112	895
Registering mechanism	J. G. W. Romans	760,487	May 24	3774	799	110	900
Registering mechanism	E. H. Palmer	764,069	July 5	309	60, 61	111	69
Registering mechanism	J. Schinneller	769,167	Sept. 6	94	24	112	32
Registering monetary transactions. Apparatus for	J. Frydman	764,449	July 5	1106	224	111	245
Registering-triangle	J. H. Dougherty	766,248	Aug. 2	168	31	111	1079

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Regulator:							
See Aerating-regulator.	Feed-water regulator.						
Automatic regula-	Fluid-pressure regula-						
tor.	tor.						
Automatic supply-	Gas-regulator.						
regulator.	Gas-light regulator.						
Cable tension-regu-	Gas-pressure regulator.						
lator.	Governor-regulator.						
Controller-regula-	Heat-regulator.						
tor.	Mercurial regulator.						
Current-regulator.	Metronome-regulator.						
Damper-regulator.	Mill feed-regulator.						
Draft-regulator.	Piston-travel regulator.						
Electric regulator.	Potential-regulator.						
Electric-circuit-reg-	Pressure-regulator.						
ulator.	Pump-regulator.						
Electric-current	Speed-regulator.						
regulator.	Steam-generator regula-						
Electrical regula-	tor.						
tor.	Temperature-regulator.						
Engine feed-regula-	Turbine-regulator.						
tor.	Turbine speed-regulator.						
Engine speed-regu-	Wind-wheel regulator.						
lator.	Windmill-regulator.						
Feed-regulator.							
Regulator	E. Honess	757,113	Apr. 12	1794	398	109	1740
Regulator	R. Conrad	775,332	Nov. 22	5746	794	113	903
Reicing-platform	C. W. Surplus	755,075	Mar. 22	3681	807	109	857
Rein-guard	J. B. Hill	751,509	Feb. 9	1335	305	108	1361
Rein-holder	J. N. Clapham	751,462	Feb. 9	1253	287	108	1342
Rein-holder	T. F. B. Claggett	755,273	Mar. 22	4081	894	109	929
Rein-holder	P. K. Barclay	735,990	Mar. 29	5425	1199	109	1254
Rein-holder	C. E. Chamberlin	736,581	Apr. 5	733	184	109	1502
Rein-holder	I. J. Sall and J. O. Nelson	764,773	July 12	1796	368	111	409
Rein-holder	D. C. Scott	765,297	July 19	2780	580	111	637
Rein-holder	T. Bond, Sr.	778,167	Dec. 30	3375	742	113	2186
Rein-support	W. Schluter	763,570	June 28	3870	836	110	2341
Rein-support	W. T. Jarboe	770,400	Nov. 20	5759	1219	113	1368
Reins. Driving-	G. H. Carlu	757,598	Apr. 19	2785	609	109	1969
Reinforce	J. F. Francis	767,932	Aug. 16	3602	762	111	1873
Relay	A. Carliss	752,613	Feb. 16	3467	774	108	1847
Relay	H. P. Clausen	753,956	Mar. 8	1488	334	109	1844
Relay	F. R. McBerty	762,398	June 14	404	309	110	764
Relay	B. S. Smith	769,332	June 21	3378	735	110	2213
Relay	F. R. McBerty and H. M. Crane	769,761	Sept. 13	1187	256	112	286
Relay	J. C. Barclay	770,951	Sept. 27	3477	734	112	834
Relay	T. A. Cassey	773,195	Oct. 25	4150	876	112	1923
Relay. Alternating-current	G. H. Pickard	749,399	Jan. 12	1738	308	108	414
Relay device	J. P. Downs	749,814	Jan. 19	2578	549	108	611
Relay. Electrostatic	D. la Cour	749,775	Jan. 19	2509	534	108	597
Relay for electric circuits. Time-limit	H. R. Stuart and A. B. Reyniers	751,571	Feb. 9	1439	331	108	1388
Relay. Megaplex	E. B. Galt	767,184	Apr. 12	1943	425	109	1775
Relay. Polarized	C. C. Rorty	753,913	Mar. 8	1413	319	109	826
Relay. Resonance	M. O. Pedersen	755,620	Nov. 22	4372	923	113	1041
Relay sound-magnifier	P. A. Hacker	751,982	Feb. 9	2272	508	108	1562
Releasing-die. Turret or screw machine	C. M. Smillie	767,842	Aug. 16	3433	726	111	1837
Remnant-table	C. E. Mitchell	749,799	Jan. 19	2534	542	108	606
Rendering or reducing apparatus	E. R. Edson	762,297	Nov. 29	5451	1154	113	1299
Renovator. Pneumatic	J. S. Thurman	759,141	May 3	1087	221	110	247
Rerailing-switch. Automatic	C. H. Quimby	767,241	Aug. 9	2273	475	111	1563
Resawing-machine	T. J. Mitchell	757,946	Apr. 19	3458	749	109	2117
Resawing-machine	R. H. Benner	759,589	May 10	2037	417	110	480
Reservoir-bottom and expansion-joint	W. N. Wight and F. E. Townsend	749,765	Jan. 19	2487	530	108	591
Resinous matter from long-leaf or pitch pine. Ex-	W. B. D. Penniman	764,863	July 12	1985	409	111	451
tracting							
Resinous substances. Production of.	G. Fry	754,298	Mar. 8	2124		109	483
Resistance-bar	R. Scott	770,660	Sept. 20	2899	617	112	687
Resistance. Shunt	G. W. Richmond	753,916	Mar. 8	1406	317	109	324
Resistance. Variable inductive.	T. B. Kinrade	777,290	Dec. 13	1613	358	113	1799
Resonator	J. F. Skirrow and C. Shirley	776,622	Dec. 6	314	68	113	1498
Respiratory apparatus for firemen or others	C. E. Chapin and A. A. Sherman	764,709	July 12	1678	349	111	882
Rest device	W. Schroeder	769,495	Sept. 6	706	152	112	161
Rest. Steady	C. H. Norton	762,550	June 14	1858	399	110	1861
Retapping or nut-sizing machine	P. Krepp	769,093	Aug. 30	6060	1268	111	2461
Retort	S. L. Hague	759,988	May 17	2825	591	110	671
Retort	H. Hirsch	769,058	June 7	857	176	110	1023
Retort	J. C. Mallonee	774,261	Nov. 8	1404	300	113	333
Retort	S. L. Hague	775,448	Nov. 22	3862	817	113	980
Retort-ld.	C. F. A. Hentschel	768,752	June 28	4221	920	110	2417
Reversing device. Electromagnetic	J. Riddell	732,598	Feb. 16	8397	758	108	1832
Reversing-engine	J. Fawell	766,498	Aug. 2	731	153	111	1300
Reversing means for machine-tools, &c.	W. C. Mitchell	755,517	Mar. 22	4474	994	109	1024
Reversing mechanism	F. J. Ball	749,516	Jan. 12	1999	416	108	468
Reversing mechanism	F. J. Ball	749,602	Jan. 12	2147	447	108	502
Reversing mechanism	A. Mead	757,331	Apr. 12	2241	488	109	1835
Reversing mechanism	H. Gansert	759,875	May 17	2604	545	110	620
Reversing mechanism	E. Johnson	761,839	June 7	454	92	110	1540
Reversing mechanism	C. F. Smith	765,346	July 19	2913	606	111	665
Reversing mechanism	F. C. Mudd	770,602	Sept. 20	2783	591	112	661
Reversing mechanism	E. H. Eshelman	774,837	Nov. 15	2554	549	113	604

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Reversing mechanism	J. H. Werner and S. Flory	778,615	Dec. 27	4270	931	113	2396
Reversing-switch	G. H. Hill	766,351	Aug. 2	422	89	111	1138
Revetment	R. B. McGregor	763,503	June 28	3750	809	110	2315
Revolver	D. B. Wesson	763,581	June 28	3890	845	110	2322
Revolver attachment	C. Holt	771,728	Oct. 4	988	221	112	1170
Revolver. Self-cocking	O. F. Mossberg	778,500	Dec. 27	4055	884	113	2350
Revolver. Self-cocking	O. F. Mossberg	778,501	Dec. 27	4056	884	113	2350
Revolving stand	C. E. Gehrken	776,232	Nov. 29	5464	1157	113	1314
Revolving-machine	E. E. Bradley	755,212	Mar. 23	3919	867	109	906
Rheostat	G. Graybill and J. P. Oden	751,634	Feb. 9	1574	357	108	1411
Rheostat	J. C. Barclay	753,533	Mar. 1	611	139	109	1331
Rheostat	L. Lyndon	754,660	Mar. 15	2901	634	109	666
Rheostat	C. R. Pitrat	754,692	Mar. 15	2972	648	109	682
Rheostat	A. C. Eastwood	755,468	Mar. 22	4395	973	109	1007
Rheostat	W. C. Yates and P. Zimmer	755,827	Mar. 29	5104	1132	109	1182
Rheostat	W. C. Yates	755,828	Mar. 29	5107	1132	109	1182
Rheostat	H. J. Wiegand	756,445	Apr. 5	516	107	109	1452
Rheostat	I. E. Storey	757,687	Apr. 19	3969	646	109	2010
Rheostat	W. C. Yates	758,164	Apr. 26	3839	845	109	2232
Rheostat	J. C. Barclay	759,797	May 10	2448	513	110	569
Rheostat	C. Wirt	764,651	July 12	1562	318	111	358
Rheostat	I. B. Smith	767,916	Aug. 16	3567	755	111	1866
Rheostat	I. B. Smith	768,199	Aug. 23	4235	888	111	2031
Rheostat	W. Baxter, Jr.	770,472	Sept. 20	2837	540	112	606
Rheostat	W. Baxter, Jr.	773,777	Nov. 1	450	101	113	192
Rheostat	M. Waddell	774,460	Nov. 8	1765	381	113	402
Rheostat	W. Christensen	776,454	Nov. 29	5571	1240	113	1307
Rheostat	H. H. Cutler	777,246	Dec. 13	1581	340	113	1781
Rheostat	W. L. Schmidt	777,439	Dec. 13	1908	421	113	1865
Rheostat	C. H. Keeney and C. A. Rhine	777,637	Dec. 13	2311	508	113	1950
Rheostat. Automatic	R. J. Louis	777,116	Dec. 13	1302	287	113	1732
Rheostat. Electric	R. W. Brown	767,880	Apr. 19	3331	751	109	2088
Rheostat. Starting	F. Mackintosh	769,619	Sept. 6	916	199	112	208
Rheostats. Contact-clamp for carbon	C. W. Larson	768,332	Aug. 23	4482	942	111	2088
Ribbon-clasp	D. W. Scott	766,736	Aug. 2	1223	259	111	1313
Ribbon-holder	A. H. Gardyne	765,276	July 19	2749	573	111	632
Ribbon into lace. Machine for inserting	J. A. Bergeron and L. Charlette	776,379	Nov. 29	5721	1211	113	1360
Ribbon-spool	J. A. Bedworth	754,116	Mar. 8	1788	398	109	411
Ribbon-winding device	E. S. Nordhoff	749,971	Jan. 19	2873	615	108	675
Rice-brushing machine	J. F. Dunlap	764,993	July 12	2235	462	111	505
Rice. Hulling	R. E. Kimball	758,664	May 3	112	24	110	29
Rice-hulling and decortivating machine	R. W. Welch	777,986	Dec. 20	3045	670	113	2115
Rice-hulling apparatus	R. E. Kimball	758,665	May 3	113	24	110	29
Rice-hulling machine	R. W. Welch	749,650	Jan. 12	2236	471	108	520
Rice-hulling machine	F. G. Dieterich	770,226	Sept. 13	2052	432	112	477
Rice-milling machine	J. F. Dunlap	764,992	July 12	2233	462	111	504
Rice-polishing machine	R. W. Welch	760,093	May 17	8025	631	110	716
Rice-polishing machine	R. W. Welch	767,459	Aug. 16	2689	565	111	1672
Rice-polishing machine	R. W. Welch	775,098	Nov. 15	3075	633	113	726
Ride back-sights. Wind-gage for	J. B. Thorncroft and M. G. Farquhar	777,329	Dec. 20	2328	643	113	2093
Rifle-cleaner	W. C. Buckelew and J. P. Flournoy, Jr.	753,189	Feb. 23	4587	1023	108	2114
Rifle-holder for mounted troops	J. H. Patterson	757,343	Apr. 12	3262	493	109	1841
Rifle. Repeating	R. C. Stevenson	749,463	Jan. 12	1893	394	108	446
Rifle-sight	J. T. Peddie	751,300	Feb. 2	775	177	108	1223
Rifle-sight	M. E. Sutherland	752,809	Feb. 23	3838	861	108	1945
Rifle-sight. Combination	C. Kiessig	766,447	Aug. 2	598	127	111	1171
Rifle wind-gage sight	J. T. Peddie	763,790	June 28	4306	936	110	2434
Ring:							
See Adjusting or packing ring.	Martingale-ring.				871	113	2389
Collector-ring.	Napkin-ring.				872		
Curtain-ring.	Packing-ring.						
Ear-ring.	Piston-ring.						
Finger-ring.	Shower-ring.						
Harness-ring.	Splanning-ring.						
Key-ring.	Splicing-ring.						
Lap-ring.	Towel-ring.						
Ring-making machine	Yoke-ring.						
Ring	O. S. Beyer	778,472	Dec. 27	4005	871	113	2389
Ring and listening key	A. M. Knudsen	750,288	Jan. 26	3469	751	108	822
Rinsing device	C. H. North	754,035	Mar. 15	3420	748	109	781
Rinsing-machine	W. H. Walter	763,647	June 28	4008	874	110	2369
Rivers, &c. Lining for beds and banks of	I. E. Palmer	766,464	Aug. 2	636	136	111	1178
Rivers. Raising subterranean	E. Fichet	763,171	June 21	3087	665	110	2149
Rivet	L. P. Priestedt	762,042	June 7	828	170	110	1616
Rivet	C. D. Harrington	749,438	Jan. 12	1890	383	108	430
Rivet	J. E. Rettig	732,588	Feb. 16	8396	758	108	1832
Rivet	D. G. Clark	772,029	Oct. 11	1640	367	112	1325
Rivet	G. L. Miller	775,728	Nov. 22	4457	943	113	1059
Rivet, bolt, &c. Expansion	J. M. Dodge	751,902	Feb. 9	2085	472	108	1523
Rivet, bolt, &c. mold	J. Bone and M. Reid	775,794	Nov. 22	4577	970	113	1084
Rivet-extractor	J. E. Conard	777,036	Dec. 6	1087	286	113	1668
Rivet-holder	E. F. Terry	748,816	Jan. 5	491	111	108	111
Rivet-holder	R. N. Graham	765,002	July 12	2249	464	111	507
Rivet-holder. Pneumatic	A. L. Hastings	763,887	June 28	4482	977	110	2471

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Rivet-making machine	C. W. Richards	766,064	July 26	4318	935 (929 927)	111	978
Rivet-marker	C. P. Eagle	766,677	Aug. 2	1111	231	111	1288
Rivet or marking-tag	L. J. Davis	772,138	Oct. 11	1849	411	112	1371
Rivet or stud. Tubular	G. H. Brabrook	777,987	Dec. 20	2944	647	113	2097
Rivet-routing tool	J. W. Robinson	780,154	May 17	3188	660	110	745
Rivet-set-locking device	W. C. Lippert	777,476	Dec. 13	1985	439	113	1882
Rivet-setting machine	A. T. Maenche	759,281	Mar. 1	123	29, 30	109	30
Riveted joint	P. Farley	771,236	Oct. 4	30	6	112	1067
Riveter set. Pneumatic	W. H. Van Sickle	773,770	Nov. 1	447	99	113	105
Riveting-machine	C. W. Blackstone	751,778	Feb. 9	1837	418	108	1465
Riveting-machine	M. C. Machado	758,263	Apr. 26	4094	886	109	2274
Riveting-machine	L. G. Glazier	775,215	Nov. 15	3342	713	113	786
Riveting mechanism	C. J. Carney and J. C. Gorton	776,110	Nov. 20	5210	1100	113	1248
Riveting-tool	J. W. Nelson	751,195	Feb. 2	767	175	108	1221
Road-bed	H. C. Freeman	771,365	Oct. 4	294	64	112	1024
Road-bed cleaner. Pneumatic	E. S. Hart	750,852	Feb. 2	137	31	108	1088
Road construction. Raking-tool for	W. C. Wegner	764,401	July 5	1009	205	111	224
Road-crossing device	F. L. Sessions	751,949	Feb. 9	2182	492	108	1543
Road. Dustless	J. R. Barr and J. Rees	768,457	June 28	3675	792	110	2300
Road-gate. Automatic	H. Kirch	770,758	Sept. 27	3086	654	109	74
Road making and repairing machine	A. Cameron	753,231	Mar. 27	307	6, 7	109	8
Road making and repairing machine	J. Krohn	753,277	Mar. 1	116	28	109	28
Road making and repairing machine	J. Krohn	759,680	May 10	2108	432 433	110	494
Road-making machine	E. L. Lathrop	749,617	Jan. 12	2169	455	108	507
Road-making machine	I. Ogden	750,432	Jan. 26	3828	831	108	902
Road-making material. Machine for cleansing and separating	J. J. Everson	769,156	Sept. 6	34	8, 9	112	10
Road or pavement	F. J. Nash	777,858	Dec. 20	2773	609	113	2063
Road or pavement	F. J. Nash	777,859	Dec. 20	2773	609	113	2063
Road or pavement	F. J. Nash	777,860	Dec. 20	2777	610	113	2064
Road or pavement	F. J. Nash	777,861	Dec. 20	2778	610	113	2064
Road-roller scraper	G. E. Townsend	776,037	Nov. 29	5078	1072	113	1213
Roads, &c. Making	L. S. Van Westrum	752,486	Feb. 16	3305	—	108	1788
Roads to alloy dust. Treating	H. B. Anderson	775,900	Nov. 29	4809	6, 7	113	1151
Roadways. Construction of switchback	H. Dutrieu	749,007	Jan. 12	2153	450	108	504
Roaster.							
See Chili-roaster. Coffee-roaster.							
Roasting and smelting furnace	H. Cockell and W. H. Fish	772,925	Oct. 25	3451	748	112	1761
Roasting-furnace	A. R. Meyer	750,877	Feb. 2	190	44	108	1099
Roasting-furnace	S. D. Craig, G. E. Kelly, and W. Turner.	754,199	Mar. 8	1927	439	109	441
Roasting-furnace	L. T. Wright	760,510	May 24	3823	811	110	912
Roasting-furnace	L. T. Wright. (Reissue)	12,254	Aug. 2	1392	290	111	1352
Roasting-furnace	O. Hofmann	768,748	Aug. 30	5367	1130 1131	111	2306
Roasting-furnace. Muffle	F. Meyer	761,691	June 7	139	25, 26 123	110	1469
Roasting or desulfurizing furnace	F. J. Falding	756,485	Apr. 5	586	125 126 127	109	1466
Roasting-pan and skeleton support. Combined	L. Reinhard	765,679	July 26	3569	750	111	892
Robe. Folding-cart	L. A. W. Bird	751,452	Feb. 9	1240	283	108	1339
Robe-holder	N. Livingston	777,523	Dec. 13	2068	456	113	1899
Rock and ore crusher	H. M. Sackett	758,280	Apr. 26	4134	893	109	2283
Rock-breaker	W. A. Merralls	751,532	Feb. 9	1374	313	108	1369
Rock-breaker	W. E. Wild	757,004	Apr. 12	1577	345	109	1693
Rock breaker and pulverizer	D. D. and J. O. Bailey	752,945	Feb. 23	4147	923	108	2014
Rock-breaking machine	T. B. Black	767,874	June 21	2522	546	110	2024
Rock-crusher	C. Wallace	773,107	Oct. 25	3935	836	112	1874
Rock-cuttings from holes in rock while drilling them. Ejecting	F. G. Leyner	756,972	Apr. 12	1512	333	109	1680
Rock-drill	F. L. Whitehead	766,564	Aug. 2	864	181	111	1230
Rock-drill	H. Deitz	768,894	Aug. 30	5667	1191 1192	111	2372
Rock-drill	W. Brady	769,465	Sept. 6	648	139	112	148
Rock-drill	T. E. Adams	773,112	Oct. 25	3953	838	112	1878
Rock-drill guide	H. F. Huntington	767,278	Aug. 9	2337	489	111	1576
Rock-drill. Power-driven	W. A. Box	748,693	Jan. 5	270	62	108	60
Rock-drill valve	J. J. Murphy	777,529	Dec. 13	2076	457	113	1900
Rock-drills. Electric sparking ignition apparatus for gas	T. V. Rice, Jr.	749,234	Jan. 12	1586	335	108	381
Rock-drilling engine	L. Durkee	761,153	May 31	5144	1093 1094	110	1213
Rock-drilling machine	A. Fauck	748,712	Jan. 5	300	67	108	66
Rock-drilling machine	S. W. Brothers	752,819	Feb. 23	3865	867	108	1951
Rock-drilling machine	C. Gillfron	771,625	Oct. 4	810	178	112	1310
Rock-drilling machine	L. S. Pfouts	776,613	Dec. 6	286	63, 64	113	1493
Rock-drilling-machine cores. Apparatus for rinsing	J. Brejcha	766,588	Aug. 2	911	192	111	1241
Rocking-shoe	C. A. Williamson	755,423	Mar. 22	4316	955 889	109	991
Rocking-chair	J. P. Hokans	763,667	June 28	4053	883	110	2380
Rocking-chair. Invalid	B. M. Owen	754,088	Mar. 8	1732	386	109	397
Rocking-chair with air apparatus	M. Friedland	757,447	Apr. 19	2469	540	109	1900
Rocking-horse	J. L. Rively	775,192	Nov. 15	3278	700	113	773
Rocking-horse. Traveling	A. Hettel	775,725	Nov. 22	4451	941 942	113	1058
Rocket	T. Lloyd	753,151	Feb. 23	4519	1007	108	2097

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Rod:							
See Car curtain-rod.	Leveling-rod.						
Connecting-rod.	Piston-rod.						
Curtain-rod.							
Rod-bending machine	W. J. Kurtz	775,774	Nov. 22	4538	963	113	1077
Rod connection	C. H. Knobbs	763,676	June 28	4071	386	110	2384
Rod-coupling	L. M. McGehee	762,245	June 7	1195	287	110	1699
Rod-coupling	J. Taylor	763,080	June 21	2307	627	110	2109
Rod-grasping arm or handle.	H. H. Huff	757,195	Apr. 12	1964	428	109	1779
Rod or wire reeling or coiling device	V. E. Edwards	760,323	May 17	3462	729	110	812
Rods or wire. Apparatus for handling coiled bundles of	J. R. George	755,473	July 19	3169	662	111	721
Rodent-killing machine	G. R. Jack	756,370	Apr. 5	363	74	109	1421
Roentgen-ray apparatus. Spark-gap for	J. T. H. Dempster	756,941	Apr. 12	1445	320	109	1666
Roentgen-ray tube	E. Thomson	773,837	Nov. 1	550	120	113	127
Roentgen-ray tube	E. Thomson	774,118	Nov. 1	1154	246	113	261
Roentgen tube	C. H. F. Muller	772,666	Oct. 18	2324	641	112	1627
Roll-corrugating-machine attachment for automatically setting the rolls.	D. S. Anthony	776,212	Nov. 29	5405	1146	113	1287
Roll. Expandible	J. H. Breck	763,251	June 21	3237	699	110	2183
Roll-holder	J. Barry	754,420	Mar. 15	2414	528	109	562
Roll materials. Locking-holder for	C. F. Cramer	774,937	Nov. 15	2754	591	113	650
Roll-pinion mechanism	J. Kennedy	775,142	Nov. 15	3170	673	113	747
Rolls, &c. Adjusting mechanism for	P. Knecht	750,864	Feb. 2	156	36, 37	108	1091
Roller:							
See Awning-roller.	Land-roller.						
Conveyer-roller.	Maiting-roller.						
Drawing-roller.	Massage-roller.						
Farm-roller.	Shade-roller.						
Grain-drill feed-roller.	Spread-roller.						
Guide-roller.	Spring-roller.						
Watch-roller.							
Roller-coaster	G. A. McLaughlin	757,487	Apr. 19	2555	560	109	1916
Roller-coaster carriage	O. R. Whittemore	759,053	May 3	924	187	110	211
Roller-die	C. H. Such and T. Heath	761,792	June 7	365	74	110	1521
Roller-frame	A. L. Sessions	755,055	Mar. 22	3640	799	109	847
Roller-frame	A. L. Sessions	755,056	Mar. 22	3641	799	109	847
Roller-mill feed mechanism	J. J. Gerard	775,350	Nov. 22	3654	774	113	884
Roller-screen	F. M. Spiegle	766,541	Aug. 2	813	171	111	1219
Roller-screen	M. F. Hutchison	767,644	Aug. 16	3063	639	111	1756
Rolling apparatus. Ring-	G. W. La Voo	751,861	Feb. 9	2011	455	108	1506
Rolling black plates or sheets	G. W. Bray	767,731	Aug. 16	3203	674	111	1788
Rolling helicoids or spiral conveyers. Machine for	C. O. Gustavsen	760,448	May 24	3701	783	110	884
Rolling machine. Metal-	P. Blondel	763,952	July 5	6	533	111	4
Rolling machine. Wheel-	F. P. Bates	757,432	Apr. 19	2444	534	109	1895
Rolling metal plates	A. J. Maskrey	751,801	Feb. 9	1882	428	108	1476
Rolling-mill	C. von Philip	749,745	Jan. 19	2454	532	108	584
Rolling-mill	R. D. York	752,743	Feb. 23	3719	820	108	1919
Rolling-mill	D. H. Lentz	753,408	Mar. 1	343	78, 79	109	77
Rolling-mill	J. D. Swindell	759,326	May 10	1529	307	110	368
Rolling-mill	J. R. George	759,984	May 17	2819	590	110	669
Rolling-mill	V. E. Edwards	760,858	May 24	4538	967	110	1065
Rolling-mill	V. E. Edwards	766,434	Aug. 2	579	123	111	1166
Rolling-mill	J. Saudner	767,314	Aug. 9	2396	501	111	1589
Rolling-mill	R. C. Stiefel	774,795	Nov. 15	2458	531	113	584
Rolling-mill	R. C. Stiefel	774,796	Nov. 15	2461	532	113	585
Rolling-mill conveyor or catcher	C. Scholtz	759,557	May 10	1978	404	110	468
Rolling-mill feed mechanism	S. V. Huber	764,850	July 12	1958	403	111	445
Rolling-mill feed mechanism	C. W. Bray	767,730	Aug. 16	3202	674	111	1787
Rolling-mill feed-table	S. V. Huber	761,733	Feb. 9	1757	390	108	1450
Rolling-mill guide	W. Buntun	774,035	Nov. 1	967	210	113	226
Rolling-mill leading-spindle and coupling	M. M. Suppes	768,201	Aug. 23	4230	807	111	2033
Rolling-mill rolls. Apparatus for moving rails, &c., in relation to	F. Mills	763,307	June 21	3336	723	110	2204
Rolling-mill shaft-coupling	M. M. Suppes	768,202	Aug. 23	4231	880	111	2033
Rolling-mill table	S. V. Huber	773,257	Oct. 25	4275	904	112	1950
Rolling mill. Tube-	J. H. Nicholson	769,709	Sept. 13	1093	234	112	266
Rolling of metal tubes. Automatic mechanism for step-by-step	R. Laybourne, C. W. E. Marsh, and B. Price	774,087	Nov. 1	1101	235	113	249
Rolling pipe-couplings, &c. Machine for	H. W. and J. A. Hock	748,948	Jan. 5	763	165	108	173
Rolling tubing	R. C. Stiefel and J. H. Nicholson	770,195	Sept. 13	3002	423	112	467
Roof-anchoring device	W. Small	777,441	Dec. 13	1914	422	113	1866
Roof. Building	O. J. Wilder and H. Vanderveen	756,736	Apr. 5	1076	239	109	1573
Roof-carline	G. B. Maitby	773,954	Nov. 1	847	178	113	195
Roof-covering	J. H. Munro	769,663	Sept. 6	992	215	112	226
Roof-covering. Sheet for	W. H. Bache	754,273	Mar. 8	3077	460	109	472
Roof-flashing for vent-pipes	J. Bropson	766,137	July 26	4475	958	111	1013
Roof-framing tool	J. W. Morrison	770,770	Sept. 27	3108	659	112	751
Roof-joint. Sheet-metal	J. H. McEvoy	749,943	Jan. 19	2831	604	108	667
Roof-repairing apparatus. Shingled	L. S. Boulter	768,009	Aug. 16	3814	796	111	1919
Roof. Saddle	C. Loehle	768,325	Aug. 23	4489	944	111	2090
Roof-sheathing	T. F. Odell	776,198	Nov. 29	5376	1138	113	1281
Roof slate or tile support	P. Duchemin	757,285	Apr. 12	2154	465	109	1813
Roof snow-guard	W. W. Parry	756,884	Apr. 12	1328	256	110	1624
Roof. Tile	W. C. Mitchell	777,058	Dec. 6	1197	201	113	1694

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Roof. Tiled.	W. Ludowici.	772,363	Oct. 18	2340	514	112	1502
Roof valleys. Means for covering tile.	W. Ludowici.	754,578	Mar. 15	2749	599	109	633
Roofs and sides of buildings. Device for attaching flexible materials to.	F. S. Howard.	757,193	Apr. 12	1960	428	109	1779
Roofs. Laying.	J. H. Munro.	769,624	Sept. 6	924	200	112	210
Roofing.	J. H. Munro.	756,180	Mar. 29	5760	1272	109	1325
Roofing. Metallic.	J. Williams.	762,220	June 7	1151	247	110	1690
Roofing or flooring. Flexible.	L. C. Rugen and H. Abraham.	775,635	Nov. 22	4282	905	113	1022
Roofing or siding.	F. W. Terpening.	767,723	Aug. 16	3190	669	111	1754
Roofing-plate. Cement.	H. Baden and W. Glüss.	753,188	Feb. 23	4586	1023	108	2114
Roofing. Prepared.	S. R. Holland.	753,982	Mar. 8	1534	341	109	354
Rooms. Apparatus for protecting the audience parts of.	B. A. Stevens.	774,002	Nov. 1	940	195	113	214
Roost. Poultry.	F. C. Jahnke.	775,603	Nov. 22	4210	886	113	1006
Rope-clamp.	F. L. Doty.	756,104	Mar. 29	5647	1246	109	1301
Rope-clamp.	A. M. Marsh.	762,075	June 7	892	184	110	1631
Rope-clamp.	O. A. Giltner.	772,798	Oct. 18	3196	695	112	1686
Rope-clamper. Automatic.	N. H. Fults.	769,475	Sept. 6	669	144	112	152
Rope-clamping device.	J. Leightam.	755,019	Mar. 22	3533	787	109	894
Rope-drive apparatus.	G. H. Reynolds.	761,401	May 31	5634	1199	110	1321
Rope-drum engine.	H. N. Covell.	765,659	July 26	3534	745	111	814
Rope-fastener.	H. Gartelman and P. E. Schnitzer.	770,062	Sept. 13	1746	369	112	411
Rope-fastener.	J. Leightam.	778,253	Dec. 27	3547	778	113	2241
Rope-grab.	J. Carney.	753,233	Mar. 1	33	8	109	9
Rope-haulage socket.	G. W. Minto.	754,580	Mar. 15	2765	602	109	637
Rope-holding device.	A. M. Seyster.	756,418	Apr. 5	460	95	109	1441
Rope-machine.	J. Good.	775,550	Dec. 6	67	16, 17	113	1439
Rope or cable clamp.	J. P. Krebs.	778,048	Dec. 20	3157	694	113	2138
Rope or cable grip for haulage purposes.	J. Aspinall.	758,496	Apr. 26	4562	980	109	2380
Rope-socket.	C. Peters.	761,396	May 31	5629	1198	110	1320
Rope-tie.	L. F. Ramsey.	750,783	Jan. 26	4447	958	108	1035
Ropes. Apparatus for automatically greasing hoisting or hauling.	P. Macadam.	762,329	June 14	1384	289	110	700
Rosette.	A. P. Seymour.	768,242	Aug. 23	4314	908	111	2051
Rosette-covers. Device for removing.	F. L. Bryant.	748,923	Jan. 5	707	155	108	106
Rotary engine.	P. A. Anderson.	748,832	Jan. 5	524	119	108	119
Rotary engine.	A. Guindon.	748,861	Jan. 5	533	133	108	132
Rotary engine.	C. W. Allen.	749,713	Jan. 19	3276	502	108	567
Rotary engine.	W. I. Cooley.	750,169	Jan. 19	3249	701	108	754
Rotary engine.	W. S. Chapman.	750,188	Jan. 19	3278	707	108	760
Rotary engine.	W. von Pittler.	750,219	Jan. 19	3334	720	108	772
Rotary engine.	F. J. Waters.	751,584	Feb. 9	1480	335	108	1393
Rotary engine.	J. E. Shearer.	751,694	Feb. 9	1677	380	108	1433
Rotary engine.	V. Ericson.	751,842	Feb. 9	1972	448	108	1495
Rotary engine.	W. F. Roach.	751,872	Feb. 9	2027	459	108	1509
Rotary engine.	E. F. Taylor.	752,602	Feb. 16	3439	768	108	1841
Rotary engine.	E. F. Taylor.	752,603	Feb. 16	3443	769	108	1842
Rotary engine.	E. F. Taylor.	752,604	Feb. 16	3447	770	108	1842
Rotary engine.	M. E. Knight.	752,784	Feb. 23	3788	846	108	1934
Rotary engine.	C. P. Mains.	753,085	Feb. 23	4412	981	108	2075
Rotary engine.	J. J. Horan.	753,262	Mar. 1	33	23, 24	109	23
Rotary engine.	A. Groves, Sr.	753,388	Mar. 1	300	69, 70	109	70
Rotary engine.	T. D., J. C., and H. A. Prescott.	753,735	Mar. 1	994	226	109	214
Rotary engine.	F. P. and B. F. Uhrig.	753,763	Mar. 1	1048	239	109	225
Rotary engine.	A. F. Ford.	753,790	Mar. 1	1143	257	109	246
Rotary engine.	O. Williams.	754,081	Mar. 8	1621	361	109	373
Rotary engine.	C. MacArthur and F. Smith.	754,153	Mar. 8	1844	411	109	424
Rotary engine.	A. C. Ackerman.	754,183	Mar. 8	1901	412	109	436
Rotary engine.	O. De Champ.	754,283	Mar. 8	2092	464	109	475
Rotary engine.	H. Berglund.	754,411	Mar. 15	2401	525	109	559
Rotary engine.	H. Nielsen.	755,161	Mar. 22	3821	526	109	888
Rotary engine.	F. A. Franzén.	755,759	Mar. 29	4977	1107	109	1150
Rotary engine.	T. P. Butler.	756,210	Apr. 5	30	7	109	1349
Rotary engine.	R. Hazelrigg.	756,362	Apr. 5	351	71, 72	109	1419
Rotary engine.	H. A. Benson.	756,508	Apr. 5	723	156	109	1495
Rotary engine.	C. H. Jolliffe and A. Coulthard.	756,646	Apr. 5	853	184	109	1523
Rotary engine.	F. Stephan.	756,904	Apr. 12	1376	185	109	1632
Rotary engine.	A. Guindon.	757,455	Apr. 19	2481	343	109	1902
Rotary engine.	J. S. Davis.	757,894	Apr. 19	3363	726	109	2005
Rotary engine.	M. E. Knight.	758,321	Apr. 26	4230	908	109	2305
Rotary engine.	C. J. Rowe.	759,315	May 10	1504	302	110	363
Rotary engine.	A. B. Chapman.	759,419	May 10	1723	349	110	410
Rotary engine.	S. M. Wade and G. E. Garner.	759,779	May 10	2404	502	110	560
Rotary engine.	W. G. Fritz.	760,441	May 24	3684	730	110	879

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Rotary engine	H. E. Marlett	760,464	May 24	3733	790	110	891
Rotary engine	T. W. Nordenfelt	761,095	May 31	5045	1070	110	1192
Rotary engine	H. B. Turner	761,341	May 31	5515	1175	110	1298
Rotary engine	P. Lecomte	761,512	May 31	5821	1244	110	1364
Rotary engine	E. C. Warren	761,799	June 7	377	76,77	110	1523
Rotary engine	W. C. Nicola	762,016	June 7	785	160	110	1609
Rotary engine	A. T. Stimson	762,448	June 14	1622	352	110	1810
Rotary engine	H. W. Swanson	763,336	June 21	3385	736	110	2214
Rotary engine	H. T. Dunn	763,865	June 28	4440	967	110	2462
Rotary engine	L. H. Cobb	763,963	July 5	29	6	111	9
Rotary engine	J. Jahn, Jr.	763,982	July 5	106	17	111	31
Rotary engine	D. F. Smith	764,013	July 5	191	34	111	46
Rotary engine	H. Chapman	764,040	July 5	250	46,47	111	58
Rotary engine	J. Mohr	764,066	July 5	297	58	111	67
Rotary engine	C. A. McCallister	764,067	July 5	300	58	111	67
Rotary engine	C. W. Allen	764,097	July 5	374	71,72	111	82
Rotary engine	H. H. Liemke	764,247	July 5	682	139	111	152
Rotary engine	C. Hendricks	764,464	July 5	1132	231	111	250
Rotary engine	C. Hendricks	764,465	July 5	1136	231	111	251
Rotary engine	W. H. Bot, Jr.	764,551	July 12	1345	273	111	311
Rotary engine	W. G. Nicola	764,736	July 12	1785	361	111	402
Rotary engine	W. Wyand	765,759	July 26	3730	796	111	852
Rotary engine	A. Carville	766,421	Aug. 2	553	117	111	1161
Rotary engine	W. M. Hoffman	766,696	Aug. 2	1147	238	111	1296
Rotary engine	W. D. Labadie	766,707	Aug. 2	1166	242	111	1301
Rotary engine	L. E. Stetler	766,912	Aug. 9	1619	341	111	1420
Rotary engine	J. J. O'Brien	768,884	Aug. 30	5651	1188	111	2369
Rotary engine	C. Hendricks	769,082	Aug. 30	6034	1264	111	2454
Rotary engine	J. M. Powell	769,183	Sept. 6	87	22	112	20
Rotary engine	W. M. Byrd	770,890	Sept. 27	3357	708	112	806
Rotary engine	G. V. Anderson	771,113	Sept. 27	3798	802	112	904
Rotary engine	P. H. Hendrickson	771,245	Oct. 4	51	12,13	112	972
Rotary engine	M. A. Stogsdill and E. J. Schatz	771,587	Oct. 4	725	160	112	1113
Rotary engine	G. G. Welsh	771,593	Oct. 4	739	165	112	1116
Rotary engine	J. H. Putnam	771,938	Oct. 11	1433	326	112	1278
Rotary engine	C. W. Akers	772,265	Oct. 11	2131	465	112	1434
Rotary engine	J. A. Long and P. F. Dunn	772,726	Oct. 18	3051	608	112	1655
Rotary engine	W. A. E. Henrici	772,882	Oct. 18	3347	729	112	1720
Rotary engine	A. M. Krueger	773,649	Nov. 1	213	47	113	52
Rotary engine	A. L. Estes	774,056	Nov. 1	1041	223	113	235
Rotary engine	E. Anderson and N. W. Fletcher	774,547	Nov. 8	1942	421	113	449
Rotary engine	W. Beaumont	774,551	Nov. 8	1950	423	113	450
Rotary engine	A. Carville	774,979	Nov. 15	2945	607	113	673
Rotary engine	J. T. Early	775,212	Nov. 15	3338	712	113	785
Rotary engine	V. Beinger	775,413	Nov. 22	3789	801	113	914
Rotary engine	J. W. Pickel	775,420	Nov. 22	3824	820	113	923
Rotary engine	F. F. Norden	775,632	Nov. 22	4272	902	113	1019
Rotary engine	C. F. Heinze	776,058	Nov. 29	5112	1082	113	1220
Rotary engine	J. A. S. Becker	776,376	Nov. 29	5714	1209	113	1359
Rotary engine	I. Severance	776,431	Nov. 29	5823	1232	113	1383
Rotary engine	J. Thode	776,438	Nov. 29	5839	1235	113	1387
Rotary engine	F. C. Francisco	776,658	Dec. 6	381	83	113	1513
Rotary engine	B. F. Augustine	776,882	Dec. 6	549	182	113	1613
Rotary engine	F. M. Lechner	777,035	Dec. 6	1153	251	113	1684
Rotary engine	W. Wyand	777,360	Dec. 13	1762	391	113	1832
Rotary engine	W. F. R. Mist	777,384	Dec. 13	1800	401	113	1842
Rotary engine	E. S. Higgins	777,417	Dec. 13	1866	412	113	1856
Rotary engine	W. I. Phifer	777,692	Dec. 20	2410	530	113	1987
Rotary engine	S. Mackin	777,968	Dec. 20	2967	657	113	2107
Rotary engine	V. Filteau	778,408	Dec. 27	3872	844	113	2311
Rotary engine	E. Buchholtz	778,630	Dec. 27	4304	940	113	2403
Rotary engine. Compound	D. C. Wiest	778,091	Dec. 20	3234	711	113	2155
Rotary engine. Elastic fluid-pressure	J. A. Torrens	768,919	Aug. 30	5720	1202	111	2386
Rotary engine. Explosive	M. Beck	771,037	Sept. 27	3050	769	112	870
Rotary explosive engine	B. Banta and C. Mathews	749,054	Jan. 12	2245	474	108	521
Rotary explosive engine	D. V. Bagwell	759,953	May 17	2740	575	110	650
Rotary explosive engine	C. E. Shumway	765,407	July 12	2332	484	111	324
Rotary explosive engine	W. I. Spangler	778,082	Dec. 20	3218	708	113	2132
Rotary gas-engine	L. D. Tolliver	769,363	Sept. 6	449	101	112	90
Rotary generator	J. Delizy	769,891	Sept. 13	1431	306	112	341
Rotary heater or cooler	T. L. Valerius	755,193	Mar. 22	3889	857	109	901
Rotary kiln and drier. Combined	C. A. Matcham	755,513	Mar. 22	4464	991	109	1021
Rotary mold	J. C. Davis	767,928	Aug. 16	3594	780	111	1871
Rotary motor	J. M. Benjamin	748,690	Jan. 5	262	60	108	58
Rotary motor	H. Van Beresteijn	750,914	Feb. 2	253	57,58	108	1113
Rotary motor	T. Eastmoore	756,606	Apr. 5	788	171	109	1509
Rotary motor	J. Nielsen	758,214	Apr. 26	3991	803	109	2252

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Rotary motor	H. Van Berestein	763,525	June 28	3784	817	110	2322
Rotary motor	J. Pattinson	763,789	June 28	4304	935	110	2433
Rotary motor	M. M. Conger	767,307	Aug. 9	2214	461	111	1549
Rotary motor	N. W. Fletcher	770,522	Sept. 20	2640	559	112	629
Rotary motor	L. S. Craddock	770,712	Sept. 20	2999	637	112	709
Rotary motor	A. A. Ewald	775,297	Nov. 22	3540	743	113	856
Rotary motor	C. O. Deutschmann	776,387	Nov. 29	5736	1213	113	1363
Rotary motor	J. Osvetimsky	777,302	Dec. 13	1688	364	113	1805
Rotary motor	J. M. Benjamin	777,832	Dec. 20	2700	594	113	2048
Rotary screen	F. A. and E. A. Bonham	760,098	Feb. 17	3034	638	110	718
Rotary screen	W. H. Baxter	772,381	Oct. 18	2265	446	112	1486
Rotary steam-engine	W. J. Richmond	749,703	Jan. 12	2342	495	108	542
Rotary steam-engine	H. C. Mitchell	754,672	Mar. 15	2924	638	109	671
Rotary steam-engine	A. E. Suiter	759,571	May 10	2000	409	110	473
Rotary steam-engine	W. F. Leibenguth	773,401	Oct. 25	4574	965	112	2014
Rotary steam-engine	F. J. Mulligan	775,984	Nov. 29	4979	1050	113	1189
Rotary switch	R. T. Johnston	761,769	June 7	297	59	110	1504
Rotatable wheel with backward brake. Freely-	J. J. Weiler	765,945	July 26	4087	875	111	930
Rotating parts. Supporting device for rapidly-	O. Ohlsson	765,098	July 12	2309	479	111	520
Rotative motor	P. Exline	763,868	June 28	4550	969	110	2465
Rouge. Impregnating cloth with.	J. E. Darby	760,616	May 24	4093	110	857	
Roundabout.	753,043	July 23	4108	965	112	332	
Roundabout.	J. Armitage	763,352	July 26	4098	876	111	932
Roundabout.	C. D. Daniels and R. F. Yourtee	769,690	Sept. 13	1058	227	112	258
Roundabout.	J. C. Scoggins	770,121	Sept. 13	1852	393	112	435
Roundabout.	F. S. di Vito	773,831	Nov. 1	559	121	113	129
Route-indicator	T. E. Knauss	774,255	Nov. 8	3198	296	113	332
Routing-machine clamp	V. Royle	756,098	Mar. 29	5544	1223	109	1279
Roving-can	E. Andrews	757,082	Apr. 12	1729	375	109	1726
Roving-guide traverse-motion	L. Owea	770,440	Sept. 20	2470	524	112	591
Roving-machine	E. J. Taylor	773,170	Oct. 23	4105	868	112	1913
Rubber. Apparatus for treating raw	J. E. C. Danin	763,167	July 19	2559	534	111	570
Rubber-article-forming machine	C. E. Longden	763,682	June 28	4081	888	110	2386
Rubber article having necks or projections. Hollow.	I. F. Kepler	768,944	Aug. 30	5170	1212	111	2397
Rubber articles. Making hollow	I. F. Kepler	762,063	June 7	866	178	110	1625
Rubber bag-bodies. Making	I. F. Kepler	761,830	June 7	563	112	110	1265
Rubber-bag body	I. F. Kepler	763,945	Aug. 30	5172	1212	111	2397
Rubber boot or shoe	H. C. Mason	777,683	Dec. 20	2397	527	113	1984
Rubber boots or shoes. Vulcanizing india.	A. D. Field	768,550	June 28	3836	830	111	2333
Rubber bulb, ball, or analogous article. Hollow	I. F. Kepler	768,943	Aug. 30	5168	1212	111	2397
Rubber bulbs or other articles having necks or projections. Making hollow	I. F. Kepler	762,064	June 7	869	179	110	1625
Rubber. Calendering or friction-coating fabrics/	P. M. Matthew	761,520	May 31	5832	1247	111	1366
Rubber compound	W. F. Hogan	765,973	July 26	4149	917	110	944
Rubber-dam clamp	F. H. Fries	748,977	Jan. 5	836	177	104	194
Rubber-dam holder	A. J. Price	770,695	Jan. 26	4227	917	103	983
Rubber-dam holder and cutter	F. R. Nice	760,800	May 24	4433	943	110	1042
Rubber from vulcanized-rubber waste. Reclaiming.	F. A. Kõneman	776,187	Nov. 29	5359	1135	113	1278
Rubber-gasket-making machine	W. E. Harthan	763,538	June 28	3846	838	110	2335
Rubber heels. Making	R. E. Foster	777,633	Dec. 13	2350	517	113	1958
Rubber-like gum	M. G. Brownell	752,951	Feb. 23	4158	927	108	2016
Rubber-like gum	M. G. Brownell	752,952	Feb. 23	4159	927	108	2016
Rubber-like material	R. A. Leigh	752,988	Feb. 23	4230	948	108	2033
Rubber nipples. Spindle for forming	C. E. Longden	772,161	Oct. 11	1918	425	112	1344
Rubber or other sap-yielding trees. Device for grooving or tapping	C. A. Sanborn	755,248	Mar. 22	3983	884	109	1020
Rubber or other sap-yielding trees. Device for grooving or tapping	C. A. Sanborn	776,691	Dec. 6	452	100	113	1527
Rubber products. Apparatus for preparing, handling, and vulcanizing tires or other	E. C. Shaw	758,864	May 3	566	114	110	134
Rubber products. Apparatus for preparing, handling, and vulcanizing tires or other	E. C. Shaw	758,865	May 3	578	114	110	139
Rubber. Reclaiming and regenerating	L. T. Petersen	774,727	Nov. 8	2820	501	113	335
Rubber. Regenerating vulcanized	R. B. Price	762,843	June 14	2433	532	110	1989
Rubber sheets or strips. Machinery for preparing	G. F. Ackerman	768,801	Aug. 30	5662	1190	111	2371
Rubber-soled leather boot or shoe	G. F. Butterfield	772,027	Oct. 11	1638	367	112	1324
Rubber-soled shoe and welt therefor	G. F. Butterfield	772,026	Oct. 11	1637	366	112	1324
Rubber soles to leather boot or shoe bottoms. Machine for applying	G. F. Butterfield	768,024	June 7	739	163	110	1611
Rubber sponge-cup	T. C. Marshall	770,911	Sept. 27	3403	717	112	816
Rubber-tired wheel	A. H. Marks	759,455	May 10	1780	360	110	423
Rubber tread	R. E. Foster. (Reissue)	12,219	May 17	3615	762	110	847
Rubber tread	W. Pratt	767,120	Aug. 9	2035	423	111	1512
Rubber tread	F. W. Pratt	769,324	Sept. 6	3882	88	112	82
Rubber type. Means for making	B. P. Kern and W. J. O. Johnson	756,652	Apr. 5	869	189	106	1527
Rubber-working machine	A. N. Hood	752,975	Feb. 23	4209	937	108	2029
Rubbing or polishing machine	C. S. Yarnell	761,023	May 24	4890	1035	110	1139
Rubbing or polishing machine	J. H. Witt	778,470	Dec. 27	4002	870	113	2338
Rubbing-wheel	G. L. Badger	773,535	Nov. 1	3	2	113	3
Rudder.	T. P. Byram	770,592	Jan. 26	4052	876	108	946
Rudder-blade. Steam-vessel.	J. F. Fisher	772,794	Oct. 18	3189	694	112	1684
Rudders. Means for locking or unlocking	A. J. Maclean	752,086	Feb. 16	2444	547	108	1619
Ruffling and sewing machine attachment	E. Burke	751,578	May 31	5363	1374	110	1390
Rug-adjuster. Reversible.	J. L. Kingston	751,738	Feb. 9	1768	402	108	1452
Rug attachment	S. Gullian	760,392	May 17	3585	736	110	840

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Rug or carpet paste fastening.	C. C. Conner and T. Grimler.	778,742	Dec. 27	4490	983	113	2446
Rug-pin.	F. D. Van Buren.	778,287	Dec. 27	3821	791	113	2357
Rug-shearing machine.	F. E. Smith.	772,437	Oct. 18	2482	544	112	1334
Rug. Velvet.	J. W. Dimick and J. Jagger.	765,168	July 19	2560	534	111	590
Rugs. Manufacturing weft for.	A. S. Horlacher.	756,236	Apr. 5	88	19	109	1361
Rule.	P. S. Hamrick.	754,445	Mar. 15	2485	541	109	578
Rule.	C. S. Fosselman.	762,474	June 14	1692	325	110	1825
Rule and angle-finder.	J. A. Traut.	775,951	Nov. 29	4904	1036	113	1172
Rule attachment.	A. S. Liddle.	763,915	June 26	4543	991	110	2484
Rule-case.	R. F. Hiler.	760,453	May 24	3709	785	110	886
Rule. Combination.	J. E. Wertz.	766,562	Aug. 2	859	180	111	1329
Rule. Double plumb.	M. E. Vreand.	761,430	May 31	5084	1210	110	1333
Rule. Engineer's slide.	L. W. Rosenthal.	767,170	Aug. 9	2142	445	111	1534
Rule. Folding.	C. S. Evans and H. Parker.	778,019	Dec. 20	3099	681	113	2127
Rule for steel beams. Architect's slide.	B. E. Winslow.	766,009	July 26	4224	901	111	959
Rule-gage.	H. McKechnie.	765,506	July 19	3227	675	111	734
Rule-holder.	W. O. Bell.	770,953	Sept. 27	3464	735	113	836
Rule. Measuring.	J. A. and F. L. Traut.	763,523	June 28	3478	616	110	2321
Rule. Protactor.	L. B. Rhodes.	756,055	Mar. 29	5541	1223	109	1379
Rule. Slide.	C. G. Barth, H. L. Gantt, and F. W. Taylor.	753,840	Mar. 8	1253	282	109	291
Rule. Slide.	F. J. Anderson.	768,971	Aug. 30	5827	1223	111	2410
Rule, square, and miter.	J. Guth.	778,659	Dec. 27	4356	951	113	2416
Ruler.	J. H. Jacobs.	753,886	Mar. 8	1341	302	109	310
Ruler.	A. H. Frink and C. H. Lister.	759,261	May 10	1402	280	110	340
Ruler.	F. Cumming.	772,696	Oct. 18	2969	656	112	1643
Ruler. Combination.	W. H. Henry.	776,897	May 10	4471	113	110	1919
Ruler. Rolling.	R. H. Swinerton.	758,796	May 3	437	87	110	108
Rulers. Manufacture of.	H. E. Peucker.	757,675	Apr. 19	2946	639	109	2004
Ruling device.	J. Hren.	752,556	Feb. 16	3340	743	108	1819
Ruling-machine.	K. Daut.	749,034	Jan. 5	967	203	108	225
Ruling-machine.	C. A. Keene.	759,719	May 10	2281	471	110	532
Ruling-machine.	J. H. Reinhardt.	760,017	May 17	2577	602	110	683
Ruling-machine.	H. C. Crozier.	774,718	Nov. 8	2272	491	113	521
Ruling machine. Paper.	C. F. Taylor and G. M. McClelland.	764,643	July 12	1538	315	111	352
Rumble.	W. W. Sly.	769,192	Sept. 6	104	26	112	24
Running-gear.	L. T. Gibbs.	749,287	Jan. 12	1517	322	108	365
Running-gear.	H. S. Hodli.	750,854	Feb. 2	140	32	108	1088
Running-gear.	D. B. Van Dorn.	750,915	Feb. 2	251	169	108	1114
Running-gear.	W. H. Birdsall.	755,955	July 26	4105	877	111	984
Running-gear.	A. F. Madden.	770,725	Sept. 20	3019	642	112	713
Running-gear.	A. F. Madden.	770,726	Sept. 20	3020	642	112	713
Running-gear.	A. F. Madden.	770,727	Sept. 20	3022	642	112	714
Running-gear. Pivotal.	W. P. Henry.	756,467	Apr. 5	907	131	109	1470
Runway. Registering.	C. F. Strasburger.	760,661	May 24	4137	879	110	979
Sack-holder.	J. H. Beltz.	769,235	Sept. 6	325	74	112	69
Sack-holder.	A. H. Beckman.	775,962	Nov. 29	4925	1040	113	1177
Sad-iron.	J. Bennett.	749,520	Jan. 12	2008	417	108	470
Sad-iron.	K. Kallmied.	749,615	Jan. 12	2167	454	108	476
Sad-iron.	W. E. Hoyt.	751,288	Feb. 2	961	219	108	1261
Sad-iron.	H. C. Fox.	754,987	Mar. 22	3256	772	109	821
Sad-iron.	A. L. Eccles.	755,567	Mar. 22	4561	1015	109	1044
Sad-iron.	M. McLaughlin.	757,130	Apr. 12	1854	405	109	1754
Sad-iron.	M. Joyce.	757,198	Apr. 12	1969	429	109	1780
Sad-iron.	J. H. James.	761,838	June 7	453	92	110	1540
Sad-iron and radiating stove. Combined.	H. Green.	751,909	Feb. 7	2103	475	108	1527
Sad-iron. Electric.	G. J. Schneider.	754,018	Mar. 8	1600	356	109	369
Sad-iron folding device.	W. Strauss.	778,083	Dec. 20	3321	708	113	2153
Sad-iron handle.	W. Winter.	761,741	June 7	234	45	110	1469
Sad-iron heater.	M. E. Hadden.	770,005	Sept. 13	1659	352	112	392
Sad-iron holder.	H. H. Cox.	749,363	Jan. 12	1668	355	108	400
Sad-iron holder.	M. A. Tolin.	777,570	Dec. 13	2180	479	113	1922
Sad-iron. Revolving.	A. D. Mahony.	748,627	Jan. 5	146	35	108	33
Sad-iron. Self-heating.	H. A. Feltus.	751,156	Feb. 2	682	157	105	1205
Sad-iron. Self-heating.	H. B. Swartz.	750,196	Sept. 13	3204	623	110	446
Sad-iron support.	A. Stamm.	767,506	Aug. 16	2792	583	111	1696
Saddle.	F. Mesinger.	755,904	Mar. 29	5253	1161	109	1216
Saddle-bag.	L. N. Prudhomme.	761,782	June 7	339	68	110	1515
Saddle-bag.	L. N. Prudhomme.	761,783	June 7	340	69	110	1515
Saddle. Harness.	C. W. Miller.	752,494	Feb. 16	3070	679	108	1757
Saddle. Harness.	C. B. Wilson.	765,301	July 19	2788	582	111	639
Saddle. Harness.	J. A. Kramer.	773,756	Nov. 1	425	93, 94	113	100
Saddle metal seat-plate. Riding.	H. M. Auerswald.	774,412	Nov. 8	1681	360	113	394
Saddle. Pack.	J. T. Morgan.	751,324	Feb. 2	1032	234	108	1277
Saddle. Pneumatic harness.	H. P. Barlow.	768,145	Aug. 23	4125	807	111	746
Saddle. Racing.	H. M. Mason.	767,008	Aug. 9	4735	377	111	1459
Saddle. Riding.	P. R. Stern.	753,751	Mar. 1	1025	232	109	221
Saddle. Riding.	L. A. Lohr.	770,975	Sept. 27	3521	743	112	844
Saddle seat. Harness.	H. Leite.	749,620	Jan. 12	2176	456	108	508
Saddle. Side.	J. Barlow.	765,540	July 19	3287	688	111	746
Saddles.	T. V. Brooke.	749,358	Jan. 12	1650	351	108	392
Saddles. Means for attaching stirrup-leathers to riding.	J. Martin.	751,865	Feb. 9	2017	457	108	1507
Safe.	W. S. S. Fleming.	749,333	Jan. 12	1505	320	108	962
Safe.	E. E. Thompson.	754,623	Mar. 15	2823	617	109	650
Safe.	J. B. Boos. (Reissue).	12,320	Aug. 29	4997	1048	111	8206
Safe.	B. F. Sparr.	769,240	Sept. 6	198	48	112	44
Safe-alarm. Mechanical.	E. Rebeschung.	777,540	Dec. 13	2101	462	113	1905
Safe. Heat.	E. Kunz.	749,205	Jan. 19	1936	387	108	927
Safe-locking device.	C. M. B. and J. B. Boos.	761,194	May 31	5319	1108	110	1230
Safe or vault.	J. Paton.	769,323	Sept. 6	379	67, 88	112	82

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Safe or vault.	W. Brinton.	771,704	Oct. 4	943	213	112	1161
Safe or vault.	S. L. Smith.	775,356	Nov. 22	3672	779	113	887
Safe. Provision.	C. C. Bender and J. E. Fish.	752,509	Feb. 16	3248	724	108	1797
Safe. Sectional or knockdown kitchen.	V. T. Grabs.	756,355	Apr. 5	329	68	109	1414
Safes. Door for screw-door.	W. E. Arnold.	770,792	Feb. 2	18	5	108	1061
Safety-alarm.	L. N. Coffield.	775,165	Nov. 15	3218	688	113	738
Safety-can.	W. H. Pearson.	748,784	Jan. 5	1022	97	108	95
Safety device.	F. B. Corey.	765,612	July 19	3411	719	111	773
Safety-guard.	G. O. Curtis.	750,265	Jan. 26	3427	741	108	812
Safety-hook.	C. H. Terry.	770,943	Sept. 27	3463	731	112	831
Safety hook or ring.	D. L. Troyer.	763,813	June 28	3351	915	110	2442
Safety-lock for sacks, bags, &c.	J. O. N. Lindholm.	751,313	Feb. 2	1015	230	108	1374
Safety-pin.	A. Buckelew.	754,743	Mar. 15	3064	669	109	704
Safety-pin.	C. Andresen.	755,097	Mar. 22	3711	815	109	864
Safety-pin.	C. Andresen.	756,809	Apr. 12	1188	264	109	1614
Safety-pin.	C. Andresen.	756,810	Apr. 12	1189	264	109	1614
Safety-pin.	E. L. Sands.	757,351	Apr. 12	3279	488	109	1344
Safety-pin.	F. Westpfal.	757,700	Apr. 19	2992	650	109	2015
Safety-pin.	C. Andresen.	759,845	May 17	2553	533	110	608
Safety-pin.	J. H. Harris.	760,201	May 17	3247	680	110	764
Safety-pin.	C. B. Taylor.	763,757	July 26	3728	796	111	852
Safety-pin.	A. J. Meier.	766,641	Aug. 2	1022	214	111	1268
Safety-pin.	H. A. Norton.	770,304	Sept. 20	2240	467	112	541
Safety-pin.	H. A. Heineman.	773,568	Nov. 1	71	14	113	21
Safety-pin.	F. A. Forsbeck.	777,409	Dec. 13	1850	409	113	1832
Safety-pin.	E. T. Poole.	777,804	Dec. 20	2642	589	113	2037
Safety-switch.	G. F. Hill.	778,416	Sept. 27	3279	488	109	1344
Sail-fastening for mast-hoops. Detachable.	A. Klatt.	749,968	Jan. 19	2870	614	108	674
Sail. Spinnaker.	G. A. Lowry.	757,474	Apr. 19	2926	554	109	1911
Sale-recorder.	D. Griffith.	757,913	Apr. 19	3397	736	109	2103
Sales-memorandum holder.	W. Morton.	760,697	May 24	4311	894	110	995
Salt-box. Animal.	A. W. Schröder.	756,416	Mar. 27	3279	488	109	1344
Salt-cellar.	W. B. Grimes.	763,750	June 28	4218	910	110	2416
Salt-cellar.	W. B. Fenn.	768,439	Aug. 23	4725	991	111	2148
Salt. Making pure.	O. Sachse.	773,343	Oct. 25	4458		112	2989
Salt-raker.	A. Johnson.	762,907	June 21	2577	560	110	2036
Salt-raker.	A. Johnson and G. B. Willcox.	762,908	June 21	2579	560	110	2036
Salt-receptacle.	C. E. Long.	753,597	Mar. 1	733	163	109	159
Salve. Making a.	J. F. Huefner.	753,267	Mar. 1	101	144	109	25
Sample carrier and display rack. Combined.	P. H. Moog.	754,227	Mar. 8	1906	744	109	456
Sample-case. Folding.	H. Brazer.	736,451	Nov. 29	5866	1239	113	1394
Sample-case. Folding.	T. Clements.	776,457	Nov. 29	5877	1241	113	1396
Sample-sheet.	J. Dohse.	750,620	Jan. 26	4098	886	108	954
Sampler.	F. T. Snyder.	773,819	Nov. 1	535	117	113	124
Sanding-tube.	L. W. Walder.	766,205	Aug. 2	111	20	111	1066
Sand-bars. Means for removing.	E. H. Allmar.	753,217	Mar. 1	1	1	109	3
Sand-blast.	F. Sticker.	753,118	Apr. 26	3816	828	109	2214
Sand-blast apparatus.	W. R. King.	749,488	Jan. 12	1949	405	108	457
Sand-blast apparatus.	J. E. Mathewson.	773,663	Nov. 1	245	55	113	59
Sand-blast apparatus.	J. E. Murray.	773,665	Nov. 1	251	55	113	60
Sand-blast machine.	F. P. Boland.	763,775	May 24	4378	931	110	1031
Sand-blast machine.	G. R. A. Gutmann.	777,201	Dec. 13	1452	321	113	1764
Sand-box gage.	T. E. Mooney.	757,947	Apr. 19	3459	749	109	2117
Sand-cleaning apparatus.	W. S. Vanzant.	762,775	June 14	2303	502	110	1955
Sand-drier. Portable.	P. C. Brennan.	752,754	Feb. 23	3736	832	108	1928
Sand-hopper mechanism for tramway-vehicles, &c.	J. Griffiths.	777,090	Dec. 13	1235	277	113	1722
Sand or dirt. Apparatus for recovering values from.	C. G. Poppenberg.	768,624	Aug. 30	5115	1075	111	2820
Sand-press.	H. G. Voight.	750,918	Feb. 2	260	60	108	1115
Sand screen and mixer. Combined.	H. G. Boughton.	752,646	Feb. 23	3539	788	108	1879
Sand-tempering apparatus. Molders.	G. W. Packer.	768,596	June 14	1933	417	110	1876
Sand. Tempering molders.	G. W. Packer.	768,597	June 14	1935	417	110	1877
Sander.	A. Shields.	772,436	Oct. 18	2481	418	112	1534
Sander or smoothing-machine.	G. H. Ober.	759,187	May 3	1185	241	110	268
Sander. Pneumatic.	I. P. Carnes.	758,954	Feb. 23	4166	928	108	2019
Sander. Pneumatic.	J. Farley.	777,087	Dec. 13	1250	275	113	1721
Sanding and polishing machine.	F. Urban.	759,776	May 10	2399	501	110	560
Sanding device.	C. B. Cooper.	772,218	Oct. 1	2026	445	112	1409
Sanding system.	W. Schaafe.	758,194	Apr. 26	3952	858	109	2244
Sandpapering-machine.	D. V. Hodi.	759,865	May 17	2589	541	110	616
Sandpapering-machine.	A. H. Scott.	765,103	July 12	2439	508	111	546
Sandal.	B. R. Bonney.	775,440	Nov. 22	3850	814	113	927
Sanitary appliance.	A. A. Carson.	764,912	July 12	2091	433	111	474
Sanitary closet. Electric.	J. H. Wilson.	749,769	Jan. 19	2497	531	108	594
Sap-spout.	J. F. Warner.	764,324	July 5	834	169	111	184
Sap-spout and cover.	J. H. Grimm.	765,478	July 19	3177	664	111	723
Sap-spout and cover.	G. H. Grimm.	778,031	Dec. 30	3122	686	113	2181
Saponin and making same.	R. Kobert.	768,003	June 21	2756	687	110	2076
Sash and screen fastener. Storm.	A. B. Graham.	773,791	Nov. 1	485	106	113	113
Sash attachment. Window.	L. E. W. Banks.	754,274	Mar. 8	2078	461	109	472
Sash-balance.	G. W. Ogden.	758,908	Mar. 8	1889	313	109	320
Sash-balance.	H. E. Rathbun and W. H. Loneragan. (Reissue.)	12,202	Mar. 8	2385	521	109	538
Sash-balance.	C. Harris.	760,788	May 24	4399	985	110	1036
Sash-balance.	W. Schuch.	771,276	Oct. 4	110	24, 25	112	985

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Sash-bar. Ventilating.	F. Lyster	755,784	Mar. 29	5025	1117	109	1162
Sash-bolt	A. Arens and E. L. Teich	730,453	Apr. 5	530	110	109	1455
Sash-casing. Window	H. Borgmann	762,464	June 14	1664	360	110	1819
Sash-catch. Automatic	J. H. Machen	765,025	July 12	2284	476	111	515
Sash-closing device	C. Rupp	774,605	Nov. 8	2042	446	113	470
Sash-cord fastener	G. W. Howard	755,136	Mar. 22	3781	832	109	870
Sash-cord guide	W. R. Fox	763,474	June 28	3701	738	110	2305
Sash-cord holder	W. Munro	751,093	Feb. 2	571	132	108	1183
Sash-cord holder	E. Haas	759,367	May 10	1626	322	110	388
Sash-cord support	J. Kreimer	751,858	Feb. 9	2008	454	108	1505
Sash-fastener	A. Assorati	749,469	Jan. 12	1910	396	108	449
Sash-fastener	J. Anderson	750,480	Jan. 26	3706	804	108	876
Sash-fastener	B. S. Reid	751,809	Feb. 9	1906	432	108	1483
Sash-fastener	J. E. Gibbs	752,062	Feb. 16	2403	536	108	1610
Sash-fastener	A. Arens	756,559	Apr. 5	713	154	109	1439
Sash-fastener	J. A. Long	757,309	Apr. 12	1985	432	109	1783
Sash-fastener	F. B. Clapp	758,416	Apr. 26	4414	949	109	2347
Sash-fastener	R. Baxter	758,952	May 3	748	149	110	174
Sash, &c., fastener	N. Rodney	760,350	May 17	3510	738	110	823
Sash-fastener	M. L. Gordon	763,879	June 28	4471	974	110	2469
Sash-fastener	S. F. Albright	766,012	July 26	4229	902	111	960
Sash-fastener	L. Schley	766,395	Aug. 2	504	107	111	1151
Sash-fastener	W. Goodell	766,689	Aug. 2	1138	236	111	1924
Sash-fastener	H. C. Hettinger	768,177	Aug. 23	4182	879	111	2022
Sash-fastener	S. M. Berry	769,374	Sept. 6	477	106	112	109
Sash-fastener	C. G. Seaman	774,206	Nov. 8	1812	279	113	813
Sash-fastener	J. H. Clements	775,744	Nov. 22	4457	950	113	1665
Sash-fastener	J. D. Sanford	778,276	Dec. 27	3603	787	113	2252
Sash-fastener and burglar-alarm	B. T. Kavanaugh	777,344	Dec. 13	1733	383	113	1826
Sash fastener and lift	W. W. Bauman	775,593	Nov. 22	4194	883	113	1002
Sash fastener and tightener. Adjustable.	N. S. Hillyard	777,099	Dec. 13	1272	279	113	1726
Sash-fastener. Automatic	G. B. Saunders, Jr.	774,556	Nov. 8	1814	415	113	1463
Sash-fastener. Deck or other	F. W. Claflin	771,608	Oct. 7	761	169	112	1121
Sash-fastener. Wedge	S. S. Bell	778,001	Dec. 20	3066	674	113	2120
Sash fastener. Window	P. H. Page	752,253	Feb. 16	2764	613	108	1694
Sash fastener. Window	J. G. Reilly	766,198	Aug. 2	88	16	111	1060
Sash fastener. Window	J. Brewer and D. Heavener	772,920	Oct. 25	3445	747	112	1759
Sash fastening, adjusting, and locking device. Window.	A. H. W. Wedler	761,568	May 31	5325	1270	110	1386
Sash. Fixture for hanging.	J. Kirby, Jr.	753,985	Mar. 8	1538	343	109	355
Sash-frame and sash	J. G. Roseboom	768,865	Aug. 30	5005	1178	111	2358
Sash-guide and metal weather-strip	W. H. Scholes	776,621	Dec. 6	813	68	113	1493
Sash-hanger	N. H. Campbell	765,271	July 19	2739	571	111	630
Sash hinged support. Window.	F. D. Palmer	755,311	Mar. 22	4103	906	109	944
Sash-holder	W. Lemke	750,469	Jan. 26	3800	826	108	896
Sash-holder	E. Heilmann	752,549	Feb. 16	3324	740	108	1816
Sash-holder	D. O. Hiatt	755,490	Mar. 22	4429	989	109	1014
Sash-holder	J. M. Bailey	759,847	May 17	2557	534	110	096
Sash-holder	J. L. River	764,305	July 5	792	162	111	175
Sash holder and lock	O. E. Howe	754,452	Mar. 15	2495	543	109	580
Sash holder. Window	G. G. Stone	774,613	Nov. 8	2056	449	113	473
Sash-lift and fastener. Combined	W. N. Packer	769,011	Aug. 30	5003	1237	111	2427
Sash-lifter	M. B. Gosh	761,608	May 31	5990	1286	110	1801
Sash-lock	C. M. and C. L. Southard	754,355	Mar. 8	2214	494	109	500
Sash-lock	A. W. Randall	756,799	Apr. 5	1165	258	109	1593
Sash-lock	D. Wilde	757,856	Apr. 19	3290	712	109	2079
Sash-lock	A. J. McGeehee	758,679	May 3	146	31	110	36
Sash-lock	L. H. Sparks	759,642	May 10	2151	442	110	504
Sash-lock	J. H. Moskow	768,595	June 14	1932	417	110	1876
Sash-lock	T. S. Alford	762,856	June 14	2476	536	110	1993
Sash-lock	C. Johnson	763,610	June 28	3934	856	110	2354
Sash-lock	J. M. Nosworthy	764,493	July 5	1187	243	111	262
Sash-lock	J. M. Butcher	766,332	Aug. 2	372	78	111	1122
Sash-lock	F. J. Lowery	767,370	Aug. 9	2497	523	111	1611
Sash-lock	A. J. Ashley	767,677	Aug. 16	3116	651	111	1767
Sash-lock	W. C. Brinkerhoff	768,730	Aug. 30	5336	1124	111	2298
Sash-lock	H. B. Hughes	774,178	Nov. 8	1264	268	113	302
Sash-lock	P. J. Hogan	774,471	Nov. 8	1788	386	113	415
Sash-lock	J. R. Cronin	773,127	Nov. 15	3138	667	113	740
Sash-lock	C. Hearnshaw	775,602	Nov. 22	4208	886	113	1006
Sash-lock	W. L. Hall	778,312	Dec. 27	3669	800	113	2266
Sash lock and adjuster. Combined	R. De Lan	769,209	Sept. 6	129	32	112	29
Sash lock and lift	O. A. Essig	765,172	July 19	2265	536	111	591
Sash lock and striker	R. B. Huguenin	768,380	July 5	106	16	111	31
Sash-lock. Automatic	C. S. Barnard	757,249	Apr. 12	2060	450	109	1799
Sash-lock. Automatic	A. Johnson	760,386	Sept. 6	495	109	112	112
Sash-lock key. Invisible	S. G. Wellman	751,586	Feb. 9	1485	336	108	1393
Sash-lock. Ventilating	W. N. Packer	769,012	Aug. 30	5005	1237	111	2427
Sash lock. Window	T. J. Sutton	749,641	Jan. 12	2222	469	108	517
Sash lock. Window	T. J. Sutton	749,642	Jan. 12	2224	469	108	517
Sash lock. Window	J. C. Deggin	775,524	Nov. 22	4017	847	113	964
Sash. Mechanism for actuating sliding window	E. Feder	759,508	May 10	1891	380	110	448
Sash. Pivoted	G. Kabureck	764,655	Mar. 15	2885	633	109	605
Sash pull. Window	H. E. Essig	750,956	Feb. 2	334	79	108	1132
Sash raising or lowering appliance. Window	C. A. Bergersen	775,122	Nov. 15	3131	665	113	738
Sash. Revolving	J. F. Blanchard	762,123	June 7	971	201	110	1647
Sash stop and lock	W. E. Grier	758,632	May 3	54	11	110	17
Sash stop and lock combined. Window	R. L. Riley	773,986	Nov. 1	916	190	113	208
Sash support and lock. Window	J. L. Sumner	778,385	Dec. 27	3820	834	113	2290
Sash-weight	J. T. Leonard	752,235	Feb. 16	2720	602	108	1694
Sash-weight-molding apparatus	J. E. Price	769,959	Sept. 13	1565	333	112	368
Sash. Window	E. Onstrand	750,990	Feb. 2	45	35	108	1147
Sash. Window	W. B. Emerson	752,891	Feb. 23	3891	873	108	1956
Sash. Window	G. H. Lawrence	754,575	Mar. 15	2737	595	109	632

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr &c	Vol.	Page.
Sash. Window.	R. Adams.	756,532	Apr. 5	700	151	109	1491
Sash. Window.	A. C. Goddard.	758,742	June 28	423	919	110	2415
Sash. Window.	C. M. Rhodes.	775,858	Nov. 22	4701	995	113	1110
Sash. Window.	L. D. Patten and D. Lipsey.	778,370	Dec. 27	3800	829	113	2295
Sashes. Antirattling device for window.	F. Huberti.	758,075	Apr. 26	8736	811	109	2194
Sashes or similar purposes. Pulley-housing for	W. Livingstone.	778,085	Dec. 27	4392	960	113	2424
Satchel.	J. Sandberg.	748,657	Jan. 5	820	47	108	44
Saturator-bell.	A. N. Bailey.	759,587	May 10	2036	416	110	479
Sausage-machine.	A. Heintze.	770,578	Sept. 20	2740	581	112	652
Sausage-stuffer.	H. W. Loudon, Sr.	765,899	July 26	4004	854	111	911
Sausage-stuffer nozzle-valve.	G. R. Napier.	765,295	July 19	2777	579	111	637
Saw.	H. B. Batchelder.	759,358	May 17	2756	578	110	654
Saw.	T. A. Remsen.	764,374	July 5	920	193	111	213
Saw.	G. M. Tilden.	766,077	July 26	4344	933	111	984
Saw.	G. G. McGill.	770,094	Sept. 13	1800	379	112	423
Saw attachment. Band.	E. L. Hayden.	770,805	Sept. 27	3181	674	112	766
Saw. Band.	C. Seymour.	769,497	Sept. 6	709	153	112	162
Saw-blade. Cold-metal.	C. A. Juengst.	772,154	Oct. 11	1902	421	112	1382
Saw-carriage for cutting bevel-boards.	A. W. Tait.	775,787	Nov. 22	4564	968	113	1082
Saw-carriage power set-works.	R. W. Tullock and P. Barnes.	777,318	Dec. 13	1674	371	113	1814
Saw. Circular.	O. Granberg.	754,134	Mar. 8	1819	405	109	418
Saw-clamp.	C. Bergstrom.	762,677	June 14	2032	454	110	1912
Saw-clamp and file-guide.	H. W. Merwine.	758,551	Apr. 26	4667	1005	109	2402
Saw clappboard-machine. Band.	A. J. Burton.	749,839	Jan. 19	2326	562	108	622
Saw-cover.	W. C. Happe.	757,740	Apr. 19	3075	669	109	2032
Saw. Crosscut table.	F. H. A. Firstbrook.	775,916	Nov. 29	4820	1022	113	1153
Saw-detaching mechanism.	F. H. Richards.	766,384	Aug. 2	477	102	111	1145
Saw. Drag.	E. E. Thompson.	774,230	Nov. 8	1468	313	113	345
Saw. Drag.	F. J. Sheldon.	778,764	Dec. 27	4539	993	113	2457
Saw dressing and filing appliance. Circular.	J. W. Arnott.	763,085	June 21	2917	628	110	2111
Saw-filer.	M. W. Holladay.	753,575	Mar. 1	691	155	109	152
Saw-filing machine.	N. Kall.	757,663	Apr. 19	2918	634	109	1999
Saw-filing machine.	M. P. Schell.	772,538	Oct. 18	2638	589	112	1575
Saw. Frame.	A. M. Remington.	774,780	Nov. 15	2423	523	113	578
Saw-gage. Raker.	W. Stephens.	756,425	Apr. 5	472	97	109	1443
Saw-grinding machine.	J. Rose.	760,566	May 24	8936	835	110	987
Saw. Grooving.	W. S. Van Amberg.	771,401	Oct. 4	377	183	112	1037
Saw-guide.	H. P. Schofield.	755,318	Mar. 22	4116	903	109	946
Saw-guide.	F. H. Richards.	766,796	Aug. 2	1372	286	111	1347
Saw-guide.	F. H. Richards.	766,797	Aug. 2	1374	287	111	1348
Saw-guide. Band.	J. W. Tulpepper.	758,619	May 3	28	6	110	9
Saw-guide clamp.	F. H. Richards.	766,798	Aug. 2	1377	287	111	1349
Saw-guide. Gang.	C. A. Norlin.	775,477	Nov. 22	3930	830	113	944
Saw-guide. Swivel band.	A. Pragna.	770,105	Sept. 13	1819	384	112	427
Saw-guide. Undercut.	J. Loepp.	774,885	Nov. 15	2650	569	113	626
Saw-guide. Universally-adjustable.	H. H. Venable.	760,690	May 17	3017	630	110	715
Saw-gummer.	J. Anderson.	750,074	Jan. 19	3079	662	108	717
Saw gumming and sharpening machine. Combined.	M. W. Pangburn.	776,235	Nov. 29	5496	1164	113	1309
Saw. Hack.	H. A. Mosher and E. E. Free.	765,294	July 19	2776	579	111	637
Saw. Hack.	W. E. Lawrence.	776,602	Dec. 6	268	59	113	1489
Saw-handle.	D. W. Solomon.	752,364	Feb. 16	2975	662	108	1740
Saw-handle.	C. W. Pyham.	763,257	June 21	3248	701	110	2186
Saw-handle.	A. E. Townsend.	774,292	Nov. 8	1464	314	113	346
Saw handle. Crosscut.	W. MacLennan.	750,773	Jan. 26	4430	955	108	1031
Saw handle. Crosscut.	M. E. True.	778,516	Dec. 27	4082	880	113	2357
Saw handle. Drag.	F. M. Irish.	754,312	Mar. 8	2150	476	109	487
Saw-holder.	D. Rowe.	752,420	Feb. 16	3005	686	108	1760
Saw-holder.	T. D. Gayle.	707,641	Aug. 16	3059	639	111	1755
Saw jointer and raker-gage. Combined.	C. F. Frazee.	751,390	Feb. 2	1138	259	108	1300
Saw lubricator. Hand.	E. Young.	776,448	Nov. 29	5859	1288	113	1392
Saw machine. Circular.	F. von Heldt.	776,743	Dec. 6	561	123	113	1350
Saw. Metal-cutting.	J. M. Bradley.	709,464	Sept. 6	647	139	112	148
Sawmill.	R. L. Neubert.	775,576	Nov. 22	4162	877	113	993
Saw mill. Band.	W. M. Wilkin.	770,136	Sept. 13	1877	390	112	439
Saw mill. Band.	L. J. Hanhart.	771,064	Sept. 27	3705	781	112	881
Sawmill-carriage auxiliary setting mechanism.	T. B. Jones.	762,363	June 21	2671	579	110	2057
Sawmill-carriage offsetting mechanism.	E. E. Thomas.	759,645	May 10	2158	444	110	506
Saw mill conveyor. Band.	D. C. Prescott.	762,653	June 14	2049	444	110	1902
Saw mill. Gang.	W. M. Wilkin.	761,344	May 31	5519	1176	110	1294
Sawmill head-block shifter.	J. T. Simpson.	758,337	Apr. 26	4260	915	109	2311
Sawmill-hog.	H. G. Dittbenner.	777,779	Dec. 20	2576	570	113	2023
Sawmill log-carrier. Mounted.	A. S. McDonald.	761,697	June 7	150	29	110	1472
Sawmill machinery.	D. A. Kennedy.	778,366	Dec. 27	3791	837	113	2203
Sawmill off-bearing mechanism.	E. T. Davies.	752,440	Feb. 16	3129	690	108	1771
Sawmill runaway carriages. Emergency stop-valve for stopping.	D. R. Edwards.	762,991	June 21	2723	591	110	2009
Sawmill set-works.	D. C. Prescott.	757,324	Apr. 12	2011	437	109	1788
Sawmill set-works.	W. E. Dillard.	758,429	Apr. 26	4438	954	109	2351
Sawmill set-works.	E. W. Hopper.	762,170	June 7	1055	222	110	1667
Sawmill set-works.	T. S. Wilkin.	764,095	July 5	369	70	111	81
Sawmill set-works.	E. C. Monroe.	764,484	July 5	1170	238	111	258
Sawmill set-works.	W. F. Brown.	770,517	Sept. 20	2629	557	112	626
Sawmill set-works.	T. S. Wilkin.	777,232	Dec. 13	1510	339	113	1777
Sawmill set-works indicator.	G. D. Palmer.	751,405	Feb. 2	1161	264	108	1804
Sawmill-skidway.	C. L. Trombley.	750,911	Feb. 2	249	55	108	1112

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Saw-mill tension mechanism. Band.	E. E. Thomas	768,707	Aug. 30	5997	1112	111	2289
Saw-mill upper guide. Band.	E. E. Thomas	776,964	Dec. 6	1014	1113	113	1652
Sawmills. Off-bear table for.	E. M. Schantz	771,826	Oct. 1	1320	113	1338	
Saw. Portable crosscut.	F. Richter	757,770	Apr. 19	3137	682	109	2046
Saw. Power hack.	A. W. Cash	773,924	Nov. 1	791	165	113	182
Saw protector. Ripping.	J. A. Jackson	768,663	Aug. 30	5194	1092	111	2267
Saw. Sawsing-machine.	W. W. Carter	773,118	Oct. 25	3970	842	112	1881
Saw-set.	J. Dietrich	749,270	Jan. 12	1476	315	108	355
Saw-set.	S. Hailton	751,849	Feb. 9	1984	451	108	1498
Saw-set.	O. E. Stickler	756,187	Mar. 29	5773	1274	109	1327
Saw-set.	J. B. Lester	756,662	Apr. 5	891	195	109	1531
Saw-set.	W. McGhie	760,078	May 17	2988	625	110	708
Saw-set.	J. Sperber	761,730	June 7	198	38	110	1482
Saw-set.	E. 763,155	June 21	3057	658	110	2,42	
Saw-set.	R. Addison	767,130	Aug. 9	2056	428	111	1517
Saw-set.	F. Huot.	769,385	Sept. 6	494	109	112	112
Saw-set.	M. Hawkins and A. T. Perry	770,429	Sept. 20	2456	521	112	588
Saw-set.	H. Rice	772,235	Oct. 11	2184	477	112	1447
Saw-set.	H. F. Stretcher	775,582	Dec. 6	194	63	113	1771
Saw set and gage. Combined.	O. Ohlson	776,254	Nov. 29	5495	1164	113	1309
Saw set and jointer. Combined.	J. Anderson	750,073	Jan. 19	3078	661	108	717
Saw setting and sharpening machine.	R. McMorland	752,851	Feb. 23	3924	879	108	1964
Saw-setting device.	W. F. Arantz	750,148	Jan. 19	3210	880	108	746
Saw-setting machine	J. Hegstrum	764,126	July 5	427	83	111	93
Saw-setting machine	J. S. Mason	764,858	July 12	1974	407	111	448
Saw-setting machine	T. M. Hakes	775,035	Nov. 15	2946	628	113	697
Saw-sharpener	W. J. Winter	750,144	Jan. 10	3204	658	108	744
Saw sharpening attachment. Band.	E. Harrold and C. G. Wilderson	773,495	Oct. 25	4785	1008	112	2059
Saw-sharpening device.	H. P. Schofield	755,319	Mar. 22	4117	910	109	946
Saw-sharpening machine	A. Andersson	748,685	Jan. 5	347	57	108	54
Saw side-tooth dresser	J. Hargreaves	760,198	May 17	3241	679	110	702
Saw. Steam-power crosscut.	J. A. Reed	763,112	June 21	2960	638	110	2120
Saw swage gage	A. O. Reppeto	748,790	Jan. 5	433	99	108	97
Saw swaging and filing gage	S. J. Galloway	753,565	Mar. 1	669	150	109	148
Saw-swaging machine	W. C. Renie	762,195	June 7	1097	234	110	1677
Saw-table. Bracket.	J. C. Mallonee	750,551	Jan. 26	3993	860	108	930
Saw-table gage.	C. A. Norlin	752,701	Feb. 23	3643	811	108	1902
Saw tables. Adjustable stop for band.	J. T. Towseley	776,272	Nov. 29	5525	1170	113	1314
Saw-teeth	J. H. McLean	775,012	Nov. 15	2001	620	113	685
Saw-tooth for metal-saws. Insertible.	C. C. Newton	757,953	Apr. 19	3473	751	109	2120
Saw-tooth-shaping machine.	J. and D. D. McMaster	769,008	Aug. 30	5807	1236	111	2426
Saw-tooth sharpener.	T. L. Wallace and J. A. Reed	773,612	Nov. 1	145	32, 33	113	98
Saw-vice support.	W. R. Potter	778,605	Dec. 27	4254	927	113	2322
Saw wheels. Device for turning band.	C. Sonke	760,576	May 24	3938	838	110	940
Saws, &c. Supporting apparatus for drag.	J. Tuisku	767,255	Aug. 9	2291	480	111	1567
Sawing apparatus.	E. E. Frank	765,771	July 26	3765	801	111	859
Sawing apparatus.	V. Pfaff	777,533	Dec. 13	2087	459	113	1902
Sawing apparatus. Crosscut.	D. E. Crouch	767,634	Aug. 16	3048	697	111	1753
Sawing apparatus. Multiple.	H. Dalgety	766,495	Aug. 2	721	151	111	1197
Sawing apparatus. Wood.	W. R. Walker	756,917	Apr. 12	1400	311	109	1657
Sawing appliance.	V. Speigle	764,356	Mar. 8	2215	495	109	500
Sawing device.	M. Foshee	767,048	Aug. 9	1873	393	111	1478
Sawing logs, &c. Electrically-driven machine for	K. Kottmann	757,626	Apr. 19	2856	623	109	1985
Sawing-machine	J. T. Davis	751,060	Feb. 2	511	119	108	1171
Sawing-machine	T. C. McCormick	755,916	Mar. 29	3392	1168	109	1224
Sawing-machine	E. H. Hoff	756,789	Apr. 5	1145	253	109	1588
Sawing-machine	J. A. House	757,745	Apr. 19	3083	672	109	2033
Sawing-machine	W. W. and F. N. Trevor	764,873	July 12	1997	412	111	453
Sawing-machine	O. W. Fairfield	767,397	Aug. 16	2564	539	111	1643
Sawing-machine	O. L. Roberts	771,209	Sept. 27	3988	844	112	943
Sawing-machine	J. R. Reid	775,247	Nov. 15	3437	723	113	816
Sawing-machine	N. Blair	776,989	Dec. 6	1063	228	113	1690
Sawing-machine. Band.	C. Seymour	762,095	June 7	925	191	110	1638
Sawing machine. Bolt.	M. Foshee	764,717	July 12	1691	346	111	385
Sawing machine. Box-stuff.	G. A. Smith	767,967	Aug. 16	3680	777	111	1890
Sawing machine. Hack.	H. A. E. Liebert	769,265	Sept. 6	250	58, 59	112	54
Sawing machine. Pile.	C. A. Crum	763,161	June 21	3066	661	110	2144
Sawing machine. Wood.	C. Holmstrom	763,488	June 28	3732	802	110	2309
Sawing machine. Wood.	E. D. King	777,678	Dec. 20	2387	535	113	1982
Sawing-machine work-holder	J. Piper	754,343	Mar. 8	2195	488	109	497
Sawing mining-timbers. Machine for	D. W. Edwards	753,688	Mar. 1	902	206	109	196
Scaffold	C. Foster	763,274	June 21	3277	706	110	2191
Scaffold	E. M. Hopkins	763,757	June 28	4296	921	110	2418
Scaffold	L. H. and T. H. Harpin	763,884	June 28	4478	975	110	2471
Scaffold	T. Macharaceck	776,668	Dec. 6	404	90	113	1518
Scaffold. Adjustable ladder.	J. F. Rouze	762,658	June 14	2060	445	110	1905
Scaffold-bracket	F. Haas	770,685	Sept. 20	2950	627	112	700
Scaffold-bracket hanger	E. Fegert	761,156	May 31	5160	1095	110	1217
Scaffold-chair. Portable	M. Heike	763,284	June 21	3291	710	110	2194

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Scaffold. Hoisting.....	S. D. Wheeler.....	761,343	May 31	5517	1176	110	1294
Scaffold. Painter's.....	R. W. and A. J. Weeks.....	760,358	May 17	3530	741	110	836
Scaffold. Painter's.....	G. R. Laughlin.....	771,878	Oct. 11	1317	297	112	1255
Scaffold. Portable.....	A. G. Maxey.....	756,034	Mar. 29	5509	1215	109	1271
Scaffold. Portable.....	W. C. Goheen.....	762,304	June 14	1336	286	110	1750
Scaffold. Portable folding window.....	J. R. Elliott and G. L. Kelly.....	751,620	Feb. 9	1548	352	108	1406
Scaffold-support.....	W. J. Murray.....	769,395	Sept. 6	509	112	112	115
Scaffolds. Erecting.....	C. Foster.....	763,275	June 21	3279	707	110	2191
Scaffolding-bracket.....	J. M. Sackman.....	767,768	Aug. 16	3268	689	111	1802
Scale.....	W. F. Simpson.....	766,777	Aug. 2	1318	278	111	1394
Scale.....	J. Hopkinson.....	770,807	Sept. 27	3185	675	112	767
Scale.....	A. U. Smith.....	771,213	Sept. 27	3963	845	112	944
Scale. Automatic balance.....	P. A. Depaepe.....	760,316	May 17	3448	727	110	809
Scale. Automatic indicating and recording car.....	G. Goetz.....	778,359	Dec. 27	3770	821 822 823 824	113	2288
Scale. Automatic shifting-weight.....	C. Schenck.....	758,588	Apr. 26	4350	934	109	2330
Scale. Automatic weighing.....	H. Hager.....	765,320	July 26	4045	864	111	920
Scale. Automatic weighing.....	M. M. Barr.....	761,438	May 31	5697	1213	110	1335
Scale, balance, and beam. Computing.....	J. E. Duncan.....	764,045	July 5	262	49	111	60
Scale-beam.....	S. L. Bunday.....	778,320	Dec. 27	3471	764	113	2224
Scale-beam. Recording.....	A. Wilson.....	778,263	Dec. 27	3571	782	113	2247
Scale-case and blank therefor. Single-piece sheet-metal.....	N. N. Pelouze.....	749,497	Jan. 12	1965	408	108	460
Scale. Charging.....	R. W. Romig.....	759,016	May 3	854	173	110	106
Scale. Combined weight-indicating and weight-recording.....	G. Goetz.....	778,358	Dec. 27	3763	820 821 822	113	2285
Scale. Computing.....	H. C. Stilwell.....	754,395	Mar. 8	2350	514	109	530
Scale. Computing.....	W. Gerhardt.....	756,352	Apr. 5	324	67	109	1412
Scale. Computing.....	F. Mulligan.....	759,735	May 10	2314	482 483	110	539
Scale. Computing.....	A. C. Dodge.....	760,432	May 24	3660	774 775	110	873
Scale. Computing.....	A. B. Camper.....	762,136	June 7	998	207	110	1655
Scale. Computing.....	A. B. Hayden.....	770,804	Sept. 27	3178	673	112	765
Scale. Computing.....	R. D. H. Anderson.....	776,715	Dec. 6	496	109	113	1587
Scale. Depth.....	W. J. Gillard.....	750,449	Jan. 26	3764	818	108	888
Scale-dial.....	J. H. Osborne.....	776,931	Dec. 6	930	201	113	1633
Scale-dial. Computing.....	C. G. Fancher.....	773,135	Oct. 25	4011	850 851	112	1891
Scale. Fluid-pressure weighing.....	H. F. Jones.....	751,325	Feb. 2	981	223	108	1265
Scale. Fluid-pressure weighing.....	H. F. Jones.....	751,326	Feb. 2	982	224	108	1266
Scale. Fluid-pressure weighing.....	H. F. Jones.....	751,327	Feb. 2	985	224	108	1266
Scale-frame.....	C. B. Hurst.....	767,690	Aug. 16	3138	656	111	1772
Scale. Grain weighing and bagging.....	A. G. H. Bostelmann.....	766,489	Aug. 2	711	149	111	1195
Scale-indicating attachment. Platform.....	F. W. and W. H. Smith.....	760,083	May 17	3000	637	110	710
Scale-indicator. Antivibrating.....	M. A. Duquett.....	772,590	Oct. 11	1771	394	112	1354
Scale-indicator. Automatic.....	J. S. Tindall.....	772,588	Oct. 18	2781	613	112	1597
Scale. Ingredient.....	R. W. Romig.....	756,710	Apr. 5	979	216	109	1553
Scale or measure. Jointed.....	B. Schlag.....	765,598	July 19	3385	713	111	768
Scale. Pocket.....	A. F. and W. Meisselbach, Jr.....	756,175	Mar. 29	5754	1371	109	1323
Scale. Price.....	L. T. Johnson.....	770,907	Sept. 27	3391	715 716	112	813
Scale. Price.....	S. W. Finch.....	774,417	Nov. 8	1689	361	113	395
Scale. Price-indicating.....	I. C. Koehne.....	770,809	Sept. 27	3189	675 676 677	112	768
Scale. Price-indicating.....	I. C. Koehne.....	770,810	Sept. 27	3202	676 677	112	772
Scale. Price or money weight.....	A. R. Beal.....	753,232	Mar. 1	11	2.3	109	5
Scale record-making apparatus. Weighing.....	L. V. Labelle.....	761,082	May 31	5012	1063 1064 1065	110	1185
Scale recording attachment.....	C. Sonnichsen.....	776,364	Nov. 29	5691	1102 1103 1104	113	1354
Scale registering device. Weighing.....	J. H. Curtis.....	776,117	Nov. 29	5319	1103 1104	113	1244
Scale relieving-gear. Track.....	R. N. Fairbanks.....	777,011	Dec. 6	1098	238 239	113	1670
Scale-removing and wire-polishing machine.....	F. Michou.....	762,180	June 7	1073	239	110	1671
Scale-removing device.....	L. Strasser.....	758,717	May 3	270	54	110	69
Scale. Self-measuring.....	J. T. Jordan.....	769,697	Sept. 13	1071	230	112	261
Scale. Spring.....	L. B. Galornneau.....	766,143	July 26	4494	962	111	1017
Scale. Spring.....	R. F. Chatillon.....	766,460	Aug. 2	628	133	111	1177
Scale. Spring.....	C. Logan.....	776,725	Dec. 6	514	113	113	1540
Scale. Spring-balance.....	O. O. Ozias.....	756,374	Apr. 5	159	33	109	1377
Scale. Spring-balance.....	A. U. Smith.....	771,214	Sept. 27	3996	845	112	945
Scale. Spring-balance.....	A. N. Ozias.....	770,754	Dec. 6	582	127	113	1554
Scale. Stenographer's.....	C. Skidmore.....	764,532	July 5	1266	263	111	280
Scale. Wagon.....	C. Skidmore.....	767,841	Aug. 16	3430	735	111	1836
Scale. Weighing.....	N. N. Pelouze.....	749,498	Jan. 12	1966	408	108	460
Scale. Weighing.....	F. A. Selley.....	751,018	Feb. 2	434	102 103	108	1153
Scale. Weighing.....	C. W. Triner.....	752,874	Feb. 23	3970	889	108	1975
Scale. Weighing.....	J. M. McKee.....	762,187	June 7	1087	290	110	1675
Scale. Weighing.....	W. H. Sargent.....	762,300	June 7	1112	238	110	1680
Scale. Weighing.....	O. N. H. J. Brotele.....	769,645	Sept. 6	962	209	112	219
Scale. Weighing.....	R. N. Fairbanks.....	777,012	Dec. 6	1100	239	113	1671
Scale. Weighing.....	J. E. Cochran.....	777,602	Dec. 13	2248	494	113	1987
Scale. Weighing and computing.....	T. A. Killman.....	770,294	Sept. 20	2320	463 464	112	536
Scales, pressure-gages, &c. Tension device for.....	W. M. Fulton.....	772,034	Oct. 11	1648	309 370	112	1327

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Scales. Relieving-gear for portable weighing.	F. W. Taylor	759,044	May 3	909	185	110	208
Scalp. Device for applying liquids to the	A. J. Farmer	753,969	Mar. 8	1514	337	109	349
Scarf-pin.	G. W. Dover	755,856	Mar. 29	5170	1144	109	1198
Scarf-pin.	G. W. Dover	755,857	Mar. 29	5171	1144	109	1198
Scarf-pins, studs, &c. Safety device for.	A. Landau	770,592	Sept. 20	2768	587	112	658
Scarfing and bending device with transfer-table.	J. F. Boax	744,228	Nov. 8	1346	287	113	321
Scarfing and bending machine	P. C. Patterson and J. J. Boax	772,759	Oct. 18	2765	610	112	1594
Scene-shifting mechanism.	H. S. Thomas	769,511	Sept. 6	731	158	112	166
Scenery, &c. of theaters. Machinery for raising and lowering stage	E. Lytton	752,571	Feb. 16	3398	751	108	1825
Scenery trimmer. Theatrical.	J. R. Clancy	749,981	Jan. 19	2894	619	108	680
Scenic effects. Apparatus for producing.	J. R. Clancy	776,173	Nov. 29	5338	1128	113	1373
Scenic effects. Apparatus for producing.	E. O. Healy	754,867	Mar. 15	3306	720	109	757
Scenic waterway. Wonderland	A. A. Welsh	760,503	May 24	3807	807	110	908
Scenographic apparatus.	E. J. Austen and H. A. Bradwell	754,532	Mar. 15	2860	577	109	617
Scenographic apparatus.	E. J. Austen	754,533	Mar. 15	2861	578	109	618
Scholar's companion.	A. E. Greves	754,558	Mar. 15	2704	587	109	628
Scholar's companion.	E. L. Kraus	767,293	Aug. 9	2361	494	111	1582
School companion.	L. Crawford	754,652	Mar. 15	3254	716	109	752
School seat and desk. Combined	J. H. Sutherland	749,640	Jan. 12	2319	468	108	516
Scissors or shears.	J. N. Byington	757,021	Apr. 12	1620	352	109	1702
Scissors-sawage.	R. Miller	753,723	Mar. 1	978	222	109	211
Scoop.	T. D. Owens, Jr.	748,878	Jan. 5	616	138	108	138
Scoop.	H. C. Metzger and W. O. Guice	751,933	Feb. 9	2152	485	108	1536
Scoop and weighing apparatus. Combined	W. S. 366	755,966	Mar. 29	5386	1189	109	1245
Scoop-board.	L. L. Haworth	764,721	July 12	1698	347	111	387
Scoop. Egg.	J. Scrimgeour, Jr., and J. Oberdorfer	772,182	Oct. 11	1955	431	112	1392
Scoop. Measuring.	F. S. Bishop	775,326	Nov. 22	3598	762	113	870
Scoop or ladle.	I. A. Rommer	772,674	Oct. 18	2941	645	112	1631
Scourer.							
See Grain-scourer.							
Scouring-board.	J. Adams	759,147	May 3	1097	223	110	249
Scouring-machine.	A. Pletsch	748,786	Jan. 5	426	97	108	85
Scouring machine. Woven-fabric.	J. Schweiter	757,148	Apr. 12	1870	408	109	1758
Scraper.	J. O. Wagner	762,963	June 21	2687	582	110	2061
Scraper.	S. Meeker	770,647	Sept. 20	2872	610	112	681
Scraper.	F. K. Hoover and A. J. Mason	775,081	Nov. 15	3043	646	113	720
Scraper and dumping device. Combined dumping.	W. S. Deidrich	768,428	Aug. 23	4702	985	111	2143
Scraper and shovel-plow	N. McLaughlin	772,367	Oct. 18	2346	515	112	1393
Scraper. Dipper.	L. H. Johnson	750,456	Jan. 29	3725	923	108	892
Scraper. Feed-lot.	W. T. McBride	758,769	May 3	385	77	110	95
Scraper. Land.	C. E. Reed	751,106	Feb. 2	593	137	108	1187
Scraper. Road.	W. Ellis	765,231	July 19	2663	554	111	613
Scraper. Road.	S. R. Johnson	768,161	Aug. 23	4189	881	111	2023
Scraper. Road.	E. A. Wright	768,645	Aug. 30	5159	1085	111	2260
Scraper. Road.	J. W. Bishop	771,698	Oct. 4	934	210	112	1150
Scraper. Wheeled.	T. R. McKnight	773,092	Oct. 25	3857	823	112	1853
Scraper. Wheeled.	C. H. Sawyer	773,991	Nov. 1	922	192	113	210
Scraper. Wheeled.	H. N. and G. N. Baker	776,165	Nov. 29	5915	1124	113	1267
Scraper on agricultural implements. Mounting for rotary	A. E. Watson	762,783	June 14	2317	506	110	1958
Scraping-machine.	D. C. Maytag	761,896	June 7	575	114	110	1567
Screen.							
See Bumping-screen.	Roller-screen.						
Centrifugal screen.	Rotary screen.						
Fire-screen.	Sand-screen.						
Flexible screen.	Shaking-screen.						
Fly-screen.	Vibrating screen.						
Grain-screen.	Well-screen.						
Ore-screen.	Window-screen.						
Pulp-screen.	Window or door screen.						
Screen.	W. E. Porter	749,578	Jan. 12	2104	438	108	493
Screen.	U. S. Briggs	751,375	Feb. 2	1113	252	108	1294
Screen.	D. D. Pinkham	754,799	Mar. 15	3170	691	109	726
Screen.	D. D. Pinkham	754,800	Mar. 15	3172	692	109	727
Screen.	T. L. and T. J. Sturtevant	755,073	Mar. 22	3675	806	109	856
Screen.	W. E. Monroe	767,487	Aug. 16	2745	576	111	1686
Screen.	L. Lacaille	771,647	Oct. 4	843	189	112	1139
Screen.	E. Hipolito	772,098	Oct. 11	1785	396	112	1358
Screen.	S. W. Traylor	777,702	Dec. 20	2423	534	113	1992
Screen.	S. W. Traylor	777,703	Dec. 20	2434	535	113	1993
Screen-bin. Portable	D. B. Cook	770,353	Sept. 20	2327	491	112	561
Screen hanger and fastener. Swinging	W. Romuender and E. J. Fellman	766,528	Aug. 2	788	166	111	1214
Screen hanger. Half-sized.	H. B. Higgins	754,771	Mar. 15	3107	678	109	714
Screen-operating mechanism. Diaphragm.	G. H. Marr	760,891	May 24	4592	979	110	1077
Screen-plate fastener	T. L. Reynolds	773,423	Oct. 25	4631	978	112	2026
Screens.	E. E. Stover	733,332	Mar. 8	1443	394	109	333
Screens. Fly-exit for.	A. B. Bateman	751,043	Feb. 2	480	112	108	1164
Screening apparatus.	S. R. Still	776,269	Nov. 29	5519	1169	113	1313
Screw-cutting die	H. E. Adt	764,410	July 5	1024	209	111	227
Screw-cutting die-head	W. Morgan	751,536	Feb. 9	1379	314	108	1370
Screw-cutting implement.	H. B. Keiper	758,840	May 3	517	105	110	124
Screw-cutting machine	E. Lange	772,362	Oct. 18	2339	513	112	1502
Screw-cutting stock and die.	J. Vorbach	765,527	July 19	3263	683	111	741
Screw-driver	G. E. B. Parkin	748,879	Jan. 5	618	130	108	138
Screw-driver	J. P. A. Hanlon	750,849	Feb. 2	133	30	108	1087
Screw-driver	G. E. Wood	753,186	Feb. 23	4581	1021	108	2112
Screw-driver	J. S. Pullman	753,211	Feb. 23	4643	1033	108	2125

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Screw-driver	O. Ohlson	761,391	May 31	5620	1196	110	1318
Screw-driver	S. E. Condon	762,290	June 14	1283	276	110	1739
Screw-driver	G. E. Wood	765,302	July 19	2789	582	111	639
Screw-driver	T. W. Fisher	768,441	Aug. 23	4736	891	111	2148
Screw-driver	F. A. Wagner	778,593	Oct. 18	2790	614	112	1599
Screw-driver	W. Rundquist	774,112	Nov. 1	1144	244	113	259
Screw-driver and holder. Combined.	S. P. Lapham	766,370	Aug. 2	269	52	111	1100
Screw-driver. Reversible	Z. T. Furbish	750,182	Jan. 19	327	705	108	758
Screw-driver screw-holding attachment	H. V. Allam	772,912	Oct. 25	2436	744	112	1756
Screw for metal, wood, &c., and means for operating same.	G. C. Smith	755,804	Mar. 29	5060	1124	109	1171
Screw guard. Set.	C. E. Pierce	761,708	June 7	175	33	110	1477
Screw holder and driver	C. Lusted, Sr.	775,427	Nov. 22	3821	808	113	921
Screw-jack. Trestle.	H. Edeline	758,481	Apr. 26	4443	955	109	2352
Screw-key. Ratchet	W. J. O'Connell	751,055	Feb. 2	499	116	108	1168
Screw-machine.	G. Sittman and W. H. Pitt	748,667	Jan. 5	216	52	108	47
Screw-making machine	A. M. Stillman	765,327	July 19	2852	597	111	653
Screw-making machine	E. C. Henn	769,159	Sept. 6	40	10	112	11
Screw or bolt	J. Thomson	771,386	Oct. 4	226	50	112	1009
Screw or bolt head lock	G. W. Kennard	753,403	Mar. 1	337	76	109	75
Screw. Steel	M. Carstens	751,258	Feb. 2	911	207	108	1251
Screw-thread-trimming tool	W. E. Corkrey	753,826	Mar. 1	1928	276	108	383
Screw-threading and welding rings. Apparatus for	G. W. La Voo	751,859	Feb. 9	3009	454	108	1505
Screw-threading and welding thread-protectors, &c.	A. M. Saunders	762,947	June 21	2661	576	110	2055
Screw-threading die	A. J. Smart	777,442	Dec. 13	1915	422	113	1806
Scrip-meter	G. E. Beach	762,511	June 14	1762	876	110	1548
Scrub-hook	J. McLean	761,132	Jan. 4	484	96	108	1548
Scrubber	J. Jester	749,296	Jan. 12	1529	324	108	368
Scrubber and mop. Combined	J. A. Zerbe	758,803	May 3	445	89	110	109
Scrubber, mop, and wringer. Combined.	L. Wagener	749,506	Jan. 12	1978	411	108	463
Scrubbing appliance	O. F. Swift	752,124	Feb. 16	2515	559	108	1635
Scrubbing-machine	E. J. Stewart	758,714	May 3	266	52	113	69
Scrubbing-machine	H. J. Noll	778,427	Dec. 27	3909	851	113	2319
Scrubbing-machine. Revolving	W. J. Tangerman	773,436	Oct. 25	4653	982	112	2090
Sculptor's copying-machine	R. T. Paine	757,833	Apr. 19	3244	704	109	2069
Scuttle-cover lock	O. Adams	768,418	Aug. 22	4684	981	111	2140
Sea-beaches. Device for reclaiming and retaining.	C. H. Landenberger, Jr.	762,227	June 14	2211	480	110	1385
Seal	E. J. Brooks	750,620	Jan. 19	2979	637	108	698
Seal	F. W. Brooks	758,896	May 3	639	127	110	151
Seal	A. B. Schofield	766,199	Aug. 2	89	16	111	1061
Seal. Bottle	W. S. Dorman	753,245	Mar. 1	45	15	109	15
Seal. Bottle	A. R. Robertson	755,047	Mar. 22	3626	796	109	844
Seal. Bottle	F. A. Hoops	755,573	Mar. 22	4573	1017	109	1046
Seal. Bottle	E. D. Schmitt	756,715	Apr. 5	1004	222	109	1556
Seal. Bottle	B. L. Wood	761,932	June 7	637	128	110	1580
Seal. Bottle	W. E. Heath	766,947	Aug. 9	1698	356	111	1439
Seal. Bottle	W. E. Heath	775,651	Nov. 22	4310	910	113	1028
Seal. Bottle	W. E. Heath	775,652	Nov. 22	4313	910	113	1028
Seal. Bottle, &c.	G. H. Gillette	775,917	Nov. 29	4821	1022	113	1154
Seal. Car.	A. W. Morgan	749,317	Jan. 12	1572	333	108	378
Seal. Car.	W. K. Edgar	759,355	May 10	1601	322	110	383
Seal. Car.	J. Schneider	765,302	July 19	2815	546	111	603
Seal. Car, &c.	L. J. Campbell	765,766	July 26	3741	799	111	855
Seal. Car.	W. M. McIntosh	770,774	Sept. 27	3117	661	112	753
Seal. Car.	E. B. Williams and H. R. Hinson	774,408	Nov. 8	1674	359	113	392
Seal for bags, &c.	L. J. Simmons	754,099	Mar. 8	1759	391	109	408
Seal for screw-nuts, &c.	E. J. Brooks	770,257	Sept. 20	2113	444	111	510
Seal for sheet-metal vessels	M. Mauran	775,983	Nov. 29	4977	1050	113	1189
Seal-lock	W. L. Sebring	751,650	Feb. 9	1670	378	108	1432
Seal-lock	J. D. C. Knapp	757,814	Apr. 19	3214	698	109	2063
Seal-lock	L. A. Foote	771,619	Oct. 4	788	175	112	1127
Seal-lock	J. J. Russell	777,749	Dec. 20	2514	555	113	2010
Seal. Lock-	A. E. Wilson	777,708	Dec. 20	2143	537	113	1995
Seal. Meter-	D. de Lancey and H. M. Smith	753,080	Feb. 23	4403	979	108	2073
Seal. Meter-coupling	W. H. Larrabee	770,812	Sept. 27	3214	677	112	775
Seal. Notarial	E. E. Winpenny	772,900	Oct. 25	3617	774	112	1127
Seal-press	E. E. Kirkpatrick	773,414	Dec. 27	3885	846	113	2314
Seal. Self-locking	E. Tyden	777,868	Dec. 20	2790	613	113	2066
Seal. Self-locking	E. Tyden	777,869	Dec. 20	2793	613	113	2067
Seal. Sheet-metal	F. W. Brooks	777,329	Dec. 13	1694	375	113	1818
Seal. Snap	E. J. Brooks	768,510	Aug. 23	4855	1018	111	2175
Sealing and delivering mechanism. Envelop.	H. Harte	749,378	Jan. 12	1698	361	108	405
Sealing and stamp-affixing machine. Envelop-	J. C. Parker	765,097	July 12	2428	505	111	543
Sealing cans. Crimping-tool for	M. Mauran	777,909	Dec. 20	2584	635	113	2084
Sealing-cap.	W. E. Heath	762,716	June 14	2192	477	110	1931
Sealing-cap. Bottle.	A. A. Wood	777,168	Dec. 13	1394	808	113	1752
Sealing device.	W. E. Heath	756,232	Apr. 5	78	17	109	1359
Sealing device.	W. E. Heath	756,233	Apr. 5	80	18	109	1360
Sealing device for separated sheets arranged in a pile.	W. R. Morson	772,626	Oct. 18	2851	628	112	1612
Sealing envelopes and mailable matter and affixing stamps thereto. Machine for	J. N. Stacy	757,574	Apr. 19	2744	600	109	1960
Sealing envelopes. Machine for automatically	L. C. Babcock	758,497	Apr. 26	4563	980	109	2380
Sealing jars or packages. Means for and method of.	W. W. Vaughan	774,120	Nov. 1	1157	247	113	262
Sealing machine. Carton-	J. H. Weeks	751,822	Feb. 9	1931	438	108	1487
Sealing machine. Envelop-	H. Harte and R. J. Stevens	749,377	Jan. 12	1695	360	108	405
Sealing machine. Envelop-	J. L. Harrington and J. J. Schermack	758,359	Apr. 26	4297	923	109	2319

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Sealing machine. Envelop.	L. Madas	758,992	May 3	810	163 164	110	187
Sealing machine. Envelop.	C. J. Fancher	761,821	June 7	428	86, 87	110	1534
Sealing machine. Envelop.	J. C. Seyl and D. G. Butts.	763,697	June 28	4118	898	110	1944
Sealing machine. Envelop.	L. Madas	773,952	Nov. 1	841	176 177	113	193
Sealing machine. Package.	R. F. W. Beardsley	749,681	Jan. 12	2296	485 486	108	533
Sealing machine. Package.	R. F. W. Beardsley	749,682	Jan. 12	2300	486	108	534
Sealing vessels. Method of and means for.	J. M. Hicks	774,425	Nov. 8	1700	364	113	398
Sealing wax melting and applying device.	S. J. Johnson.	763,767	June 28	4244	925	110	2422
Sealing wrench. Jar.	L. D. Burlingham	750,163	Jan. 19	3242	659	108	752
Seam. Boiler.	G. H. Rheutan	776,758	Dec. 6	592	128	113	1557
Seam for metallic roofing.	F. J. Pioch	762,939	June 21	2650	574	110	2052
Seam-ripper.	M. J. Bacon.	753,655	Mar. 1	896	188	109	182
Seam-ripper.	A. M. Minter	764,064	July 5	296	57	111	67
Seams in sheet-metal cans. Machine for producing body.	R. C. Sayer.	763,023	June 21	2784	604	110	2082
Seaming head. Double.	A. Slaysman	757,238	Apr. 12	2037	444 445	109	1794
Seaming machine. Can.	A. D. Luginbuhl and H. D. Zehrbaach.	767,651	Aug. 16	3070	641	111	1758
Seaming machine. Can.	A. Wulff.	772,017	Oct. 11	1602	363 364	112	1816
Search-light.	W. O. Webber	762,215	June 7	1138	244	110	1687
Search-light mounting.	W. O. Webber and J. McGeorge	766,559	Aug. 2	853	179	111	1228
Search-light projectors. Protective disappearing platform for	E. H. Schulz.	777,644	Dec. 13	2328	510	113	1953
Search-light projectors. Signal device for	R. H. Read	751,013	Feb. 2	427	511	108	1151
Search-light system.	W. O. Webber	776,710	Dec. 6	485	106	113	1534
Seasickness. Apparatus for the prevention of	C. Brendel	769,466	Sept. 6	650	139	112	148
Seat:							
See Agricultural machine seat.	Dray-seat.						
Automatic dry covered seat.	Farm-machinery seat.						
Bath-tub seat.	Folding seat.						
Buggy-seat.	Locomotive-cab seat.						
Car-seat.	Pneumatic seat.						
Convertible seat.	School-seat.						
Convertible seat.	Spring-seat.						
Seat-brace	C. B. Limerick	776,857	Dec. 6	801	173	113	1698
Seat-cushion	H. S. Hale	778,239	Dec. 27	3515	773	113	2234
Seat foot-rest	T. Swan	757,245	Apr. 12	2051	447	109	1797
Seat-lock	H. C. Swan	754,173	Mar. 8	1884	480	109	432
Seat-shaping implement.	J. P. Bolding	735,504	Apr. 26	4583	985	109	2385
Seat-spider	H. W. Boleus	754,413	Mar. 15	2104	526	109	559
Seating-bench	J. C. Wolf	753,778	Mar. 1	1093	248	109	236
Seaweed. Treating.	D. M. Balch	771,760	Oct. 4	1055	112	1185	
Secondary battery	L. H. Flanders	757,446	Apr. 19	2468	526	109	1900
Secondary battery	J. P. Clare	762,882	June 21	2532	549	110	2026
Secondary battery	J. W. Madigan	763,565	June 28	3863	837	110	2340
Secondary battery	O. H. F. C. Walter	766,078	July 26	4346	933	111	984
Secondary battery	L. Fiedler	770,277	Sept. 20	2179	454	112	596
Secondary or storage battery.	C. Potter	769,403	Sept. 6	523	115	112	118
Sectional boiler	P. J. Mulvey	760,548	May 24	3885	827	110	928
Sectional boiler	D. S. Richardson	761,252	May 31	5338	1133 1134	110	1255
Sectional case	O. O. Buice	758,506	Apr. 26	4588	985	109	2386
Sectional case	A. E. Stenshaug	774,540	Nov. 8	1920	417	113	444
Sediment-removing composition	E. B. Bruckmiller	768,147	Sept. 6	11	3	112	5
Seed bin. Cotton.	E. J. Afenan	778,732	Dec. 27	4473	979	113	2442
Seed-cleaner attachment. Cotton.	R. T. Cook	769,251	Sept. 6	226	53	112	49
Seed cleaner. Cotton.	J. W. Harrington	751,639	Feb. 9	1582	360	108	1413
Seed-cleaning apparatus. Cotton.	D. Stansell and X. Gee	752,372	Feb. 23	3965	889	108	1974
Seed-cleaning machine. Cotton.	J. Davidson	758,300	Apr. 26	4188	901 902	109	2297
Seed-cleaning machine. Vegetable.	J. B. Green	775,675	Nov. 22	4362	920 921	113	1038
Seed delineter. Cotton.	R. Derdeyn	753,373	Mar. 1	279	62	109	63
Seed-disk. Rotary	M. Mitchell	763,308	June 21	3339	723 724	110	2205
Seed-drill	R. Commichau	770,161	Sept. 13	1928	411	112	451
Seed-drill	M. Mitchell	770,185	Sept. 13	1972	419	112	460
Seed-drill attachment	B. Mylor.	755,523	Mar. 22	4484	696 697	109	1027
Seed-dropping mechanism	W. J. Anderson and J. W. Horney.	764,544	July 12	1329	270	111	308
Seed from clover-seed. Separating buck and plan-tain	J. P. Burgess	772,922	Oct. 25	3447	747	112	1760
Seed-gatherer	J. Hall.	765,821	July 26	3883	827	111	884
Seed-huller	S. J. Ellis	748,852	Jan. 5	564	128	108	127
Seed-huller	F. A. Wells	751,705	Feb. 9	1696	386	108	1437
Seed huller. Cotton.	M. W. Faherty	752,965	Feb. 23	4186	933	108	2023
Seed huller. Cotton.	D. A. Tompkins	774,369	Nov. 8	1602	344	113	378
Seed hulls or cotton-waste. Treating cotton.	H. F. Bockmeyer	759,800	May 10	2155	110	110	371
Seed-linter attachment. Cotton.	J. W. Harrington	751,638	Feb. 9	1580	360	108	1413
Seed-linter feeding mechanism. Cotton.	J. S. Munro.	757,137	Apr. 12	1852	405	109	1754
Seed separator and cleaner. Cotton.	W. L. Crowson	768,858	June 28	4428	964	110	2459
Seed separator. Cotton.	F. T. Pinter.	769,711	Sept. 13	1102	236	112	267
Seeder and cultivator. Combined	G. W. Denyes and O. Schutt	759,247	May 10	1375	274	110	334
Seeder and planter	W. L. Cassaday	755,613	Mar. 29	4659	1035 1036	109	1079
Seeder. Clover and grass	A. M. Highsmith	773,739	Nov. 1	391	86	113	92
Seeder-feeder	F. L. Morgan	763,067	June 21	2878	622	110	2103
Seeder for poultry-yards	W. H. Strathmann	759,907	Apr. 12	1381	368	109	1653
Seeding-machine	W. Sobey	759,565	May 10	1390	407	110	470
Seeding-machine	L. E. Waterman.	764,220	July 5	638	129	111	141

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Diag.	Vol.	Page.
Seeding-machine.	L. E. Waterman.	765,114	July 12	2456	512	111	550
Seeding-machine.	W. M. Gibbs.	765,968	July 26	4137	884	111	942
Seeding-machine.	A. Lindgren.	773,947	Nov. 1	882	174	113	191
Seeding-machine.	A. Lindgren.	774,095	Nov. 1	1117	298	113	253
Seeding-machine.	W. S. Graham.	778,380	Dec. 27	3780	824	113	2290
Seeding-machine. Duplex.	J. M. W. Long.	776,858	Dec. 6	802	174	113	1603
Seeding-machine feed.	L. E. Roby.	770,245	Sept. 13	2090	439	112	480
Seeding-machine. Force-feed.	H. C. Ham.	758,134	Apr. 26	3846	835	109	2221
Seedbox.	R. Bassett.	757,645	Apr. 19	2889	629	109	1992
Seesaw amusement apparatus.	W. H. Gilman.	753,197	Feb. 23	4608	1026	108	2119
Segmental rack.	W. H. Voss.	777,706	Dec. 20	2440	536	113	1994
Seine-hauling apparatus.	H. C. Albee.	754,833	Mar. 15	3231	704	109	741
Seining.	A. Yancey.	778,816	Dec. 27	4645	1015 1016	113	2481
Selecting apparatus and system. Automatic.	J. T. Fisk.	763,972	July 5	77	13	111	24
Selective system. Individual.	B. Brooks and H. F. Metcalf.	766,806	Aug. 9	1400	294	111	1374
Self-adjusting wheel.	E. A. Root and C. M. Wallace.	754,894	Mar. 15	3351	732	109	766
Self-centering plate.	J. Kahn.	775,927	Nov. 29	4838	1025	113	1157
Self-clamping bracket. Adjustable.	C. H. J. Dilg.	766,605	Aug. 2	956	200	111	1254
Self-clearing rake.	J. Morrison, Jr.	758,267	Apr. 26	4102	887	109	2276
Self-filling heater or cooler.	T. Valerius.	755,192	Mar. 22	3887	857	109	900
Self-igniting burner.	G. Oberlander.	757,218	Apr. 12	2001	435	109	1786
Self-lubricating wheel for cars, &c.	C. J. Gustafson.	751,635	Feb. 9	1576	358	108	1412
Semaphore. Electric.	D. Boisvert.	757,722	Apr. 19	3030	659	109	2022
Semaphore mechanism.	W. F. Taylor, Jr.	748,814	Jan. 5	488	160	108	110
Semielliptic spring.	E. Cliff.	752,034	Feb. 16	2331	528	108	1598
Semielliptic spring.	C. A. Shea.	754,715	Mar. 15	3021	660	109	694
Separating and purifying granulated materials. Machine for.	C. T. Rowland and L. F. Longmore.	771,273	Oct. 4	104	23, 24	112	994
Separating apparatus.	W. E. Anderson and S. Tompkins.	773,180	Oct. 25	4124	871	112	1917
Separating apparatus. Magnetic.	T. A. Edison.	759,338	May 10	1609	324	110	384
Separating collated articles. Device for.	B. F. Ennis.	776,829	Dec. 6	743	162	113	1590
Separating device.	D. K. Swartwout.	767,721	Aug. 16	3187	668	111	1784
Separating, grading, and polishing machine.	C. T. Rowland and L. F. Longmore.	770,781	Sept. 27	3134	665	112	756
Separating impurities from granular or like substances. Machinery for.	J. H. Roberti.	756,285	Apr. 5	184	38	109	1383
Separating lump material.	A. Langerfeld.	753,591	Mar. 1	720	161	109	157
Separating materials of different gravities. Apparatus for.	H. A. Allen.	762,868	June 21	2511	544	110	2021
Separating materials of different gravities. Apparatus for.	H. A. Allen.	762,870	June 21	2516	545	110	2022
Separation. Process of.	A. Schwarz.	766,289	Aug. 2	309	63	111	1109
Separator.							
See Ash-separator.	Grain-separator.						
Butter-separator.	Hydraulic separator.						
Centrifugal separator.	Liquid-separator.						
Coal-separator.	Magnetic separator.						
Cotton-separator.	Milk and cream separator.						
Cream-separator.	Mineral-separator.						
Dental separator.	Oil-separator.						
Dry separator.	Oil and steam separator.						
Dust-separator.	Oil and water separator.						
Egg-separator.	Ore-separator.						
Electric separator.	Ore and slime separator.						
Electromagnetic separator.	Seed-separator.						
Gas-separator.	Shaking-separator.						
Gas and water separator.	Silt and sand separator.						
Gold-separator.	Steam-separator.						
Water and gas separator.							
Separator.	O. S. Emerson.	749,280	Jan. 12	1498	319	108	360
Separator.	D. L. Adelsperger.	750,071	Jan. 19	3074	660	108	716
Separator.	W. J. Reilly.	752,418	Feb. 16	3091	685	108	1763
Separator.	T. H. Ray.	753,313	Mar. 1	179	40	109	42
Separator.	A. Langerfeld.	753,592	Mar. 1	723	162	109	157
Separator.	H. J. Silvis.	754,394	Mar. 8	2349	513	109	520
Separator.	E. P. Waggoner.	761,114	May 31	5078	1078	110	1199
Separator.	R. W. Jessup.	762,416	June 14	1555	341	110	1796
Separator.	J. F. A. Bruun.	764,419	July 5	1040	212	111	231
Separator.	F. H. Bemis.	772,860	Oct. 18	3307	721	112	1711
Separator.	F. F. Vater.	773,830	Nov. 1	555	121	113	128
Separator.	C. W. Colvin.	773,928	Nov. 1	799	168	113	184
Separator.	A. J. Greenaway.	774,518	Nov. 8	1885	409	113	437
Separator.	A. J. Greenaway.	774,519	Nov. 8	1885	409	113	437
Separator.	H. J. Silvis.	775,004	Nov. 15	2883	616	113	681
Separator and cleaner.	C. F. Hettinger.	765,836	July 26	3897	830	111	887
Separator-grate.	N. F. Metz.	764,609	July 12	1596	326	111	365
Separator leveling holder.	A. B. Peirung.	776,016	Nov. 29	5040	1063	113	1204
Separator liner. Centrifugal.	C. T. Rowland and L. F. Longmore.	776,102	Nov. 29	5196	1098	113	1239
Separator or grader.	P. A. M. Arnberg.	772,377	Oct. 18	2365	519	112	1507
Separator-sieve.	W. C. Black.	759,068	May 8	954	193	110	217
Separators.	J. J. Berrigan.	775,510	Nov. 22	3987	841	113	956
Serum holder.	F. K. Stearns.	766,121	July 26	4440	951	111	1005
Serum storing and administering device.	F. G. Ryan.	754,015	Mar. 8	1591	355	109	367
Service-cup.	W. S. Apple and H. K. Mundorf.	758,949	May 8	744	147	110	173
	A. W. Beers.	765,763	July 26	3735	798	111	354

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Set-works	J. J. Galway	753,973	Mar. 8	1520	339	109	351
Setting-machine	E. L. Pupke	753,431	Mar. 1	402	94	109	87
Sewage-disposal system	W. L. Church and G. E. Hill	762,466	June 14	1668	360	110	1820
Sewage-ejector. Automatic	E. Yeomans	757,169	Apr. 12	1910	417	109	1767
Sewage. Purifying	J. W. Alvord	770,490	Sept. 20	2582	418	112	618
Sewage-purifying apparatus	F. Martin	760,543	May 24	3885	825	110	926
Sewage-treating apparatus	W. J. Schweitzer	763,026	June 21	2789	826	110	3083
Sewer	C. F. Leopold and A. J. Hoover	778,135	Dec. 20	3924	605	113	2175
Sewer-cap. Artificial-stone	J. E. Bedell	760,841	May 24	4510	606	110	1059
Sewer-center	W. D. Kelley	767,111	Aug. 9	2018	961	111	1509
Sewer-cleaning machine	P. J. Healey	775,677	Nov. 22	4366	420	113	1039
Sewer-coupling	M. Dillenburg	769,131	Aug. 30	6141	921	111	2478
Sewer-inlet grating	L. H. Miner	757,049	Apr. 12	1678	124	109	1715
Sewer-lift	G. V. Ellis	772,710	Oct. 18	3024	364	112	1650
Sewer, &c., mold	J. B. Blaw	768,025	Aug. 23	3840	803	111	1944
Sewer-pipe and coupling	J. M. Phelan and H. Billings	770,383	Sept. 20	2380	503	112	572
Sewer-pipe-cleaning apparatus	W. H. Stewart	768,867	Aug. 30	5611	1179	111	2359
Sewer system. Septic	W. A. Reid and E. J. Hanley	778,506	Dec. 27	4065	887	113	2352
Sewer-system ventilating-pipe	F. Struhs	755,254	Mar. 22	3996	886	109	922
Sewer-trap	F. Osterle	756,046	Mar. 29	5526	1218	109	1275
Sewer-trap	W. Hunt	777,420	Dec. 13	1871	413	113	1856
Sewed articles. Seam for	H. A. Webster	757,374	Apr. 12	3219	507	109	1838
Sewing bench. Book	H. S. MacGregor	756,256	Apr. 5	127	26	109	1370
Sewing-cabinet	O. Yates	760,365	May 17	3528	743	110	828
Sewing hooks and eyes on cards. Machine for	F. S. Slauter	760,811	May 24	4452	948	110	1046
Sewing-machine	E. H. Cooper and C. Schütz	751,056	Feb. 2	501	116	108	1169
Sewing-machine	E. H. Cooper and C. Schütz	751,057	Feb. 2	504	117	108	1170
Sewing-machine	R. G. Woodward	753,187	Feb. 23	4582	1021	108	2112
Sewing-machine	E. J. Toof	761,558	May 31	5907	1266	110	1382
Sewing-machine attachment	R. H. Legg	753,987	Mar. 8	1540	344	109	355
Sewing-machine attachment	G. I. Green	763,880	June 28	4472	974	110	2469
Sewing-machine attachment. Buttonhole	L. Ecker	756,483	Apr. 5	582	123	109	1465
Sewing-machine-attachment holder	L. P. Zimmer	770,707	Sept. 20	2969	635	112	707
Sewing-machine. Bag	J. F. Ames	769,453	Sept. 6	610	134	112	138
Sewing-machine binder	W. R. Abercrombie	753,834	Mar. 8	1243	280	109	289
Sewing-machine. Blindstitch	C. E. Hadley	768,327	Aug. 23	4471	939	111	2085
Sewing-machine. Blindstitching	C. F. Filor	774,721	Nov. 8	2279	493	113	522
Sewing-machine. Blindstitching	C. F. Filor	774,722	Nov. 8	2284	494	113	523
Sewing-machine. Blindstitching	C. F. Filor	774,723	Nov. 8	2288	495	113	524
Sewing-machine hobbin-winding attachment	R. H. Legg	770,179	Sept. 13	1954	417	112	456
Sewing machine. Button	R. L. Lyons	758,326	Apr. 26	4239	911	109	2307
Sewing machine. Button	F. H. Chilton	761,285	May 31	5402	1150	110	1269
Sewing machine. Button	J. Diehl	766,814	Aug. 9	1425	298	111	1377
Sewing machine. Button	W. A. Mack	766,833	Aug. 9	1470	308	111	1388
Sewing machine. Buttonhole	W. E. Goodyear	749,437	Jan. 12	1817	381	108	430
Sewing machine. Buttonhole	C. A. Dahl	749,721	Jan. 19	2298	507	108	571
Sewing machine. Buttonhole	C. A. Dahl	749,776	Jan. 19	2513	534	108	597
Sewing machine. Buttonhole	D. Noble	753,093	Feb. 23	4422	983	108	2077
Sewing machine. Buttonhole	D. Mills	764,859	July 12	1976	408	111	448
Sewing machine. Buttonhole	A. Jude	765,341	July 19	2888	603	111	662
Sewing machine. Buttonhole	D. H. Haywood	767,478	Aug. 16	2721	572	111	1679
Sewing machine. Buttonhole	J. T. Hogan	767,480	Aug. 16	2729	573	111	1682
Sewing machine. Buttonhole	D. Noble	771,923	Oct. 11	1412	321	112	1275
Sewing-machine buttonhole-cutter	A. Jude	775,565	Nov. 22	4136	870	113	988
Sewing-machine cabinet	W. C. Free	755,292	Mar. 22	4059	871	109	936
Sewing-machine cabinet	W. C. Free	759,363	May 10	1618	326	110	386
Sewing-machine cabinet	W. Person	769,018	Aug. 30	5921	1241	111	2431
Sewing-machine cabinet	S. H. Wheeler	778,390	Dec. 27	3828	836	113	2301
Sewing-machine. Carpe	J. M. Connan	771,793	Oct. 4	1130	324	112	1200
Sewing-machine. Chain-stitch	R. G. Woodward	765,120	July 12	2460	515	111	553
Sewing-machine cloth-clamp. Buttonhole	F. W. Ostrom	776,347	Nov. 29	5662	1199	113	1346
Sewing-machine cloth-presser	C. M. Abercrombie	778,393	Dec. 27	3837	838	113	2303
Sewing machine. Corset	S. Boyle	757,966	Apr. 19	3496	758	109	2126
Sewing-machine coupling	J. M. Jackson	749,295	Jan. 12	1537	324	108	387
Sewing-machine drop-table	W. Grothe	749,787	Jan. 19	2533	538	108	601
Sewing-machine fan attachment	M. Steiner	749,638	Jan. 19	2316	467	108	516
Sewing-machine feed mechanism	J. C. Fogarty	767,981	Aug. 16	3200	761	111	1673
Sewing-machine feed mechanism	H. C. Peters	768,540	Aug. 23	4920	1030	111	2189
Sewing-machine feed mechanism	J. H. and J. B. Ursbruck	770,447	Sept. 20	2487	528	112	595

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Sewing-machine feed mechanism	C. E. Hadley	771,010	Sept. 27	3590	756	112	860
Sewing-machine feed mechanism	H. W. Larsson	775,011	Nov. 15	2898	737	113	685
Sewing-machine feeding device. Book-	C. M. Hill and G. Stahl	762,999	June 21	2740	595	110	2072
Sewing-machine feeding mechanism	D. Noble	754,934	Mar. 15	3416	747	109	780
Sewing-machine feeding mechanism	D. Noble	763,624	June 28	3959	862	110	2359
Sewing-machine feeding mechanism	C. E. Hadley	768,328	Aug. 23	4474	940	111	2086
Sewing-machine feeding mechanism. Book-	R. Mitchell	752,791	Feb. 23	3800	851	108	1937
Sewing-machine feeding mechanism. Carpet-	J. Wittenmann	749,249	Jan. 12	1417	304	108	845
Sewing machine. Filled-bag	756,569	Apr. 5	726	157	109	1496	
Sewing machine. Filled-bag	M. C. Ellison	773,631	Nov. 1	178	39, 40	113	45
Sewing machine. Filled-sack	M. C. Ellison	771,618	Oct. 4	785	174	112	1127
Sewing-machine for felling	P. E. Kaufman	763,001	June 21	2749	497	110	2074
Sewing-machine for forming groups of stitches	J. J. Sullivan	777,564	Dec. 13	2169	475	113	1921
Sewing-machine for overseaming and finishing edges of fabrics.	R. W. Scott	767,173	Aug. 9	2149	446	111	1535
Sewing-machine. Fur	C. E. Hadley	765,299	July 19	2678	557	111	616
Sewing-machine gage	M. L. Holderman	770,008	Sept. 13	1662	353	112	393
Sewing machine. Glove	A. E. Lindner	772,044	Oct. 11	1673	373	112	1332
Sewing-machine guide	G. Gioiosa	751,069	Feb. 2	525	122	108	1175
Sewing-machine guide	A. Crawford	751,615	Feb. 9	1540	349	108	1404
Sewing-machine guide	O. Kiesewetter and L. H. Ehlers	754,320	Mar. 8	2159	478	109	488
Sewing-machine guide	R. L. Clarke	764,180	July 5	338	105	111	118
Sewing-machine guide	773,301	Aug. 9	2373	496	111	1584	
Sewing-machine guide	G. C. Perry	776,683	Dec. 6	483	96	113	1524
Sewing-machine guide. Fur or carpet	C. H. Cunningham	770,678	Sept. 20	2985	623	112	697
Sewing-machine hand-lever attachment	J. W. Wheeler	752,738	Feb. 23	3711	828	108	1918
Sewing-machine hemmer attachment	A. Laubscher	753,381	Mar. 8	1333	305	109	312
Sewing-machine hemmer guide	H. Blaskopf	755,348	Mar. 22	4175	923	109	961
Sewing-machine. Hemstitch	M. C. Abercrombie	776,822	Dec. 6	716	159	113	1584
Sewing-machine hemstitch attachment	A. Laubscher	778,367	Dec. 27	3793	828	113	2294
Sewing-machine hemstitching attachment	G. W. Freeman	777,621	Dec. 13	2280	601	113	1943
Sewing-machine illuminator	P. Englund	757,900	Apr. 19	3373	729	109	2307
Sewing-machine looper mechanism	L. Onderdonk	775,014	Nov. 15	2903	620	113	686
Sewing-machine lubricator	W. F. Dial and G. H. Dimond	772,502	Oct. 18	2620	576	112	1562
Sewing-machine magnifying attachment	S. Jones	756,024	Mar. 29	5494	1212	109	1288
Sewing-machine motor	J. H. Macon, Jr.	757,026	Apr. 19	3860	624	109	1896
Sewing-machine motor	H. J. Young	767,128	Aug. 9	2049	426	111	1515
Sewing-machine needle	E. J. Hall	775,036	Nov. 15	2947	628	113	697
Sewing-machine needle	W. Y. A. Boardman	777,065	Dec. 13	1215	266	113	1744
Sewing-machine needle-bar connection	R. C. Abercrombie	769,039	Aug. 30	5963	1249	111	2410
Sewing-machine needle. Self-threading	J. M. Farmer	752,213	Feb. 16	2678	593	108	1673
Sewing-machine needle-threading attachment	L. Bernard	751,827	Feb. 9	1946	442	108	1491
Sewing-machine needle-vibrating mechanism	J. T. Hogan	750,648	Jan. 26	4137	897	108	963
Sewing-machine needle-vibrating mechanism	R. L. Lyons	762,544	June 14	1840	395	110	1857
Sewing-machine oil-shield	M. Merryman	772,102	Oct. 11	1928	265	112	1386
Sewing-machine. Ornamental-stitch	D. Griffiths	767,688	Aug. 16	8133	651	111	1771
Sewing-machine. Overseam	C. Necker	768,906	Aug. 30	5689	1196	111	2379
Sewing-machine. Overseaming	H. A. Miller	769,392	Sept. 6	504	111	112	114
Sewing-machine. Overseaming and welting	F. Malsch	758,264	Apr. 26	4097	886	109	2275
Sewing-machine plait-forming attachment	J. H. De Nike	775,209	Nov. 15	3311	707	113	780
Sewing-machine plaiting attachment	O. Rickenmann	765,634	July 19	3453	729	111	782
Sewing-machine presser-foot	J. R. Hann	765,619	July 19	3428	722	111	776
Sewing-machine presser-foot. Hemstitch	C. M. Abercrombie	776,821	Dec. 6	715	158	113	1584
Sewing-machine presser-foot mechanism	C. Pedersen	765,854	July 26	3998	848	111	894
Sewing-machine presser-foot mechanism	G. J. Dormandy	765,884	July 26	3979	849	111	906
Sewing-machine reversible feed mechanism	W. A. Smith	769,503	Sept. 6	719	155	112	163
Sewing-machine. Revolving-hook	P. Anschütz	766,130	July 26	4458	955	111	1010
Sewing-machine rotary fan attachment	H. W. C. von Castens	757,723	Apr. 19	3034	660	109	2023
Sewing-machine rotating hook	R. Scharnberg	762,550	June 14	1875	403	110	1865
Sewing-machine ruffler	C. F. Goforth	756,787	Apr. 5	1142	252	109	1588
Sewing-machine ruffling attachment	W. R. Parsons	756,885	Apr. 12	1329	297	109	1642
Sewing-machine ruffling mechanism	A. Laubscher	754,928	Mar. 15	3402	744	109	778
Sewing-machine seam-finisher. Shoe	J. Laurin	751,523	Feb. 9	1335	810	108	1866
Sewing machine. Shoe	C. Hildebrandt	766,350	Aug. 2	421	89	111	1133
Sewing machine. Shoe	E. Smith	767,666	Aug. 16	3096	648	111	1763
Sewing machine. Shoe	A. E. Ayer	769,292	Sept. 6	316	72, 73	112	67
Sewing machine. Shoe	H. H. Duchesne	770,799	Sept. 27	3170	672	112	764
Sewing machine. Shoe	E. E. Bean	771,200	Sept. 27	3970	839	112	940
Sewing machine. Shoe	W. E. Lombard	771,784	Oct. 4	1109	248	112	1196
Sewing machine. Shoe	M. T. Denne	774,654	Nov. 8	2130	465	113	488
Sewing machine. Shoe	W. E. Lombard	776,407	Nov. 29	5771	467	113	1372
Sewing-machine shuttle	H. A. Dodge	759,082	May 3	982	199	110	223

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Sewing-machine shuttle	H. A. Dodge	775,362	Nov. 22	3684	782	113	890
Sewing-machine shuttle-actuating mechanism	G. L. Corcoran	757,725	Apr. 19	3038	660 661 683 429	109	2024
Sewing-machine shuttle-actuating mechanism	E. L. Bowers	770,217	Sept. 13	2085	429	112	474
Sewing-machine shuttle-race	H. Mundros	759,298	May 10	1478	296	110	358
Sewing-machine shuttle-raceway support	W. A. Mack	778,202	Dec. 20	3442	757	113	2199
Sewing-machine slack-thread controller	H. Manning	771,081	Sept. 27	3739	788	112	890
Sewing-machine spool-holder	G. W. Coughenour	752,043	Feb. 16	2366	589	108	1601
Sewing-machine spool-holder	A. Gorton	756,163	Mar. 29	5733	1266	109	1819
Sewing-machine-stand drawer-lock	W. C. Foley	766,436	Aug. 2	581	123	111	1167
Sewing-machine stitch-forming mechanism	O. R. Van Vechten	775,225	Nov. 15	3359	716	113	790
Sewing-machine stitch-forming mechanism. Shoe.	J. L. Kieffer	752,398	Feb. 16	3042	677	108	1753
Sewing-machine tension	C. Pedersen	765,855	July 26	3690	838	111	894
Sewing-machine tension and thread controlling mechanism	W. M. Ammerman	756,914	Apr. 5	389	49	109	1395
Sewing-machine thread-clamp. Wax-thread	H. A. Dodge	775,363	Nov. 22	3685	782	113	890
Sewing-machine thread-clamping device	R. L. Lyons	766,715	Aug. 2	1184	248	111	1304
Sewing-machine thread-controller	E. L. Bowers	770,516	Sept. 20	2627	357	112	626
Sewing-machine thread-controlling device	E. B. Allen	757,171	Apr. 12	1914	419	109	1768
Sewing-machine thread-controlling mechanism	S. Borton	773,780	Nov. 1	464	102	113	109
Sewing-machine thread-cutter	C. D. Matthews	771,653	Oct. 4	855	191	112	1142
Sewing-machine thread-cutter. Bag-	E. H. Burghardt	768,111	Aug. 23	4061	852 853	111	1996
Sewing-machine thread cutting and clamping mechanism.	A. Jeude	765,022	Jan. 9	3432	723 724	111	777
Sewing-machine thread-cutting device.	E. B. Allen	749,012	Jan. 5	912	198	108	213
Sewing-machine thread-cutting device.	J. T. Hogan	757,463	Apr. 19	2508	550	109	1907
Sewing-machine thread-cutting device.	R. L. Lyons	762,543	June 14	1838	395	110	1857
Sewing-machine thread holder and cutter	C. D. Matthews	771,494	Oct. 4	496	99	112	1050
Sewing-machine thread-holding mechanism	J. H. and J. B. Urswick	758,121	Apr. 26	3821	829	109	2215
Sewing-machine thread-measuring mechanism	G. L. Corcoran and G. A. Dobyne	751,264	Feb. 2	922	210 211 538 539	108	1253
Sewing-machine thread-retainer	W. A. Mack	772,423	Oct. 18	2457	538 539	112	1528
Sewing-machine threading device.	S. B. Battey	748,914	Jan. 5	687	151 152	108	155
Sewing-machine throat-plate support.	F. L. Whitney	776,370	Nov. 29	5699	1206	113	1356
Sewing-machine trimmer	S. H. Wheeler	778,389	Dec. 27	3896	536	113	2300
Sewing-machine tuck accessory.	F. Finlay	771,003	Sept. 27	3579	753	112	857
Sewing-machine tuck-folder	G. W. Bingham	764,879	July 12	2007	414	111	456
Sewing-machine tucker	P. T. Smith	765,084	July 26	3579	759	111	824
Sewing-machine tucker	W. R. Parsons	766,540	Aug. 9	1482	310 311	111	1390
Sewing-machine. Two-needle.	W. A. Mack	763,497	June 28	3737	808 910	110	2312
Sewing-machine. Wax-thread	G. L. Corcoran and G. A. Dobyne	760,732	May 24	4285	911 912	110	1011
Sewing-machine work-clamp. Buttonhole.	E. B. Allen	758,036	Apr. 26	3647	789	109	2177
Sewing-machine work-receiving attachment.	C. I. Latshaw	773,758	Nov. 1	429	94	113	101
Sewing-machine. Zigzag-stitch.	L. Bulasky	777,074	Dec. 13	1229	270	113	1717
Sewing machines. Cutter and cutting mechanism for buttonhole.	J. T. Hogan	760,865	May 24	4553	970	110	1068
Sewing machines. Trimming-cutter attachment for zigzag.	H. A. Klemm	753,145	Feb. 23	4509	1005	108	2095
Sewing machines. Variable-speed driving mechanism for	J. W. H. Uytendogaart.	759,409	May 10	1707	346	110	406
Sewing or other machines. Means for operating	N. Krawitzky	769,700	Sept. 13	1077	231	112	262
Shackle for marine purposes	J. A. Rock	765,513	July 19	3240	678	111	738
Shackle-hook	W. Robson	766,065	July 26	4325	927	111	980
Shackle-rod connector	E. A. Guy	760,621	May 24	4040	859	110	959
Shade. Adjustable.	W. H. Jewett	774,477	Nov. 8	1802	389	113	419
Shade. Adjustable window.	B. F. Childress	770,362	Sept. 20	2125	447	112	511
Shade adjuster. Window.	R. Aton	735,333	Mar. 29	5119	1134	109	1185
Shade adjuster. Window.	E. T. Fry	777,671	Dec. 30	2377	522	113	1980
Shade and curtain fixture bracket	P. Gallagher	758,357	Apr. 26	4295	922	109	2318
Shade and curtain holder. Combined	J. O. Kridelbaugh	775,474	Nov. 22	3926	829	113	943
Shade and globe holder.	W. C. Homan	752,325	Feb. 16	2701	598	108	1379
Shade attachment. Window.	G. F. Dickinson, Jr.	756,537	Apr. 5	773	169	109	1506
Shade-bracket	F. J. Nichols	749,088	Jan. 5	1087	329	108	450
Shade-bracket	H. Morris	759,462	May 10	1791	362	110	255
Shade-bracket.	W. O. Weed	769,367	Sept. 6	457	102	112	101
Shade-bracket and curtain-rod holder. Combined	J. E. Verklar	758,159	Apr. 26	3885	844	109	2230
Shade-bracket holder	H. G. Filson	772,561	Oct. 18	3736	569	112	1585
Shade bracket. Window.	J. E. Gill	750,184	Jan. 19	3274	706	108	759
Shade cabinet. Window.	A. E. Kretschmer	755,017	Mar. 23	3579	785	109	833
Shade cord attachment. Window.	A. H. Redheffer	777,140	Dec. 13	1349	298	113	1742
Shade, curtain, and cornice supporter. Combined window	G. Mallory	751,800	Feb. 9	1881	428	108	1476
Shade-fixture	T. Sulikx	770,511	Sept. 20	2616	555	112	624
Shade-fixture	S. L. Skinner	773,105	Oct. 25	3932	835	112	1874
Shade-fixture for windows curved transversely	R. Barkhurst	774,641	Nov. 8	2110	460	113	484
Shade-fixture. Window.	S. E. Attebery and C. Giles	770,352	Sept. 20	2103	443	112	508
Shade-fixture. Window.	C. A. Scheif	771,179	Sept. 27	3936	831	112	933
Shade-fixture. Window.	F. G. Brumbaugh	776,723	Dec. 6	508	111	113	1539
Shade goods. Machine for trimming and applying	E. O. Engberg	754,759	Mar. 15	3091	675	109	711
Shade hanger. Window.	J. C. Forsberg	753,868	Mar. 8	1309	294	109	303
Shade-holder	A. S. Lythe	751,869	Feb. 9	2014	456	108	1506
Shade-holder	M. D. Compton	752,040	Feb. 16	2362	528	108	1601
Shade-holder	H. Hubbell	753,077	Feb. 23	4397	978	108	2072
Shade-holder	E. Cooper	761,947	June 7	660	138	110	1584

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &c.	Vol.	Page.
Shade-holder.	E. A. Russell	767,313	Aug. 9	2935	500	111	1589
Shade-holder.	F. R. Sherwin	773,885	Oct. 18	3365	791	112	1734
Shade-holder. Window.	I. S. Sherwin	778,079	Dec. 20	3214	707	113	2151
Shade-holding device.	C. L. Hopkins	761,837	June 7	450	92	110	1539
Shade-holding device.	E. T. Burrows	765,878	July 26	3965	846	111	902
Shade-locking device. Curtain.	J. B. Fisher	776,048	Nov. 29	5095	1076	113	1217
Shade machine. Window.	M. F. Miller	758,999	May 3	823	169	110	190
Shade-making apparatus.	E. P. Howard	764,848	July 12	1956	403	111	444
Shade-mounting.	J. B. Olsen and W. J. Fennell	763,319	June 21	3359	729	110	2210
Shade-mounting. Window.	H. Dittenheimer and S. Erikson	767,741	Aug. 16	3321	679	111	1792
Shade or blind dust-guard. Window.	J. C. Bahme	776,048	Nov. 29	5090	1074	113	1216
Shade or curtain holder.	G. M. Rust and E. J. Faulkner	750,836	Feb. 2	227	51	108	1108
Shade or curtain holder.	H. H. Forsyth	766,681	Aug. 2	1130	232	111	1290
Shade-retaining device. Window.	H. Witte	758,344	Apr. 26	4273	917	109	2314
Shade-roll bracket.	P. Lanouette	767,899	Aug. 16	3333	748	111	1859
Shade-roller.	B. F. Jackson	756,238	Apr. 5	90	19	109	1361
Shade-roller and curtain bracket.	C. Michaels	762,594	June 14	1931	416	110	1876
Shade-roller and curtain-pole holder. Combined.	W. A. Nordling	758,098	Apr. 26	3778	821	109	2305
Shade-roller attachment.	B. F. Bell	764,516	July 5	1247	256	111	272
Shade-roller attachment. Spring.	E. F. Hartshorn	777,094	Dec. 13	1263	778	113	1724
Shade-roller bracket.	J. C. Miller	752,089	Feb. 16	2449	548	110	1630
Shade-roller bracket.	P. G. Chayer	763,365	June 28	3483	752	110	2325
Shade-roller bracket and curtain-pole support. Combined.	D. J. Cooke	758,419	Apr. 26	4422	950	109	2347
Shade-roller-bracket jack.	M. Schwab	752,866	Feb. 23	3953	886	108	1970
Shade-roller hanger and adjuster.	C. L. Sanford	768,699	June 30	1077	110	111	2284
Shade-roller spear.	C. Flagler	749,780	Jan. 19	2522	536	108	599
Shade-roller spring mechanism.	W. D. Harned	759,883	May 17	2618	548	110	623
Shade-roller. Window.	R. Z. Nolan	732,096	Feb. 16	2459	550	108	1627
Shade-rollers. Pawl mechanism for spring.	A. M. Doolittle	778,571	Dec. 27	4183	912	113	2333
Shade support. Adjustable window.	J. A. Thain	768,708	Aug. 30	5265	112	111	2388
Shade support. Concealed window.	J. D. Neal	761,006	May 24	4824	1025	110	1125
Shade-trimming device.	J. A. Tufts	770,181	Sept. 13	1868	397	112	337
Shade. Window.	A. T. Smith and B. C. Wilson	770,191	Sept. 13	1940	420	112	461
Shades to rollers. Device for attaching window.	W. D. James	766,257	Aug. 2	1243	46	111	1093
Shaft and clip. Vehicle.	F. E. Wilcox and W. A. Hunter.	763,582	June 28	3892	844	110	2345
Shaft-carrier or thill-tug.	D. B. Shink	758,556	Apr. 26	4708	1015	109	2412
Shaft. Collapsible.	F. Meisel	758,996	May 3	819	166	110	189
Shaft-collar.	C. H. Melius	738,549	Apr. 26	4665	1004	109	2402
Shaft-coupling.	G. H. and R. C. Rich	774,199	Nov. 8	1297	275	113	310
Shaft-coupling.	D. S. Sinclair	753,439	Mar. 1	416	97	109	60
Shaft-coupling.	C. N. Scott	755,033	Mar. 22	3635	798	109	846
Shaft-coupling.	J. R. George	757,735	Apr. 19	3055	666	109	2027
Shaft-coupling.	C. W. Levalley	762,827	June 14	2413	525	110	1980
Shaft-coupling.	I. Lehman	765,897	July 26	4090	854	111	910
Shaft-coupling.	A. Thuillier	767,185	Aug. 9	2167	432	111	1539
Shaft-coupling.	G. R. Rich	768,694	Aug. 30	5275	1108	111	2283
Shaft-coupling.	A. A. Ball, Jr.	770,039	Sept. 13	1707	362	112	403
Shaft-coupling.	C. A. Backstrom	775,884	Nov. 22	4750	1007	113	1120
Shaft-coupling.	C. R. Weston	777,215	Dec. 13	1473	327	113	1770
Shaft-coupling. Flexible.	C. C. McElbain	760,894	May 24	4694	982	110	1080
Shaft coupling-pin. Double-lerged vehicle.	J. M. Bowden and E. H. Catterall.	766,412	Aug. 2	539	111	111	1158
Shaft draft appliance. Vehicle.	S. Gregory	754,368	Mar. 8	2300	503	109	520
Shaft-fastener.	M. Power	773,223	Oct. 25	4215	891	112	1937
Shaft. Flexible.	W. A. Jones	757,932	Apr. 19	3437	734	109	2112
Shaft. Flexible.	R. A. Shafer	760,927	May 24	4675	995	110	1033
Shaft. Flexible.	G. H. Coates	764,917	July 12	2097	434	111	476
Shaft. Flexible.	C. Wicksteed	776,977	Dec. 6	1030	221	113	1656
Shaft for quicksand or other dangerous ground. Safety.	R. Baggeley	766,132	July 26	4463	956	111	1011
Shaft-hanger.	J. W. Bechtol and J. C. Manley	750,153	Jan. 19	3318	693	108	487
Shaft-hanger.	C. W. Levalley	750,666	Jan. 26	4171	904	108	971
Shaft-hanger.	H. T. Hallowell	767,147	Aug. 9	2091	436	111	1524
Shaft-hanger.	H. T. Hallowell	767,223	Aug. 9	2248	498	111	1556
Shaft-hanger.	H. T. Hallowell	767,227	Aug. 9	2253	498	111	1556
Shaft-hanger. Sheet-metal.	H. T. Hallowell	767,224	Aug. 9	2249	468	111	1557
Shaft-hanger. Sheet-metal.	H. T. Hallowell	767,225	Aug. 9	2251	468	111	1557
Shaft-hanger. Sheet-metal.	H. T. Hallowell	767,226	Aug. 9	2252	469	111	1557
Shaft-hanger. Sheet-metal.	H. T. Hallowell	767,271	Aug. 9	2324	486	111	1573
Shaft-holder.	W. T. Hallowell	774,416	Apr. 19	4273	714	109	2073
Shaft-lock. Rotating.	B. F. Case	770,219	Sept. 13	2037	429	112	474
Shaft-locking device.	J. H. Palmer	771,490	Oct. 4	522	117	112	1069
Shaft. Pulley.	T. F. Cuddy	754,052	Mar. 8	1666	370	109	383
Shaft-reversing mechanism.	J. S. Sheppard	750,229	Jan. 19	3361	725	108	779
Shaft-shackle. Vehicle.	S. R. Bailey	759,225	May 10	1330	265	110	323
Shaft-shackle. Vehicle.	S. R. Bailey	777,336	Dec. 13	1699	374	113	1817
Shaft-straightener.	H. R. Granger	749,816	Jan. 19	2582	550	108	612
Shaft-support and antirattler. Combined.	E. C. Cook and J. Miller	762,027	June 7	804	164	110	1612
Shaft-support. Vehicle.	J. C. Bridgman	737,839	Apr. 9	3223	464	109	2073
Shaft-support. Vehicle.	H. L. Loveless	761,688	June 7	134	23	110	1468
Shaft-support. Vehicle.	H. K. Kimpton	765,286	July 19	2763	577	111	634
Shaft-supporter.	W. E. Hoyt	749,991	Jan. 19	2920	624	108	686
Shaft supporter. Vehicle.	I. D. Jady	777,241	Dec. 13	1525	338	113	1781
Shaft supporting and operating mechanism.	J. E. Jones	776,517	Dec. 6	80	19	113	1442
Shaft. Vehicle.	E. Packer	750,685	Jan. 26	4209	912	108	980
Shaft. Vehicle.	A. Bever	774,082	Nov. 1	901	207	113	224
Shaft with changeable speed. Counter.	G. Langen	775,372	Nov. 22	3703	786	113	893
Shaft. Yielding.	C. L. Haase, Jr.	773,330	Oct. 25	4392	929	112	1974
Shafts and rocker-arms. Union for rock.	F. H. Richards	766,739	Aug. 2	1359	285	111	1344
Shafting-coupling.	H. Holzwarth	761,966	June 7	691	141	110	1591

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	De g.	Vol.	Page.
Shafting-couplings. Apparatus for applying and removing	W. J. Muncaster	750,477	Jan. 26	3816	829	108	899
Shaker-hanger	J. C. Winder	774,125	Nov. 1	1165	248	113	264
Shaker-hanger	J. C. Winder	774,126	Nov. 1	1167	249	113	264
Shaking-machine	B. S. Rowntree	768,339	June 21	3373	233	110	2212
Shaking-screen	T. L. and T. J. Sturtevant	755,330	Mar. 22	4141	916	109	953
Shaking-separator	P. H. Shue	761,259	May 31	5359	1137	110	1259
Shampooing-hood	W. J. H. Walters	772,763	Oct. 19	3135	688	112	1672
Shank-stiffener	H. F. Crawford	773,628	Nov. 1	173	98	113	44
Shaper. Vertical.	L. H. Colburn	755,849	Mar. 29	5156	1130	109	1195
Shaping-machine	J. C. Potter and J. Johnston. (Re-issue.)	12,287	Nov. 22	4795	1016	113	1130
Sharpener. Agricultural disk	C. Y. Davidson	764,114	July 5	407	79	111	89
Sharpener and can-opener. Combined knife	A. M. Parker	751,001	Feb. 2	407	96	108	1147
Sharpener attachment. Cutter-bar	W. M. Pneuman	759,746	May 10	2338	487	110	545
Sharpener. Disk	F. Melvin and E. Brusseau	748,768	Jan. 5	397	91	108	88
Sharpener. Disk	E. Pierson	748,785	Jan. 5	425	97	108	95
Sharpener. Disk	H. White	751,590	Feb. 9	1494	340	108	1395
Sharpener. Disk	H. Burford	752,514	Feb. 16	3238	726	108	1800
Sharpener. Disk	W. J. Julian	754,455	Mar. 15	2500	544	109	581
Sharpener. Disk or colter	G. D. Denio	760,103	July 26	4407	948	111	997
Sharpener. Drill	J. L. Bryson	758,026	Feb. 16	2340	524	108	1596
Sharpener. Drill	D. G. Morgan	758,926	May 3	696	130	110	163
Sharpener. Drill	F. Markwick	771,737	Oct. 4	999	224	112	1713
Sharpener. Edge-tool	W. Jacques	751,077	Feb. 2	513	127	108	173
Sharpener. Knife	F. H. Smith and D. C. Sassemann	755,599	Mar. 22	4632	1026	109	1038
Sharpener. Knife	A. W. Johnson	763,764	June 28	4239	924	110	2421
Sharpener. Knife	G. L. Sullivan	772,542	Oct. 18	2988	590	112	1577
Sharpener. Knife	P. J. Neerup	777,483	Dec. 13	1996	441	113	1885
Sharpener. Lawn-mower	G. L. Knowlton	765,432	July 19	3307	670	111	739
Sharpener. Lawn-mower	F. B. Johnson	771,732	Oct. 4	992	322	112	1171
Sharpener. Shears	J. H. Van Tassel and J. M. Thornton.	776,967	Dec. 6	1019	218	113	1653
Sharpener. Tool	D. W. Hattel	771,066	Sept. 27	3711	763	112	883
Sharpening attachment. Cutting-tool	F. Watkins	777,269	Dec. 13	1574	351	113	1791
Sharpening attachment for band-cutters and feeders	J. Manderson	757,823	Apr. 19	3290	701	109	2066
Sharpening device	F. S. Rich	759,630	Mar. 1	784	175	109	470
Sharpening device	S. W. Baldwin	761,936	June 7	644	130	110	1581
Sharpening device. Disk-plow	I. Owens	767,710	Aug. 16	3172	664	111	1781
Sharpening device. Knife	T. Wilkins	769,723	Sept. 13	1116	240	112	370
Sharpening device. Shears	J. N. Quinn	759,631	May 10	2125	437	110	498
Sharpening knives of veneer or other machines	W. H. Williams	772,305	Oct. 1	2204	481	112	1451
Sharpening machine. Disk	R. M. Hammond	776,057	Nov. 29	5111	1081	113	1220
Sharpening machine. Razor	A. W. Scheuber	750,399	Jan. 20	3673	798	108	869
Sharpening machine. Rotary-cutter	N. K. Skow	769,115	Aug. 30	6110	1277	111	2472
Sharpening machine. Twist-drill	J. J. Dahl	778,151	Dec. 20	3350	735	113	2182
Sharpening mechanism. Tool	C. Vogel	768,493	Aug. 23	4823	1011	111	2168
Sharpening razors. Rotary wheel for	G. Philbin	730,301	Jan. 26	1493	735	108	827
Sharpening the grinding-disks of attrition-mills.	E. P. Alsted	764,542	July 12	1326	269	111	307
Portable apparatus for sharpening the grinding-disks of attrition-mills.	E. P. Alsted	764,543	July 12	1327	270	111	307
Portable apparatus for sharpening the grinding-disks of attrition-mills.	E. P. Alsted	778,563	Dec. 27	4163	908	113	2373
Shaving apparatus	W. R. Allen	761,808	June 7	396	81	110	1527
Shaving composition	P. M. Megaro	778,594	Dec. 27	4232	113	2387	
Shaving-cup	W. E. Cooper	776,645	Dec. 6	353	76	113	1507
Shaving-cup soap-holder	S. Ehnann	776,896	Dec. 6	874	188	113	1619
Shaving kit	E. L. Collius	764,795	July 12	1842	378	111	419
Shaving-machine	R. W. Strout	767,452	Aug. 16	2676	561	111	1669
Shaving-mug	I. E. Poltz	754,761	Mar. 15	3096	676	109	712
Shaving-paper holder	W. P. Nelson	758,056	Apr. 26	3774	819	109	2222
Sheaf-tie	J. C. Parker	748,788	Jan. 5	423	96	108	94
Shear-gage	T. Steventon	771,678	Oct. 4	905	204	112	1152
Shear mechanism	S. V. Huber	777,257	Dec. 13	1556	346	113	1787
Shears					347		
See Animal-shears.	Mail-shears.						
Bench-shears.	Metal-cutting shears.						
Bloom-shears.	Pruning-shears.						
Cutting-shears.	Sheep-shears.						
Lawn-shears.							
Shears	A. Gutstein	752,339	Feb. 16	2982	653	108	1730
Shears	G. B. Rowe	753,919	Mar. 8	1416	319	109	326
Shears	H. Heinisch	760,204	May 17	3251	681	110	764
Shears	C. Beebe	764,878	July 12	2107	414	111	456
Shears	G. Voellner and P. Devaux	766,298	Aug. 2	324	67	111	1112
Shears	J. H. Brown	770,347	Sept. 20	2319	489	112	559
Shears	E. Blasberg	770,551	Sept. 20	3097	571	112	642
Shears	L. Boudrias	772,336	Oct. 18	2272	498	112	1487
Shears	A. N. Eastman	777,066	Dec. 6	1195	260	113	1693
Shears	C. O. Bergmark	777,366	Dec. 13	1769	393	113	1334
Shears	W. E. Wahlm	778,089	Dec. 20	3232	710	113	2154
Shears for cutting T or other angle iron	R. Schlegelmilch	776,091	Nov. 29	5182	1094	113	1336
Shears for cutting T or other angle iron	R. Schlegelmilch	776,092	Nov. 29	5183	1095	113	1336
Shearing and clipping device	J. K. Priest	755,169	Mar. 22	3840	847	109	830

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Shearing and shaping machine.....	G. Hall.....	774,072	Nov. 1	1069	229	113	241
Shearing-machine.....	W. G. Prichard.....	769,917	Sept. 13	1482	317	112	353
Shearing-tool.....	S. Arce.....	757,489	Apr. 19	2435	581	109	1893
Sheave. Ball-bearing.....	H. F. Keil.....	750,771	Jan. 26	4426	954	108	1030
Sheave. Ball-bearing.....	C. A. Brunley.....	772,032	Oct. 1	1608	365	112	1318
Sheave, wheel, or pulley.....	R. H. Bowen.....	767,377	Aug. 16	2519	528	111	1633
Shed. Sheep.....	J. R. Morrison.....	760,904	May 24	4634	967	110	1096
Sheep-dipping machine.....	R. J. Winnie.....	748,829	Jan. 5	518	118	108	118
Sheep-shears.....	O. Börs.....	770,216	Sept. 13	2034	428	112	474
Sheep-pole support.....	E. G. Lamb.....	748,960	Jan. 5	784	170	108	178
Sheet-coating machine.....	E. Williams.....	773,840	Nov. 1	588	127	113	134
Sheet-conveying machine.....	T. C. Dexter.....	752,380	Feb. 16	3007	670	108	1746
Sheet-conveying machine.....	T. C. Dexter.....	752,381	Feb. 16	3011	670	108	1747
Sheet-conveying machine.....	T. C. Dexter.....	752,382	Feb. 16	3014	671	108	1748
Sheet-conveying machine.....	T. C. Dexter.....	752,383	Feb. 16	3017	671	108	1748
Sheet-conveying machine.....	T. C. Dexter.....	759,211	May 3	1258	253	110	287
Sheet-conveying machine.....	T. C. Dexter.....	759,212	May 3	1261	254	110	288
Sheet-conveying machine.....	T. C. Dexter.....	759,213	May 3	1269	255	110	289
Sheet-conveying machine.....	T. C. Dexter and H. Hallstream.....	764,928	July 12	2119	439	111	490
Sheet-cutting machine.....	M. Meriam.....	757,560	Apr. 19	2706	591	109	1950
Sheet-delivery.....	A. K. Taylor.....	775,319	Nov. 22	3585	737	113	866
Sheet-delivery mechanism.....	W. Spalckhaver.....	755,068	Mar. 22	3666	805	109	853
Sheet-delivery mechanism.....	A. B. Graham.....	761,660	June 7	89	14, 15	110	1456
Sheet-delivery mechanism.....	H. A. W. Wood.....	769,124	Aug. 30	6126	1280	111	2475
Sheet feed or separator.....	C. G. Harris.....	759,705	May 10	2262	468	110	528
Sheet feed or separator.....	C. G. Harris. (Reissue).....	12,292	Nov. 29	5923	1250	113	1407
Sheet-feeder. Pneumatic.....	A. Lagerman.....	758,453	Apr. 26	4478	962	109	2360
Sheet-feeding machine.....	H. K. King.....	768,375	Aug. 23	4567	961	111	2107
Sheet-folding machine.....	C. W. Bennett.....	755,435	Mar. 22	4336	960	109	995
Sheet-folding or other machines. Delivery mechanism for.....	C. A. Sturtevant.....	759,570	May 10	1998	409	110	473
Sheet holder. Loose.....	A. Lawson.....	766,364	Aug. 2	445	95	111	1138
Sheet lifting and counting device.....	J. W. Darley, Jr.....	752,616	Feb. 16	3473	775	108	1848
Sheet-metal articles. Machine for forming.....	H. L. Bradley.....	750,581	Jan. 26	4027	871	108	941
Sheet-metal balls. Machine for manufacturing.....	A. Johnston.....	756,965	Apr. 12	1497	330	109	1677
Sheet-metal band for pipe-coverings, &c.....	B. H. Larkin.....	755,679	Mar. 29	4788	1065	109	1108
Sheet-metal-bending machine.....	E. G. H. Stein and J. Mandel.....	762,500	June 14	1733	372	110	1834
Sheet-metal box.....	J. A. Bower.....	767,378	Aug. 16	2521	539	111	1639
Sheet-metal boxes or cans. Making.....	E. Adriance and A. Calleson.....	770,948	Sept. 27	3472	733	112	834
Sheet-metal can.....	A. T. Kates.....	733,581	Mar. 1	706	158	109	154
Sheet-metal edging machine.....	H. O. Reese.....	762,557	June 14	1874	402	110	1865
Sheet-metal. Manufacture of.....	E. F. Lockwood.....	754,786	Mar. 15	3150	686	109	722
Sheet-metal parts. Means for uniting.....	A. Paterson.....	752,411	Feb. 16	3073	682	108	1759
Sheet-metal-pipe machine.....	B. M. Steele.....	759,834	May 10	2527	529	110	586
Sheet-metal strips. Rolls for use in the production of.....	E. W. Edwards.....	768,434	Aug. 23	4714	989	111	2146
Sheet-metal vessel.....	G. B. Johnson.....	749,679	Jan. 12	2293	484	108	532
Sheet-metal vessels. Forming.....	J. R. McLaughlin.....	749,219	Jan. 12	1575	393	108	379
Sheet-metal wares. Machine for bending.....	H. G. Blevius and J. E. Whittaker.....	738,503	Jan. 26	4382	984	109	2385
Sheet-mill adjusting mechanism.....	J. W. Paton and H. G. Taylor.....	748,982	Jan. 5	844	180	108	195
Sheet-rolling machine.....	S. B. Ely, H. H. Anderson, and W. W. Slick.....	758,003	Apr. 19	3563	772	109	2139
Sheet-registering means.....	T. C. Dexter.....	759,972	May 17	2791	584	110	662
Sheet-registering mechanism.....	F. L. Cross.....	763,160	June 21	3064	660	110	2144
Sheet-separating mechanism.....	J. E. Smyth.....	771,283	Oct. 4	123	28	112	989
Sheet-separator. Pneumatic.....	C. A. Juengst.....	768,462	Aug. 23	4758	997	111	2155
Sheets. Machine for folding and interfolding single or superposed.....	S. Wheeler.....	777,761	Dec. 20	3537	562	113	2015
Sheets. Means for facilitating interleaving.....	T. G. Hyde.....	754,311	Mar. 8	2149	476	109	486
Shelf bracket. Hanging.....	W. H. Brett.....	767,037	Aug. 9	1856	389	111	1474
Shelf clamp. Glass.....	E. M. Stephenson.....	778,719	Dec. 27	4452	974	113	2438
Shelf. Differential wine.....	W. H. Campbell.....	750,595	Jan. 26	4036	877	108	947
Shelf for lockers, &c. Adjustable.....	J. T. Hicks.....	749,291	Jan. 12	1522	323	108	366
Shelf. Library.....	G. Holden.....	777,256	Dec. 13	1554	346	113	1787
Shelf. Library.....	N. B. Parsons.....	775,496	Nov. 22	3959	836	113	950
Shelf. Library.....	N. B. Parsons, W. H. Winslow, and J. L. Kail.....	775,498	Nov. 22	3962	837	113	951
Shelf-rest.....	H. F. Keil.....	765,735	July 26	3690	787	111	844
Shelf structure. Knockdown expandible.....	A. Dannenberg.....	753,678	Mar. 1	887	200	109	192
Shelf-support. Adjustable.....	E. G. Schriefer.....	754,816	Mar. 15	3202	697	109	734

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Shelf-support. Adjustable	E. G. Schriefer	754,817	Mar. 15	3203	698	109	794
Shelves. Adjustable step for book-	T. S. Martin	763,299	June 21	3323	719	110	2201
Shelves. Label-holder for library	L. C. De Carli	750,436	Jan. 26	3747	813	108	884
Shelving	T. Hall	753,979	Mar. 8	1526	341	109	352
Shelving-bracket. Adjustable	F. Palfrey	738,295	Aug. 24	4416	928	111	2074
Shell. Ammunition	E. von Reichenau	754,013	Mar. 8	1580	354	109	366
Shell-filling machine	H. M. Pierce	760,244	May 17	3323	698	110	782
Shell grader and separator	G. W. Schreurs	755,710	Mar. 29	4858	1080	109	1127
Shell-head-feeding apparatus	F. W. Olin	755,920	Mar. 29	5297	1169	109	1225
Shell resizing and decapping machine	E. E. Blaschke, Jr.	751,895	Feb. 9	2073	469	108	1520
Shell. Sectional	G. H. Poor	760,754	May 24	4335	921	110	1022
Sheller:							
See Corn-sheller.	Pea-sheller.						
Shellac substitute	C. Ludwig	760,541	May 24	3884	-----	110	925
Shepherd's crook	H. Frizell	752,058	Feb. 16	2395	535	108	1608
Shift-key mechanism	F. X. Wagner	766,299	Aug. 2	326	67	111	1112
Shingle-cutter	M. Knapp	773,397	Feb. 15	4560	112	112	2012
Shingle-die	N. E. Palmer	767,913	Aug. 16	3561	754	111	1865
Shingle-gage	J. Dinwiddie	760,971	May 24	4761	1013	110	1112
Shingle-gage. Adjustable	L. Stowell	769,508	Sept. 6	728	157	112	165
Shingle-holder	I. D. Adams	753,531	Mar. 1	607	138	109	132
Shingle-machine	A. C. Finger	752,055	Feb. 16	2395	534	108	1607
Shingle-machine	B. C. Cummins	759,867	May 17	2933	542	110	617
Shingle-machine	F. W. Burpee	760,610	May 24	4015	854	110	954
Shingle-machine	R. J. Thompson	762,563	June 14	1884	405	110	1866
Shingle-machine	O. E. Zipperer	763,585	June 28	3896	845	110	2346
Shingle-machine arbors.	F. A. Cloudy	764,560	July 12	1371	279	111	316
Shingle. Metallic	C. L. Darnall	774,740	Nov. 15	2348	508	113	558
Shingle-mill	W. Thorp	766,295	Aug. 2	319	65, 66	111	1111
Shingle-sawing machine	J. M. Custer	751,719	Feb. 9	1725	392	108	1442
Shingle-sawing machine	A. L. Shaw	764,961	July 12	2180	432	111	494
Shingle-sawing machine	J. L. Poston	769,019	Aug. 30	5322	1241	111	2481
Shingle-sawing machine	J. W. Kephart	771,734	Oct. 4	965	223	112	1172
Shingling-gage	J. J. Knox	772,521	Oct. 18	2654	583	112	1570
Shingling-tool	E. H. Cokefair	752,615	Feb. 16	2473	775	108	1848
Ship-builder's clamp	N. C. Bailey	754,115	Mar. 8	1788	398	109	411
Ship-cleaning device	E. Cole	752,142	Feb. 16	2548	508	108	1642
Ship construction	A. B. Wolvin	754,107	Mar. 8	1775	394	109	408
Ship construction	C. G. Lundborg	768,269	Aug. 23	4359	916	111	2061
Ship-launching apparatus	H. G. Morse	759,734	May 10	2311	417	110	539
Ship-lift	J. A. Saner	758,857	May 3	546	111	110	130
Ship. Propeller	C. J. H. Flindt	751,158	Feb. 2	685	158	108	1905
Ship-steadying device	T. C. Forbes	769,693	Sept. 13	1065	239	112	260
Ships at sea. Appliance for transporting supplies to and from	G. Leue	775,981	Nov. 29	4974	1050	113	1188
Ships' bottoms. Device for cleaning	J. Forrest	769,434	Sept. 6	578	127	112	131
Ship's-course indicator	C. P. Jones	768,330	Aug. 23	4477	941	111	2087
Ship's cowl	C. A. Withers	761,620	May 31	6021	1292	110	1408
Ships. Device for minimizing oscillatory movements of	E. O. Schlick	769,493	Sept. 6	703	152	112	160
Ship's distance-recorder	W. C. Forbes	749,927	Jan. 19	2804	598	108	661
Ship's hatch	E. C. Akers	777,878	Dec. 20	2807	617	113	2070
Ships. Magnetic curtain for covering leaks in	L. Krüger	770,078	Sept. 13	1769	375	112	417
Ships. Means for working	W. Williams	762,790	June 14	2327	509	110	1961
Ship's signal	F. W. Wood	775,507	Nov. 22	3960	840	113	955
Shipping-box	J. Harper	761,876	May 31	5592	1191	110	1311
Shipping-box supporting-frame	C. A. Haas and B. Kochs	767,749	Aug. 16	3233	681	111	1735
Shipping-card receptacle	W. S. Callery and J. F. McGinitley	760,881	May 17	3562	750	110	835
Shipping device. Controlled	J. O. McKean	753,724	Mar. 1	979	232	109	211
Shirt	L. Stern	770,331	Sept. 20	2394	482	112	554
Shirt	J. Engel	770,714	Sept. 20	3001	638	112	709
Shirt-bosom	H. C. Nelson	760,142	May 17	3175	655	111	703
Shirt holder. Sample	W. A. Clark, Jr.	769,729	Sept. 13	1131	243	112	274
Shirt-neckband	D. B. Coon	762,145	June 7	1017	211	110	1659
Shirt-waist	J. A. Kennedy	756,240	Apr. 5	93	20	109	1362
Shirt-waist and skirt holder. Combination	S. Borman	771,701	Oct. 4	938	211	112	1160
Shirt-waist holder	C. Spies	774,000	Nov. 1	937	194	113	213
Shirt-waist holder and skirt-supporter	A. Wiltsey	754,179	Mar. 8	1896	422	109	435
Shirt-waist holder and skirt-supporter	F. K. Ottenheimer	769,010	Aug. 30	5902	1237	111	2427
Shirt-waist holder. Lady's	L. Kaufmann	759,614	May 10	2062	429	110	491
Shirt-waist protector	M. Alshuler	769,390	Sept. 13	1512	323	112	358
Shirt-waists. Device for holding down	769,212	Sept. 6	134	33	112	30	
Shock-binder	J. A. Manss	752,173	Feb. 16	2894	210	108	231
Shock-binder	J. W. Smith	752,870	Feb. 23	3961	888	108	1973
Shock-compressor	G. A. Olson	754,004	Mar. 8	1570	351	109	362
Shock-former	J. F. Wheeler	753,770	Mar. 1	1060	242	109	228
Shock-loader	E. Carroll	752,140	Feb. 16	2546	567	108	1642
Shock-loader	E. Carroll	769,302	Sept. 6	339	77	112	73
Shock-squeezing device	W. I. Brown	755,106	Mar. 22	3726	818	109	867
Shoe	J. A. Manss	752,173	Feb. 16	2893	577	108	1652
Shoe	J. A. Manss	752,173	Feb. 16	2894	577	108	1652
Shoe	C. K. Sharood	753,745	Mar. 1	1017	231	109	218
Shoe	L. Vohl	757,424	Apr. 12	2424	528	109	1874
Shoe	W. W. Jenckes	760,870	May 24	4559	971	110	1070

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Shoe.....	J. M. Le Lievre.....	766,709	Aug. 2	1168	242	111	1301
Shoe.....	C. H. Stamer.....	767,016	Aug. 9	1814	381	111	1464
Shoe.....	H. F. Rooney.....	770,892	Sept. 27	3235	882	112	779
Shoe.....	A. C. Rounds.....	774,784	Nov. 15	2434	525	113	580
Shoe. Ankle-supporting.....	G. Krieger.....	757,816	Apr. 19	3219	699	109	2064
Shoe attachment.....	J. N. Scism.....	764,635	July 12	1524	311	111	350
Shoe attachment.....	I. R. Waters.....	776,767	Dec. 6	605	132	113	1500
Shoe attachment. Athletic.....	J. G. Mitchell.....	754,673	Mar. 15	2925	639	109	671
Shoe-cleaning machine.....	J. T. Waters.....	762,782	June 14	2316	506	110	1958
Shoe. Electric-sole.....	A. Reed.....	757,495	Apr. 19	2567	563	109	1919
Shoe-fastener.....	G. W. Wise.....	733,776	Mar. 1	1090	247	109	285
Shoe-fastener.....	D. Brent.....	755,270	Mar. 22	4027	893	109	929
Shoe-fastener.....	W. J. S. Sorten.....	758,787	May 3	413	83	110	102
Shoe-fastener.....	G. Van Wagoner and C. A. Lindstrom.....	761,113	May 31	5077	1077	110	1199
Shoe-fastener.....	J. F. Haefele.....	763,177	June 21	3098	667	110	2152
Shoe-fastener.....	E. Phillips.....	770,335	Sept. 20	2603	563	112	634
Shoe-fastener.....	S. H. Martin.....	772,947	Oct. 25	3459	737	112	1769
Shoe-fastener.....	S. J. Swanson.....	774,957	Nov. 15	2784	596	113	657
Shoe-fastening.....	R. Brown and T. Evans.....	765,123	July 12	2472	516	111	554
Shoe-fastening.....	J. W. Duff.....	767,213	Aug. 9	2223	463	111	1551
Shoe-fastening.....	E. M. Dickson.....	773,719	Nov. 1	357	79	113	84
Shoe-fastening device.....	B. W. Hopper.....	751,432	Feb. 2	1203	273	108	1313
Shoe-fastening device.....	G. A. Turnbull.....	752,268	Feb. 16	2794	619	108	1700
Shoe-fastening device.....	G. E. Pearce.....	773,672	Nov. 1	265	61	113	63
Shoe-fastening means.....	F. B. Terry and P. E. Crothers.....	771,320	Feb. 2	825	159	108	1233
Shoe-form-treating machine.....	W. L. C. Niles.....	770,473	Sept. 20	2639	549	112	606
Shoe-former.....	F. A. Heath.....	755,483	Mar. 22	4425	951	109	1018
Shoe-heel antislipping attachment.....	P. Carroll.....	769,787	Sept. 13	1232	265	112	296
Shoe-holder.....	P. S. Kinsey and A. L. Anderson.....	754,072	Mar. 8	1693	376	109	369
Shoe-holder.....	C. B. Koters.....	755,015	Mar. 22	3574	784	109	832
Shoe-holder.....	G. O. Gates.....	761,519	June 7	420	85	110	1532
Shoe. Laced.....	G. T. McGuinness.....	760,472	May 24	3749	794	110	894
Shoe. Low-cut.....	W. W. Palmer.....	769,766	Sept. 13	1196	257	112	287
Shoe-nailing machine.....	W. Heaton.....	755,489	Mar. 22	4425	951	109	1014
Shoe or furrow-opener.....	C. E. Hoyer.....	772,146	Oct. 11	1886	418	112	1378
Shoe-paste dauber.....	W. Church.....	760,810	May 17	3438	725	110	807
Shoe-polisher.....	H. M. Backus.....	749,832	Jan. 19	2617	559	108	680
Shoe-polisher.....	M. A. Heimann.....	750,280	Jan. 26	3457	747	108	819
Shoe-polisher.....	G. B. Coleman.....	752,143	Feb. 16	2551	568	108	1643
Shoe-polisher.....	J. H. Wilson.....	755,980	Mar. 29	5408	1195	109	1250
Shoe-polisher.....	F. A. Cutler.....	774,390	Nov. 8	1623	348	113	382
Shoe-polisher.....	W. T. Crill.....	776,301	Nov. 26	5597	1179	113	1324
Shoe-polishing chair.....	J. C. Simering.....	751,114	Feb. 2	607	140	108	1189
Shoe-polishing implement.....	W. W. Worcester.....	768,715	Aug. 30	5313	1116	111	2293
Shoe-rack.....	C. A. Whitcomb.....	752,368	Feb. 16	2979	663	108	1741
Shoe-rack.....	L. P. Callahan.....	764,343	July 5	876	179	111	192
Shoe-rack.....	P. J. Callahan.....	764,340	July 5	883	180	111	193
Shoe-shank stiffener.....	A. P. Grinnell.....	750,965	Feb. 2	347	83	108	1135
Shoe-shield.....	C. N. Austin.....	756,590	Apr. 5	714	154	109	1494
Shoe-shining frame.....	H. J. Wichman.....	751,036	Feb. 2	469	110	108	1161
Shoe-shining machine.....	S. Brune.....	767,382	Aug. 16	2526	530	111	1684
Shoe. Spring-heel.....	B. F. Mayo.....	765,392	July 19	1191	385	111	1382
Shoe-stitch divider.....	J. B. Birrer.....	761,439	May 31	5703	1214	110	1337
Shoe-tacking machine.....	H. A. Ballard.....	776,771	Dec. 6	612	133	113	1561
Shoe-tip gage.....	M. Cook.....	778,171	Dec. 20	3380	743	113	2187
Shoe-top form.....	I. A. Minzy.....	756,878	Apr. 12	1319	294	109	1640
Shoe-tree.....	M. W. O'Brien.....	752,409	Feb. 16	3069	681	108	1758
Shoe-tree.....	J. H. Burt, A. L. Anderson, and R. C. Grossmann.....	754,047	Mar. 8	1649	367	109	379
Shoe-tree.....	E. White.....	765,910	July 26	4025	860	111	916
Shoe tree or stretcher.....	A. A. Delano.....	772,873	Oct. 18	3330	726	112	1717
Shoe tree or stretcher.....	F. Drew.....	777,188	Dec. 13	1427	816	113	1759
Shoe-turning machine.....	W. C. Meyer.....	768,320	June 28	3850	839	110	2357
Shoe-upper.....	F. O. Beaudry.....	766,015	July 26	4240	906	111	962
Shoe-upper fastener.....	W. E. Ellis.....	774,659	Nov. 8	2142	469	113	491
Shoe-upper fly-closer.....	S. Cloutier.....	750,603	Jan. 26	4069	881	108	949
Shoe-upper protector.....	G. H. Gardiner.....	751,846	Feb. 9	1980	450	108	1498
Shoe-upper-tying machine.....	A. Raiche.....	776,798	Dec. 6	668	148	113	1574
Shoe-uppers, &c. Folding-machine for.....	C. S. Marshall.....	750,872	Feb. 2	170	41	108	1095
Shoes. Assembling parts of.....	C. W. King.....	774,523	Nov. 8	1891	411	113	439
Shoes, &c. Ironing device for.....	A. S. Hayden.....	762,052	June 7	846	173	110	1620
Shoes. Making.....	A. J. Hendle.....	773,522	Oct. 25	4860	1025	112	2077
Shoes. Manufacture of turned.....	W. Hubrich.....	760,162	Sept. 6	148	12	112	13
Shoes. Re-turning machine for manufacturing.....	F. Feeney.....	771,375	Oct. 11	1515	341	112	1255
Shoe-string-fastener.....	H. O. Stubbs.....	777,563	Dec. 13	2167	476	113	1920
Shoe-making machinery.....	W. H. Pearson and W. Peters.....	767,581	Aug. 16	3412	720	111	1831
Shot or other projectiles. Controlling the flight of charges of.....	C. La Dow.....	777,029	Dec. 6	1142	248	113	1681
Shoulder-brace and suspenders. Combined.....	J. N. Faust.....	773,282	Oct. 25	4328	914	112	1962
Shoulder-protector.....	H. Glover.....	771,007	Sept. 27	3587	755	112	859
Shoulder-strap holder.....	R. Morris.....	775,845	Nov. 22	4678	990	113	1105
Shovel: See Cultivator-shovel. Snow-shovel. Excavating-shovel. Steam-shovel. Sifting-shovel.							
Shovel.....	G. Thompson.....	750,413	Jan. 26	3696	802	108	832
Shovel.....	H. W. Avery.....	771,199	Sept. 27	3969	838	112	940
Shovel and foot protector.....	J. Christiansen.....	754,543	Mar. 15	2676	581	109	620

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Shovel-handle-bending machine	J. E. Foulkes	766,176	Aug. 9	38	7	111	7050
Shovel-protector-plate	W. W. Davis	767,739	Aug. 16	3219	678	111	1791
Shovels. Making	F. Skelton	757,783	Apr. 19	3162	686	109	3052
Shovels. Making	H. W. Avery	771,032	Sept. 27	3644	788	112	869
Shoveling device	J. G. Westbrook	754,946	Mar. 15	3455	757	109	790
Show-case	L. J. Baker and R. E. French	753,656	Mar. 1	837	188	109	183
Show-case	J. Partheymueller	754,233	Mar. 8	2008	446	109	458
Show-case	W. H. J. Guest	754,443	Mar. 15	2483	540	109	577
Show-case	C. W. Selden	754,507	Mar. 15	2618	568	109	608
Show-case	S. E. Parrish	755,590	Mar. 22	4555	1020	109	1049
Show-case	C. F. Murray	761,248	May 31	5921	1130	110	1352
Show-case	L. J. Everest	767,805	Aug. 16	3343	708	111	1819
Show-case	E. L. Reichle	772,961	Oct. 25	3520	762	112	1777
Show-case	A. Jaeger	774,078	Nov. 1	1081	232	113	244
Show-case construction	O. Durr	755,538	Mar. 22	4408	1024	109	1055
Show-case corner-clamp	L. Paulle	760,805	May 24	4441	945	110	1043
Show-case. Knockdown all-glass	W. K. Williams	767,462	Aug. 16	2693	566	111	1673
Show-case. Vending	I. Klayman	763,291	June 21	3310	717	110	2198
Show-window	G. F. Jefferson	749,678	Jan. 12	2290	484	108	573
Show-windows. Means for illuminating	G. K. Maltby	767,484	Aug. 16	2737	574	111	1684
Show-windows or the like. Fastening device for	E. F. Coffin	771,535	Oct. 4	633	141	112	1094
Shower-bath	J. P. Eustis	764,841	July 12	3093	111	111	441
Shower-bath	J. R. Mercereau	777,042	Dec. 6	1167	255	113	1687
Shower-ring	W. H. Lawrence	769,390	Sept. 6	501	110	112	113
Showers, shampoo-sprinklers, &c. Holdfast for portable	E. F. Gregg	771,306	Oct. 4	168	37	112	997
Shrapnel	P. D. Van Essen	775,640	Nov. 22	4990	906	113	1023
Shredding-machine feeder	C. E. Curtiss	758,898	May 3	643	129	110	151
Shredding-machine or the like	M. F. Williams	757,705	Apr. 19	2998	651	109	3016
Shunt	J. Harris	765,889	July 26	3988	850	111	908
Shunt-motor. Variable-speed direct-current	C. P. Steinmetz	766,977	Aug. 9	1748	307	111	350
Shut-off	J. G. Nehrass	769,890	Sept. 13	3327	323	112	319
Shutter	C. D. Spalding	760,764	May 24	4355	925	110	1026
Shutter. Curtain	H. W. Locke	762,424	June 14	1569	344	110	1799
Shutter-fastener	J. B. Haliday	757,298	Apr. 12	2159	473	109	1820
Shutter-fastener	H. N. Mattson	760,007	May 17	2859	598	110	678
Shutter-fastener	H. E. Goodman	761,473	May 31	5755	1297	110	1349
Shutter-fastener	J. J. Quackenbush	768,195	Aug. 23	4217	886	111	2030
Shutter-fastener	A. B. Landis	771,078	Sept. 27	3735	757	112	889
Shutter. Focal-plane	F. F. Folmer	763,173	June 21	3068	665	110	2150
Shutter. Rolling	W. B. Gervais	757,106	Apr. 12	1782	390	109	1737
Shutter-worker	F. D. Marchand	754,692	Mar. 15	2906	635	109	667
Shuttle	C. and G. Brun	748,920	Jan. 5	700	154	108	158
Shuttle	C. and G. Brun	748,921	Jan. 5	702	154	108	159
Shuttle	C. and G. Brun	748,922	Jan. 5	704	154	108	160
Shuttle	D. J. Carey	748,926	Jan. 5	713	155	108	161
Shuttle	R. H. Sterrett	768,408	Aug. 23	4692	976	111	2135
Shuttle	J. E. Welton	755,589	Nov. 22	4185	882	113	1000
Shuttle-box-actuating mechanism	R. B. Goodyear	775,169	Nov. 15	3296	690	113	760
Shuttle-brake	J. Laforêt	762,642	June 14	3028	439	110	1397
Shuttle. Float-detecting	E. Lamoureux	754,638	Mar. 15	2838	634	109	665
Shuttle. Hand-threading	D. Brown	755,561	Mar. 22	4549	1012	109	1041
Shuttle-locking mechanism	J. P. Johnson	769,801	Sept. 13	1256	270	112	301
Shuttle-operating device	G. Schwabe	778,378	Dec. 27	3811	832	113	2297
Shuttle. Self-threading	J. B. Daudelin	766,592	Apr. 5	767	166	109	1505
Shuttle. Self-threading	W. L. Hall	775,676	Nov. 22	4305	921	113	1039
Shuttle-swell	M. Duckworth and J. Sunderland	763,468	June 28	3091	796	110	2303
Shuttle-threader	O. R. Jacques	748,954	Jan. 5	774	168	108	176
Shuttle. Weaver's	G. Preiss	761,099	May 31	5055	1073	110	1194
Sickle and sickle-bar	O. Cook	778,404	Dec. 27	3866	842	113	2310
Sickle-bar attachment	S. Hagar	770,006	Sept. 13	1659	362	112	362
Sickle for headers, mowers, &c. Endless-chain	C. A. Hartman	767,067	Mar. 15	1920	357	109	733
Sickle-holder	H. S. Ekel	764,567	July 12	1379	281	111	318
Sickle-holder	C. H. Eichmeyer and H. Auran	773,131	Oct. 25	3998	847	112	1888
Side-comb	O. Vallendar	756,545	Apr. 5	690	148	109	1488
Side-gate	S. Edwards	773,487	Oct. 25	4755	1003	113	2052
Side-register for sheet-folding or other machines	C. A. Sturtevant	755,393	Mar. 15	1445	314	109	338
Sidewalk	E. A. Langenbach	758,184	Apr. 26	3936	854	109	3240
Sidewalk-cleaner	T. C. Hiles	758,071	Apr. 26	3732	810	109	2193
Sidewalk-elevator	J. Rieg	767,244	Aug. 9	2278	476	111	1564
Sidewalk on street-crossings	J. A. Rose	754,895	Mar. 15	3532	732	109	766
Sidewalk or other light	F. W. Hirsch	750,929	Apr. 2	3030	66	112	730
Sidewalk-roughening tool	B. F. Thies	774,003	Nov. 1	944	195	113	215
Sidewalk. Spring-supported	J. S. Gregg	776,906	Dec. 6	888	192	113	1623
Siding or floor clamp	H. W. Weckman	766,575	Dec. 6	215	48	113	1476
Siding. Sheet-metal	E. G. Charlebois	754,541	Mar. 15	2673	580	109	620
Sieve	F. W. Hirsch	754,865	Mar. 15	3302	719	109	756
Sieve. Adjustable	C. W. Van Wye	761,561	May 31	5912	1267	110	1383
Sieve. Adjustable	C. Closz	763,158	June 21	3062	660	110	2143
Sieve. Adjustable-mesh	K. H. Knudsvig	773,944	Nov. 1	523	173	113	190
Sieve and cleaner therefor. Shaking	W. D. Gray	752,448	Feb. 16	3143	699	108	1774
Sieve-cloth cleaner	W. Bonifay	770,734	Sept. 27	3038	647	112	736
Sieve. Grain	H. K. Clement	750,167	Jan. 19	3247	700	108	753
Sifter	H. F. Cohn, Jr.	759,864	May 17	2588	540	110	616
Sifter	J. H. Kolkmann	771,876	Oct. 11	1313	296	112	1254
Sifter. Ash	T. J. Martin	751,744	Feb. 9	1776	404	108	1453
Sifter. Ash	J. P. Hill	758,082	Apr. 19	3035	786	109	2155
Sifter. Ash	J. Cromwell, Jr.	760,522	May 24	3846	816	110	918
Sifter. Ash	R. W. O'Donnell	762,190	June 7	1092	231	110	1676

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Sifter. Ash.	W. T. Whiteway.	775,590	Nov. 23	4188	882	113	1001
Sifter. Ash and coal.	M. Cossoy.	768,683	Sept. 6	1043	225	112	238
Sifter. Flour.	A. C. Barler.	732,641	Feb. 23	3532	786	108	1878
Sifter. Flour.	W. T. Vallandigham.	760,589	May 24	3972	844	110	945
Sifter. Flour.	C. B. Comegys.	762,805	June 14	2366	515	110	1970
Sifter for furnaces, &c. Ash.	G. W. Osgood.	751,197	Feb. 2	770	175	108	1232
Sifter. Gyration.	J. M. Schutz.	756,292	Apr. 5	300	42	109	1387
Sifter or strainer. Culinary.	M. L. Britton.	776,640	Dec. 6	347	74	113	1504
Sifting machine or screen.	W. L. Burner.	755,445	Mar. 22	4333	964	109	998
Sifting shovel. Ash.	S. H. Nystrom.	760,477	May 24	3756	795	110	896
Sight-feed lubricator. Pressure.	D. H. Roberts.	756,286	Apr. 5	185	38	109	1383
Sight. Telescopic.	E. M. Hewlett.	753,574	Mar. 1	689	154	109	151
Sight-testing apparatus.	A. Reinhard and M. Scheinman.	763,929	June 28	4570	399	110	2489
Sign.	J. Hotchner.	768,179	Aug. 23	4186	880	111	2023
Sign.	A. J. Bradley.	773,539	Nov. 1	10	3	113	5
Sign.	R. W. Clark.	775,295	Nov. 22	3538	746	113	855
Sign.	U. B. Stuart.	777,645	Dec. 13	3359	511	113	1933
Sign.	G. W. Howell.	773,748	Dec. 27	4501	866	113	2448
Sign. Advertising.	W. A. Kress.	773,874	Nov. 1	685	143	113	158
Sign and bird-house. Combined.	I. Mason.	753,599	Mar. 1	735	164	109	160
Sign-board.	H. S. Bush.	764,838	July 12	1986	397	111	440
Sign. Changeable.	J. L. Blackmer.	752,324	Feb. 16	2904	647	108	1733
Sign. Display.	G. E. Burnham.	755,272	Mar. 22	4029	894	109	929
Sign. Display.	J. Ward.	750,137	Jan. 19	3191	686	108	742
Sign. Display.	R. W. Clark.	775,294	Nov. 22	3537	745	113	855
Sign. Display.	J. Ward.	776,278	Nov. 29	5532	1172	113	1316
Sign-display device.	A. and J. Cahn and A. R. Mosler.	751,832	Feb. 9	1955	444	108	1492
Sign. Electrically-controlled monogram.	M. Du Feroy.	773,951	Nov. 1	805	169	113	185
Sign-frame.	C. G. Mixer.	758,088	Apr. 26	3753	816	109	2198
Sign. Illuminated.	J. Hotchner.	769,138	Aug. 30	6152	1286	111	2480
Sign. Illuminated.	J. Hotchner.	769,139	Aug. 30	6154	1287	111	2480
Sign. Illuminated.	A. L. Brown.	769,249	Sept. 6	222	52	112	18
Sign. Illuminated.	C. D. De Camps.	770,680	Sept. 20	2941	634	112	698
Sign or advertising device.	H. C. Coultaus.	773,307	Dec. 27	3660	799	113	2265
Sign, picture, &c. Changeable.	F. E. Ives.	771,824	Oct. 11	1195	266	112	1229
Sign-plates. Making.	A. M. Montgomery.	774,772	Nov. 15	2415	520	113	576
Sign, &c. post. Street.	B. Haskell.	767,406	Aug. 16	2576	543	111	1646
Sign-receptacle.	C. D. Platt.	762,192	June 7	1093	231	110	1676
Sign. Street.	M. Hofheimer.	767,814	Aug. 16	3373	714	111	1824
Sign. Street.	M. Hofheimer.	770,068	Sept. 13	1755	371	112	413
Sign switch mechanism. Electric.	F. S. Wahl.	758,342	Apr. 26	4268	916	109	2313
Sign. Vehicle destination.	G. W. Peirce.	768,192	Aug. 23	4210	917	111	2028
Sign. Vehicle destination.	G. W. Peirce.	768,193	Aug. 23	4212	886	111	2029
Sign. Window-shade.	R. G. Lake.	751,307	Feb. 2	1004	227	108	1271
Sign. Card or ticket for actuating the mechanism controlling electric-light signal.	M. Norden and L. S. Crandall.	767,424	Aug. 16	2609	530	111	1653
Signal.							
See Adding-machine signal.	Railway block-signal.						
Alarm-signal.	Railway-crossing signal.						
Automatic signal.	Railway-crossing warning-signal.						
Block-signal.	Railway danger-signal.						
Brake-operated signal.	Railway safety-signal.						
Bridge-signal.	Railway-train alarm-signal.						
Cab signal.	Railway-train detonating signal.						
Car-signal.	Ship's signal.						
Cash-register signal.	Telephone-exchange signal.						
Electric signal.	Telephone-switchboard signal.						
Electromagnetic signal.	Tank-signal.						
Fire-signal.	Telephone-exchange signal.						
Gas danger-signal.	Telephone-switchboard signal.						
Grain-bin signal.	Train-signal.						
Letter-drop signal.	Train-order signal.						
Loom cut signal.	Trolley-signal.						
Railway-signal.							
Railway alarm-signal.							
Signal.	J. J. Luyten.	749,870	Jan. 19	2676	573	108	632
Signal.	W. A. Richardson.	761,787	June 7	348	70	110	1517
Signal.	H. D. Jennings.	763,503	June 28	3859	836	110	2395
Signal.	H. W. Price.	772,651	Oct. 18	2860	627	112	1614
Signal and switch trip.	C. M. Hurst.	762,413	June 14	1547	389	110	1794
Signal apparatus.	J. D. Price.	757,768	Apr. 19	3125	680	109	2043
Signal apparatus.	M. R. Brown.	772,608	Oct. 18	2817	619	112	1605
Signal apparatus. Electrical.	J. M. Golding.	751,788	Feb. 9	1856	423	108	1470
Signal device.	J. J. Fuller.	763,603	June 28	3922	853	110	2352
Signal device.	E. J. Atterbury.	771,962	Oct. 11	1487	337	112	1290
Signal mechanism. Electric semaphore.	B. O. Wagner.	767,265	Aug. 9	2298	481	111	1567
Signal-receiving apparatus. Alternating-current.	G. W. Pickard.	758,468	Apr. 26	4504	968	109	2266
Signal spectacle-frame.	R. Herman.	770,462	Sept. 20	3508	533	112	600
Signal system.	J. Shelton.	761,013	May 24	4335	1027	110	1129
Signal system. Automatic.	J. R. Walsh.	765,311	July 19	2821	587	111	647
Signal system. Automatic pneumatic.	J. H. Harrell.	777,760	Dec. 20	2538	561	113	2015
Signal system. Electric.	H. T. Farnsworth.	760,187	May 17	3219	675	110	758
Signal system. Electric.	H. A. Fessenden.	748,941	Jan. 5	752	163	108	171
Signal system. Electric.	G. L. Vannais.	759,047	May 3	914	185	110	209
Signal system. Electric.	O. Ernst.	780,976	May 24	4769	1015	111	1114
Signal system. Electric.	J. H. Harrell.	765,922	July 26	4047	865	111	921

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Signal system. Electric.	H. W. Souder and J. Early.	773,166	Oct. 25	4096	866	112	1911
Signal system. Selective.	F. C. Penfield and O. Templin.	760,399	May 17	3596	758	110	842
Signal-transmitter. Electrical.	A. C. Ferguson.	769,473	Sept. 6	664	143	112	151
Signal transmitting and receiving apparatus.	R. A. Fessenden.	777,014	Dec. 6	1104	240	113	1672
Signals. Apparatus for preventing engine-drivers running past home or distant.	T. Cairns.	752,028	Feb. 16	2344	524	108	1597
Signals. Electrical apparatus for producing sound.	C. H. O'Brien.	752,408	Feb. 16	3068	681	108	1758
Signals over surfaces. Wireless electric transmission of.	F. Braun.	750,429	Jan. 26	3726	809	108	880
Signaling.	G. A. Huber.	759,281	May 10	1444	988	110	350
Signaling.	R. W. Shoemaker and L. H. Giddings.	765,298	July 19	2781	580	111	638
Signaling.	J. Millar.	773,024	Oct. 25	3638	785	112	1801
Signaling.	J. Millar.	773,025	Oct. 25	3648	787	112	1804
Signaling and operating system.	H. C. W. Graham.	758,527	Apr. 26	4626	996	109	2393
Signaling and recording system. Automatic train.	F. R. Wood and D. F. Shamberger.	763,939	June 28	4586	1002	110	2493
Signaling and recording system. Automatic train.	F. R. Wood and D. F. Shamberger.	768,502	Aug. 23	4686	1013	111	2171
Signaling apparatus.	R. W. Earle and N. Goodyear.	749,815	Jan. 19	2579	550	108	612
Signaling apparatus.	E. L. Grauel.	751,071	Feb. 2	527	123	108	1175
Signaling apparatus.	R. B. Kernohan.	752,843	Feb. 23	3912	877	108	1961
Signaling apparatus.	O. Lüddeckens.	754,152	Mar. 8	1843	411	109	424
Signaling apparatus.	E. A. Fallor.	757,030	Apr. 12	1638	357	109	1706
Signaling apparatus.	E. A. Fallor.	762,695	June 14	2139	466	110	1922
Signaling apparatus. Automatic.	I. A. Michael.	748,970	Jan. 5	802	173	108	183
Signaling apparatus. Block.	J. A. Lehr.	758,541	Apr. 26	4655	1002	109	2399
Signaling apparatus. Electric.	F. B. Herzog.	749,191	Jan. 12	1299	280	108	318
Signaling apparatus. Electric.	W. E. Decrow.	750,268	Jan. 26	3430	741	108	813
Signaling apparatus. Electric.	W. E. Decrow.	750,269	Jan. 26	3433	742	108	814
Signaling apparatus. Electric.	W. E. Decrow.	750,270	Jan. 26	3435	742	108	814
Signaling apparatus. Electric.	J. E. Stannard.	751,760	Feb. 9	1803	411	108	1458
Signaling apparatus. Electrical.	C. A. Junken and W. B. Tredwell.	773,326	Oct. 25	4406	935	112	1977
Signaling apparatus. Electrical.	S. Cabot.	775,390	Nov. 22	3735	792	113	900
Signaling apparatus. Electrically-operated block.	C. W. S. Turner.	774,618	Nov. 8	2063	450	113	474
Signaling apparatus. Safety device for electric interlocking or block.	F. T. Hollins.	761,490	May 31	5781	1235	110	1355
Signaling apparatus. Selective.	K. Moodie and J. S. Small.	750,777	Jan. 26	4436	155	108	1032
Signaling apparatus. Selective.	J. J. Comer.	765,413	July 19	3020	633	111	690
Signaling apparatus. Train.	J. Seel.	769,279	Sept. 6	280	66	112	61
Signaling apparatus. Vacuum pneumatic.	W. J. Becker.	776,883	Dec. 6	852	182	113	1614
Signaling apparatus. Wireless.	L. de Forest.	749,131	Jan. 5	1163	123	108	269
Signaling apparatus. Wireless.	L. de Forest.	749,178	Jan. 12	1279	276	108	314
Signaling apparatus. Wireless.	L. de Forest.	749,424	Jan. 12	1813	380	108	429
Signaling apparatus. Wireless.	L. de Forest.	750,216	May 3	1279	257	110	291
Signaling apparatus. Wireless.	L. de Forest.	770,229	Sept. 13	2059	433	112	478
Signaling apparatus. Wireless.	L. de Forest.	771,818	Oct. 11	1183	294	112	1226
Signaling apparatus. Wireless.	L. de Forest.	771,819	Oct. 11	1184	294	112	1227
Signaling. Automatic electric block.	R. A. Luby.	764,533	July 5	1287	263	111	281
Signaling by electromagnetic waves.	R. A. Fessenden.	752,895	Feb. 23	4015	900	108	1985
Signaling by electromagnetic waves.	R. A. Fessenden.	753,864	Mar. 8	1802	293	109	301
Signaling by electromagnetic waves.	R. A. Fessenden.	754,058	Mar. 8	1673	372	109	385
Signaling device. Audible.	W. J. Bell.	765,266	July 19	2724	568	111	626
Signaling device. Electric.	T. C. Laney and C. S. Longnecker.	755,890	Mar. 29	5231	1156	109	1211
Signaling device. Wireless.	L. de Forest.	748,597	Jan. 5	78	21	108	19
Signaling mechanism.	R. Herman.	778,037	Dec. 20	3130	688	113	2133
Signaling mechanism. Electric semaphore.	B. O. Wagner.	762,105	June 7	942	195	110	1641
Signaling on electric-traction systems.	T. H. Jones.	758,922	May 3	685	137	110	161
Signaling purposes. Apparatus for utilizing electrical oscillations for.	C. E. Freeman.	773,069	Oct. 25	3803	812	112	1840
Signaling receiver. Space.	L. de Forest.	770,228	Sept. 13	2058	433	112	478
Signaling. Selective.	R. A. Fessenden.	752,894	Feb. 23	4013	899	108	1985
Signaling. Submarine.	A. J. Mundy.	768,567	Aug. 23	4979	1042	111	2201
Signaling. Submarine.	J. B. Millet.	769,100	Aug. 30	6076	1204	111	2464
Signaling system.	H. Shoemaker.	756,719	Apr. 5	1010	224	109	1558
Signaling system.	J. Weatherby, Jr.	758,724	May 3	283	56	110	72
Signaling system.	H. W. Souder.	773,099	Oct. 25	3682	793	112	1811
Signaling system and apparatus employed therein.	R. G. Callum.	760,955	May 24	4728	1007	110	1105
Signaling system. Automatic block.	H. B. Taylor.	762,009	June 7	771	153	110	1606
Signaling system. Automatic electrical.	F. S. Holmes.	773,868	Nov. 1	662	140	113	153
Signaling system. Automatic electrical.	F. S. Holmes.	773,869	Nov. 1	665	141	113	153
Signaling system. Automatic electrical.	F. S. Holmes.	773,870	Nov. 1	671	141	113	155
Signaling system. Electric.	S. M. Young.	762,370	June 14	1463	319	110	1775
Signaling system. Electric.	J. Dianovszky.	762,812	June 14	2383	519	110	1973
Signaling system. Electric.	P. H. Schmitt.	769,409	Sept. 6	534	117	112	120
Signaling system. Electric.	S. M. Young and F. Townsend.	774,813	Nov. 15	2495	538	113	592
Signaling system. Electric.	H. W. Souder.	777,555	Dec. 13	2142	468	113	1915
Signaling system. Electrical.	H. P. Clausen.	749,982	Jan. 19	2935	619	108	680

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Signaling system. Safety.	J. Platte and J. W. Jones	771,496	Oct. 4	542	121 123	112	1073
Signaling system. Selective.	G. Babcock	750,793	Feb. 2	20	5	108	1662
Signaling system. Selective.	G. Babcock	763,351	June 28	3425	745	110	2242
Signaling system. Selective.	W. M. Davis	765,461	July 19	3140	658	111	714
Signaling system. Selective.	W. M. Davis	766,224	Aug. 2	150	29	111	1074
Signaling system. Wireless.	C. D. Ehre	749,370	Jan. 12	1684	358	108	403
Signaling system. Wireless.	H. Shoemaker	749,584	Jan. 12	2118	441	108	496
Signaling system. Wireless.	H. Shoemaker	754,904	Mar. 15	3363	735	109	1568
Signaling system. Wireless.	H. Shoemaker	756,718	Apr. 5	1009	224	109	777
Signaling system. Wireless.	H. Shoemaker	759,720	Apr. 5	1011	224	109	1338
Signaling system. Wireless.	G. Marcon	760,463	May 24	3731	790	110	890
Signaling system. Wireless.	L. Mandelstam and H. Brandes	767,337	Nov. 29	5635	1194	113	1339
Signaling. Wireless.	D. Drawbaugh	752,533	Feb. 16	3290	734	108	1807
Signaling. Wireless.	R. A. Fessenden	753,863	Mar. 8	1300	292	109	300
Signaling. Wireless electrical.	M. I. Pupin	768,301	Aug. 23	4426	930	111	2076
Signature-gatherer	C. A. Juengst	761,496	May 31	5794	1238	110	1358
Signature-gathering machine.	B. Kerscher	765,738	July 26	3693	788	111	845
Signature-gathering machine.	S. H. Pray	767,081	Aug. 9	1949	407 408	111	1494
Signature-gathering machine.	C. A. Juengst	768,461	Aug. 23	4755	997	111	2155
Signatures or sheets. Curved plate for	C. A. Juengst	768,463	Aug. 23	4760	998	111	2156
Silicates. Decomposing refractory	W. T. Gibbs	772,612	Oct. 18	2833		112	1606
Silicates. Decomposing refractory	W. T. Gibbs	772,657	Oct. 18	2905		112	1623
Silk. Making artificial	W. S. Miles	750,503	Jan. 26	3733	511	108	911
Silo.	E. Hillard	768,088	July 26	4275	916	111	869
Silo-carrier	C. M. Smith	774,794	Nov. 15	2456	530	113	594
Silo or tank	L. G. Lease	766,708	Aug. 2	1167	242	111	1301
Silt and sand separator. Automatic.	C. Allen	754,732	Mar. 15	3049	665	109	700
Singeing-machine.	M. Sarfert	755,937	May 3	711	143	110	166
Singeing pigs' feet, &c. Apparatus for.	N. A. Saxler	770,930	Sept. 27	3437	726	112	824
Sink	R. J. Meloney	759,457	May 10	1782	360	110	423
Sink	J. Korlofsky	772,719	Oct. 18	3039	666	112	1653
Sink bowl, &c.	J. Crosswell	765,131	July 12	2487	530	111	556
Sink-bracket	J. J. Mahoney	758,545	Apr. 26	4660	1003	109	2401
Sink overflow device.	E. C. Akers and R. Ross	757,871	Apr. 19	3315	718	109	2085
Sink-strainer.	W. Dicks	760,383	May 17	3568	752	110	837
Sink-strainer	H. G. Lawrence	769,001	Aug. 30	5883	1234	111	2422
Sinks, lavatory basins, &c., in earthenware. Machine for molding	R. Stanley	770,874	Sept. 27	3324	701	112	799
Sinker	G. H. Reis	769,356	Sept. 6	438	98	112	97
Siphon	S. W. Miller	749,445	Jan. 12	1849	385	108	435
Siphon	H. P. Roberts	755,941	Mar. 29	5342	1178	109	1235
Siphon	C. Miller	756,517	Apr. 5	641	138	109	1477
Siphon	S. W. Miller. (Reissue)	12,226	May 31	6052	1300	110	1415
Siphon	W. P. Locke and H. D. Minnick	773,511	Oct. 25	4821	1015	112	2067
Siphon	J. P. Harrigan	774,422	Nov. 8	1698	363	113	397
Siphon-closet	B. O. Tilden	770,027	Sept. 13	1691	359	112	399
Siphon-cover	W. H. Setzler	776,356	Nov. 29	5678	1301	113	1830
Siphon. Double-trap	S. W. Miller	761,316	May 31	5473	1163	110	1284
Siphon-filling apparatus.	L. P. Setzler	774,792	Nov. 15	2453	529	113	583
Siphon. Tank	W. C. Rice	771,790	Oct. 4	1125	251	112	1200
Sister-hook.	B. H. Brady	755,841	Mar. 29	5141	1137	109	1191
Size for paper-making. Means for dissolving	N. Kniffler	771,986	Oct. 1	1544	346	112	1302
Sizing	A. Müller-Jacobs	757,948	Apr. 19	3460		109	2117
Sizing-machine	H. G. Davis and M. E. Pugh	775,912	Nov. 29	4813	1019 1020	113	1152
Skate	N. G. Johnson	750,542	Jan. 26	3965	857	108	928
Skate	T. Spacie	757,240	Apr. 12	2042	446	109	1795
Skate-sharpener	C. W. Price	750,696	Jan. 26	4228	917	108	982
Skeleto-package	R. A. Bonner	767,791	Aug. 16	3315	700	111	1813
Skeining or winding cylinder	J. H. Young	755,096	Mar. 22	3709	814 815	109	863
Sketching outfit	A. R. Cobb	752,757	Feb. 23	3742	834	108	1924
Skid	J. P. Frank	750,446	Jan. 26	3760	817	108	887
Skin-stretching frame	J. M. and D. F. Harrigan	778,192	Dec. 20	3428	753	113	2196
Skins. Bating or puring	O. P. Amend	763,347	June 28	3419		110	2241
Skins or hides. Treating pickled or tanned	O. P. Amend	768,223	Aug. 23	4343		111	2058
Skirt	W. T. Smith and J. V. Malignit.	750,234	Oct. 19	3732	728	108	781
Skirt	W. Bush	761,200	May 31	5220	1110	110	1232
Skirt-adjuster	H. Wetherby	757,076	Apr. 12	1714	372	109	1723
Skirt and garment supporter	W. G. Johnson	778,785	Dec. 27	4572	1001	113	2464
Skirt and undergarment adjuster and hose-sup- porter. Combined	F. E. Moody	775,305	Nov. 22	3556	749	113	860
Skirt and waist holder	F. S. Boedefeld	762,378	June 14	1478	322	110	1779
Skirt and waist holder. Combined	M. Little-Pritzkow	757,756	Apr. 19	3101	675	109	2037
Skirt-drier	S. J. Goldsmith	772,816	Oct. 18	3215	701	112	1691
Skirt-fastener	V. W. Mills	766,035	July 26	4204	922	111	976
Skirt-fastener	J. Demsky	769,791	Sept. 13	1237	298	110	1169
Skirt-gage	M. M. McGowan	756,043	Mar. 29	5523	1218	109	1374
Skirt-hanger	J. M. Triner	751,030	Feb. 2	458	107	108	1159
Skirt-hanger	J. G. Goldsmith	774,768	Mar. 15	3098	677	109	712
Skirt-hanger	J. Nagely	773,583	Nov. 1	97	20	113	47
Skirt-holder	F. G. and R. O. Spear	756,149	Mar. 29	5712	1261	109	1314
Skirt-lifter	P. Bruene	777,660	Dec. 20	2362	519	113	1975
Skirt or garment supporter	W. G. Johnson	755,881	Mar. 29	5214	1153	109	1207
Skirt raiser. Dress	L. Schlichter	770,702	Sept. 20	2981	634	112	705
Skirt-spreader	G. H. Wickelberg	761,803	June 7	3869	79	110	1526
Skirt-supporter	T. N. Schebler	755,798	Mar. 29	5051	1122	109	1469
Skirt-supporter	A. M. Ott	757,672	Apr. 19	2942	638	110	203
Skirt-supporter	S. F. Nicolai	762,746	June 14	2243	487	110	1941

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr.	Vol.	Page.
Skirt-supporter	M. McPherson	769,108	Aug. 30	6094	1275	111	2468
Skirt-supporter	L. Wertheimer	769,970	Sept. 13	1582	387	112	373
Skirt-supporter and placket-fastener. Combined	E. Clewley	767,869	Aug. 16	3484	737	111	1847
Skirt-supporter and shirt-waist holder	C. B. Peterson	758,146	Apr. 26	3866	839	109	3236
Skirt-supporter and waist-retainer	W. J. Hagland	777,886	Dec. 20	3949	626	113	2079
Skirts. Woven interlining for	G. S. Cox	756,215	Apr. 5	41	10	109	1351
Skiving-machine. Band-knife	G. O. Jenkins	775,564	Nov. 22	4133	869 870	113	988
Skulling-machine	F. McCarthy	771,487	Oct. 4	518	116	112	1068
Skylight	W. H. Mullins, W. C. Hare, and H. C. Nelson.	751,746	Feb. 9	1780	405 406	108	1454
Skylight	C. W. Smith	752,869	Feb. 23	3960	887 888	108	1972
Skylight or transom lifter	K. Rüdelstab	770,316	Sept. 20	2262	474	111	546
Slab or covering. Building or structure	F. Purton	765,308	July 19	2938	614	111	671
Slack-adjuster	F. G. Koehler	771,312	Oct. 4	177	39	112	999
Slack-adjuster	P. Hien	777,098	Dec. 13	1269	279	113	1726
Slag-car	B. H. Bennetts and L. J. W. Jones.	758,812	May 3	462	92, 93	110	113
Slag-car	G. Mitchell	761,523	May 31	3859	1250	113	1367
Slag-furnace	E. Baggaley and O. S. Garretson	769,172	May 17	3197	670	110	754
Slag. Granulating	J. G. McDowell	777,388	Dec. 13	1818	402 403	113	1845
Slag-pot construction. Worm-gear-operated	N. V. Fitts	752,635	Feb. 16	3518	728	108	1857
Slasher compression-roll	D. McTaggart	762,433	June 14	1594	347	110	1804
Slate	C. E. Johnson	758,592	May 17	2634	551	110	626
Slate. Artificial	J. T. South	750,905	Feb. 2	239	—	108	1110
Slates or other coverings. Composition of matter for manufacturing	F. M. Ruschhaupt	761,788	June 7	350	—	110	1517
Slatting	J. H. Munro	769,664	Sept. 6	993	215	112	226
Sled	H. W. Tousey	763,521	June 28	3775	816	110	2320
Sled	W. A. Shephard	766,290	Aug. 2	311	63	111	1109
Sled	C. E. Burnham	767,260	Aug. 9	2302	482	111	1569
Sled	I. Sieno	775,045	Nov. 15	2663	632	113	699
Sled. Bob	J. H. Anderson	759,654	Mar. 1	833	188	109	182
Sled. Bob	H. L. and H. J. Ferris	765,232	July 19	2666	554 555	111	613
Sled. Bob	H. L. Ferris	765,234	July 19	2670	555	111	614
Sled. Coasting	W. F. Parmelee	754,887	Mar. 15	3342	730	109	764
Sled. Coasting	W. E. Kidder	767,821	Aug. 16	3935	717	111	1827
Sled draft mechanism. Traction	N. E. Brown	750,586	Jan. 26	4040	873	108	944
Sled draft mechanism. Traction	N. E. Brown. (Reissue)	12,238	June 28	4605	1007 1008	110	2497
Sled. Motor	T. Halldorson	754,996	Mar. 22	3540	775	109	624
Sled. Runner attachment	G. S. Frary	765,966	July 26	4135	869	111	941
Sled. Self-propelled	J. Erdelyi and L. Davis	766,173	Aug. 2	35	6	111	1049
Sleeve-drafter	E. Lesser	764,952	July 12	2164	449	111	491
Sleeves, couplings, or the like. Machine for forming	A. A. Anderson	749,013	Jan. 5	914	193	108	213
Sleigh	F. B. McNamee	759,905	May 17	2653	556	110	631
Sleigh	H. Bryda	761,653	June 7	43	7	110	1445
Sleigh	E. Michaud and C. Desjardins	766,457	Aug. 2	619	132	111	1175
Sleigh	N. Johnson and F. Pearson	770,010	Sept. 13	1663	353 354	112	393
Sleigh	P. Fletcher	770,745	Sept. 27	3055	654	112	739
Sleigh	A. P. Linn	778,054	Dec. 20	3167	696 697	113	2141
Sleigh attachment. Bob	A. Rockstad	755,942	Mar. 29	5343	1179	109	1235
Sleigh. Bob	F. A. Schloemer	762,091	June 7	918	189	110	1636
Sleigh-knee	P. S. Lockwood	754,225	Mar. 8	1996	443	109	456
Sleigh-runner attachment. Vehicle	H. Thiedemann	749,387	Jan. 19	2712	379	108	641
Sleigh. Spring	W. C. Prouty	774,532	Nov. 8	1908	414	113	442
Sleigh. Steam	J. R. Tibbits	756,078	Mar. 29	5578	1231 1232	109	1286
Sleigh. Wheeled	J. H. Wolf	750,146	Jan. 19	3207	689 690	108	745
Slicer and grater. Combined potato	L. L. Stevens	757,360	Apr. 12	2291	500	109	1847
Slicer and meat-tenderer. Vegetable	J. M. Holcomb	769,455	Sept. 6	795	171	112	180
Slicer for bread, &c.	I. Goldstein	775,601	Nov. 22	4208	886	113	1005
Slicer. Potato	C. Canciani	767,368	Aug. 16	5334	532	111	1036
Slicer. Vegetable	W. N. Dufford	762,579	June 14	1907	411	110	1871
Sliding gate	J. L. Laurence	759,116	May 3	1048	213	110	238
Sliding gate	J. Trisler	770,201	Sept. 13	2012	425	112	469
Slime-saving apparatus	J. J. Smith	761,615	May 31	6010	1290	110	1406
Slimes. Filtering	H. R. Cassel	774,349	Nov. 8	1574	337	113	371
Slimes. Pressure-filter for	W. A. Frichard	776,084	Nov. 29	5166	1091	113	1293
Slimes-washer	L. E. Porter	773,321	Oct. 25	4212	891	112	1936
Slimes-washer. Continuous	L. E. Porter	773,323	Oct. 25	4213	891	112	1936
Sling	F. L. Webster	756,304	Apr. 5	222	46	109	1392
Slop-hopper, floor-drain, and backwater-trap. Combined	C. W. O'Neill	765,749	July 26	3718	793	111	850
Slotting-machine	L. H. Colburn	748,844	Jan. 5	545	125 126	108	123
Slotting-machine	M. and H. E. Morton	757,563	Apr. 19	2713	593 594	109	1052
Slotting-machine	T. C. Dill	776,501	Dec. 6	48	12 13	113	1435
Slub-detector	S. W. Wardwell	752,732	Feb. 23	2700	826	108	1915
Slubbing, intermediate, or roving frame	W. H. Rhodes	777,696	Dec. 20	2419	332	113	1990
Slug, quoin, furniture, &c.	E. J. Buehler	773,191	Oct. 25	4140	874	112	1920
Sluice-box. Concentrating	C. M. Carter	757,176	Apr. 12	1981	422	109	1772
Sluice-box. Rotary	J. L. Porter	755,578	Nov. 22	4166	878	113	996
Sluice-gate. Automatic	A. T. Mirza	778,691	Dec. 27	4400	992	113	2426

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Small-arm. Recoil-loading.	G. Luger	753,414	Mar. 1	366	85 86 87	109	80
Small-arms.	F. Neuber and J. Tambour	749,877	Jan. 19	2690	575	108	636
Smelting and reducing metals.	C. Diesler	764,044	July 5	260	49	111	59
Smelting compounds and producing carbids.	W. S. Horry	765,838	July 26	3899	99	111	888
Smelting-furnace	M. L. Trapp	749,954	Jan. 19	2845	607	108	669
Smelting furnace	A. R. Partridge	757,221	Apr. 12	2006	436	109	1787
Smelting materials and producing carbid	A. H. Cowles	750,094	Jan. 19	3118	670	108	725
Smelting materials. Electrically	A. H. Cowles	760,057	May 17	2955	616	110	700
Smelting ore and cleaning converter-slag.	R. Bagdaley and C. M. Allen	766,655	Aug. 2	1039	436	109	1787
Smelting ores	A. R. Partridge	757,220	Apr. 12	2004	436	110	1787
Smoke-box-front protector	R. L. Partridge	778,134	Dec. 20	3323	729	113	2175
Smoke-condenser	H. Matthews	774,849	Nov. 15	2577	554	113	608
Smoke-consumer	H. Kaping	750,860	Feb. 2	150	34,35	108	1090
Smoke-consumer	J. A. Crawford	751,059	Feb. 2	159	113	108	1171
Smoke-consumer	R. R. Bryant	759,111	May 10	2272	470	110	530
Smoke-consumer	J. F. Miles	759,731	May 10	2308	480	110	538
Smoke-consumer	D. D. Williams	765,534	July 19	3278	686	111	744
Smoke-consumer	H. White	766,749	Aug. 2	1246	265	111	1317
Smoke-consumer	W. I. Sherman	768,082	Aug. 23	3950	839	111	1361
Smoke-consumer	R. O. Dobbin	770,171	Sept. 13	1940	414	112	453
Smoke-consumer	W. Wiley	774,297	Nov. 8	1475	316 317	113	349
Smoke-consumer and fuel-economizer	J. B. Barrett and J. W. Hickerson	759,061	May 3	938	190	110	214
Smoke-consumer and spark-arrester	G. Willett	771,420	Oct. 4	384	84	112	1038
Smoke-consuming apparatus	F. S. and F. R. Pleasonton	753,320	Mar. 22	3932	670	109	909
Smoke-consuming apparatus for locomotive-boilers.	F. S. and F. R. Pleasonton	764,304	July 5	791	161	111	174
Smoke-consuming furnace	J. A. Willard	750,786	Jan. 26	4453	959	108	1036
Smoke-consuming furnace	J. H. Hawke	753,359	Mar. 1	86	22	109	21
Smoke-consuming furnace	J. B. Harris	754,999	Mar. 22	3544	777	109	825
Smoke-consuming furnace	P. J. Kraetsch	756,379	Apr. 5	384	78,79	109	1426
Smoke-consuming furnace	R. Stoker	767,020	Aug. 9	1819	382	111	1465
Smoke-consuming furnace.	G. E. and B. Edgcomb and W. D. Ellis.	767,215	Aug. 9	2227	464	111	1532
Smoke-consuming furnace	J. A. Crawford	769,060	Aug. 30	6003	1258	111	2448
Smoke-consuming means	R. Simms	749,586	Jan. 12	2125	442	108	948
Smoke-conveyer	W. L. Gale	757,546	Apr. 19	2683	587	109	1946
Smoke. Emptying rooms of	G. F. Mahoney	750,869	Feb. 2	105	39	108	1094
Smoke-house	E. T. Malloy	769,756	Sept. 13	1178	254	112	234
Smoke-house	J. J. Yunker	777,467	Dec. 13	1961	433	113	1877
Smoke-preventing furnace	W. A. Kōneman	767,065	Aug. 9	1917	402	111	1487
Smoke-preventing furnace	J. M. Ericson	772,092	Oct. 11	1775	394 395	112	1355
Smoke-preventing furnace	W. A. Kōneman	775,041	Nov. 15	2955	631	113	098
Smoke-preventing means	H. H. Hughes	749,734	Jan. 19	2428	515 516	108	578
Smoke-protector.	W. E. Andrew	771,801	Oct. 11	1149	257	112	1219
Smoke-purifier.	J. F. Doyle	750,351	Jan. 26	3992	778	108	851
Smoke-stack	P. Dickinson. (Reissue).	12,210	Apr. 5	1178	262	109	1596
Smoke-stack	P. Dickinson	760,738	May 24	4296	912	110	1013
Smoke-stack for locomotive-engine houses	H. A. Walden	756,440	Apr. 5	506	105	109	1450
Smoke-stack. Spark-arresting	H. C. Clay	764,658	July 12	1575	321	111	360
Smoker's accessory	J. Weissenstein	768,007	Aug. 16	3811	795	111	1919
Smokers' articles. Mouthpiece or stem for	J. A. Manahan	757,760	Apr. 19	3107	676	109	2038
Smoking-pipe	T. Tomlinson	753,180	Feb. 23	4571	1019	108	2110
Smoking-pipe	A. Parati	770,102	Sept. 13	1816	383	112	426
Smokeless boiler	E. Chaquette	753,360	Mar. 1	255	58	109	58
Smoothing and sandpapering machine. Surface	G. Tons, Jr., and R. E. Sheridan	751,820	Feb. 9	1929	437	108	1486
Smoothing-iron	J. Kidd	761,500	May 31	5804	1240	110	1361
Smoothing-iron	J. Feldmeyer	763,384	June 28	3527	760	110	2293
Smut-machine	F. V. Deetel	776,839	Dec. 6	887	33	113	161
Snap-fastener	E. E. Plowman	756,403	Apr. 5	430	88	109	1435
Snap-fastener	T. R. Hyde, Jr., and E. D. Simons	757,196	Apr. 12	1965	429	109	1779
Snap-fastener	E. D. Simons	757,237	Apr. 12	2036	444	109	1794
Snap-fastener. Ball	A. J. Bradley	770,955	Sept. 27	3487	735 736	112	836
Snap. Harness	J. W. Lawhead	775,678	Nov. 22	4369	922	113	1040
Snap-hook	O. S. Marold	751,090	Feb. 2	505	131	108	1182
Snap-hook	F. Hooper	751,915	Feb. 9	2113	477	108	1529
Snap-hook	R. C. Eldridge	756,007	Apr. 5	789	172	109	1309
Snap-hook	A. A. Page	759,630	May 10	2125	437	110	498
Snap-hook	C. A. Zerbe	759,734	May 10	2145	512	110	569
Snap-hook	W. W. Broga	759,805	May 10	2163	515	110	573
Snap-hook	W. W. Broga	759,806	May 10	2164	516	110	573
Snap-hook	S. Smith	762,097	June 7	927	192	110	1638
Snap-hook	W. E. Deetel	762,171	June 7	927	225	110	1638
Snap-hook	C. J. Carlson	765,812	July 26	3833	821	111	873
Snap-hook	W. P. O'Brien	768,069	Aug. 23	3935	825	111	1968
Snap-hook	G. H. Nearing	768,817	Aug. 30	5503	1157	111	2333
Snap-hook	W. D. Weir	771,956	Oct. 11	1480	336	112	1288
Snap-hook	D. C. Bennett	778,776	Dec. 27	4559	998	113	2461
Snap-hook for job-stays	J. Wallace and W. H. Taylor	768,921	Aug. 30	5728	1203	111	2387
Snap. Locking	F. E. Sweet	761,850	June 7	497	100	110	1550
Snap. Releasing	R. A. Kettle	750,287	May 10	1458	290	110	853
Snaps to leather lines. Clamp for fastening	W. N. Spohn	754,358	Mar. 8	3217	495	109	501
Snare-tip	D. C. Bennett	777,716	Dec. 19	2456	539	113	1997
Snatch-block	J. E. Gilchrist	765,473	July 19	3171	663	111	722
Snatch-block	D. T. Walters and H. G. Prichard	770,514	Sept. 20	2622	536	112	625

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Diag.	Vol.	Page.
Snatch-block	A. Uren	772,072	Oct. 11	1732		112	1845
Snatch-block	W. Houghton	773,938	Nov. 1	817	171	113	188
Snatch-block	J. J. Geary	776,052	Nov. 29	5104	1080	113	1219
Snatch-block	J. E. Sjoberg	776,558	Dec. 6	178	41	113	1466
Snoring. Device for preventing	S. A. Moulton	774,446	Nov. 8	1736	374	113	405
Snow and ice from pavements. Device for removing.	G. Sibbald	763,189	Sept. 6	101	25	112	24
Snow-disposal system	J. C. Marriott	752,911	Feb. 23	4044	905	108	1991
Snow from railway-tracks. Apparatus for removing.	D. A. Beaudette	762,375	June 14	1475	321	110	1778
Snow-guard	G. F. Folsom	752,216	Feb. 16	2087	594	108	1676
Snow-melting apparatus	H. C. Davis	770,169	Sept. 13	1934	413	112	452
Snow-plow	S. D. Lamos	751,182	Feb. 2	743	170	108	1216
Snow-plow	S. D. Lamos	751,183	Feb. 2	744	170	108	1216
Snow-plow	W. F. Wheeler	757,163	Apr. 12	1904	415	109	1768
Snow-plow	A. Labelle	768,607	Aug. 30	5084	1068	111	2244
Snow-plow	E. Bowman	775,293	Nov. 23	3536	745	113	855
Snow-plow. Adjustable	E. T. Bushley	763,592	June 28	3908	849	110	2340
Snow-plow and road-making machine.	F. G. King	773,754	Nov. 1	423	93	113	100
Snow-plow. Reversible rotary	O. Cutting	749,172	Jan. 12	1261	272	108	309
Snow-scraper	I. Wonnacott	767,725	Aug. 16	3193	671	111	1785
Snow-scraper	C. M. Hopper	768,749	Aug. 30	5370	1131	111	2306
Snow-scraper	G. A. Birch	771,603	Oct. 4	754	168	112	1210
Snow-shovel	R. C. Menzies	760,689	May 24	4084	865	110	969
Snow shovel and melter	J. A. Wiedersheim	768,923	Aug. 30	5729	1204	111	2338
Soap and brush holder	M. E. Heartagen	754,306	Mar. 8	2141	474	109	485
Soap and making same	G. E. Schmidt	755,945	Mar. 29	5948		109	1236
Soap and soap-holder	E. M. Goldsmith	757,397	Apr. 12	2371	516	109	1862
Soap, &c. Apparatus for making chip	W. M. Morse	755,915	Mar. 29	5287	1167	109	1223
Soap cake	L. S. Samuel	754,243	Mar. 8	2027	450	109	462
Soap-holder	J. S. Roake	757,638	Apr. 19	2876	626	109	1989
Soap in liquid or paste form. Means for distributing	J. M. Campbell	761,750	June 7	274	54	110	1499
Soap-lock	G. D. Snell	755,553	Mar. 22	4538	1010	109	1089
Soap, &c. Machine for stamping	L. L. Conway	755,362	Mar. 22	4201	929	109	968
Soap. Making chip	W. M. Morse	752,573	Feb. 16	3372	732	108	1826
Soap-mold	C. Languth	760,173	Sept. 6	70	18	112	17
Soap-molding apparatus	F. C. Iherer, J. W. Alexander, J. F. Barr, and J. M. Ochiltree.	763,706	Mar. 1	948	215	109	205
Soap-receptacle	M. E. Eddy	750,833	Feb. 2	101	24	108	1079
Soap-receptacle and distributor	W. E. Robinson	755,700	Mar. 29	4843	1077	109	1123
Soap-receptacle. Liquid or powdered	T. P. Jarvis	766,624	Aug. 2	992	308	111	1262
Soap-sample mounting	G. S. von Wedelstaedt.	761,801	June 7	386	78	110	1525
Soap-saving device	R. Brown	768,731	Aug. 30	5336	1124	111	2298
Soap tablet	G. L. Cataldo	768,463	June 28	3682	794	110	2302
Soap-tray	A. E. Hughes	766,254	Aug. 2	231		111	1091
Socket-hinge	G. C. Whitmore	750,815	Feb. 2	55	12	108	1020
Socket member	P. H. Stein	755,407	Mar. 22	4285	947	109	986
Socket member	W. S. Richardson	755,582	Mar. 22	4587	1020	109	1050
Socket member	J. D. Strickler	769,778	Sept. 13	1217	262	112	213
Socket-wrench	J. D. Strickler	769,779	Sept. 13	1218	262	112	213
Sod-cutter	W. W. March	759,825	May 10	2504	533	110	581
Sod-cutter	G. Lane	764,058	July 5	287	55	111	65
Sodding composition and making same	J. Hudlemeyer and T. S. Rippey	776,844	Dec. 6	775	168	113	1506
Soda arm or faucet	E. A. Kanst	776,246	Nov. 29	5486	1161	113	1307
Soda fountain	J. A. McCormick	767,115	Aug. 9	2026	421	111	1511
Soda-tank coupling-head	F. Bletzing	765,374	July 19	2946	616	111	673
Soda-water apparatus	C. A. Geddes	770,570	Sept. 20	2728	578	112	650
Soda-water apparatus	H. A. Hopkins	772,453	Feb. 16	3151	702	108	1776
Soda-water apparatus	C. A. Geddes	753,566	Mar. 1	671	151	109	148
Soda-water apparatus	F. H. Lippincott	753,718	Mar. 1	968	219	109	208
Soda-water apparatus, &c. Valve connection for	J. Cederstrom	769,688	Sept. 13	1054	236	112	258
Sodium sulfid. Manufacturing	J. F. White	755,201	Mar. 22	3903		109	903
Solar-heating apparatus.	G. H. Adams	768,327	Aug. 23	4940	63	110	2058
Solar heater	H. Browning, Jr.	758,696	Jan. 5	277	6	108	62
Solar heater	E. Moss	761,596	May 31	5949	1281	110	1397
Solder for aluminium or aluminium alloys	R. Fortun and E. Semprun	778,025	Dec. 20	3116		113	2130
Solder-rolling machine. Wire	A. Lotz	754,325	Mar. 8	2167	480	109	490
Soldering apparatus	J. A. Wirth and J. Beech	767,465	Aug. 16	2697	566	111	1674
Soldering apparatus. Can-	J. G. and M. O. Rehfuss	754,939	Mar. 15	3429	750	109	783
Soldering armature-leads to commutator-bars	J. Beech	767,472	Aug. 16	2713	570	111	1673
Soldering-iron	C. B. Rogers	761,010	May 24	4829	1025	110	1127
Soldering-iron	N. A. Sullivan and W. F. Ryan	765,641	July 19	3470	733	111	786
Soldering-iron	P. Gilbert	774,064	Nov. 1	1055	226	113	238
Soldering-iron	A. A. Ackerman	777,711	Dec. 20	2448	538	113	1966
Soldering-iron. Electric	J. I. Ayer	748,571	Jan. 5	8	2	108	4
Soldering-iron. Electric	S. Evershed	759,426	May 10	1734	351	110	413
Soldering-iron. Electrically-heated	W. J. Bowen	750,239	Jan. 19	3379	729	108	783
Soldering-iron. Electrically-heated	A. C. McCloskey	757,670	Apr. 19	2936	638	109	2002
Soldering-iron heater	F. J. De Witt	761,684	May 31	5947	1276	110	1392
Soldering-iron. Self-heating	W. P. Bartholow	763,243	June 21	3223	694	110	2180
Soldering-machine	G. L. Merrell	749,211	Jan. 12	1349	290	108	331
Soldering machine. Bail-ear	E. J. Moore	764,536	July 5	1306	265	111	236
Soldering machine. Can-	J. G. and M. O. Rehfuss	754,699	Mar. 15	2985	650	109	785
Soldering machine. Can-	J. J. Griffin	758,911	May 3	663	133	110	156
Soldering machine. Can-	J. A. Booth	766,162	Aug. 2	5	1, 2, 3	111	1044

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Soldering machine. Can-.....	O. J. Johnson	776,473	Nov. 29	5906	1247	113	1403
Soldering machine. Can-end.....	A. Lotz	774,483	Nov. 8	1814	393	113	422
Soldering-machine. Gang.....	J. Dubé	752,333	Feb. 16	2922	651	108	1727
Soldering machines or for other purposes. Feed mechanism for can-.....	O. J. Johnson	776,330	Nov. 29	5621	1191	113	1335
Soldering-pad. Jeweler's.....	J. E. Whitten	768,496	Aug. 23	4828	1012	111	2169
Sole and heel protector. Shoe.....	G. C. Calentine	758,816	May 3	475	95	110	116
Sole and heel setting, trimming, and burnishing machine. Boot or shoe.....	Z. Beaudry	770,415	Sept. 20	2429	514	112	583
Sole-cutting rounding-machine tool.....	D. F. Hartford	767,754	Aug. 16	3242	683	111	1797
Sole fastener. Shoe.....	J. P. Wakefield	777,453	Dec. 13	1933	427	113	1870
Sole or heel protector.....	J. D. Kaestner	750,979	Feb. 2	369	89	108	1199
Sole-plate or rail-chair.....	D. O. Wiegars	773,545	Oct. 13	2093	501	112	1573
Sole. Slipper.....	E. A. Guinzburg	764,941	July 12	2150	415	111	438
Sole. Slipper.....	J. D. Cooper and M. Hale	773,850	Nov. 1	625	132	113	145
Sole vulcanizing and applying apparatus. Shoe-.....	G. F. Butterfield	774,865	Nov. 15	2614	560	113	618
Solid and fluid fuel furnace.....	C. A. Gifford	776,053	Nov. 29	5106	1080	113	1219
Solutions. Preparing highly-diluted.....	E. Joseph	758,430	Apr. 26	4473	57	109	2359
Sorting-machine.....	J. Riddlebaugh	754,390	Mar. 8	3338	511	109	527
Sorting-machine.....	E. Rettich and G. Berger	758,104	Apr. 26	3785	822	109	2206
Sorting-machine.....	E. M. Lamb	770,235	Sept. 13	2071	435	112	482
Sound and optical impressions. Apparatus for recording and reproducing.....	F. Schaefer	762,948	June 21	2663	577	110	2055
Sound-box.....	G. Robertson	764,868	July 12	1991	410	111	452
Sound-box. Convertible.....	J. K. Reynard	776,941	Dec. 6	968	207	113	1640
Sound-box. Convertible.....	V. H. Emerson	777,615	Dec. 13	2274	499	113	1842
Sound collecting and magnifying device.....	C. C. Henry	763,573	July 28	3879	841	110	2343
Sound-direction finder. Submarine.....	A. J. Mundy	768,573	Aug. 23	4991	1046	111	2204
Sound intensifier. Electrically-produced.....	G. T. Swenson	751,818	Feb. 9	1927	437	108	1486
Sound-producing-instrument diaphragm.....	Z. J. Le Fevre	755,506	Mar. 22	4453	989	109	2019
Sound-record. Double-faced.....	A. N. Petit	749,092	Jan. 5	1093	231	108	251
Sound record or blank support.....	L. Steinberger	765,549	Aug. 2	816	172	111	1219
Sound-records. Apparatus for electroplating.....	G. K. Cheney	758,352	Apr. 26	4288	921	109	2317
Sound-records. Duplicating.....	G. A. Manwaring	774,192	Nov. 8	1286	273	113	308
Sound-records. Making.....	T. A. and J. B. Connolly	773,532	Oct. 25	4880	1030	112	2080
Sound-records. Production of.....	J. W. Jones	763,564	June 23	3861	836	110	2359
Sound-records. Production of.....	J. W. Jones	768,904	June 28	4515	985	110	2478
Sound-records, &c. Production of.....	T. H. Macdonald	773,801	Nov. 1	502	109	113	117
Sound recording and reproducing machine.....	H. Jones	750,460	June 26	3786	823	108	892
Sound recording and reproducing machine sound-box.....	G. K. Cheney	749,360	Jan. 12	1659	353	108	399
Sound-recording apparatus.....	J. W. Jones	763,003	June 23	4513	985	110	2478
Sound-recording machines. Removable turn-table for.....	E. R. Johnson	752,682	Feb. 23	3610	804	108	1895
Sound-reproducing apparatus.....	J. Wellner	766,561	Aug. 2	856	179	111	1228
Sound-reproducing apparatus. Mechanism for changing the reproducer-pins of.....	I. Schmurkin	776,354	Nov. 29	5673	1201	113	1349
Sound-reproducing instruments. Horn for.....	F. S. Kinney	776,070	Nov. 29	5189	1085	113	1227
Sound-reproducing machine.....	A. G. Tisdell	765,522	July 10	3253	681	111	739
Sound-reproducing machine.....	B. Dubinski	773,486	Oct. 25	4748	1001	112	2050
Sound-reproducing-machine governor.....	J. F. Hardy	761,167	May 31	5179	1100	110	1221
Sound-reproducing-machine regulating mechanism.....	B. C. Schutte	762,661	June 14	2064	446	110	1906
Sound-reproducing-machine tablet.....	O. Messier	761,846	June 7	473	96	110	1545
Sound-reproducing record and making same.....	T. A. and J. B. Connolly	749,090	Jan. 5	951	201	108	221
Sound transmitter and receiver.....	A. J. Mundy	768,568	Aug. 23	4981	1043	111	2201
Sound transmitter and receiver.....	A. J. Mundy	768,570	Aug. 23	4987	1044	111	2203
Sound transmitter and receiver.....	A. J. Mundy	768,571	Aug. 23	4989	1045	111	2203
Sound transmitter and receiver.....	A. J. Mundy	768,572	Aug. 23	4989	1045	111	2204
Sound-transmitters. Hygienic appliance for.....	T. B. Owen	768,708	Aug. 30	5403	1138	111	2314
Sound-vibrations in water. Means for producing.....	J. B. Millet and A. J. Mundy	773,580	Nov. 1	92	19	113	26
Sounder-frame.....	G. A. Zundel	764,027	July 5	233	42	111	54
Sounding apparatus.....	C. W. Farr	751,623	Feb. 9	1552	353	108	1407
Sounding apparatus.....	J. Philp	756,887	Apr. 12	1338	297	109	1644
Soundings and indicating the depths thereof. Apparatus for taking.....	V. Howard and A. E. H. Marescaux	771,639	Oct. 4	827	185	112	1136
Soundings. Apparatus for taking.....	P. O'Neill	773,887	Nov. 1	708	149	113	163
Soundings. Instrument for taking.....	E. E. Wigzell	758,943	Mar. 8	1472	330	109	340
Souvenir. Pocket.....	E. Scott	752,183	Feb. 16	2619	581	108	1659
Sower. Fertilizer.....	J. Willson	773,616	Nov. 1	151	34	113	39
Spacing-rack. Automatic adjustable.....	E. A. Stickney	776,625	Dec. 6	310	69	113	1500
Spacing-table.....	L. D. Weaning	748,823	Jan. 5	503	114	108	114
Spade and pickax. Combined.....	C. Prangemeier	768,770	Aug. 30	5406	1135	111	2314
Spanner.....	A. W. Smith	749,588	Jan. 12	2128	443	108	498
Spanner or wrench.....	M. Halstead and J. Chandler	770,574	Sept. 20	2735	579	112	651
Spanner or wrench.....	J. Mulling	777,910	Dec. 20	2986	635	113	2084
Spanner-wrench.....	J. S. Miller Jr.	761,522	May 31	3836	1249	110	1367
Spanner-wrench.....	V. H. Ernst	761,881	June 7	545	108	110	1562
Spark and tinder arrester.....	W. S. Cavender	757,270	Apr. 12	2093	456	109	1805
Spark-arrester.....	D. S. Child	750,088	Jan. 19	3108	668	108	723
Spark-arrester.....	J. D. King	750,658	Jan. 26	4132	901	108	966
Spark-arrester.....	M. H. Thode	752,481	Feb. 16	3196	712	108	1786
Spark-arrester.....	G. H. Rood	759,553	May 10	1973	403	110	467
Spark-arrester.....	W. S. Weimer	768,255	Aug. 23	4337	912	111	2057
Spark-arrester.....	J. G. Gullick	770,638	Sept. 20	2857	607	112	678
Spark-arrester.....	A. J. Haebler	776,239	Nov. 29	5476	1159	113	1305
Spark-arrester and fuel-saver.....	J. A. Crawford	768,520	Aug. 23	4570	1021	111	2178

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Spark arrester, extinguisher, and discharger	J. W. Heaton	752,676	Feb. 23	3597	801	108	1892
Spark-arrester. Locomotive or other boiler	J. C. Bowring	767,860	Aug. 16	3467	733	111	1844
Spark-gap. Rotary	F. F. Strong	775,872	Nov. 22	4726	1000	113	1114
Spark-plug	E. B. Jacobson	774,432	Nov. 8	1711	366	113	400
Spark production. Controlling	L. de Forest	750,180	Jan. 19	3267	706	108	758
Sparkler	F. Dickinson	754,280	Mar. 8	2090	469	109	476
Sparkling mechanism. Variable	G. E. Tregurtha	749,505	Jan. 12	1976	410	108	462
Sparkling mechanism. Variable	G. E. Tregurtha	761,271	May 31	5377	1143	110	1264
Sparkling plug	A. F. Pieper	764,626	July 12	1501	307	111	345
Sparkling plug	C. F. Splittdorf	773,168	Oct. 25	4103	867	112	1912
Sparkling-plug-testing apparatus	J. E. Newton	761,535	May 31	5858	1256	110	1371
Spatula and cork-extractor	E. B. Jelks	759,714	May 10	2275	470	110	531
Speaking figure	G. W. Spencer and A. Lynde	754,323	Mar. 15	3218	701	109	737
Speaking-tube	B. M. Graybill	762,900	June 21	2532	557	110	2033
Speaking-tube	C. G. Jardine	771,642	Oct. 4	832	187	112	1137
Spear. Automatic rope	M. J. Riggs	776,425	Nov. 29	5810	1230	113	1381
Spectacle-case	H. A. Holibaugh	768,662	Aug. 30	5193	1092	111	2267
Spectacle-frame	I. Fox	771,064	Sept. 27	3684	776	112	877
Spectacle-holder	G. L. Eason	738,629	May 3	51	9	110	16
Spectacle or eyeglass lens-fastening	C. M. Porter	751,939	Feb. 9	2163	488	108	1539
Spectacle or eyeglass support	W. S. Boyd, 3d	765,914	July 26	4032	861	111	918
Spectacle-temple	O. Lavalée	753,594	Mar. 1	729	163	109	158
Spectacles	S. G. Marshutz	756,871	Apr. 12	1307	292	109	1638
Spectacles	H. Heeren	771,067	Sept. 27	3712	782	112	883
Spectacles. Rim-	J. C. Anderson	732,944	Feb. 23	4145	923	108	2013
Speculum	T. De Vilbiss	751,475	Feb. 9	1278	291	108	1348
Speculum. Rimless trivalve vaginal	W. H. Clark and T. S. Harper	761,821	June 7	423	86	110	1533
Speech, &c. Electromagnetic switch device for apparatus for magnetically recording and strengthening the reproduction of	P. O. Pedersen	752,858	Feb. 23	3940	884	108	1967
Speed and distance measurer and indicator	C. J. Springer	764,017	July 5	198	36	111	48
Speed and power transmission device. Variable	C. L. Rosenqvist	773,426	Oct. 25	4636	979	112	2027
Speed and reversing mechanism. Variable	F. O. Farwell	775,647	Nov. 22	4803	909	113	1026
Speed-changer	G. E. Greenleaf and H. R. Kennedy	753,878	Mar. 8	1326	299	100	306
Speed-changer	A. L. De Leeuw	764,115	July 5	409	79, 80	111	89
Speed-changer hanger	E. J. Lees and E. L. Aiken	738,406	Mar. 1	341	77, 78	109	76
Speed-changing mechanism	C. J. Reed	758,474	Apr. 26	4513	970	109	2368
Speed-changing mechanism	C. J. Reed	758,561	Apr. 26	4687	1011	109	2406
Speed-changing mechanism	W. L. Schellenbach	761,824	May 31	5487	1167	110	1286
Speed-changing mechanism	C. J. Reed	776,940	Dec. 6	964	206	113	1640
Speed-cone	J. Hearttgen	754,307	Mar. 8	2142	475	109	485
Speed-controller	E. R. Douglas	766,229	Aug. 2	170	31	111	1079
Speed device. Variable	I. H. Spencer	751,968	Feb. 9	2198	495	108	1547
Speed device. Variable	H. E. Kellogg	765,667	July 26	3548	749	111	817
Speed device. Variable	W. E. Crane	766,757	Aug. 2	1262	270	111	1321
Speed-differentiating device	F. H. Cheyne	755,616	Mar. 29	4671	1038	109	1082
Speed-indicating alarm	F. S. Cahill and W. F. Landgraf	767,734	Aug. 16	3208	676	111	1789
Speed-indicating apparatus	F. Montandon	772,625	Oct. 18	2849	625	112	1511
Speed-indicator	T. H. McQuown	749,743	Jan. 19	2446	521	108	582
Speed-indicator	G. N. Moore and M. O'Neill	758,596	Apr. 26	4763	1025	109	2424
Speed-indicator	F. E. Wolf	760,833	May 24	4499	957	110	1056
Speed-indicator	J. Heyde	771,980	Oct. 11	1532	344	112	1900
Speed-indicator	L. F. W. Pahl	773,670	Nov. 1	250	58, 59	113	62
Speed-indicator	C. G. B. Holman	777,371	Dec. 13	1777	305	113	1833
Speed indicator and recorder	C. Schenck, Jr.	762,201	June 7	1113	238	110	1681
Speed-indicator. Automatic rotary	H. Dahl	774,964	Nov. 15	2794	597	113	659
Speed-indicator. Magnetic	S. B. Storer	769,041	May 8	905	184	110	208
Speed mechanism	J. B. Bender	761,137	May 31	5116	1086	110	1207
Speed mechanism. Variable	F. V. Mathews	750,874	Feb. 2	181	42, 43	108	1066
Speed mechanism. Variable	E. C. Sargent	751,564	Feb. 9	1443	328	108	1385
Speed mechanism. Variable	C. S. Hisey	752,223	Feb. 16	2097	597	108	1678
Speed mechanism. Variable	J. Parker	754,339	Mar. 8	2190	487	109	485
Speed mechanism. Variable	C. F. Laur and A. E. Robinson	755,504	Mar. 22	4448	883	109	1018
Speed mechanism. Variable	A. Mill	764,746	July 12	1743	355	111	396
Speed mechanism. Variable	H. L. F. Trebert	765,445	July 19	3097	648	111	706
Speed mechanism. Variable	W. D. Custead	768,736	Aug. 30	5347	1126	111	2301
Speed mechanism. Variable	W. D. Custead	771,046	Sept. 27	3662	771	112	873
Speed mechanism. Variable	F. Miller	772,246	Oct. 11	2099	458	112	1426
Speed regulation for motor-driven machinery. System of	G. S. Dunn	754,980	Mar. 22	3513	770	109	819
Speed-regulator	E. Maurer	751,319	Feb. 2	1023	232	108	1275
Speed-regulator	N. Pedersen	774,892	Nov. 15	2660	671	113	628
Speed-regulator	J. E. Johnson	777,902	Dec. 20	2862	630	113	2081
Speed-regulator for hydraulic presses	R. Wenzelides	766,007	Jan. 26	4220	900	111	958
Speed-regulator. Friction	F. W. Linnert	750,056	July 19	3049	633	108	712
Speed regulator. High	L. Pagan	749,217	Jan. 12	1372	295	108	396
Speed transmission and regulator or brake. Variable	C. W., and S. Hibbard	762,055	June 7	850	175	110	1621

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Speed-transmission device. Variable.	W. Evans and P. W. Knauf	759,872	May 17	2600	544	110	619
Speed-transmission device. Variable.	R. C. Fay	765,173	July 19	2567	536	111	591
Speed-transmission mechanism. Variable.	W. C. Bucknam	765,956	July 26	4107	876	111	935
Speed transmitter. Variable.	F. Miller	760,909	May 24	4620	985	110	1083
Speed-varying-mechanism disk.	M. O. Reeves	761,910	June 7	600	130	110	1573
Speedometer	J. W. Jones	765,841	July 26	3911	893	111	890
Speedometer	H. Brown	778,399	Dec. 27	3854	840	113	2306
Spelter. Making	O. Nagel	766,279	Aug. 2	292	111	1105	
Spice-box	W. West	770,485	Sept. 20	2558	545	112	609
Spigot	C. A. Gildemeyer	776,465	Nov. 29	5887	1243	113	1388
Spike	J. B. Anderson	774,144	Nov. 8	1196	255	113	287
Spike-extractor	E. Welsh	757,162	Apr. 12	1902	415	109	1785
Spike-extractor	L. D. Butters	767,925	Aug. 16	3559	759	111	1870
Spike-extractor	E. Bebler	769,048	Aug. 30	5982	1253	111	2444
Spike-making machine	J. Lowry	766,714	Aug. 2	1179	246	111	1304
Spike-puller.	F. W. and F. A. Gerlach and F. W. Moore.	753,386	Mar. 1	305	68	109	69
Spike-puller.	H. Q. Hood	775,534	Nov. 22	4040	852	113	968
Spike-pulling device	G. H. Bell	751,604	Feb. 9	1516	345	108	1400
Spindle: See Core-spindle. Spinning and doubling frame spindle.							
Spindle.	V. Bélanger	768,555	Aug. 23	4948	1095	111	2194
Spindle.	V. Bélanger	768,556	Aug. 23	4950	1095	111	2195
Spindle.	V. Bélanger	768,724	Aug. 30	5325	1121	111	2296
Spindle and bearing	J. J. and H. E. Hughes	778,246	Dec. 27	3533	775	113	2238
Spindle-driving-band tension device.	D. G. Breheny	752,199	Feb. 16	2654	588	108	1667
Spindle-driving bands. Mechanism for guiding and applying tension to	T. H. Greenwood	754,061	Mar. 8	1678	376	109	386
Spindle-driving bands. Mechanism for guiding and applying tension to	J. Boyd	752,647	Feb. 23	3542	788	108	1880
Spindle-driving mechanism	J. Boyd	778,737	Dec. 27	4479	980	113	2443
Spindle-lubricating means.	E. E. Bradley	756,465	Apr. 5	551	115	109	1400
Spindle-lubricator	J. B. Bradley	777,394	Dec. 13	1829	404	113	1847
Spindles.	J. Voyer	764,786	July 12	1822	374	111	415
Spindles. Bobbin-clutch for rotatable.	C. E. Metcalf	776,141	Nov. 29	5269	1114	113	1257
Spindles. Bobbin-clutching means for rotatable.	F. H. Thompson	770,402	Sept. 20	2408	509	112	579
Spindles. Bobbin-clutching means for rotatable.	J. C. Edwards	772,559	Oct. 18	3723	598	112	1585
Spindles. Bobbin-clutching means for rotatable.	C. A. Smith	772,584	Oct. 18	2776	612	112	1596
Spindles. Bobbin-clutching means for rotatable.	J. A. York	772,599	Oct. 18	2799	616	112	1601
Spindles. Bobbin-clutching means for rotatable.	J. C. Edwards	773,583	Nov. 1	43	9	113	14
Spindles. Bobbin-clutching means for rotatable.	H. Lawrence	773,798	Nov. 1	496	108	113	116
Spindles. Bobbin-clutching means for rotatable.	W. E. Allen	775,889	Nov. 22	4749	1006	113	1119
Spindles. Bobbin-clutching means for rotatable.	W. E. Allen	776,163	Nov. 29	5312	1123	113	1266
Spindles. Bobbin-clutching means for spinning.	C. E. Metcalf	776,142	Nov. 29	5271	1114	113	1258
Spindles. Bobbin-retaining means for rotatable	F. E. Norcross	775,850	Nov. 22	4688	993	113	1107
Spinner	H. F. Stimps	756,542	Apr. 5	686	147	109	1487
Spinning and doubling apparatus.	R. W. Moncreiff	755,153	Mar. 22	3805	838	109	884
Spinning and doubling frame spindle. Self-contained	H. Meynell	776,410	Nov. 29	5780	1223	113	1374
Spinning and twisting apparatus	R. L. Cumneck	752,760	Feb. 23	3747	836	108	1925
Spinning and twisting apparatus. Ring.	G. O. Draper	773,553	Nov. 1	41	9	113	13
Spinning and twisting frame doffer	D. E. Carey	755,450	Mar. 22	4363	966	109	1000
Spinning and twisting machine	C. T. and A. T. Atherton	749,470	Jan. 12	1912	397	108	449
Spinning and twisting machine	G. W. Foster	768,442	Aug. 23	4729	991	111	2149
Spinning and twisting machine	F. E. Damon and C. P. Thiel	771,720	Oct. 4	976	212	112	1168
Spinning and twisting machine bands. Machine for making	T. A. Sizemore	778,150	Dec. 20	3347	738	113	2181
Spinning and winding machine. Yarn	A. J. and H. A. Foulds	776,128	Nov. 29	5247	1137	113	1251
Spinning and winding machine. Yarn	A. J. and H. A. Foulds	776,129	Nov. 29	5250	1109	113	1252
Spinning and winding machine. Yarn	E. Neild and H. Marsh	778,098	Dec. 27	4411	965	113	2129
Spinning apparatus	G. O. Draper	774,742	Nov. 15	2350	509	113	559
Spinning apparatus	G. O. Draper	774,743	Nov. 15	2354	509	113	560
Spinning apparatus	G. O. Draper	774,744	Nov. 15	2356	510	113	560
Spinning apparatus. Ring.	A. Lovejoy	752,228	Feb. 16	3728	604	108	1685
Spinning apparatus. Ring.	G. Paley	758,275	Apr. 26	4119	891	109	2280
Spinning apparatus. Ring.	G. O. Draper	768,846	Aug. 30	5577	1171	111	2352
Spinning apparatus. Yarn	J. Hayden	756,166	Mar. 29	5737	1267	109	1920
Spinning apparatus. Yarn	F. H. Draper	758,752	May 3	350	70	110	86
Spinning cotton or other fibers.	W. F. Draper	769,973	May 24	4764	1014	110	1113
Spinning cotton or other fibers. Apparatus for.	W. A. Phillips and F. Hutchins	778,603	Dec. 27	4249	925	113	2391
Spinning-frame clearer. Ring.	W. A. Phillips and F. Hutchins	778,604	Dec. 27	4251	925	113	2392
Spinning frame. Ring.	W. H. Gordon	762,163	June 7	1044	219	110	1665
Spinning frame scavenger-roll support	R. Kron	762,640	June 14	2055	438	110	1896
Spinning-frame separator mechanism	C. J. Murray	775,928	Nov. 29	4889	1025	113	1157
Spinning-frame separator mechanism	H. K. Smith	763,120	June 21	2974	641	110	2124
Spinning-frame separator mechanism	H. K. Smith	763,121	June 21	2978	642	110	2124
Spinning-frame spinning apparatus	H. G. Beede	777,831	Dec. 20	2698	594	113	2048
Spinning-frame thread-board	H. F. Cottle	767,263	Aug. 9	2306	488	111	1570
Spinning-frame thread-guide	J. E. Prest	758,993	May 3	706	142	110	155
Spinning-frame top-clearer	G. Skinner and F. Hardman	770,123	Sept. 13	1855	394	112	435
Spinning-machine	W. Allau	778,723	Dec. 27	4474	973	113	2442
	L. Dugaquier	752,829	Feb. 23	3884	871	108	1955

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Spinning-machine	A. L. Mathewson	765,319	July 19	2835	591 592	111	650
Spinning-machine	E. Gessner	771,059	Sept. 27	3694	778 779 780	112	879
Spinning-machine	D. Alexander and J. L. Napier	775,549	Nov. 22	4160	862 863	113	981
Spinning-machine	H. A. Owen	777,915	Dec. 20	2892	636 637	113	2085
Spinning-machine belt-shifter	M. T. Bentley	751,894	Feb. 9	2071	468	108	1519
Spinning-machine doffing apparatus	J. F. Muheim	761,980	June 7	722	147 148	110	1597
Spinning-machine feed-roll	M. T. Bentley	764,980	July 12	2214	458	111	500
Spinning-machine. Mule	J. Holt	758,652	May 3	86	18	110	23
Spinning-machine ring-rail motion	M. T. Bentley	749,521	Jan. 12	2010	417	108	470
Spinning-machine roll-cleaning device	V. Maheu	752,989	Feb. 22	4251	943	108	2034
Spinning-machine roller-stopping mechanism	J. Harrison	765,890	July 26	3989	851	111	908
Spinning-machine. Rotary ring	A. T. and C. T. Atherton	759,846	May 17	2354	534	110	608
Spinning-machine stop-motion	M. T. Bentley	774,149	Nov. 8	1204	257	113	289
Spinning-machine stop-motion. Ring	J. Poisson	777,918	Dec. 20	2903	639	113	2087
Spinning-machine tension-regulating traveler	C. de Rossetti	765,596	July 19	3989	713	111	707
Spinning-machines. Fiber-gathering can for	G. Stiehl	750,131	Jan. 19	3178	684	108	738
Spinning-mule	H. S. Gollard	750,026	Jan. 19	2988	639 640	108	700
Spinning or other machinery. Drawing mechanism for	W. H. Drury	763,863	June 28	4437	966	110	2462
Spinning or twisting	F. W. Sawyer	771,397	Oct. 4	368	82 77 78	112	1035
Spinning or twisting apparatus	F. W. Sawyer	771,396	Oct. 4	348	79 80 81	112	1043
Spinning or twisting machine thread-guide support.	L. T. Houghton	753,577	Mar. 1	695	156	109	152
Spinning or twisting machine thread-guide support.	L. T. Houghton. (Reissue)	12,263	Aug. 23	5005	1049	111	2208
Spinning-ring	D. Harrington	749,180	Jan. 12	1297	280	108	317
Spinning-ring	H. B. Hoyle	757,748	Apr. 19	3087	672	109	2034
Spinning-ring	L. Mellett	761,086	May 31	5026	1065	110	1188
Spinning-ring	H. B. Hoyle	765,241	July 19	2683	558	111	617
Spinning-ring	H. B. Hoyle	771,153	Sept. 27	3883	819	112	922
Spinning-ring	F. Potts and J. W. Hurst	778,739	Dec. 27	4606	1005	113	2472
Spinning-ring. Rotary	V. Bélanger	767,034	Aug. 9	1852	389	111	1473
Spinning-ring traveler	L. Mellett	772,527	Oct. 18	2663	585	112	1571
Spinning-spindle	J. E. Prest	768,074	Aug. 23	3980	836	111	1979
Spinning-spindle	J. E. Prest	775,681	Nov. 22	4373	923	113	1041
Spinning-spindle	G. O. Draper	776,121	Nov. 29	5294	1106	113	1247
Spinning-spindle	G. O. Draper	778,122	Nov. 29	5237	1106	113	1248
Spinning-spindle and bobbin	J. E. Prest	767,011	Aug. 9	1805	379	111	1461
Spinning-spindle bobbin-clutching means	H. Lawrence	773,797	Nov. 1	495	108	113	115
Spinning-spindles. Bobbin-clutching means for	C. E. Metcalf	764,744	July 12	1739	355	111	395
Spinning-spindles. Bobbin-clutching means for	C. E. Metcalf	764,745	July 12	1741	355	111	396
Spinning-spindles. Bobbin-clutching means for	C. E. Nutting	764,737	July 12	1766	391	111	402
Spinning, twisting, winding, or like machines. Mechanism for driving flier or like spindles of	J. Boyd	765,913	July 26	4031	861	111	918
Spiral motor. Steam and hydraulic	S. George	750,532	Jan. 26	3929	852	108	921
Spiral spring	A. E. Terry	769,362	Sept. 6	448	99	112	99
Spirally-wound tube	W. E. Williams	768,107	Aug. 23	4054	853	111	166
Spirometer	A. E. Wells	757,797	Apr. 19	3183	691	109	2057
Spirometer	H. T. Lyttleton	767,522	Aug. 16	2817	589	111	1701
Spittoon. Pocket	J. M. A. Deydier	751,266	Feb. 2	927	210	108	1254
Splice-bar	A. C. Shand	762,003	June 7	762	155	110	1605
Splicing-ring	W. H. Burnham	763,150	June 21	3045	655	110	2139
Splicing-tool	A. B. Probasco	755,542	Mar. 22	4517	1005	109	1033
Splice-weight	F. K. Lord	764,482	July 5	1168	238	111	257
Splice-carrier	F. C. Dininny, Jr.	750,754	Jan. 26	4380	946	108	1020
Spoke	P. J. Sweeney	769,510	Sept. 6	790	158	113	105
Spoke-cutting machine	G. F. Autry	752,640	Feb. 23	3530	785 786	108	1877
Spoke-extractor	W. G. Pfeiffer	763,423	June 28	3619	779	110	2287
Spoke. Metallic wheel	T. Midgley	773,814	Oct. 18	3216	700	112	1690
Spoke-puller	A. C. G. Draper	770,474	Sept. 20	2543	513	112	603
Spoke-socket	G. W. Maloney	757,047	Apr. 12	1676	363	109	1715
Spoke-tenon-facing machine. Wagon	G. Hansen	765,313	July 19	2824	588	111	648
Spoke-tightener	G. F. Lindsay and W. P. Gunn	751,662	Feb. 9	1619	368	108	1421
Spoke vise. Wheel	T. D. Harris	762,712	June 14	2185	475	110	1980
Spokes. Device for forming shoulders on	E. Enfield	778,180	Dec. 20	3469	749	113	2192
Spokeshave	J. H. Spear	752,365	Feb. 16	2976	663	108	1740
Sponge-cup	T. L. Harding and H. E. Heal	771,546	Oct. 4	654	146	112	1098
Spool	G. H. Reynolds	764,206	July 5	617	123	111	137
Spool attachment	F. G. Hendryx	775,219	Nov. 15	3351	714	113	788
Spool, bobbin, or the like	W. E. Bennett	774,734	Nov. 15	2387	506	113	556
Spool-holder	F. E. Anderson	751,831	Feb. 9	2067	467	108	1518
Spool-holder	M. B. Kreeger	778,494	Dec. 27	4048	882	113	2348
Spool-holder and case	M. Maas and F. Ricaud	753,085	Feb. 23	4410	981	108	2075
Spool-machine	A. J. Thornley	765,908	July 26	4021	859	111	915
Spool. Needle-cushion	M. Duncombe	752,536	Feb. 16	3301	735	108	1811
Spool or reel	F. Mossberg	773,218	Oct. 25	4205	890	112	1934
Spool or the like	W. A. Smith	775,994	Nov. 29	4993	1054	113	1193
Spool-rack	A. S. Horlacher	756,790	Apr. 5	1146	354	109	1589
Spool rolling and finishing apparatus	R. Binns	775,514	Nov. 22	4384	844	113	959
Spooler	A. E. Rhoades	769,846	May 24	4094	870	110	972
Spooler-guide	M. E. Sullivan	761,018	May 24	4881	1032	110	1137
Spooler-guide	H. Lawrence	764,363	July 5	932	189	111	206

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Spooling-machine stop-motion	G. P. Bosworth	761,196	May 31	5321	1109	110	1230
Spooling-machine thread-guide	J. R. Mitchell	759,995	July 5	140	24	111	37
Spoon-forming mechanism	F. W. Otis	765,988	July 26	4174	891	111	948
Spoon-holding device	R. R. Pyle	760,925	Sept. 27	3429	723	112	822
Spoon. Mixing.	H. T. Sidway	769,412	Sept. 6	544	118	112	123
Spout	E. C. Staudinger	754,750	Mar. 1	1024	232	109	220
Spouted can	F. Westerbeck	761,342	May 31	5517	1176	110	1203
Spray-bath	F. Burger and H. M. Williams	775,736	Nov. 22	4582	971	113	1084
Sprayer	D. B. Smith	773,347	Oct. 25	4462	945	112	1989
Sprayer	L. Coster	773,714	Nov. 1	351	78	113	84
Sprayer. Dust.	S. V. Graves and A. F. Fry	772,508	Oct. 18	2632	579	112	1565
Spraying apparatus	F. A. Perkins	770,506	Sept. 20	2607	552	112	622
Spraying apparatus	W. H. Breard	774,175	Nov. 8	1257	267	113	301
Spraying apparatus. Plant.	L. Wittbold	762,014	June 7	732	160	110	1608
Spraying device	R. B. Williamson	755,823	Mar. 29	5090	1131	109	1176
Spraying device	E. B. Freeman	765,134	July 12	2490	521	111	557
Spraying-spar	W. H. Owen	753,730	Mar. 1	989	224	109	213
Spread-roller	T. Lee	763,006	June 21	2922	569	111	297
Spreading-machine	C. F. Buck	750,241	Jan. 19	3382	730	108	784
Spring.							
See Adjustable spring.	Elliptic spring.						
Automobile-spring.	Friction-spring.						
Automobile, & c.,	Knife-spring.						
spring.	Legging-spring.						
Bed-spring.	Loomotive-spring.						
Bow-spring.	Railway-rail spring.						
Buggy-boot spring.	Semielliptic spring.						
Coil-spring.	Spiral spring.						
Corset-spring.	Vehicle-spring.						
Couch-spring.	Vehicle seat-spring.						
Door-spring.	Wagon-spring.						
Dress or corset	Window-spring.						
spring.							
Spring.	O. D. White	755,729	Mar. 29	4904	1062	109	1137
Spring.	H. H. Arnold	763,977	June 21	2703	587	110	3064
Spring.	M. H. Naber	763,505	June 28	3732	810	110	2315
Spring.	F. P. D'Arcy.	773,312	Oct. 25	4379	926	112	1971
Spring-back chair.	J. Gilson	758,133	Apr. 26	3845	835	109	2220
Spring-back chair.	J. Gilson	764,286	July 5	754	154	111	166
Spring-bottom	I. Karpen	767,062	Aug. 9	1912	401	111	1486
Spring-brace	C. Smith	761,887	June 7	495	99	110	1530
Spring-clip	G. W. McGill	753,611	Mar. 1	749	167	109	163
Spring-clip	G. W. McGill	753,613	Mar. 1	752	168	109	163
Spring-clip	G. W. McGill	753,614	Mar. 1	755	168	109	164
Spring-clip	J. S. McKee	761,533	May 31	5854	1255	110	1370
Spring-clip	M. D. Kilmer	752,783	Feb. 23	3787	846	108	1934
Spring construction	T. A. Shea	757,751	Apr. 19	3159	686	109	2031
Spring controller. Coil.	E. Denegre	767,042	Aug. 9	1863	391	111	1476
Spring-cushion	E. Denegre	768,590	Aug. 20	5053	1060	111	2235
Spring-cushion	E. Denegre	774,630	Nov. 8	2124	464	113	487
Spring-cushioning device	C. P. Byrnes	752,515	Feb. 16	3261	727	108	1800
Spring-dampener. Frictional.	E. Denegre	766,102	July 26	4405	943	111	997
Spring-dowel-forming machine.	J. H. Ross	756,532	Apr. 5	666	143	109	1483
Spring end plate	J. Carroll	775,554	Nov. 22	4111	865	113	984
Spring-extension support	K. Tojetti	752,212	Feb. 16	2676	593	108	1673
Spring fastening device	K. Tojetti	775,468	Dec. 27	3909	870	113	2393
Spring-head-pinning machine.	C. F. Shoemaker	755,005	Mar. 22	3558	780	109	829
Spring-jack. Double-combination local	J. L. Kise	765,183	July 19	2582	540	111	594
Spring-knotting machine	J. H. Ross	756,531	Apr. 5	664	143	109	1482
Spring machine. Wire.	C. E. Booth	756,823	Apr. 12	1213	271	109	1619
Spring-making machine	R. S. Hill	771,549	Oct. 4	660	147	112	1099
Spring mechanism. Friction.	G. Westinghouse	749,708	Jan. 12	2356	498	108	546
Spring mechanism. Friction.	G. Westinghouse	769,160	Sept. 6	43	70	112	12
Spring-motor	W. Weiner	730,327	Jan. 26	3532	733	108	842
Spring-motor	J. E. Gibbs	753,873	Mar. 8	1316	296	109	304
Spring-motor	F. A. Richter	755,939	Mar. 29	5385	1177	109	1233
Spring-motor	C. Pfeiffer	767,235	Aug. 9	2263	471	111	1560
Spring retaining-clip.	E. E. and C. T. Wilt	755,266	Mar. 22	4021	472	109	927
Spring-roller	W. A. Hadden	778,609	Dec. 27	4357	952	113	2417
Spring-roller for screens, curtains, or awnings.	F. A. Mansell	762,330	June 14	1385	299	110	1760
Spring structure	J. J. Wisla	765,946	July 26	4088	873	111	930
Spring-support	G. O. Steinhilber	765,258	July 19	2709	564	111	632
Spring-switch	G. E. Bigelow	767,374	Aug. 16	2511	526	111	1631
Spring washer or plate	H. C. Stiff	756,729	Apr. 5	1032	228	109	1563
Spring-wheel.	S. C. Ball	772,079	Oct. 11	1748	389	112	1349
Spring-wheel.	G. M. de Saint Léger	759,638	May 10	2144	441	110	502
Spring-wheel.	E. N. Sheldon	771,672	Oct. 4	890	201	112	1150
Spring-wheel.	J. B. Keil	772,339	Oct. 11	2082	455	112	1422
Spring-wheel.	E. T. Robbins	772,874	Oct. 18	2358	517	112	1506
Spring-wheel.	E. Einfeldt	775,806	Nov. 22	4605	976	113	1090
Spring work. Wire clip for cushion.	W. R. Smith	757,420	Apr. 12	2416	526	109	1873
Springs. Bearing end for semielliptic	A. N. Lukens	772,284	Oct. 11	2166	473	112	1442
Springs. Device for adjusting the tension of	E. S. Bucknam	774,931	Nov. 15	2742	588	113	648
Springs. End seat for elliptical.	C. A. Miller	749,313	Jan. 12	1565	331	108	377
Springswork	J. A. Staples	773,041	Oct. 25	3688	794	112	1813
Sprinkler.							
See Automatic spring.	Clothes-sprinkler.						
See Automatic spring.	Lawn-sprinkler.						
Sprinkler.	W. H. Case	751,612	Feb. 9	1534	348	108	1403

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Sprinkler.	L. T. Jarrard	766,259	Aug. 2	249	48	111	1095
Sprinkler and support therefor	L. Secord	769,278	Sept. 6	379	65	112	51
Sprinkler-head. Automatic	C. B. Garrett	777,783	Dec. 20	2583	575	113	2024
Sprinkler or minimizer	R. B. Adams	759,843	May 17	3547	533	110	607
Sprinkling attachment. Wagon	F. E. Allen	758,731	May 3	299	59	110	76
Sprocket-wheel	C. P. Wilhelmsen	770,206	Sept. 13	2017	426	112	470
Spur	W. T. Hanaway	769,743	Sept. 13	1154	348	113	280
Square	G. A. Stephens	750,725	Jan. 26	4319	934	108	1004
Square	O. Rechenberg	771,392	Oct. 4	336	75	112	1031
Square. Adjustable	J. J. Peyman	761,707	June 7	174	32	110	1477
Square. Adjustable stair	H. H. Bellville	771,225	Oct. 4	11	2	112	962
Square and bevel-protractor. Combined	L. S. Starrett	778,808	Dec. 27	4626	1010	113	2476
Square and plumb-bob. Combined	A. K. Shoop	773,646	Nov. 1	990	193	113	312
Square, bevel, leveling, and plumbing instrument.	J. W. Fletcher	768,740	Aug. 30	5355	1128	111	2303
Square. Carpenter's folding	W. Steers, Sr	749,112	Jan. 5	1132	241	108	262
Square. Carpenter's folding	W. Steers, Sr	765,208	July 19	2627	548	111	606
Square. Combined center or other	G. M. Engel	769,992	Sept. 13	1641	347	113	358
Square. Folding	J. Offermann	763,419	June 28	3612	778	110	2285
Square. Folding	H. T. Buhmeier	776,996	Dec. 6	1070	231	113	1664
Square. Hip-roof-framing	W. J. Davis	756,594	Apr. 5	769	167	109	1505
Square. Miter	R. A. Breu	768,324	Aug. 23	4466	938	111	2084
Square. Sectional steel	J. W. Gibbs	765,474	July 19	3170	662	111	721
Square. T	F. E. Small	756,987	Apr. 12	1541	339	109	1685
Square. Try	C. E. Smith	760,031	May 17	2909	608	110	689
Square. Try	C. L. Weld	761,929	June 7	631	127	110	1579
Square. Try	A. W. Benskin	772,861	Oct. 18	3308	752	112	1712
Squares. Machine for rolling carpenters'	H. K. Jones	748,870	Jan. 5	600	136	108	134
Stable-beam suspension device.	J. Werner	755,200	Mar. 22	3903	861	109	902
Stack-climber	C. Stoolfire	755,809	Mar. 29	5067	1125	109	1172
Stack construction.	C. B. Parsons	775,497	Nov. 22	3961	836	113	951
Stack cover. Hay	N. B. Thummel	773,305	Nov. 22	3976	889	113	954
Stack-covering.	W. D. Carson	748,701	Jan. 5	286	65	108	63
Stacks. Wire harness for hay or other	S. J. McDonald	761,318	May 31	5477	1164	110	1284
Stacker	L. A. Lamborn	771,648	Oct. 4	844	189	113	1139
Stacker and loader. Hay	T. A. Williams	769,673	Sept. 6	1016	221	112	231
Stacker attachment. Pneumatic	G. T. Nicoson	772,817	Oct. 18	3219	701	112	1691
Stacker chute. Pneumatic	W. E. Jones	763,101	June 21	2944	635	110	2117
Stacker for threshing-machines. Pneumatic straw.	R. and T. B. Christie	776,436	Nov. 29	5874	1241	113	1325
Stacker. Hay	R. S. Morse	750,882	Feb. 2	198	45	108	1101
Stacker. Hay	J. C. Shafer	755,057	Mar. 22	3642	799	109	848
Stacker. Hay	J. W. Kenworthy	757,624	Apr. 19	2853	621	109	1984
Stacker. Hay	W. A. and S. S. Cavett	750,345	May 10	1566	316	110	376
Stacker. Hay	W. Fagan	760,064	May 17	2968	650	110	704
Stacker. Hay	O. D. Stalcup	760,268	May 17	3360	707	110	790
Stacker. Hay	F. L. Doty	767,551	Aug. 16	2883	602	111	1717
Stacker. Hay	M. Addy	760,288	Sept. 6	303	70	112	65
Stacker. Hay	J. H. Cope	769,590	Sept. 6	869	186	112	196
Stacker. Hay	E. and H. Turnell	770,339	Sept. 20	2907	485	112	556
Stacker. Hay	F. J. Pavlik	770,980	Sept. 27	3532	744	112	848
Stacker. Hay	O. and L. Nelson	771,658	Oct. 4	864	193	112	1144
Stacker. Hay	H. W. Swadley	778,431	Dec. 27	3914	833	113	2320
Stacker hoisting mechanism	J. H. Kindsvater	754,781	Mar. 15	3138	684	109	720
Stacker hood. Pneumatic	I. A. Weaver	750,738	Jan. 26	4347	939	108	1012
Stacker hood. Pneumatic	F. Bechtel and E. M. Hagar	771,118	Sept. 27	3814	805	112	908
Stacker. Pneumatic	E. O. Berg	748,575	Jan. 5	17	4	108	7
Stacker. Pneumatic	J. H. Ley	749,737	Jan. 19	2435	518	108	579
Stacker. Pneumatic	J. Henry	754,448	Mar. 15	2480	542	109	579
Stacker. Pneumatic	A. P. and W. M. Roberts	755,940	Mar. 29	3338	1178	109	1234
Stacker. Pneumatic	O. L. Larson	762,917	June 21	2604	564	110	2042
Stacker. Pneumatic	E. L. Griffin	766,243	Aug. 2	408	86	111	1130
Stacker. Pneumatic straw	N. L. Nelson	748,640	Jan. 5	168	40	108	37
Stacker. Pneumatic straw	J. F. Templeton	751,573	Feb. 9	1461	332	108	1390
Stacker. Pneumatic straw	T. Goodale	757,188	Apr. 12	1953	436	109	1777
Stacker. Pneumatic straw	J. A. Walsh and E. Bretney	758,606	Apr. 26	4784	1029	109	2428
Stacker. Straw	J. C. Hendricks	758,136	Apr. 26	3849	885	109	2321
Stacker. Straw	G. W. Culp	758,739	May 3	328	64	110	81
Stacker. Straw	J. B. Bartholomew	762,463	June 14	1661	359	110	1819
Stacker. Straw	J. G. Rundall	770,390	Sept. 20	2990	505	112	575
Stacker. Straw	E. Huber and T. D. Ulrich	771,641	Oct. 4	831	187	112	1137
Stacker. Straw	J. O. Bashore	773,184	Oct. 25	4131	873	112	1919
Stacker tubes or other purposes. Means for shifting pneumatic	F. C. Stuckel	765,403	July 19	3004	628	111	686
Stacker. Wind	H. E. Bradley	766,163	Aug. 2	14	3	111	1045
Stackers. Grain-saving device for pneumatic	E. Theis	768,781	Feb. 30	5425	1143	111	2319
Stackers. Operating device for folding straw	E. Huber	762,532	June 14	1813	390	110	1852
Stage and circus-ring. Combined	J. J. Jacobs	755,879	Mar. 29	5211	1152	109	1206
Stage-flooding system	G. J. Gibney	762,702	June 14	2161	470	110	1926
Stage-pocket	B. Beerwald	771,410	Oct. 4	391	86	112	1040
Stair-mat	C. Knopf	756,507	Apr. 5	620	135	109	1473

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Stair-pad-making machine.....	H. T. Baker.....	770,346	Sept. 20	2318	488	112	559
Stair, Plastic.....	F. R. Peterson.....	760,752	May 24	4333	489	110	1021
Stair structure.....	N. Bois.....	750,156	Jan. 19	3223	694	108	749
Stair-tread.....	A. A. Spadone.....	777,556	Dec. 13	2144	469	113	1916
Stairway.....	E. Ohnstrand.....	750,998	Feb. 2	404	95	108	1147
Stairway.....	E. Ohnstrand.....	751,098	Feb. 2	581	134	108	1185
Stairway.....	J. Kuhnánek.....	768,759	Aug. 30	5388	1135	111	2810
Stairway, Moving.....	C. E. Pratt.....	763,204	June 21	3152	678	110	2165
Stairway or ladder, Counterbalanced.....	O. C. Fosselman.....	772,094	Oct. 11	1777	395	112	1355
Stairway, Traveling.....	I. H. Venn.....	751,702	Feb. 9	1692	385	108	1436
Stairway, Traveling.....	I. H. Venn.....	764,906	July 12	2079	430	111	471
Stairway, Traveling.....	E. Baltzley, D. M. and T. R. Quay.....	765,648	July 19	3489	735	111	789
Stake-pocket.....	M. S. Curley.....	766,673	Aug. 2	1103	229	111	1287
Staking-machine.....	F. J. Perkins.....	749,398	Jan. 12	1736	368	108	413
Stalk-cutter.....	A. J. Rush.....	760,923	May 24	4667	993	110	1002
Stalk-cutter.....	R. C. Tally.....	766,401	Aug. 2	518	110	111	1154
Stalk-cutter.....	J. J. Mize.....	773,088	Oct. 25	3845	821	112	1850
Stalk-cutter.....	H. F. Hinton.....	774,249	Nov. 8	1383	297	113	330
Stalk-cutter, root-extractor, and fertilizer-distrib- uter. Combined.....	E. P. Hollis.....	774,666	Nov. 8	2153	471	113	493
Stalk-pulling machine.....	G. M. Kirkpatrick.....	760,877	May 24	4569	974	110	1072
Stalk-rake.....	N. B. Gamble.....	777,339	Dec. 13	1716	320	113	1823
Stall, Animal.....	W. M. Underhill.....	777,051	Dec. 6	1184	258	113	1690
Stall, Horse.....	J. F. Schmidt.....	756,716	Apr. 5	1006	223	109	1557
Stamp.....	E. Ocumpaugh.....	749,577	Jan. 12	2103	438	108	493
Stamp, Adjustable printing.....	A. J. Bradley.....	770,856	Sept. 27	3489	736	112	837
Stamp-affixer and envelop-sealer.....	E. A. Emmerling.....	773,965	Mar. 8	1566	336	109	348
Stamp-affixing machine.....	J. Atkinson.....	769,291	Sept. 6	312	71, 72	112	36
Stamp-affixing machine.....	J. P. and S. Farmer.....	778,744	Dec. 27	4492	984	113	2446
Stamp and punch, Combined ticket.....	A. S. Martin.....	756,287	Apr. 5	398	81	109	1428
Stamp-battery guide.....	W. S. McDonough.....	755,325	Mar. 23	4488	997	109	1027
Stamp, Cancellation.....	G. E. McVey.....	759,906	May 17	2655	556	110	631
Stamp-dispensing machine, Coin-controlled.....	H. Hill.....	761,487	May 31	5774	1233	110	1354
Stamp, Hand.....	F. Hardy.....	758,771	Feb. 23	3766	840	108	1930
Stamp, Hand.....	M. R. Flynn.....	759,430	May 10	1741	352	110	414
Stamp, Hand.....	W. A. Force.....	763,551	June 28	3837	831	110	2333
Stamp, Hand.....	C. A. Fox.....	763,873	June 28	4459	970	110	2466
Stamp, Hand.....	H. M. Kendrick.....	774,675	Nov. 8	2174	476	113	498
Stamp, Hand.....	E. Ocumpaugh.....	773,190	Nov. 15	3276	799	113	772
Stamp, Hand.....	T. S. Buck.....	777,836	Dec. 20	2712	597	113	2051
Stamp handle, Hand.....	S. W. Metcalf.....	771,435	Oct. 4	487	99	112	1050
Stamp, Marking.....	F. Test.....	765,110	July 12	2450	511	111	549
Stamp-mill.....	G. C. Richards.....	750,006	Jan. 19	2947	620	108	691
Stamp-mill.....	W. A. Merralls.....	753,602	Mar. 1	738	165	109	160
Stamp-mill.....	M. P. Boss.....	756,774	Apr. 5	1107	245	109	1579
Stamp-mill.....	W. A. Merralls.....	756,873	Apr. 12	1312	203	109	1639
Stamp-mill.....	J. Cable.....	768,844	Aug. 30	5571	1170	111	2351
Stamp-mill.....	773,732	Nov. 1	378	84	113	89	
Stamp-mill.....	B. T. Scott.....	773,151	Nov. 15	3193	681	113	732
Stamp-mill.....	D. I. Whiteside.....	776,159	Nov. 29	5304	1122	113	1264
Stamp-mill attachment.....	L. R. Tulloch.....	748,820	Jan. 5	498	113	108	113
Stamp-mill launders, Separating-hopper for.....	F. W. O'Neil.....	752,702	Feb. 23	3645	812	108	1903
Stamp-mill, Ore.....	D. B. Morison.....	755,913	Mar. 29	5284	1166	109	1222
Stamp-mill tappet.....	P. N. Nissen.....	770,414	Nov. 29	5784	1224	113	1373
Stamp-mill tappet.....	E. I. Morey.....	752,462	Feb. 16	3163	705	108	1779
Stamp-mill tappet.....	W. E. Ingram.....	775,625	Nov. 22	4259	899	113	1016
Stamp-mills, &c. Tappet for the shafts of ore.....	P. C. Kelly.....	762,907	Feb. 23	4037	904	108	1990
Stamp mortar, Multiple.....	W. A. Merralls.....	753,089	Feb. 23	4416	982	108	2076
Stamp or label affixing device.....	G. L. Kemper.....	772,660	Oct. 18	2908	639	112	1024
Stamp, Printing.....	J. Miller.....	759,218	May 3	1285	259	110	293
Stamp shoe or die.....	W. Brinton.....	765,876	July 26	3962	845	111	903
Stamp-stem and tappet attachment.....	W. Reine.....	774,398	Nov. 8	1653	355	113	388
Stamp-tappet and securing means therefor.....	C. B. and F. Hayes.....	763,146	June 21	3036	633	110	2138
Stamp, Time.....	W. I. Pollett.....	770,414	Dec. 30	2892	628	113	2076
Stamp, Time.....	W. I. Pollett.....	777,891	Dec. 20	2883	624	113	2076
Stamp, Time.....	J. F. Tenney.....	778,386	Dec. 27	3321	835	113	2300
Stamp, Time hand.....	W. F. Bartholomew.....	749,655	Jan. 12	2250	474	108	523
Stamp, Time hand.....	W. F. Bartholomew.....	773,455	Oct. 25	4683	990	112	2037
Stamps, &c. Attacher for.....	771,516	Feb. 9	1947	307	108	1364	
Stamps, tickets, &c. Mechanism for dispensing.....	M. Sielaff.....	773,816	Nov. 1	528	115	113	122
Stamps, tickets, or the like. Mechanism for dispensing.....	M. Sielaff.....	751,568	Feb. 9	1453	330	108	1387
Stamping and labeling machine.....	R. L. Patterson.....	765,147	July 12	2514	525	111	562
Stamping apparatus for crushing ores, &c.....	D. B. Morison.....	755,686	Mar. 29	4798	1068	109	1111
Stamping machine, Envelop.....	E. E. Fleming.....	767,269	Aug. 9	2316	485	111	1572
Stamping-mill.....	J. H. Montgomery.....	760,010	May 17	2862	599	110	679
Stamping-press.....	H. C. Lavery.....	760,694	May 24	4198	802	110	993
Stanchion.....	T. J. Wallace.....	770,203	Sept. 13	2014	425	112	469
Stanchion.....	E. J. Kirk.....	772,520	Oct. 18	2652	583	112	1569

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Stand:							
See Blacking-stand.	Horseshoeing-stand.						
Boiler-stand.	Lace-making stand.						
Book-stand.	Music-stand.						
Book-finisher's stand.	News-stand.						
Cycle-stand.	Night-stand.						
Display-stand.	Ornamental stand.						
Flower-stand.	Packing-stand.						
Folding stand.	Reading-stand.						
Galley-stand.	Revolving stand.						
Game-board stand.	Thread and tape stand.						
Garment-fitting stand.	Toilet-stand.						
Hammock-stand.	Umbrella-stand.						
Hat-stand.	Washstand.						
	X-ray-tube stand.						
Stand-boiler	J. M. House	764,725	July 12	1706	349	111	389
Stand-boiler	L. F. Knoderer	768,859	Aug. 30	5598	1176	111	2357
Stand, carriage, and stool.	T. D. Leland	739,289	May 10	1462	292	110	354
Stand or support	T. E. Barrow	763,838	June 28	4308	956	110	2453
Standard	A. M. Moylan	758,089	Apr. 26	3754	816	109	2198
Standard. Adjustable.	E. S. Bryant and W. C. Murdock	763,344	June 21	3400	740	110	2218
Staple-extractor	O. C. Healy	751,792	Feb. 9	1864	425	108	1472
Staple-feeding device	W. McMurray	777,218	Dec. 13	1486	328	113	1771
Staple-making machine	H. L. and W. Edge	755,755	Mar. 29	4963	1105	109	1148
Staple-puller	G. W. Angus, 2d.	762,672	June 14	2084	452	110	1910
Staple-setting device	P. P. Nourse	770,693	Sept. 20	2964	630	112	703
Staple-setting machine	A. D. Thomas	751,700	Feb. 9	1688	384	108	1435
Staples, nails, &c. Machine for setting.	C. H. Wilkinson	749,956	Jan. 19	2849	609	108	670
Stapling-machine	G. A. Ede	751,152	Feb. 2	675	155	108	1204
Stapling-machine	G. A. Ede	761,365	May 31	5575	1187	110	1308
Stapling-machine feeding mechanism.	F. Balze	765,911	July 26	4026	860	111	917
Starch and making same. Soluble product from	C. F. Cross and J. Traquair	778,173	Dec. 20	3382	113	2188	
Starch. Apparatus for making soluble.	W. Browning and J. J. Barlow	773,783	Nov. 1	471	103	111	2448
Starch by centrifugal action. Separating	R. Schrader	757,778	Apr. 19	3154	685	109	2050
Starch. Making soluble	J. David	769,061	Aug. 30	6004	111	2448	
Starch. Making soluble	W. Browning and J. J. Barlow	773,469	Oct. 25	4712	995	112	3049
Starch. Manufacture of	R. Goldschmidt and J. Hasek	755,479	Mar. 22	4410	109	1010	
Static-machine plate.	H. E. and H. F. Waite	770,133	Sept. 13	1870	308	112	438
Station-indicator	O. H. Bissell	755,735	Mar. 29	4915	1005	109	1139
Station-indicator	H. G. Miller	756,680	Apr. 5	929	1308	109	1541
Station-indicator	E. K. Adams	761,124	May 31	5091	1081	110	1201
Station-indicator	H. G. Canfield	773,922	Nov. 1	786	164	113	181
Station-indicator and advertising device.	L. Casper	751,458	Feb. 9	1247	285	108	1341
Station. Portable waiting	C. U. Krieg, Sr	765,017	July 12	2273	472	111	513
Stationery-cabinet	T. A. Matthews	748,967	Jan. 5	797	172	108	161
Stave-column	J. S. Miller	756,261	Apr. 5	138	27	109	1372
Stave. Composite barrel.	F. Brenner	750,019	Jan. 19	2977	637	108	697
Stave jointing and shaping machine	B. G. Jayne	762,312	June 14	1349	290	110	1753
Stave-jointing machine	J. A. Moore	764,612	July 12	1467	299	111	337
Stave-sawing machine	T. H. Webster	767,784	Aug. 16	3298	697	111	1809
Stave-shaping machine	A. L. Shaw	753,522	Mar. 1	580	132	109	126
Stay-bolt	D. L. Shaffer	757,973	Apr. 19	3509	761	109	2129
Stay-bolt. Flexible	J. B. Tate	753,329	Mar. 1	208	47	109	48
Stay-bolts. Removable closure for hollow	H. G. Tidemann	773,301	Oct. 25	4359	920	112	1968
Stay. Coat	F. C. Klipstein	773,698	Nov. 22	4904	900	113	1017
Stay-covering machine. Dress	W. F. Osborne and C. A. Kelly	767,708	Aug. 16	3169	663	111	1780
Stay-strips. Forming	M. D. Knowlton and F. H. Beach	758,923	May 3	691	138	110	161
Stay-tipping machine	O. Kraus	766,149	July 26	4505	963	111	1019
Stays. Machine for forming wire garment	G. G. Annable	761,640	June 7	8	2	110	1437
Steam and explosion engine. Combined.	W. D. Gardner	752,619	Feb. 16	3483	776	108	1850
Steam and vapor generator. Electric	T. W. Neely	758,094	Apr. 26	3769	817	109	3203
Steam. Apparatus for separating grease or water from	W. J. Baker	752,194	Feb. 16	2634	584	108	1663
Steam. Apparatus for supplying cities with	W. C. Andrews	753,817	Mar. 1	1205	271	109	259
Steam-boiler	S. L. Marple	748,765	Jan. 5	393	89	108	87
Steam-boiler	F. J. Doyle	749,850	Jan. 19	2644	565	108	625
Steam-boiler	F. T. Chase	750,087	Jan. 19	3106	668	108	723
Steam-boiler	E. U. Gibbs	750,275	Jan. 26	3448	744	108	817
Steam-boiler	J. C. Stead	750,721	Jan. 26	4312	932	108	1002
Steam-boiler	J. A. Mumford	752,351	Feb. 16	2953	657	108	1735
Steam-boiler	N. L. Warren	752,492	Feb. 16	3217	718	108	1790
Steam-boiler	C. E. Chapman	753,041	Feb. 23	4334	964	108	2057
Steam-boiler	J. A. Mumford	753,962	Mar. 8	1973	310	109	317
Steam-boiler	C. G. Curtis	754,128	Mar. 8	1806	402	109	415
Steam-boiler	F. J. Rowan	754,348	Mar. 8	2303	490	109	498
Steam-boiler	J. Wehrle	754,360	Mar. 8	2320	496	109	501

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Steam-boiler	C. B. Rearick	754,697	Mar. 15	2982	649	109	684
Steam-boiler	R. W. Barton	754,837	Mar. 15	3237	708	109	746
Steam-boiler	D. W. Robb	755,046	Mar. 22	3624	709	109	841
Steam-boiler	A. Paritt	755,530	Mar. 22	4495	999	109	1029
Steam-boiler	A. G. Hohenstein	759,517	May 10	1908	384 385	110	452
Steam-boiler	A. G. Hohenstein	759,518	May 10	1911	385 386	110	452
Steam-boiler	A. G. Hohenstein	759,519	May 10	1913	386 387	110	453
Steam-boiler	A. G. Hohenstein	759,520	May 10	1914	387 388	110	453
Steam-boiler	A. G. Hohenstein	759,521	May 10	1916	389 390	110	454
Steam-boiler	A. G. Hohenstein	759,522	May 10	1918	390	110	454
Steam-boiler	A. G. Hohenstein	759,523	May 10	1919	391	110	455
Steam-boiler	A. G. Hohenstein	759,524	May 10	1920	391 392	110	455
Steam-boiler	A. G. Hohenstein	759,525	May 10	1922	393	110	455
Steam-boiler	G. W. Ingham	760,126	May 17	3097	647 648	110	732
Steam-boiler	A. Campbell	760,520	May 24	3841	815	110	917
Steam-boiler	A. C. Evans	761,462	May 31	5737	1222 1223	110	1345
Steam-boiler	H. Carmont	762,137	June 7	1001	207	110	1655
Steam-boiler	S. T. J. Bray	763,359	June 23	3472	749 750	110	2256
Steam-boiler	A. B. Duff	764,438	July 5	1079	290	111	240
Steam-boiler	G. H. Barrus	765,062	July 12	2373	492 493	111	531
Steam-boiler	J. F. Casey	766,873	Aug. 9	1540	322 323	111	1401
Steam-boiler	F. Burger and H. M. Williams	767,923	Aug. 16	3585	753	111	1869
Steam-boiler	F. Burger and H. M. Williams	767,924	Aug. 16	3586	759	111	1870
Steam-boiler	G. Hor	768,178	Aug. 23	4185	880	111	2023
Steam-boiler	J. R. Lowrey	769,754	Sept. 13	1176	254	112	283
Steam-boiler	H. Schofield and S. J. Ross	770,347	Sept. 13	2093	440	112	487
Steam-boiler	J. J. Tonkin	772,071	Oct. 11	1731	385 386	112	1345
Steam-boiler	H. E. Moffat	772,729	Oct. 18	3057	669	112	1656
Steam-boiler	A. B. C. and J. A. Danks	772,789	Oct. 18	3178	691 692	112	1682
Steam-boiler	C. M. Bronson	773,049	Oct. 25	3706	797	112	1816
Steam-boiler	J. F. Heckman	773,389	Oct. 25	4548	961	112	2010
Steam-boiler	D. Best	773,914	Nov. 1	771	161 162	113	177
Steam-boiler	D. Best	773,916	Nov. 1	773	162	113	178
Steam-boiler	M. Sherman	774,400	Nov. 8	1656	356 357	113	889
Steam-boiler	E. H. Taylor	775,096	Nov. 15	3072	652 653	113	725
Steam-boiler	E. Lane	776,664	Dec. 6	395	85	113	1516
Steam-boiler	A. C. Stucky	776,701	Dec. 6	468	104	113	1530
Steam-boiler	H. J. Marks and C. F. Davenport	778,498	Dec. 27	4052	883 1021	113	2349
Steam-boiler	G. Linder and J. Reich	778,828	Dec. 27	4670	1022 1023	113	2486
Steam-boiler, Fire-tube.	G. Inglis	767,816	Aug. 16	3375	714	111	1215
Steam-boiler, Tubular	A. Heberer and H. A. Hyne	771,797	Oct. 4	1185	253 254	112	1201
Steam-cleaner	M. S. Ellis	763,269	June 21	3269	704	110	2189
Steam collecting and removing device	S. M. Cockburn	751,717	Feb. 9	1719	391	108	1441
Steam-controlling device	A. E. Burrows	771,417	Oct. 4	409	91	112	1044
Steam-cylinder	J. P. Finley	776,310	Nov. 29	5581	1183	113	1327
Steam-dome and breeching	C. A. Huffmaster	770,465	Sept. 20	2515	534 535	112	601
Steam-drier, Rotary	J. W. Biles	768,868	Aug. 9	1527	319 320	111	1399
Steam-engine	C. Crompton	749,958	Jan. 19	2852	609 610	108	671
Steam-engine	A. S. Lineback	752,237	Feb. 16	2737	604	108	1685
Steam-engine	C. Polts and J. Modlinger	752,350	Feb. 23	3044	605	108	1968
Steam-engine	W. H. Stohmann	755,410	Mar. 22	4289	948	109	986
Steam-engine	J. M. Clark	755,453	Mar. 22	4370	968	109	1002
Steam-engine	F. Lane and O. E. Oakes	756,657	Apr. 5	878	192	109	1529
Steam-engine	C. C. Worthington	757,009	Apr. 12	1586	347	109	1635
Steam-engine	L. Goos, Jr.	757,459	Apr. 19	2477	542	109	1902
Steam-engine	F. P. Hummel	757,750	Apr. 19	3050	673	109	2035
Steam-engine	H. J. Hays	759,102	May 3	1013	206 207	110	230
Steam-engine	G. S. Morison	762,646	June 14	2039	441	110	1899
Steam-engine	P. Thorniey	765,689	July 26	3587	762 1033	111	825
Steam-engine	H. J. Staab	768,548	Aug. 23	4936	1034 1035	111	2193
Steam-engine	B. M. Schauman	770,985	Sept. 27	3542	745	112	849
Steam-engine	O. F. Rodheaver	771,176	Sept. 27	3923	829	112	932
Steam-engine	F. W. Gaskin	774,062	Nov. 1	1051	223 224	113	237
Steam-engine	D. E. Johnson	774,433	Nov. 8	1713	366 367	113	401
Steam-engine	D. E. Johnson	774,434	Nov. 8	1718	368 369	113	401
Steam-engine	T. W. Mitchell	774,688	Nov. 8	2194	479 480	113	503
Steam-engine	M. R. Conway	774,868	Nov. 15	2680	562 563	113	619
Steam-engine	F. Egge	775,527	Nov. 22	4021	848	113	964
Steam-engine	A. Langlais	775,905	Nov. 22	4213	887	113	1007

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Steam-engine. Compound	J. B. Allfree	761,125	May 31	5094	1082	110	1202
Steam-engine for cutting machines	W. L. McLean	749,742	Jan. 19	2442	520	108	581
Steam-engine. Impulsive	G. A. Aldrich	775,687	Dec. 6	342	73	113	1563
Steam-engine. Reciprocating	S. H. Schmidt	760,809	May 21	4447	947	110	1045
Steam-exhaust-head or muffler	J. Bonar	759,964	May 17	2769	580	110	658
Steam-expansion engine	W. H. Hughes	771,551	Oct. 4	667	149	112	1100
Steam-feed cylinder	E. E. Thomas	761,399	May 31	5512	1775	110	1292
Steam-generating	T. W. Neely	758,065	Apr. 26	3772	519	109	2203
Steam-generating systems. Means for regulating	H. Lemp	772,420	Oct. 15	2449	537	112	1526
Steam-generator	F. Saffell	749,451	Jan. 12	1861	387	108	438
Steam-generator	E. C. Villiers	750,916	Feb. 2	256	59, 60	108	1114
Steam-generator	H. E. Penney	751,002	Feb. 2	408	96, 97	108	1148
Steam-generator	S. M. Cockburn	751,718	Feb. 9	1721	391	108	1442
Steam-generator	E. G. Roberts	752,301	Feb. 16	2857	635	108	1713
Steam-generator	H. E. Penney	752,859	Feb. 23	3942	884	108	1068
Steam-generator	M. H. Plunkett	756,051	Mar. 29	5533	1220	109	1277
Steam-generator	M. H. Plunkett	756,052	Mar. 29	5536	1221	109	1277
Steam-generator	S. Straker	756,073	Mar. 29	5571	1230	109	1285
Steam-generator	H. E. Penney	756,694	Apr. 5	955	210	109	1547
Steam-generator	R. A. Mitchell and L. L. Lewis	757,050	Apr. 12	1670	364	109	1716
Steam-generator	E. E. Rider	757,413	Apr. 12	2403	523	110	1202
Steam-generator	J. G. A. Kitchen and L. P. Perkins	757,623	Apr. 19	2853	622	109	1984
Steam-generator	G. L. Rose	757,639	Apr. 19	2877	627	109	1990
Steam-generator	E. A. Briner	758,505	Apr. 26	4585	985	109	2385
Steam-generator	P. G. A. Peugeot	759,744	May 10	2336	480	110	544
Steam-generator	J. B. Beam	760,373	May 17	3542	746	110	830
Steam-generator	O. Brünler	760,519	May 24	3840	814	110	916
Steam-generator	E. Side	761,719	June 7	196	87	110	1482
Steam-generator	G. Farrel and B. Etchegaray	762,893	June 21	2549	554	110	2030
Steam-generator	C. Sykora	763,079	June 21	2906	626	110	2109
Steam-generator	T. W. Barber	763,655	June 28	4026	876	110	2373
Steam-generator	M. E. P. Chaboche	764,424	July 5	1053	214	111	234
Steam-generator	B. S. Peard	764,761	July 12	1776	363	111	405
Steam-generator	P. Kastner	765,012	July 12	2363	468	111	510
Steam-generator	C. Doyere	765,070	July 12	2388	497	111	535
Steam-generator	C. F. Ruby	766,904	Aug. 9	1603	337	111	1416
Steam-generator	W. Mitchell	767,950	Aug. 16	3641	770	111	1881
Steam-generator	W. D. Hoxie	769,162	Sept. 6	46	11	112	13
Steam-generator	A. N. Rice	772,059	Oct. 11	1706	380	112	1339
Steam-generator	W. W. Sewall	772,435	Oct. 18	2479	543	112	1353
Steam-generator	A. P. Dodge	774,312	Nov. 8	1500	322	113	355
Steam-generator	A. Montupet	776,530	Dec. 6	127	29	113	1454
Steam-generator	P. E. Leroux	778,923	Dec. 6	918	197	113	1628
Steam-generator	T. Langer	777,736	Dec. 20	2493	531	113	2006
Steam-generator	J. C. Wood	778,767	Dec. 27	4543	995	113	2458
Steam-generator and grate. Combined	J. C. Raymond	773,420	Oct. 25	4623	976	112	2024
Steam-generator and steam-superheater. Combined	J. Milne	772,315	Oct. 11	2228	488	112	1456
Steam-generator. Combined flue and water tube	T. Nielsen and G. C. H. Præst	761,700	June 7	157	30	110	1473
Steam-generator for hydrocarbon-burners	G. W. Arper	758,807	May 3	452	90	110	111
Steam-generator furnace	F. May	749,938	Jan. 19	2821	602	108	664
Steam-generator. Hydrocarbon	B. Hall	769,901	Sept. 13	1449	310	112	344
Steam-generator. Multitubular	E. Duchesne	776,732	Dec. 6	543	119	113	1456
Steam-generator regulator. Automatic	I. T. Danks	770,893	Sept. 27	3361	709	112	807
Steam-generator. Water-tube	G. Restucci	761,713	June 7	186	35	110	1479
Steam-generator. Water-tube	J. Köster	769,547	Sept. 6	798	172	112	180
Steam-generators. Device for removing steam from the heating-surfaces of	S. M. Cockburn	755,217	Mar. 32	3927	869	109	908
Steam-generators or the like. Heating-burner for	R. H. White	753,023	Feb. 23	4801	955	108	2051
Steam-generators. Prevention and removal of incrustation in	W. Gawlikowski	762,897	June 21	2558	-----	110	2032
Steam. Means for regulating the production of	H. S. Baldwin	777,392	Oct. 18	2390	525	112	1513
Steam-motor	S. L. McAdams	751,326	Feb. 2	1035	235	108	1278
Steam or gas engine	O. B. Thorson	753,647	Mar. 1	818	183	109	178
Steam or internal-combustion engine or motor	T. S. James	749,864	Jan. 19	2666	570	108	630
Steam-regenerative accumulator	A. C. E. Rateau	761,606	May 31	5986	1286	110	1400
Steam-regenerative accumulator	A. C. E. Rateau (Reissue)	12,295	Feb. 9	4681	1024	113	2480
Steam-separator	F. A. Simonds	756,537	Apr. 5	678	146	109	1488
Steam-separator	J. G. Duck	756,942	Apr. 12	1446	321	109	1667
Steam-separator	J. G. Duck	756,943	Apr. 12	1449	321	109	1667
Steam-separator	J. Naylor, Jr.	768,190	Aug. 23	4206	884	111	3227
Steam-separator	C. E. Huxley	769,440	Sept. 6	590	130	112	134
Steam-shovel	G. W. King, H. J. Barnhart, and C. B. King	760,456	May 24	3713	787	110	887
Steam-shovel	G. W. King, H. J. Barnhart, and C. B. King	761,079	May 31	5005	1062	110	1184
Steam-shovel	G. H. Turner	762,961	June 21	2684	581	110	2060
Steam-shovel	G. W. King	764,600	July 12	1445	295	111	332
Steam-shovel or the like	G. W. King, H. J. Barnhart, and C. B. King	778,677	Dec. 27	4380	957	113	2421
Steam-superheater	E. Pielsack	764,625	July 12	1500	307	111	344
Steam-superheater	P. Bjørnstad	769,297	Sept. 6	328	75	112	69
Steam-superheater	C. R. Ingham	773,258	Oct. 25	4276	904	112	1950

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Steam-superheater.....	N. Notkin.....	774,335	Nov. 8	1549	332	113	365
Steam-superheater.....	F. Burger and H. M. Williams.....	777,594	Dec. 13	2231	489	113	1934
Steam. Superheating.....	S. A. Reeve.....	753,738	Mar. 1	1001	228	109	216
Steam. Superheating.....	E. F. Osborne.....	762,245	June 7	1200	355	110	1700
Steam superheating apparatus.....	C. L. Simpson.....	759,832	May 10	2524	527	110	585
Steam-superheating means.....	H. F. Wallmann.....	748,892	Jan. 5	508	538	108	114
Steam. System of economical production of superheated.....	A. Leclere.....	755,893	Mar. 29	5237	1158	109	1212
Steam-trap.....	W. M. Still.....	748,888	Jan. 5	634	142	108	142
Steam-trap.....	F. F. Brush.....	751,144	Feb. 2	663	152	108	1201
Steam-trap.....	J. H. Blessing.....	751,250	Feb. 2	898	205	108	1248
Steam-trap.....	R. Warriner.....	751,703	Feb. 9	1694	385	108	1437
Steam-trap.....	J. F. Hale.....	752,067	Feb. 16	2410	538	108	1611
Steam-trap.....	C. A. Dunham.....	753,557	Mar. 1	656	148	109	145
Steam-trap.....	J. G. Duck.....	753,861	Mar. 8	1296	292	109	299
Steam-trap.....	S. Steinmitz.....	755,251	Mar. 22	3988	885	109	920
Steam-trap.....	H. J. Wessinger.....	758,735	May 3	827	37	110	74
Steam-trap.....	C. Gulland.....	758,965	May 3	767	153	110	178
Steam-trap.....	J. D. Walsh.....	759,144	May 3	1092	222	110	248
Steam-trap.....	A. K. Montgomery.....	759,461	May 10	1790	362	110	425
Steam-trap.....	G. L. Belding.....	761,937	June 7	646	190	110	1582
Steam-trap.....	S. Belt.....	763,843	June 28	4407	958	110	2455
Steam-trap.....	J. Morehead.....	764,816	July 12	1889	387	111	429
Steam-trap.....	W. R. Sharp.....	765,325	July 19	2848	596	111	653
Steam-trap.....	P. Fraser.....	768,595	Aug. 30	5063	1063	111	2239
Steam-trap.....	L. F. Zilles.....	770,210	Sept. 13	2024	411	112	472
Steam-trap.....	V. Schwaneiger.....	771,388	Oct. 4	372	82	112	1036
Steam-trap.....	R. D. Tackaberry.....	771,686	Oct. 4	915	207	112	1154
Steam-trap.....	R. Tonge and J. Butterworth.....	772,589	Oct. 18	2785	613	112	1598
Steam-trap.....	W. M. Still.....	773,688	Nov. 1	299	66	113	71
Steam-trap.....	C. E. Huxley.....	773,794	Nov. 1	489	107	113	114
Steam-trap.....	F. Knackstedt.....	773,872	Nov. 1	682	143	113	137
Steam-trap.....	J. Campbell.....	774,465	Nov. 8	1778	384	113	413
Steam-trap.....	C. E. Squires.....	775,943	Nov. 29	4880	1033	113	1167
Steam-trap.....	J. W. Lytton.....	778,754	Dec. 27	4514	989	113	2450
Steam-trap.....	W. M. Towne.....	787,694	Jan. 19	2981	648	109	2012
Steam without the production of high pressure. Producing high temperature by the use of.....	E. B. D. Penniman.....	796,841	Aug. 9	1486	311	111	1391
Steamer. Clothes.....	J. A. Owens.....	750,483	Jan. 26	3830	832	108	902
Steamer. Domestic.....	W. Ashert.....	777,470	Dec. 13	1965	435	113	1878
Steamer. Kettle.....	A. M. Baldwin.....	773,272	Oct. 25	4307	910	112	1957
Steamer. Tank.....	S. Holmes.....	738,074	Apr. 26	3734	811	109	2194
Steel and ingot-iron. Manufacture of.....	B. Talbot and P. Gredit.....	749,115	Jan. 5	1138	.....	108	263
Steel. Angle.....	H. G. M. Howard.....	748,736	Jan. 5	343	76	108	76
Steel armor-plate, &c., with a hardened face. Manufacture of.....	T. J. Tresidder.....	774,959	Nov. 15	2786	.....	113	657
Steel-concrete construction, &c.....	J. S. Metcalf.....	753,603	Mar. 1	738	165	109	161
Steel, &c. Converter for making.....	W. B. Burrow.....	755,215	Mar. 22	3924	869	109	907
Steel-cutters, &c. Apparatus or furnace for hardening.....	S. N. Braysshaw.....	769,052	Aug. 30	5991	1255	111	2446
Steel. Manufacture of.....	T. J. Tresidder.....	774,958	Nov. 15	2785	.....	113	657
Steel. Manufacture of cast.....	M. Meslans.....	765,932	July 26	4068	.....	111	926
Steel. Manufacturing.....	O. Massenez.....	754,154	Mar. 8	1845	.....	109	424
Steel plates. Locally softening or annealing hardened.....	C. P. E. Schneider.....	755,709	Mar. 29	4856	1079	109	1126
Steel. Producing open-hearth.....	H. Carlsson.....	768,265	Aug. 23	4354	482	111	2060
Steel projectiles, &c. Manufacture of hardened.....	R. A. Hadfield.....	751,301	Mar. 8	2132	.....	109	488
Steel. Treating.....	T. G. Selleck.....	773,034	Oct. 25	3673	791	112	1809
Steel. Treating and manufacturing.....	W. B. Burrow.....	757,803	Apr. 19	3195	694	109	2059
Steel. Treating and recarburizing scrap.....	H. B. Atha.....	765,724	July 26	3673	.....	111	840
Steel. Treating and recarburizing scrap.....	H. B. Atha.....	766,131	July 26	4461	.....	111	1010
Steel. Treating and recarburizing scrap.....	H. B. Atha.....	774,973	Nov. 15	2828	.....	113	668
Steel wires or bands. Machine for making shavings from.....	H. Graf.....	761,585	May 31	5949	1276	110	1392
Steering and propelling device. Vessel.....	C. Vogel.....	765,171	July 19	2564	535	111	591
Steering and steadying mechanism. Boat.....	W. H. Young.....	757,384	Apr. 12	2345	511	109	1857
Steering apparatus.....	D. E. Hall.....	761,223	May 31	5277	1121	110	1342
Steering apparatus.....	E. E. Taylor.....	763,701	June 28	4128	900	110	2396
Steering apparatus. Ship.....	J. Peterson.....	774,693	Nov. 8	2207	481	113	506
Steering device.....	W. H. Douglas.....	770,567	Sept. 20	2725	576	112	649
Steering device.....	J. H. Robinson.....	778,710	Dec. 27	4432	970	113	2434
Steering-gear.....	H. W. Hoover.....	753,576	Mar. 1	694	155	109	152
Steering-gear.....	P. C. Dolliver.....	771,537	Oct. 4	636	142	112	1095
Steering-gear and rudder-indicator.....	W. Weber.....	774,294	Nov. 8	1466	316	113	346
Steering-gear for ships. Auxiliary.....	E. C. Akers.....	772,309	Oct. 11	2313	485	112	1452
Steering-mechanism. Manually-operated.....	F. T. Cable.....	765,915	July 26	4034	862	111	918
Steering-wheel. Tilting.....	R. A. and H. L. Warner.....	764,967	July 12	2197	454	111	496
Stem holding and cutting shears.....	C. Paff.....	778,140	Dec. 20	3331	731	113	2177
Stem winding and setting mechanism.....	H. C. King.....	752,680	Feb. 23	3620	805	108	1897
Stem winding and setting mechanism.....	H. Sandoz.....	760,647	May 24	4097	871	110	972
Stencil.....	J. T. Commoss.....	754,281	Mar. 8	2090	464	109	474
Stencil-sheets. Plate for making.....	G. I. Hierick.....	770,180	Nov. 29	5348	1131	113	1275
Stenciling.....	C. L. Burdick and H. Perilliac.....	757,238	Apr. 19	2454	536	109	1897
Stentering or like machine clip.....	J. Chambers and S. Cook.....	751,895	Feb. 9	2078	470	109	1821
Step.....	M. V. B. Ethridge.....	771,772	Oct. 4	1081	242	112	1190
Step-joint.....	G. A. Weber.....	772,013	Oct. 11	1505	361	112	1315
Stereographic-mounting frame.....	H. C. and H. C. White.....	759,949	May 17	2734	574	110	649

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Stereopticon	E. D. Clark	759,671	May 10	2204	453	110	515
Stereopticon	W. F. Mead and H. A. Mackie	771,828	Oct. 11	1203	268	112	1231
Stereopticon	A. Schweitzer	778,808	Dec. 27	4611	1007	113	2473
Stereopticons, magic lanterns, &c. Slide-carrier for.	H. W. Force	749,048	Jan. 5	996	210	108	232
Stereoscope	W. F. Folmer and A. M. Lawrence.	749,046	Jan. 5	991	210	108	230
Stereoscope	C. L. Pappenhagen.	756,692	Apr. 5	951	209	109	1545
Stereoscope	C. L. Pappenhagen.	757,052	Apr. 12	1682	365	109	1716
Stereoscope	L. A. Dolph	760,433	May 24	3954	775	110	874
Stereoscope	R. C. Wagner and C. Cotton	770,705	Sept. 20	2985	634	112	706
Stereoscope	H. E. Richmond	772,058	Oct. 11	1704	380	112	1339
Stereoscope. Collapsible.	S. Hermann	774,245	Nov. 8	1378	294	113	328
Stereoscope cross-bar	J. T. Smith	781,420	May 31	5670	1307	110	1330
Stereoscope. Lens.	M. von Rohr	774,801	Nov. 15	2471	533	113	587
Stereoscope lens-setting	H. C. White	748,676	Jan. 5	228	54	108	50
Stereoscope spring-clamp	T. W. Ingersoll	766,698	Aug. 2	1151	239	111	1297
Stereoscopic apparatus.	H. C. Snook	758,117	Apr. 26	3814	828	109	2213
Stereoscopic apparatus.	V. S. L. Owen	768,788	June 28	4302	935	111	273
Stereoscopic attachment	O. S. Lecland	764,136	July 5	446	87	111	97
Stereoscopic color image and making same	C. L. A. Brasseur.	749,159	Jan. 12	1234	265	108	302
Stereoscopic printing device.	F. A. Brownell.	773,552	Nov. 22	4106	864	113	983
Stereotype-block	C. N. Field.	748,596	Jan. 5	77	21	108	19
Stereotype-block	F. A. Berry	764,517	July 5	1248	266	111	273
Stereotype-block	F. A. Berry	772,453	Oct. 18	2517	552	102	1541
Stereotype-casting box	F. Schreiner	773,528	Oct. 25	4872	1028	112	2079
Stereotype-casting machine	C. E. Hopkins	757,114	Apr. 12	1796	393	109	1741
Stereotype-matrix press.	J. C. Bonneau	767,202	Aug. 9	2205	494	111	1547
Stereotype or electrotpe plates. Evening the faces of	M. A. McKee.	760,235	May 17	3308	695	110	779
Stereotype-plate clamp.	C. P. Cottrell	772,219	Oct. 11	2027	446	112	1410
Stereotype-plate clamp.	C. P. Cottrell	778,810	Dec. 6	866	185	113	1617
Stereotype-plates for printing purposes. Producing	C. B. Herrmann	766,037	July 26	4274	916	111	969
Stereotype-shaving machines. Ejecting mechanism for	A. H. Cruse	776,499	Dec. 6	43	11	113	1434
Sterilizer	A. Castle	749,128	Jan. 5	1157	245	108	267
Sterilizer	F. E. Stilwell	763,936	June 28	4582	1001	110	2492
Sterilizer	R. Allen	773,533	Nov. 1	1	1	113	3
Sterilizing apparatus	M. B. Perry	774,948	Nov. 15	2771	593	113	654
Sterilizing, heating, and boiling liquids. Apparatus for	J. E. Siebel	753,924	Mar. 8	1425	320	109	328
Stethoscopic instrument	R. C. M. Bowles	773,274	Oct. 25	4309	911	112	1957
Stiffener bath	P. Belle	756,319	Apr. 5	248	51	108	1397
Stiffening material	E. K. Warren	778,432	Dec. 27	3916	853	113	2320
Stigmatometer	J. E. Chambers	760,422	May 24	3642	770	110	869
Still	F. B. Merrill	761,315	May 31	5472	1163	110	1283
Still. Ammonia-	R. J. Cracknell	751,058	Feb. 2	308	119	108	1171
Still for crude bituminous material	757,387	757,387	Apr. 12	2249	512	109	1858
Still. Turpentine-	J. F. Bailey	770,149	Sept. 13	1899	404	112	444
Still. Water-	G. A. and C. A. Young	750,747	Jan. 26	4964	943	108	1016
Still. Water-	F. H. Smith	755,179	Mar. 22	3860	852	109	894
Stirrer and tongs. Combined	J. Kallstrom	776,184	Nov. 29	5333	1132	113	1276
Stirring apparatus.	J. S. Deal	772,701	Oct. 18	2259	638	112	1643
Stirrup.	G. E. McVey	756,270	Apr. 5	158	31	109	1375
Stirrup. Safety-	H. H. Heermann	751,394	Feb. 2	1145	260	108	1301
Stirrup. Safety-	E. L. Parrish	755,531	Mar. 22	4496	999	109	1029
Stirrup-strap	L. P. Wellmann	778,090	Dec. 20	3233	700	113	2154
Stitch-forming mechanism	E. C. Henderson	732,451	Feb. 16	3148	701	108	1776
Stitch separating and indenting machine.	F. J. Thon and H. G. Wolf	758,601	Apr. 26	4773	1027	109	2426
Stock-boards. System for operating	G. S. Gallagher	752,059	Feb. 16	2397	535	108	1608
Stock-guard	P. Mallia	772,364	Oct. 18	2341	514	112	1502
Stock-guide	A. C. Jones	758,921	May 3	684	137	110	160
Stock. Hoisting device for live	L. W. Johnson	754,775	Mar. 15	3114	680	109	716
Stock-loading device.	W. Dawson	758,426	Apr. 26	4432	952	109	2349
Stock-rack	M. F. Holbrook	761,676	June 7	109	18, 19	110	1453
Stock-rack	R. S. Brown	767,101	Aug. 9	1996	415	111	1504
Stock-spraying machine. Live-	G. T. Seabury	774,279	Nov. 8	1438	309	113	341
Stock-tank	I. B. Huenergardt	777,950	Dec. 20	2965	652	113	2100
Stocking	L. Calkins	757,390	Apr. 12	2354	513	109	1859
Stocking	R. Meyer	758,184	May 3	1182	339	110	267
Stocking	H. B. Brown	767,381	Apr. 16	2325	530	111	1384
Stocking or hose supporter	C. R. Bannhr	765,695	July 26	3596	765	111	827
Stocking-soles manufactured on circular-knitting machines. Mechanism for forming double threads upon	H. A. Houseman	761,632	May 31	6043	1296	110	1412
Stocking-stretcher	O. J. Katz	751,653	Feb. 9	1005	365	108	1418
Stocking-supporter	W. M. Vars	752,271	Feb. 16	2798	620	108	1701
Stocking-supporter	T. P. Taylor	755,812	Mar. 29	5071	1126	109	1173
Stocking-supporter	G. Beeler	764,790	July 12	1834	375	111	417
Stocking-supporter	C. J. Higley	775,422	Nov. 22	3815	806	113	920
Stocking-suspender	A. Breese	768,928	Aug. 30	5756	1205	111	2389
Stocking-top-cutting machine.	F. W. Robinson	751,560	Feb. 9	1435	325	108	1383
Stoker. Automatic.	J. R. Luckey	762,731	June 14	2217	431	110	1387
Stoker. Automatic.	P. J. Hamler	764,540	July 5	1320	265	111	290
Stoker. Mechanical.	E. and H. R. Bretney	755,611	Mar. 29	4637	1033	109	1079
Stoker. Mechanical.	J. J. Burwell	759,859	May 17	2573	538	110	613
Stoker. Mechanical.	J. W. Kincaid	761,685	June 7	127	21, 22	110	1466
Stoker. Mechanical.	J. and W. Reagan	767,082	Aug. 9	1900	409	111	1496

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & E.	Vol.	Page.
Stoker. Mechanical	A. E. Woodmansee	770,143	Sept. 13	1889	401	112	441
Stoker. Mechanical	V. Bachman	777,062	Dec. 13	1210	402	113	1712
Stoker. Underfeed.	J. M. Searle	749,501	Jan. 12	1971	265	108	461
Stoker. Underfeed.	E. E. Taylor	778,812	Dec. 27	4634	1012	113	2478
Stoking apparatus. Automatic	O. F. Leibert	765,390	July 19	2978	633	111	680
Stone. Apparatus for erecting buildings by molding artificial	J. J. Dewey	768,429	Aug. 23	4705	985	111	2144
Stone. Apparatus for the manufacture of artificial	W. Schwarz	760,651	May 24	4103	872	110	973
Stone, &c. Apparatus for use in the manufacture of artificial	W. A. Darrow, A. C. Wood, and J. E. Allen	730,949	Feb. 2	322	76	108	1129
Stone. Artificial	V. Steger	756,295	Apr. 5	205	-----	109	1388
Stone. Artificial	J. W. Lewis	771,479	Oct. 4	504	-----	112	1066
Stone. Artificial	E. D. Reed	773,421	Oct. 25	4624	-----	112	2025
Stone blocks. Press for molding artificial	G. H. Rademacher and J. C. F. Boll	768,345	Aug. 23	4506	947	111	2093
Stone breaking or splitting machine	F. J. H. Weller	751,094	Feb. 2	465	109	108	1160
Stone, brick, &c. Waterproofing and finishing the surface of	N. Farnham	748,595	Jan. 5	76	-----	108	19
Stone building-block. Artificial	E. L. Brownson	777,073	Dec. 13	1328	269	113	1717
Stone-cleaning composition and making same	P. J. Brahen	754,417	Mar. 15	2409	-----	109	551
Stone composition. Artificial	P. Walther	763,130	June 21	2962	-----	110	2127
Stone. Composition for use in producing artificial	J. C. McClenahan	777,387	Dec. 13	1817	-----	113	1845
Stone. Composition of matter for artificial	C. W. Brunson	770,557	Sept. 20	210	-----	112	645
Stone cutting and shaping machine	P. Lanigan	749,337	Jan. 19	3819	602	108	664
Stone-dressing device	P. J. Sells	771,375	Oct. 4	108	24	112	985
Stone-dressing machine	W. B. Stoughton	749,240	Jan. 12	1405	301	108	342
Stone from magnet. Manufacturing artificial	C. Groyen	771,063	Sept. 27	3702	-----	112	881
Stone-gathering machine	G. Lentz	772,724	Oct. 18	3048	667	112	1655
Stone-holder	P. H. Farrell	774,383	Nov. 8	1627	349	113	383
Stone, &c. Hydraulic press for molding artificial	W. H. Fisher	751,904	Feb. 9	2090	472	108	1524
Stone-making machine. Artificial	J. B. Oliver	764,621	July 12	1492	305	111	343
Stone. Manufacture of artificial	F. W. Dunn	754,550	Mar. 15	2687	583	109	623
Stone. Manufacture of artificial	C. Rubitschung	777,145	Dec. 13	1355	-----	113	1743
Stone. Manufacturing	J. G. McClenahan	757,483	Apr. 19	2545	559	109	1915
Stone. Manufacturing artificial	L. Chase	760,181	May 17	3213	-----	110	737
Stone. Manufacturing hollow blocks of artificial	J. O. Nye	771,566	Oct. 4	691	154	112	1106
Stone, marble, &c. Polishing and finishing lime-	C. H. Weigelt	774,121	Nov. 1	1159	247	113	262
Stone, marble, &c. Rubber for surfacing	A. M. I. McLeod	772,955	Oct. 25	3508	750	112	1774
Stone mold. Artificial	A. Lake	763,679	June 28	4075	887	110	2384
Stone. Mold for the manufacture of artificial	C. H. Hutchings	759,373	May 10	1638	331	110	390
Stone-molding machine. Artificial	J. Sinclair	748,696	Jan. 5	214	51	105	46
Stone-molding machine. Artificial	N. F. Palmer	764,623	July 12	1495	306	111	343
Stone-molding machine. Artificial	G. W. Dy Arman	774,571	Nov. 8	1987	432	113	458
Stone, &c. Molding-machine for	F. F. Wilson	765,349	July 19	2306	607	111	665
Stone or other material. Means and apparatus for use in cutting or dressing or polishing	F. M. McLarty	775,455	Nov. 22	3883	821	113	934
Stone plates, slabs, or tiles. Manufacturing imitation	L. Hatschek	769,078	Aug. 30	6029	-----	111	2453
Stone-saw	J. F. Neher	777,690	Dec. 20	2408	539	113	1986
Stone-sawing machine	C. A. Thomson	749,707	Jan. 12	2354	497	108	545
Stone-sawing machine	O. W. Alston	752,504	Feb. 16	3341	722	108	1795
Stone-sawing machine	G. D. Hunter	753,298	Mar. 1	101	25	109	25
Stone-sawing machine	G. D. Hunter	753,369	Mar. 1	103	26	109	25
Stone-sawing machine	G. D. Hunter	753,570	Mar. 1	105	26	109	26
Stone-sawing machine	G. D. Hunter	755,067	Mar. 29	4763	1061	109	1104
Stone-sawing machine	G. H. Davis	759,422	May 10	1728	350	110	411
Stone-sawing machine	C. A. Thomson	770,403	Sept. 20	2410	509	112	579
Stone-working tool	J. B. Hanley	771,065	Sept. 27	3708	782	112	882
Stones. Coloring natural crystalline	A. E. Douglas	770,453	Sept. 20	2500	531	112	598
Stones. Producing refractory calcareous sand-	E. Klie	770,643	Sept. 20	2865	-----	112	670
Stool	W. Schwarz	760,571	May 24	3943	-----	110	998
Stool and cane. Convertible	F. Schellenbach	755,706	Mar. 29	4852	1079	109	1126
Stool. Cotton, berry, or vegetable picking or dairy	P. Nash	768,478	Aug. 23	4794	1004	111	2162
Stool. Foldable	W. Spiegeberg	767,329	Aug. 9	2286	479	111	1566
Stool. Folding	J. C. Farley	759,803	May 10	2467	516	110	574
Stool. Folding	W. B. S. Hussa	749,675	Jan. 12	2286	482	108	531
Stool. Folding	G. W. Pike and F. M. Andrus	755,043	Mar. 22	3621	794	109	843
Stool. Milking	A. M. Schultz	760,260	May 17	3349	704	110	787
Stop mechanism	C. H. Mock	772,516	Oct. 2	2229	688	112	1456
Stop-motion device	H. A. Sprague	751,357	Feb. 9	1028	245	108	1288
Stop-motion device	C. A. Juengst	763,673	June 28	4066	885	110	2382
Stop-motion device	H. L. Powell	773,418	Oct. 25	4619	976	112	2023
Stop-motion mechanism for textile machinery.	S. W. Wardwell	756,303	Apr. 5	221	46	109	1392
Electrical	J. B. Whitney	774,012	Nov. 1	952	198	113	217
Stop-motion. Textile-machine.	P. Hardman	767,055	Aug. 9	1887	395	111	1481
Stopper	See Battery-stopper. Cork stopper.						
Boiler-tube stopper. Dropping-stopper.							
Bottle-stopper. Plug-stopper.							
Brush-holding stopper. Receptacle-stopper.							
Stopper	A. de Clairmont	771,298	Oct. 4	152	34	112	994
Stopper-extractor	C. Haussmann	775,273	Nov. 15	3485	735	113	826
Stopper for preventing the refilling of vessels	P. Bonneteau	755,430	Mar. 22	4314	962	109	966
Stopper-making machine. Seamless-	E. E. Demely	771,421	Oct. 4	415	93	112	1045
Stopper-puller	E. M. Wilcox	771,345	Oct. 4	242	54	112	1012
Stopping device	W. R. Green	770,281	Sept. 20	2185	456	112	528
Storage and display receptacle	C. A. Brewer	756,466	Apr. 5	552	115	109	1460
Storage apparatus	J. M. Dodge	755,566	Mar. 22	4359	1014	109	1043
Storage battery	M. C. Burt	754,969	Mar. 22	3497	765	109	816

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Storage battery.	A. V. Meserole	737,943	Apr. 13	3453	748	109	2116
Storage battery.	W. J. Richmond	738,692	May 3	171	96	110	41
Storage battery.	J. T. Niblett	739,007	May 3	841	171	110	194
Storage battery.	V. G. Apple	739,058	May 3	933	189	110	213
Storage battery.	T. A. Willard	761,345	May 31	5521	1177	110	1295
Storage battery.	M. Schneider	763,847	June 14	2461	533	110	1960
Storage battery.	H. C. Porter	763,321	June 21	3362	730	110	2210
Storage battery.	T. A. Willard	765,060	July 12	2371	492	111	331
Storage battery.	I. Kitsee	765,082	July 12	2402	500	111	338
Storage battery.	F. T. Cable and G. E. Edgar	766,216	Aug. 2	130	24, 25	111	1069
Storage battery.	J. P. Wood	769,975	Sept. 13	1593	339	112	375
Storage battery.	E. A. Speery	773,686	Nov. 1	296	66	113	70
Storage battery.	C. B. Morgan	773,961	Nov. 1	858	180	113	197
Storage battery. Electric	A. G. Betts	759,066	May 3	947	192	110	216
Storage bin.	J. A. Jamieson	752,841	Feb. 23	3910	876	108	1960
Storage-pocket. Movable	C. Arnold	749,653	Jan. 12	2240	473	108	321
Storage system.	W. J. H. Bohannan.	766,660	Aug. 2	1066	223	111	1277
Storage tank or receptacle	W. M. Fulton	754,132	Mar. 8	1815	404	109	417
Storage vessels. Treating	V. Lapp	766,506	Aug. 2	743		111	1203
Store-fixture.	E. S. Coy	762,525	Feb. 16	3276	731	108	1803
					84		
Store-service apparatus	E. R. Gill	758,060	Apr. 26	3699	805	109	2188
					806		
					807		
					914		
Store-service apparatus	E. C. Gipe	760,735	May 24	4299	1044	110	1014
					1045		
Store-service apparatus	E. C. Gipe	773,967	Nov. 29	4941	1104	113	1181
Storing, displaying, and measuring goods. Means for	R. C. Miller	756,128	Mar. 29	5684	1254	109	1308
Stove	F. J. Ploch	748,648	Jan. 5	185	45	108	41
Stove	C. Schweizer	748,796	Jan. 5	454	101	108	101
Stove	C. D. Helwig and W. W. Montague	749,050	Jan. 5	1026	217	108	237
Stove	A. B. Fox	750,355	Jan. 26	3597	780	108	852
Stove	P. J. Coppens	752,144	Feb. 16	2552	568	108	1643
Stove	O. P. Greene	754,557	Mar. 15	2703	587	109	625
Stove	H. H. Brown	753,105	Mar. 22	3724	818	109	867
Stove	A. A. Little	757,046	Apr. 13	1674	363	109	1715
Stove	F. G. Smith	761,327	May 31	5494	1169	110	1288
Stove	S. S. Moore	761,537	May 31	5448	1251	110	1368
					1252		
Stove	J. H. Herriff	762,407	June 14	1533	326	110	1790
Stove	S. W. Jackson	762,588	June 14	1922	414	110	1874
Stove	J. L. F. Bauer, Jr	764,031	July 5	237	43	111	55
Stove	J. E. T. Dickinson	765,309	July 19	2817	587	111	664
Stove	W. H. Calkins	766,217	Aug. 2	132	25	111	1069
Stove	S. C. Bruner	767,038	Aug. 9	1857	390	111	1475
Stove	F. J. Ploch	767,834	Aug. 16	3415	721	111	1832
Stove	J. H. Lane and E. D. Allen.	768,052	Aug. 23	3893	817	111	1956
Stove	J. Goldstein	774,068	Nov. 1	1062	227	113	240
Stove	T. A. Doughty	777,187	Dec. 13	1426	315	113	1759
Stove ash-box	H. T. T. T.	773,173	Oct. 25	4110	869	112	1914
Stove ash-chute	W. N. Moore and G. W. Cope	750,879	Feb. 2	193	44	108	1100
Stove attachment.	C. H. Torrens	754,028	Mar. 8	1618	360	109	373
Stove attachment.	J. S. Van Buren	754,259	Mar. 8	2052	456	109	467
Stove attachment.	W. G. Shoals	760,262	May 17	3353	705	110	788
Stove attachment.	K. A. Duff	762,558	Oct. 18	2728	568	110	1335
Stove attachment. Gas	L. H. Bear	752,749	Feb. 23	3729	831	108	1921
Stove burner. Gas	E. Hage	760,786	May 24	4395	934	110	1085
Stove burner. Gas	J. Johnson	766,147	July 26	4501	963	111	1019
Stove. Camp	L. J. Clergy and H. Morrow	756,330	Apr. 5	273	56	109	1401
Stove. Camp	D. L. Miller	758,015	Apr. 19	3602	780	109	3149
Stove. Combined heating and cooking oil	H. H. Stone	759,404	May 10	1699	344	110	405
Stove. Cook	J. J. Koch and J. Humbeli	756,378	Apr. 5	382	78	109	1425
Stove. Cook	J. F. Billman	762,573	June 14	1899	409	110	1869
Stove. Drying and annealing	A. Rónay	749,326	Jan. 12	1889	1336	108	382
Stove fire-box attachment.	A. Markoff	773,727	Oct. 18	3053	668	112	1656
Stove fire-box. Cooking	J. Mulveny	754,482	Mar. 15	2560	557	109	595
Stove for heating irons, &c.	A. V. Maniachi	756,033	Mar. 29	5508	1215	109	1274
Stove for heating smoothing-irons, &c.	W. Hegemann	757,742	Apr. 19	3079	1670	109	2032
					1671		
Stove frame. Vapor	I. Kinsey	753,498	Mar. 1	519	120	109	114
Stove, furnace, &c., cleaning device	V. K. Korjibsky	767,618	Aug. 16	3067	641	111	1757
Stove. Gas	A. C. Witman	754,180	Mar. 8	1898	423	109	435
Stove. Gas	H. A. Guignon	754,651	Mar. 15	2885	630	109	663
Stove. Gas	E. Flannigan	758,433	Apr. 26	4447	956	109	2353
Stove. Gas	H. H. Brown	753,303	June 28	3881	732	110	2258
Stove. Gas	J. J. Konigs	767,701	Aug. 16	3138	690	111	1777
Stove. Gas	R. Sturges	770,615	Sept. 20	2808	597	112	667
Stove. Gas	H. G. Pape	771,321	Oct. 4	199	43	112	1003
Stove. Gas	L. O. Watson	771,935	Oct. 11	1478	335	112	1588
Stove. Gas-burning fireplace	H. A. S. Howarth	773,656	Nov. 22	4321	912	113	1030
Stove. Gas-generating	C. A. Buzzell	774,866	Nov. 15	2616	561	113	619
					790		
Stove-grate	A. Alitto	763,454	June 28	3669	791	110	2299
Stove grate or fire-tray	E. Jennings	773,077	Oct. 25	3825	817	112	1846
Stove heat-concentrating attachment. Cooking.	J. E. Compton	764,882	July 12	2013	415	111	457
Stove. Heating	J. T. Smith	748,803	Jan. 5	463	104	108	103
Stove. Heating	N. R. Spaulding	748,995	Jan. 5	863	185	108	200
Stove. Heating	W. S. Van Deusen	751,962	Feb. 9	2208	497	108	1350
Stove. Heating	T. M. Barbee	754,275	Mar. 8	2080	461	109	472
Stove. Heating	P. J. Coppens	755,277	Mar. 22	4057	895	109	930
Stove. Heating	J. Cockrell	756,587	Apr. 5	761	165	109	1503
Stove. Heating	T. M. Barbee	760,386	May 17	3573	733	110	837
Stove. Heating	E. R. Cahoone	763,851	June 28	4416	961	110	2457

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. b.	Vol.	Page.
Stove. Heating.	I. H. Black.	764,981	July 12	2216	458	111	501
Stove. Heating.	T. A. Doughty. (Reissue)	12,239	July 19	3507	739	111	798
Stove. Heating.	A. A. Little.	738,739	Apr. 1	499	109	113	116
Stove. Heating.	B. F. Voorhis.	776,568	Dec. 6	206	46	113	1473
Stove heating-drum. Oil.	J. C. Kulp.	778,683	Dec. 27	4390	960	113	2424
Stove. Hot-water.	G. J. Hess.	761,482	May 31	5766	1230	110	1352
Stove igniter. Oil.	W. H. Wilder.	757,703	Apr. 19	3995	651	109	2015
Stove-leg.	J. Jewell.	777,901	Dec. 20	4861	629	113	2081
Stove-lid and cooking-utensil lifter. Combination.	G. W. Stengel.	756,727	Apr. 5	1024	227	109	1561
Stove. Magazine.	G. E. Kendall and W. L. Cowdin.	749,067	Jan. 5	1044	230	108	240
Stove-mat.	Z. T. Hall.	768,899	Aug. 30	5079	1193	111	2376
Stove. Oil.	E. E. Flora.	755,864	Mar. 29	5181	1147	109	1200
Stove. Oil.	A. Anderson.	765,872	July 26	3355	844	111	900
Stove. Oil.	W. P. Harrison.	776,820	Nov. 29	5599	1187	113	1331
Stove or furnace.	J. M. and S. R. Crowner.	758,051	Apr. 26	3679	798	109	2185
Stove or furnace.	H. O. Banks.	764,334	July 5	858	176	111	187
Stove or furnace fire-pot.	H. J. Hough.	773,744	Nov. 1	403	88.69	113	96
Stove or furnace grate.	J. W. Piper.	774,397	Nov. 8	1834	355	113	388
Stove or furnace. Heating.	R. W. Dodge.	757,602	Apr. 19	3791	61	109	1971
Stove or furnace. Heating.	E. O. Daniels.	767,738	Aug. 16	3216	678	111	1791
Stove or furnace magazine. Heating.	E. Schoup.	764,683	July 12	1624	332	111	371
Stove or range. Cooking.	W. Reid.	773,031	Oct. 25	3666	790	112	1808
Stove oven. Gas, gasoline, or oil.	D. Harris.	762,751	June 28	4561	629	113	2081
Stove-platform.	D. McIver.	769,691	Sept. 13	1401	299	112	335
Stove. Portable.	E. T. Stevenson.	776,151	Nov. 29	5292	1119	113	1262
Stove. Portable camp.	W. Weston.	750,742	Jan. 26	4356	941	108	1014
Stove tank. Gasoline.	A. J. Blackford.	774,644	Nov. 8	2115	462	113	455
Stove-top.	W. C. Knipe.	754,144	Apr. 1	1834	409	113	2185
Stove ventilator attachment.	C. Peimulder.	738,104	Feb. 23	4439	987	108	2080
Stove. Wickless blue-flame oil.	A. J. Blackford.	757,876	Apr. 19	3324	720	109	2087
Stoves, &c. Fire-pot for.	D. F. Printz.	767,122	Aug. 9	3039	424	111	1513
Stoves or ranges. Adjustable water-tank for.	L. Edel.	749,542	Jan. 12	2058	427	108	482
Stoves. System of feeding slow-burning.	E. Engels.	752,389	Feb. 16	3028	674	108	1751
Stoves. Warming-oven for gas or vapor.	A. C. Burnham.	771,320	Oct. 4	18	1	112	954
Stovepipe.	S. T. Brannock.	751,143	Feb. 2	662	152	108	1201
Stovepipe.	H. F. Strehlow.	776,626	Dec. 6	322	69	113	1500
Stovepipe and drum radiator.	C. A., C., and H. T. Nelson.	776,673	Dec. 6	416	92	113	1521
Stovepipe-clamp.	J. H. Green.	776,589	Dec. 6	241	53	113	1482
Stovepipe-cleaner.	G. E. Reynolds.	767,200	Aug. 16	2784	581	111	1694
Stovepipe-elbow.	W. J. Yeoman.	777,460	Dec. 13	1959	433	113	1876
Stovepipe-fastener.	H. W. Smith.	777,552	Dec. 13	2138	457	113	1915
Stovepipe-fastener.	E. Hammer.	753,701	Mar. 1	936	212	109	202
Stovepipe-fastener.	C. T. McClarlin.	756,266	Apr. 5	147	30	109	1374
Stovepipe-holder.	C. W. Elderkin.	753,641	Mar. 29	4721	1050	109	1093
Stovepipe-holder.	M. Alston.	766,150	Aug. 2	1	1	111	1043
Stovepipe-holder.	C. B. Wasson.	760,993	Sept. 27	3556	749	112	852
Stovepipe-holder.	C. S., Jr., and R. K. Potter.	771,446	Oct. 4	449	102	112	1053
Stovepipe-holder. Tent.	H. J. Kahler.	778,672	Dec. 27	4373	955	113	2420
Stovepipe-lock.	J. McAdams.	768,374	Aug. 2	459	98	111	1141
Stovepipe-ventilating attachment.	W. A. Petrie.	750,120	Jan. 9	3161	679	108	735
Stovepipe-ventilator.	C. H. and B. A. Stocking.	771,680	Oct. 4	907	204	112	1153
Stovepipe-ventilator.	W. P. Garrison.	763,476	June 28	3703	739	110	2306
Stovepipe-ventilator.	H. Conden.	771,530	Oct. 4	635	141	112	1094
Stovepipe-ventilator attachment.	T. W. Farrington and G. C. Tucker.	773,724	Nov. 1	362	80	113	86
Strainer.	G. T. Stafford.	770,829	Sept. 20	8291	481	112	533
Strainer.	T. L. Wackerow.	748,821	Jan. 5	500	113	108	113
Strainer.	M. H. Viner.	753,939	Mar. 8	1454	327	109	335
Strainer.	F. G. Brown.	755,353	Mar. 22	4187	925	109	964
Strainer.	J. C. Quinn.	756,892	Apr. 12	1353	300	109	1647
Strainer.	L. Zabel.	762,222	June 7	1155	248	110	1691
Strainer.	P. H. Vogt.	767,780	Aug. 16	3292	695	111	1807
Strainer and filter.	G. A. W. Schilling.	758,150	Apr. 26	3871	841	109	2227
Strainer. Flat.	I. W. Pullman.	749,880	Jan. 19	2697	576	108	638
Strainer for down-spouts. Self-cleaning.	J. J. Harris and J. Adams.	732,547	Feb. 16	3322	739	108	1816
Strainer. Jelly.	A. H. Barnett.	775,716	Nov. 22	4439	938	113	1054
Strainer. Teapot.	A. F. Barnett.	767,471	Aug. 16	2712	569	111	1678
Strainer. Tubular.	J. H. King.	765,182	July 19	2582	540	111	594
Strainer. Waste-hole.	J. H. Doyle.	769,152	Sept. 6	26	6	112	8
Straining attachment. Milk-can.	J. H. Blaney.	755,000	Mar. 29	4653	1034	109	1078
Straining device. Liquid.	J. H. Adwen.	752,019	Feb. 16	2333	522	108	1595
Strap.							
See Box-strap.	Stirrup-strap.						
Car hand-strap.	Trunk-strap.						
Hitching-strap.	Yoke-strap.						
Strap attachment.	N. A. Smallman.	774,853	Nov. 15	2581	555	113	609
Strap attachment.	W. H. Coram.	778,636	Dec. 27	4323	943	113	2410
Strap-covering machine.	V. P. Buck.	763,148	June 21	3039	654	110	2138
Strap grooving and channeling apparatus.	P. L. Sherman.	765,639	July 19	3465	732	111	784
Strap lightener and fastener.	C. Anderson.	762,857	June 14	2478	537	110	1993
Straw. Artificial.	J. H. White.	754,040	Nov. 1	362	80	113	86
Straw-cutter.	D. A. and J. F. Stewart.	758,792	May 3	422	55	110	104
Straw-feeding machine.	G. P. Griffin.	771,204	Sept. 27	3980	842	112	941
Stream-motor.	F. A. Fyfe.	750,025	Jan. 19	2986	639	108	700
Streams. Means for controlling flowing.	F. A. Fyfe.	750,732	Jan. 26	4375	945	108	1018
Street and station indicator. Electrical.	E. S. Cole.	746,864	Apr. 9	1532	318	111	1397
Street-cleaner.	L. C. Allen.	765,518	July 10	3247	680	111	738
Street-cleaning machine.	J. J. Smith.	772,921	Oct. 25	3449	748	112	1761
Street-indicating mechanism for vehicles.	A. A. Clough.	756,136	Mar. 29	5694	1256	109	1310
Street-light.	E. L. Nichols.	750,535	Jan. 26	3988	862	108	932
Street or station indicator for street-railway cars, &c. Automatic.	D. J. Prendergast, V. H. Slinack, and T. Wilson.	774,137	Nov. 1	1183	253	113	268
Street or station indicator for tramways.	A. Garabedian.	770,759	May 24	4344	922	110	1023
Street-scavenging machine.	B. Rivkin.	771,787	Oct. 4	1119	250	112	1198

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Street, station, program, or advertising indicator ..	R. Bosshard	757,086	Apr. 12	1738	378 379 380	109	1727
Street-sweeper	A. Brown	775,163	Nov. 15	3213	686	113	757
Street-sweeper	A. Larson	775,569	Nov. 22	4144	872	113	990
Street-sweeper	J. H. Baragar	777,175	Dec. 13	1406	310 311	113	1755
Street-sweeping machine	H. D. Layman and F. W. Parpart	762,241	June 7	1188	255 256	110	1698
Street-sweeping machine	J. P. Clark	766,422	Aug. 2	555	117 118	111	1161
Street-sweeping machine	O. Schumann	778,076	Dec. 20	3208	332 706	113	2149
Streets, &c. Sprinkling	L. S. Van Westrum	732,485	Feb. 16	3204	108	1788	
Streets. Sprinkling	L. S. Van Westrum	732,487	Feb. 16	3206	108	1788	
Strength-testing apparatus	J. Maitland	768,613	Aug. 30	5096	1070	111	2246
Stretcher	P. P. W. and J. W. Sommer	756,539	Apr. 5	681	146	109	1486
Stretcher	E. M. Smith and J. Ferrin	765,369	July 19	2939	614	111	672
Stretcher	R. C. Smith	775,737	Nov. 22	4472	946	113	1062
Stretcher	J. Ferrin	776,889	Nov. 29	5741	1215	113	1364
Stretcher-stand	H. O. Habb	749,731	Jan. 19	2424	108	577	
Striking-bag	A. Lindsay	760,004	May 17	2856	597	110	677
Striking-bag support	G. McFadden	755,680	Mar. 29	4804	1070	109	1112
String-cutter	G. R. Hannan and J. C. Rodehaver	755,869	Mar. 29	5193	1149	109	1202
String-cutter	G. R. Butler	769,726	Sept. 13	1119	240	112	271
Stringed-instrument mute	F. Istas	759,375	May 10	1638	332	110	391
Stringed-instrument-operating mechanism	W. W. Stallings	760,932	May 24	4682	997	110	1095
Stringed-instrument pick	C. F. W. Seidel	768,241	Aug. 23	4914	907	111	2051
Stringed-instrument plectrum	D. W. Barnes	753,534	Mar. 1	612	139	109	133
Stringed-instrument sostenuto device	S. A. Hunt	757,308	Apr. 12	2201	481	109	188
Stringed-instrument tuning attachment	E. Sprout	733,827	Mar. 1	296	46	109	47
Strip-delivering apparatus	G. Norwood	757,565	Apr. 19	2721	595	109	1954
Strip or band feeding device	H. Casler	776,723	Dec. 6	509	112	113	1539
Stripping-tool	D. G. Terryberry	777,568	Dec. 13	2178	478	113	1922
Strong box for valuables	E. M. Wood	770,142	Sept. 13	1888	491	112	441
Strop	J. L. Coesir	770,225	Sept. 13	2051	432	112	577
Stropping-machine	A. W. Scheuber	750,397	Jan. 26	3668	797	108	867
Stropping-machine	A. W. Scheuber	750,398	Jan. 26	3670	797	108	868
Stropping-machine	O. Kampfe	767,696	Aug. 16	3150	658	111	1775
Structure. Composite	G. A. Weber	749,597	Jan. 12	1980	911	108	463
Structure-guard	L. L. Landis	760,999	May 24	4808	1022	110	1122
Stud and pin coupling	A. B. Tarbox	750,501	Jan. 26	3871	840	108	911
Stud. Balance-spring	R. Lange	772,106	Oct. 11	1800	309	112	1361
Stud for sew-on fasteners	T. R. Hyde, Jr.	777,951	Dec. 20	2966	652	113	2100
Stud. Garment-supporting	B. F. Orewiler	758,929	May 3	700	140	110	164
Stud member	H. Kerngood	760,875	May 24	4567	973	109	1071
Stud. Metal	E. A. Mallory	772,662	Oct. 18	2914	640	112	1625
Stud, &c. Metallic	M. Hegbom	749,862	Jan. 19	2664	509	108	629
Stud or button	W. Appleton	761,935	June 7	642	129	110	1581
Stud or post. Metal	C. Haines	762,902	June 21	2566	537	110	2033
Stud. Spring	E. Thieleman	759,405	May 10	1701	945	110	405
Studding. Sheet-metal	H. Wittekind and R. E. Bourke	754,270	Mar. 8	2071	459	109	470
Study of languages. Means for facilitating the	H. Cannon	778,110	Dec. 20	3269	717	113	2162
Stuffing-box	W. T. Giles	753,567	Mar. 1	673	151	109	148
Stuffing-box	C. D. Shorts	754,820	Mar. 15	3210	700	109	736
Stuffing-box	A. L. Dudley	779,973	May 17	2794	585	110	663
Stuffing-box	G. E. Albrand	776,093	July 26	4392	941	111	995
Stuffing-box for steam-turbines. Liquid	L. H. Nash	773,297	Oct. 25	4352	919	112	1967
Stuffing-box gland	H. Turnbach	765,111	July 12	2452	511	111	549
Stuffing-box. Lubricating	F. O. Furlow	760,686	May 24	4188	889	110	980
Stump-burner	C. T. McCarroll	769,708	Sept. 13	1091	234	112	266
Stump-extractor	D. S. Wheeler and H. V. Whittle	754,534	Mar. 15	2643	574	109	613
Stump-extractor	C. R. Twitty	764,321	July 5	825	168	111	182
Stump-puller	T. E. Ewer	762,238	June 7	1173	251	110	1694
Stump-puller	E. M. Erdmann	764,231	July 5	861	194	111	147
Stump-puller	P. Hudson	766,951	Aug. 9	1705	357	111	1440
Stump-puller	D. J. McMillan	768,677	Aug. 30	5236	1100	111	2375
Stump-pulling machine	W. Smith	762,445	June 14	1618	352	110	1809
Stump-pulling machine	F. A. Wood	772,994	Oct. 25	3573	775	112	1790
Subalder attachment	M. H. Bevens	774,412	Mar. 15	2408	596	109	559
Submarine preserving and antifouling composition	M. H. Devery	764,054	Mar. 8	1668	109	384	
Subterranean-passage lining	A. Fernandez	777,013	Dec. 6	1102	289	113	1671
Sucker-rod cleaner	W. L. Carlin	772,985	June 21	3714	589	110	2067
Sucker-rod coupling	E. A. Guy	774,943	July 12	2153	446	111	147
Sucker-rod grab	O. A. Mann	767,749	Dec. 6	571	125	113	1552
Sucker-rod joint	E. B. Campbell	773,921	Nov. 1	785	164	113	181
Sucrose. Extracting	W. J. Gibbens and E. W. Christie	757,295	Apr. 12	2148	470 471	109	1817
Sucrose from sugar-cane. Apparatus for extracting	W. J. Gibbens and E. W. Christie	757,296	Apr. 12	2152	472 473	109	1818
Sugar and malt. Making product of	W. R. Long	766,832	Aug. 9	1469	458	111	1388
Sugar-crystallizer	G. Engel	759,686	May 10	2324	459	110	519
Sugar-drawer attachment for bars	C. H. Bagley	771,965	Oct. 11	1497	339	112	1292
Sugar from beets. Making	M. Roeseler and A. Schaer	770,700	Sept. 20	2976	112	705	
Sugar-loaves. Drying	E. Passberg	749,627	Jan. 12	2155	459	108	510
Sugar. Making	J. McGlashan	751,590	Feb. 9	2386	108	1505	
Sugar. Making milk	S. R. Kennedy	772,517	Oct. 18	2648	112	1508	
Sugar. Producing milk	R. A. Hall	758,065	Apr. 25	3720	808	109	219.

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Suit-case	A. H. Christie	752,756	Feb. 23	3741		108	1924
Sulphids from ores. Apparatus for extracting	G. D. Delprat	763,662	June 28	4046	881	110	2378
Sulphids from their ores. Apparatus for separating.	J. H. Gillies	775,747	Dec. 27	4460	685	113	2447
Sulfur trioxid. Making	H. A. Marsden	749,311	Jan. 12	1562	331	108	376
Sulfur-burning apparatus	H. S. Blackmore	778,090	Dec. 20	3244	713	113	2157
Sulfuric anhydrid. Apparatus for making.	R. Knietisch	774,083	Nov. 1	1095	233	113	247
Sulfuric anhydrid. Contact apparatus for the production of	W. Hasenbach	752,165	Feb. 16	2584	575	108	1540
Sulfuric anhydrid. Making	E. Raynaud and L. Pierron	751,941	Feb. 9	2136	489	108	1540
Sulfuric anhydrid. Making	G. Lunge and G. P. Pollitt	758,844	May 3	524		110	125
Sulfuric anhydrid. Making	H. S. Blackmore	769,585	Sept. 6	850	184	112	194
Sulky	G. W. St. Clair	757,575	Apr. 19	2749	600	109	1961
Sulky	E. S. Frazier	762,038	June 7	832	169	110	1615
Sun-dial	E. G. Hewitt	770,580	Sept. 20	2744	582	112	653
Superheater	J. P. Sneddon	757,570	Apr. 19	2733	597	109	1956
Superheater	A. C. Bethune	759,064	May 3	942	192	110	215
Superheater	J. A. Stevens	760,816	May 24	4463	950	110	1048
Superheater	J. H. Rosenthal	767,766	Aug. 16	3266	687	111	1802
Superheater	F. D. Potter	771,324	Oct. 4	205	44, 45	112	1005
Superheater	C. Hagans	771,630	Oct. 4	809	180	112	1132
Superheater	P. Blanc	776,039	Dec. 6	344	73	113	1504
Superheating apparatus.	W. S. Elliott	756,840	Apr. 12	1249	278	109	1627
Superheating system	S. A. Reeve	753,433	Mar. 1	404	95	109	88
Support. Adjustable.	A. Fleming	756,486	Apr. 5	590	127	109	1466
Support. Adjustable.	E. T. Palmeuerg	773,972	Nov. 1	878	185	113	201
Support. Adjustable and collapsible	E. G. Patten	755,039	Mar. 23	3614	798	110	842
Support or shelf. Vertically-swinging.	J. S. Detrick	730,830	Feb. 2	87	20	108	1076
Supporting device	A. M. Cox	795,817	July 26	3864	823	111	880
Supporting-frame.	J. Liebau	777,037	Dec. 6	1156	251	113	1684
Supporting frame or trellis	A. Cortes	753,046	Feb. 22	4341	966	108	2059
Suppository-machine	F. L. Stokess	768,344	Aug. 23	431	908	111	2032
Suppository-molding machine	F. R. Bent	756,457	Apr. 5	535	111	109	1456
Surface-gage	H. J. Hjorth	761,381	May 31	5501	1192	110	1313
Surface-gage. Indicating	W. H. Reinsner	773,983	Nov. 1	897	189	113	206
Surface-heater	W. G. King	759,331	May 10	1934	395	110	458
Surfacting and jointing machine	F. P. Burckhardt and F. Streich	732,650	Feb. 23	357	790	108	1881
Surfacting device	H. A. Hill	763,056	June 21	2861	618	110	2099
Surfacting-machine. Portable	N. Hughes	768,366	Aug. 23	4551	956	111	2104
Surfacting-wheel	C. G. Warner	766,079	July 26	4347	933	111	984
Surgeon's operating-table	S. G. Scanlan	764,081	July 12	1620	331	111	370
Surgical apparatus	J. Kleinbach	761,504	May 31	5808	1241	110	1361
Surgical appliance	P. Weaver	772,197	Oct. 11	1995	440	112	1402
Surgical bandage and material for making same	R. Robitschek	776,087	Nov. 29	5171	1092	113	1233
Surgical bandages. Manufacture of	J. E. Lee	761,513	May 31	5823	1244	110	1365
Surgical bridge	J. F. Ruckel	765,793	July 26	3820	814	111	870
Surgical chair	A. P. Gould	751,167	Feb. 2	713	163	108	1210
Surgical chair	A. McDannold	754,383	Mar. 8	2326	506	109	525
Surgical cot. Adjustable	S. A. Wright and E. E. McMahan	760,579	Sept. 6	849	182	112	132
Surgical cushions, &c. Cap for air-valves for	C. W. Meinecke	775,341	Nov. 22	4672	989	113	1104
Surgical instrument	T. A. Houghton	749,689	Jan. 12	2315	488	108	537
Surgical instrument	L. C. Holbrook	751,513	Feb. 9	1342	306	108	1363
Surgical instrument	T. A. Houghton	760,395	May 17	3590	757	110	841
Surgical instrument	C. H. Emerson	764,801	July 12	1854	381	111	421
Surgical instrument	F. E. Leavitt	769,493	Sept. 6	687	147	112	157
Surgical instrument	I. K. Mott	769,829	Sept. 13	1326	283	112	319
Surgical instrument	A. C. Heath	770,368	Sept. 20	2353	496	112	567
Surgical-instrument case	F. A. Koch	750,465	Jan. 26	3795	825	108	895
Surgical instrument for hemorrhoids	J. W. O'Neill	755,921	Mar. 29	5298	1169	109	1225
Surgical knife	S. A. Connell, Sr.	756,213	Apr. 5	38	98	109	1351
Surgical knife	W. S. Lewis	773,934	Dec. 27	4324	960	113	2184
Surgical operating-cushion	A. C. Eggers and E. Stahl	759,094	May 3	984	200	110	224
Surgical or obstetrical sheet	W. W. Townsend	756,544	Apr. 5	639	148	109	1488
Surgical or operating pad or cushion	C. W. Meinecke and D. Hogan	763,304	June 21	3833	721	110	2208
Surgical pad	W. E. Galloway	769,451	Sept. 6	607	133	112	138
Surgical pan	W. A. Galloway	749,180	Jan. 12	1289	27	108	314
Surgical purposes. Electric baker for	W. S. Edmands and C. A. Hoyt	775,105	Nov. 15	3085	655	113	728
Surgical retainer	A. C. Bernays	749,811	Jan. 19	2572	547	108	610
Surveying instrument	T. J. Oakes	773,035	Oct. 25	3675	792	112	1809
Surveying-instrument attachment	E. R. Armstrong	769,626	Feb. 9	793	165	112	173
Surveyors' instruments. Initial-reading indicator for	R. Cox	774,566	Nov. 8	1980	438	113	457
Surveyor's pin	G. I. Horrick	756,633	Apr. 5	834	180	109	1519
Surveyor's-tape marker	H. E. Keuffel	773,016	Oct. 25	3623	783	112	1798
Suspender attachment	H. G. Geer	732,149	Feb. 16	2561	570	108	1645
Suspender attachment	J. L. Ubellar	757,073	Apr. 12	1712	371	109	1722
Suspender attachment	L. Selikowitz	771,212	Sept. 27	3992	845	112	944
Suspender attachment	H. Tartsch	773,902	Nov. 1	738	157	113	169
Suspender cast-off	H. J. Gaisman	759,005	May 10	2074	424	110	456
Suspender cast-off	H. G. Macwilliam	773,750	Nov. 1	480	94	113	101
Suspender-end	W. Bloomberg	749,355	Jan. 12	1647	350	108	396
Suspender-end runner	T. J. Buchanan	764,985	July 12	2224	450	111	502
Suspender-fastener	J. W. Baugh	764,978	July 12	2212	457	111	500
Suspender-hook	J. F. Rowley	774,110	Nov. 1	1141	244	113	258
Suspender-hook	J. T. McGrade	775,013	Nov. 15	3092	620	113	885
Suspender. Trousers	J. C. C. Braden	766,342	Aug. 2	407	86	111	1130

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Drig.	Vol.	Page.
Suspenders.	H. G. Macwilliam.	750,774	Jan. 26	4432	955	108	1031
Suspenders.	H. G. Macwilliam.	750,989	Feb. 2	385	92	108	1143
Suspenders.	H. G. Macwilliam.	750,990	Feb. 2	386	92	108	1143
Suspenders.	M. Hynson.	732,558	Feb. 16	3345	744	108	1821
Suspenders.	C. A. Ladous.	752,508	Feb. 16	3363	750	108	1824
Suspenders.	J. W. Burgett.	734,641	Mar. 15	2868	627	109	659
Suspenders.	H. G. Macwilliam.	755,026	Mar. 22	3592	789	109	836
Suspenders.	W. O. McCurdy.	755,524	Mar. 22	4487	997	109	1027
Suspenders.	J. Pusey.	755,543	Mar. 22	4518	1005	109	1033
Suspenders.	A. Giesen.	756,490	Apr. 5	597	128	109	1468
Suspenders.	G. W. Scott.	758,151	Apr. 26	3874	841	109	2228
Suspenders.	H. T. Hazard.	760,393	May 17	3386	756	110	840
Suspenders.	W. J. Martens.	765,186	July 19	2587	541	111	595
Suspenders.	I. Wechsler.	769,037	Aug. 30	5961	1248	111	2439
Suspenders.	R. T. Clarke.	770,419	Sept. 20	2437	515	112	384
Suspenders.	H. G. Macwilliam.	771,739	Oct. 4	1142	255	112	1303
Suspenders.	H. G. Macwilliam.	771,990	Oct. 11	1551	347	112	1304
Suspenders.	W. Freeman.	775,749	Nov. 22	4495	952	113	1067
Suspenders.	J. E. Austrian.	778,398	Dec. 27	3546	796	113	2251
Suspenders and belt. Combined.	S. L. Engel.	757,590	Apr. 19	3372	729	109	2047
Suspenders and stocking-supporter. Combination.	J. E. and I. O. Josephi.	750,978	Feb. 2	368	80	108	1189
Suspenders. Drawers-supporting attachment for.	F. Ferguson.	751,064	Feb. 2	519	121	108	1173
Suspending-clamp.	J. Guttman.	778,780	Dec. 27	4565	999	113	2463
Suspending-hook.	L. H. Torrey.	764,518	Mar. 15	2936	572	109	612
Suspension-rack. Adjustable.	J. D. McKee.	774,968	Nov. 15	2801	690	113	661
Suspension-support. Spring.	B. A. Estep.	773,134	Oct. 15	4009	850	112	1890
Suspensory.	E. W. Munsey.	765,094	July 12	2425	504	111	542
Suspensory.	W. S. Wise.	765,261	July 19	2715	565	111	624
Suspensory.	J. C. Riley.	773,288	Nov. 15	3516	741	113	832
Swaging apparatus.	J. S. Reed.	755,698	Mar. 29	4837	1076	109	1122
Swaging-machine.	R. Crawshaw.	773,197	Oct. 25	4152	877	112	1923
Swaging-mill.	L. D. Davis.	771,611	Oct. 4	772	171	112	1123
Swaging-tool.	M. O. Felker.	765,835	July 26	3876	825	111	583
Swaging-tool.	M. O. Felker.	765,837	July 26	3879	826	111	583
Swaging-tool.	A. Neilson.	768,395	Aug. 23	4641	971	111	2131
Sweat-band.	J. S. Strouse.	773,249	Oct. 25	4468	945	112	1961
Sweep-rake.	E. E. Blake.	772,125	Oct. 11	1831	407	112	1367
Sweeper. Pneumatic.	W. P. Leister and L. A. Hughes.	767,296	Aug. 9	2366	495	111	1583
Sweeping-machine.	C. A. Green and H. E. Larsson.	732,152	Feb. 16	2267	571	108	1044
Sweeping-machine.	E. L. Keyes.	755,596	Mar. 22	4614	1025	109	1056
Swimming attachment.	N. B. Lawson.	760,881	May 24	4575	975	110	1073
Swimming-bag valve.	H. A. Ayvad.	760,948	May 24	4716	1005	110	1103
Swimming-glove.	C. G. Ammon.	762,017	June 7	788	161	111	969
Swing.	G. F. Armstrong.	758,579	Apr. 26	4277	1019	109	2416
Swing.	C. T. Campbell.	765,957	July 26	4106	878	111	935
Swing.	A. P. Boyer.	769,298	Sept. 6	329	75	112	70
Swing.	A. P. Boyer.	769,299	Sept. 6	333	76	112	72
Swing and fan. Combined.	D. W. Bash.	753,841	Mar. 8	1263	283	109	292
Swing. Circle.	C. C. Keen.	774,757	Nov. 15	2382	514	113	567
Swing fan attachment.	J. E. Weitz.	753,882	Mar. 1	1236	278	109	265
Swing. Lawn.	C. G. and H. H. McLaughlin.	753,726	Mar. 1	982	223	109	212
Swing. Lawn.	T. L. Good.	770,002	Sept. 13	1654	351	112	391
Swing. Lawn.	A. S. Lowe.	770,181	Sept. 13	1958	417	112	457
Swinging gate.	E. and W. B. Browning.	760,587	Jan. 26	4042	874	108	947
Swinging gate.	D. H. Iseminger.	775,772	Nov. 22	4534	962	113	1076
Swinging gate. Adjustable.	G. W. Snyder.	769,571	Sept. 6	838	179	112	189
Swinging-head coupling.	W. E. Coffin.	738,958	May 3	755	150	110	175
Swingletree.	H. H. Brazell.	777,774	Dec. 20	2563	567	113	2021
Swingletree or doubletree.	E. Halmann.	737,866	Apr. 19	3305	716	109	3082
Swingletree or doubletree coupling.	S. Wykes.	759,585	May 10	2033	416	110	479
Swingletree. Safety.	P. T. Christensen.	771,810	Oct. 11	1169	261	112	1223
Switch.							
See Automatic switch.	Oil-switch.						
Automatic safety-switch.	Plug-switch.						
Car-switch.	Push-button switch.						
Carriage electric switch.	Railway-switch.						
Carrier-system switch.	Railway safety block-switch.						
Centrifugal switch.	Railway stub-switch.						
Controlling-switch.	Railway-track switch.						
Electric switch.	Rerailing-switch.						
Electric-circuit switch.	Reversing-switch.						
Electric snap-switch.	Rotary switch.						
Electric time-switch.	Safety-switch.						
Electrical switch.	Spring-switch.						
Electromagnetic switch.	Telephone-switch.						
End-cell switch.	Telephone cut-out switch.						
Fluid-switch.	Three-way split switch.						
High-potential switch.	Tongue-switch.						
Knife-switch.	Track-switch.						
Lamp-switch.	Tramway-switch.						
Lamp-circuit switch.	Trolley-switch.						
Lamp socket.	Trolley-operated electric switch.						
switch.	Trolley-track switch.						
Magnetically-operated switch.	Unbroken-main-line switch.						
Switch.	W. F. Taylor, Jr.	748,811	Jan. 5	479	108	108	108

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. k.	Vol.	Page.
Switch.	T. Cope.	749,961	Jan. 12	1449	310	108	351
Switch.	G. Zimmermann and O. Langos.	733,015	Feb. 9	2323	519	108	1573
Switch.	E. M. Hewlett.	755,772	Mar. 29	5006	1113	109	1158
Switch.	H. Trumbull.	738,120	Apr. 26	3819	829	109	2215
Switch.	I. F. Harris.	760,200	May 17	3244	680	110	763
Switch.	H. A. Lewis and W. J. Caskey.	769,047	July 26	4289	919	111	973
Switch.	W. L. O'Brien.	770,305	Sept. 20	2241	1468	112	541
Switch.	G. E. Lemmon.	770,686	Sept. 20	2952	627	112	700
Switch.	C. C. Badeau.	772,914	Oct. 25	3429	1744	112	1756
Switch.	E. F. Porter.	776,545	Dec. 6	151	34	113	1459
Switch.	W. R. Findly.	778,183	Dec. 20	3416	750	113	2193
Switch and foot guard.	R. H. Frizzell.	763,974	July 5	92	14	111	29
Switch-and-lock movement.	L. H. Thullen.	768,205	Aug. 23	4236	890	111	2035
Switch and signal apparatus. Pneumatic.	W. J. Becker.	756,929	Apr. 12	1419	316	109	1661
Switch and signal system. Electric interlocking.	G. Bleyne and T. Ducousso.	749,255	Jan. 12	1428	307	108	347
Switch and signal system. Electric interlocking.	G. Bleyne and T. Ducousso.	772,604	Oct. 18	2808	618	112	1603
Switch and signal track-trip.	C. M. Hurst.	762,414	June 14	1549	339	110	1794
Switch-bar. Adjustable.	W. E. Hodge.	760,989	May 24	4791	1019	110	1118
Switch-block.	E. B. Smith.	760,989	May 24	4791	1019	110	1118
Switch box or case. Electric.	G. E. Newberth.	767,163	Aug. 9	2132	443	111	1532
Switch connection.	C. D. Anderson.	756,771	Apr. 5	1102	244	109	1578
Switch-contact.	G. Wright.	761,744	June 7	238	46	110	1490
Switch-control system. Remote.	J. L. Hall and H. R. Sargent.	766,391	Aug. 2	494	103	111	1149
Switch danger-signal. Automatic.	C. H. Remington.	731,871	Feb. 9	2025	458	108	1509
Switch for series arc-circuits.	C. D. Haskins.	750,971	Feb. 2	357	86	108	1136
Switch handle. Rotary-snap-electric.	C. G. Perkins.	756,979	Apr. 12	1527	335	109	1682
Switch handle. Snap.	C. A. Clark.	749,919	Jan. 19	2764	394	108	857
Switch indicating-dial. Snap-electric.	C. G. Perkins.	749,949	Jan. 19	2838	606	108	868
Switch-indicator. Automatic.	D. S. Rice.	760,081	May 17	2992	625	110	709
Switch-key.	P. R. McBerty.	776,413	Nov. 29	5782	1224	113	1574
Switch-lever lock.	N. Jamison.	771,155	Sept. 27	3888	820	112	923
Switch-locking device.	W. P. J. Nemert.	770,318	Sept. 27	3224	673	112	772
Switch mechanism.	J. W. Osborne.	749,626	Jan. 12	2184	459	108	509
Switch mechanism.	C. E. Irwin and W. A. Bennett.	777,512	Dec. 13	2053	452	113	1895
Switch mechanism. Automatic.	C. B. Rice, Jr.	765,195	July 19	2603	544	111	599
Switch mechanism. Electrical.	H. Kranz.	755,141	Mar. 22	3511	835	109	881
Switch mechanism. Electromechanical.	J. A. Duffy and O. Irwin.	770,456	Sept. 20	2501	581	112	588
Switch operated by electromagnets. Electrical.	W. Grunow, Jr.	765,653	July 19	3498	738	111	792
Switch operated by electromagnets. Electrical.	W. Grunow, Jr.	765,655	July 19	3504	739	111	792
Switch operating and locking device.	J. Hart.	773,566	Nov. 1	68	13	113	20
Switch-operating apparatus.	J. Bace.	773,023	Nov. 15	2929	624	113	698
Switch-operating device.	A. Schneider.	769,025	Jan. 5	942	199	108	219
Switch-operating device.	E. L. Pence.	759,545	May 10	1959	400	110	464
Switch-operating device.	E. L. Pence.	759,546	May 10	1962	401	110	465
Switch-operating device.	C. W. Townsend.	769,513	Sept. 6	735	159	112	167
Switch-operating device.	H. M. Cooley.	773,599	Nov. 22	4203	885	113	1004
Switch-operating device.	W. B. Thurston.	776,966	Dec. 6	1017	217	113	1653
Switch-operating device. Automatic.	D. Famp.	773,974	Nov. 1	880	186	113	902
Switch-operating mechanism.	J. H. Miller.	758,552	Apr. 26	4669	1005	109	2408
Switch-operating mechanism.	S. Kennedy.	772,715	Oct. 18	3034	665	112	1652
Switch-operating mechanism.	A. H. Renshaw and W. W. Lavarack.	773,422	Oct. 25	4625	977	112	2025
Switch-operating mechanism. Electric track.	C. W. and J. B. Squires.	760,656	May 24	4121	875	110	976
Switch-operating mechanism. Multiple.	W. J. Bell.	732,642	Feb. 23	3533	786	108	1878
Switch-operating mechanism. Track.	C. F. Hopewell.	762,324	Oct. 25	4401	934	112	1976
Switch-plate.	J. Alexander.	762,571	June 14	1897	408	110	1868
Switch-point-locking mechanism.	J. Maher and C. W. Harbison.	775,840	Nov. 23	4669	989	113	1103
Switch-point protector.	J. I. Brewer.	764,108	July 5	398	77	111	87
Switch-point shifter.	R. H. Roberts.	764,867	July 12	1990	410	111	432
Switch-rod lock.	A. Schider.	759,756	May 10	2362	492	110	792
Switch-rod. Adjustable.	H. Elliot, Jr.	765,471	Aug. 22	4400	975	109	1008
Switch-rod mechanism.	H. G. Elfborg.	768,591	Aug. 30	5053	1061	111	2237
Switch-rod mechanism.	H. G. Elfborg.	768,592	Aug. 30	5057	1061	111	2237
Switch safety device. Point.	L. Dunn.	749,275	Jan. 12	1490	1317	108	359
Switch-shifter. Automatic.	L. Blower.	756,820	Apr. 12	1208	269	109	1618
Switch-socket and restoring-annunciator. Combined.	A. M. Knudsen.	759,383	May 10	1648	334	110	393
Switch-stand.	R. L. Brown.	750,800	Feb. 2	34	7	108	1064
Switch-stand.	G. E. Waterston and M. Smith.	760,044	May 17	2980	612	110	693
Switch-stand.	M. W. Long and J. M. Hoffer.	763,189	June 21	3124	671	110	2159
Switch-stand.	M. W. Long.	763,295	June 21	3316	718	110	2199
Switch-stand.	A. A. Strom.	777,447	Dec. 13	1923	425	113	1848
Switch-stand. High-sensaphore.	G. L. Mansfield.	768,060	Aug. 23	3910	821	111	1561
Switch-stand. Semaphore.	A. A. Strom.	767,088	Aug. 9	1974	411	111	1499
Switch-stand. Locking device for ground.	H. P. Smith.	765,517	July 19	3246	679	111	1731
Switch-throwing device.	W. B. Perry.	767,496	Aug. 16	2940	555	111	668
Switch-throwing mechanism.	W. F. Taylor, Jr.	748,812	Dec. 5	483	108	109	108
Switch-throwing mechanism.	A. Kollar and H. Young.	772,718	Oct. 18	3087	666	112	1652
Switches. Automatic circuit-breaker for electric time or other.	A. W. Hutchins.	755,297	Mar. 22	4069	902	109	938
Switches. Indicating means for snap electric.	C. G. Perkins.	751,750	Feb. 9	1789	408	108	1450
Switches operated by electromagnets. Controlling.	W. Grunow, Jr.	765,054	July 19	3502	739	111	792
Switching apparatus.	J. S. Goldberg.	750,845	Feb. 2	125	99	108	1085
Switching apparatus. Electrical.	W. J. Richards.	760,565	May 24	3930	835	110	933

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Switching mechanism	G. L. Mansfield. (Reissue)	12,216	May 3	1289	259	110	293
Switching mechanism. Electro fluid-pressure	W. J. Bell	764,836	July 12	1982	380	111	439
Switching mechanism. Electro fluid-pressure	W. J. Bell	765,263	July 19	2718	561	111	625
Switching mechanism. Electromechanical	W. J. Bell	749,835	Jan. 19	2876	566	108	620
Switchboard	A. Stromberg	752,722	Feb. 23	3686	821	108	1912
Switchboard apparatus	W. Kasling	763,404	June 28	3564	788	110	2276
Switchboard. Electrical	E. W. Müller	760,077	May 17	2988	624	110	708
Switchboard system. Multiple	W. M. Davis	752,761	Feb. 23	3748	836	108	1926
Swivel-joint	C. E. Fenstermacher	770,898	Sept. 27	3377	713	112	810
Synchronizer	L. Andrews	749,252	Jan. 12	1423	305	108	846
Synchronizing apparatus. Automatic	M. C. Canfield	766,584	Aug. 30	5082	1053	111	2331
Synchronizing device	N. E. Church	756,937	Apr. 12	1438	319	109	1665
Syringe	E. Bartsch	754,276	Mar. 8	2081	461	109	472
Syringe	H. M. Guild	757,654	Apr. 19	2906	632	109	1997
Syringe	T. B. Ellis	764,906	July 12	2240	463	111	505
Syringe	V. Pappenheim	772,114	Oct. 11	1812	402	112	1363
Syringe. Aseptic	H. A. Wulffing-Lüer	772,450	Oct. 18	2507	549	112	1539
Syringe. Fountain siphon	L. S. Grisell	778,311	Dec. 27	3668	800	113	2266
Syringe. Hypodermic	C. Witkowski	763,603	June 14	1949	421	110	1879
Syringe. Hypodermic	R. Walsh	766,208	Aug. 2	108	20	111	1665
Syringe. Hypodermic	R. Walsh	766,204	Aug. 2	109	20	111	1665
Syringe. Hypodermic	H. J. Detmers	767,686	Aug. 16	3131	654	111	1771
Syringe. Injection	A. Dreyer	764,564	July 12	1376	281	111	317
Syringe-needles. Metallic package for	R. W. Johnson	776,402	Nov. 29	5761	1233	113	1369
Syringe-nozzle	H. M. Clarke	777,182	Dec. 13	1418	314	113	1757
Syringe. Portable	J. Haigh	758,643	May 3	74	15	110	21
Syringe. Rectal	E. A. Gilbert	761,217	May 31	5265	1118	110	1239
Syringe. Subcutaneous	L. Reich	760,248	May 17	3330	700	110	784
Syringe. Vaginal	F. J. Gruss	750,276	Jan. 26	3450	745	108	818
Syringe. Vaginal	O. P. Moon	750,878	Feb. 2	191	44	108	1029
Syringe. Vaginal	W. S. Locke	752,352	Apr. 5	115	25	109	1366
Syringe. Vaginal	C. W. Meinecke	758,673	May 3	137	29	110	33
Syringe. Vaginal	H. T. Foote	766,106	July 26	4415	945	111	999
Syringe. Vaginal	H. Carstens	770,452	Sept. 20	2496	530	112	597
Syringe. Vaginal	E. E. Hall	774,386	Nov. 1	1631	350	113	1364
Syrup	J. J. Reed	758,359	Feb. 16	2967	—	108	1738
Syrup-cups, &c. Double lid for	J. L. Taylor	767,917	Aug. 16	3570	755	111	1867
Syrup. Purifying	M. Kowalski	768,130	Aug. 23	4099	—	111	2005
Table	J. Herzog	751,285	Feb. 2	957	217	108	1260
See Carrying-table. Ore-concentrating table.					218		
Concentrating-table. Remnant-table.							
ble. Saw-table.							
Extension-table. Spacing-table.							
Folding table. Surgeon's operating-table.							
Game-table. ble.							
Ice-table. Toilet-table.							
Ironing-table. Transfer-table.							
Kitchen-table. Voting-table.							
Operating-table. Work-table.							
Table	T. S. Usher	759,777	May 10	2402	502	110	560
Table	F. G. Dyer	765,567	July 19	3334	700	111	756
Table	J. Herzog	766,695	Aug. 2	1145	288	111	1295
Table	C. H. Nielsen	769,354	Sept. 6	437	98	112	96
Table	W. F. and C. P. Groll	775,006	Nov. 15	2888	617	113	682
Table	W. H. Gibbs	773,724	Nov. 22	4450	941	113	1057
Table and bed. Combined	L. C. Graessle	754,212	Mar. 8	1973	438	109	450
Table and desk. Combination	N. W. Selander	776,355	Nov. 29	5676	1201	113	1350
Table and desk. Combined	J. M. Wood	756,761	Apr. 5	1084	241	109	1574
Table and desk. Combined	W. H. O'Keefe	756,883	Apr. 12	1327	295	109	1642
Table and mangle. Combination	M. Aanensen	773,448	Oct. 25	4672	988	112	2035
Table, bed, washstand, &c. Combination	C. Reisch	762,600	June 14	1938	418	110	1877
Table-fountain. Portable	S. T. Oldridge	776,990	Dec. 6	937	201	113	1632
Table-leg attachment	J. F. Arnold	757,712	Apr. 19	3009	654	109	2019
Table-leg fastening	J. J. Gruender	772,462	Oct. 18	2539	557	112	1546
Table-lock	J. K. Kishel	759,312	May 10	1501	302	110	363
Table lock. Extension	A. L. Crandall	764,990	July 12	2230	461	111	504
Table lock. Extension	J. F. Arnold	772,019	Oct. 11	1605	364	112	1317
Table lock. Pedestal	C. S. Burton	754,196	Mar. 8	1921	428	109	440
Table lock. Pedestal	E. Tyden	754,399	Mar. 8	2367	516	109	534
Table lock. Pedestal	E. Tyden	765,644	July 19	3475	734	111	787
Table lock. Pedestal	E. Tyden	773,691	Nov. 1	803	67	113	72
Table-locking device	G. A. Davis	774,946	Nov. 1	1022	219	113	231
Table-locking device. Pedestal	C. S. Burton	759,966	May 17	2771	581	110	658
Table or counter cover attachment	A. A. Guardia	771,009	Sept. 27	3590	756	112	860
Tableware. Inlaying blanks for flat-metal	O. W. Warner	755,727	Mar. 29	4901	1091	109	1136
Tableware. Service	C. Snyder	776,363	Nov. 29	5650	1204	113	1354
Tablet	H. V. Lough	778,254	Dec. 27	3548	778	113	2241
Tablet. Writing	D. F. Curtin	755,625	Mar. 29	4693	1044	109	1078
Tablet. Writing	A. P. Jones	760,211	May 17	3267	685	110	768
Tablet. Writing	J. P. Dorr	768,980	Aug. 30	5844	1227	111	2413
Tabulator	C. A. Joerissen	777,286	Dec. 13	1606	336	113	1738
Tack-claw	G. C. Parish	758,017	Apr. 19	3605	780	109	2149
Tack-plate feeder	E. N. Reed	766,770	Aug. 2	1299	275	111	1330
Tack-puller	J. M. Ranck, Sr.	775,856	Nov. 22	4698	995	113	1109
Tacker. Hand	S. Beauregard	755,859	Mar. 29	5136	1136	109	1190

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Tacking-tool. Hand.....	H. B. Newton.....	778,600	Dec. 27	4244	924	113	2390
Tackle-block.....	H. L. Ferris.....	770,520	Sept. 30	2636	558	112	628
Tackle-block. Self-locking.....	J. O. Walton.....	756,747	Apr. 5	1064	287	109	1571
Tag.....	C. H. Kittredge.....	767,349	Aug. 9	2400	516	111	1604
Tag.....	B. G. Merrill.....	768,064	Aug. 23	3018	822	111	1963
Tag-clasp.....	S. Dancyger.....	751,377	Feb. 9	2254	507	108	1560
Tag-fastener.....	S. Dancyger.....	778,352	Dec. 27	3753	818	113	2283
Tag for merchandise. Price.....	W. Mills, Jr., and A. E. Meder.....	759,902	May 17	2648	555	110	630
Tag. Laundry.....	H. Higgin.....	777,207	Dec. 13	1463	324	113	1767
Tag. Laundry.....	W. M. Clawson.....	778,114	Dec. 20	3280	721	113	2164
Tag-making machine.....	J. C. Taft.....	752,601	Feb. 16	3433	767	108	1840
Tag-making machine.....	I. Robbins.....	771,747	Oct. 4	1021	768	112	1177
Tag or label holder.....	J. M. Waid.....	756,301	Apr. 5	218	45	109	1391
Tailor's block.....	F. L. McMullen.....	774,599	Nov. 8	2033	444	113	468
Talking-machine.....	E. T. Palmer.....	758,466	Apr. 26	4501	967	109	2365
Talking-machine.....	L. F. Valiquet.....	759,142	May 3	1089	221	110	247
Talking-machine.....	E. P. Valiquet.....	759,143	May 3	1094	221	110	247
Talking-machine.....	H. W. Johnson.....	769,606	Sept. 13	1069	230	112	261
Talking-machine.....	E. R. Johnson and W. C. Moore.....	773,290	Oct. 25	4343	917	112	1965
Talking-machine.....	N. L. Lewis.....	774,482	Nov. 8	1811	391	113	422
Talking-machine.....	H. B. McNulty.....	776,672	Dec. 6	411	92	113	1519
Talking-machine arm.....	H. E. Morgan.....	776,194	Nov. 29	5370	1137	113	1279
Talking-machine cabinet.....	R. E. Johnson.....	774,435	Nov. 8	1721	369	113	402
Talking-machine. Disk.....	J. Le Mon and F. C. von Heydebrand und der Lasa.....	778,543	Dec. 27	4123	898	113	2365
Talking-machine hollow sound-conveying tube.....	J. Jetter.....	776,183	Nov. 29	5351	1132	113	1276
Talking-machine horn.....	H. Sheble.....	759,639	May 10	2145	441	110	502
Talking-machine horn-support.....	C. J. Eichhorn.....	768,096	June 21	2937	633	110	2115
Talking-machine motors. Multispead device for.....	W. N. Dennison.....	755,852	Mar. 29	5163	1142	109	1196
Talking-machine self-adjusting arm.....	J. Jetter.....	759,977	Feb. 2	366	89	108	1138
Talking-machine sound-box.....	E. R. Johnson.....	753,274	Mar. 1	110	27	109	27
Talking-machine sound-box.....	C. J. English.....	766,141	July 26	4481	960	111	1014
Talking-machine turn-table.....	W. N. Dennison.....	765,462	July 19	3146	658	111	716
Talking-machine turn-table.....	E. R. Johnson.....	778,492	Dec. 27	4046	882	113	2348
Talking-machines. Combined regulator and brake for.....	W. N. Dennison.....	755,851	Mar. 29	5161	1141	109	1196
Tally device.....	L. L. Frost.....	757,908	Apr. 19	3390	734	109	2101
Tally. Progressive-score.....	W. L. Green.....	756,442	Mar. 15	2481	540	109	577
Tamper.....	J. Embleton.....	769,943	Sept. 13	1540	328	112	364
Tamping-machine.....	J. C. Moseley.....	760,905	May 24	4635	987	110	1086
Tank: See Beer-cooler tank. Ice-tank. Dispensing-tank. Jig-tank. Exhausting or test- ing tank. Measuring-tank. Fish-culture tank. Ore drainage and leach- ing tank. Flush-tank. Stock-tank. Flushing-tank. Storage-tank. Fuel-tank. Thawing-off tank. Grain-tank. Water-tank. Heating-tank. Water-tank.							
Tank.....	J. W. Wallace.....	755,971	Mar. 29	5392	1191	109	1247
Tank and heater.....	J. F. Bates.....	754,838	Mar. 15	3258	708	109	746
Tank-emptying apparatus. Liquid.....	M. J. Adams.....	760,770	May 24	4368	928	110	1029
Tank-filling alarm.....	C. Maul.....	753,600	Mar. 1	736	164	109	160
Tank-float holder.....	G. A. Blake.....	754,965	Mar. 22	3491	764	109	814
Tank-forming device.....	W. M. McNeil.....	760,911	May 24	4645	990	110	1088
Tank-heater.....	H. D. Meyer.....	758,143	Apr. 26	3861	838	109	2324
Tank-mold.....	W. A. Disotell.....	768,326	Aug. 23	4470	938	111	2085
Tank-signal.....	M. Lee.....	750,468	Jan. 26	3759	826	108	896
Tank-signaling attachment.....	B. F. Jackson.....	773,747	Nov. 1	408	89	113	97
Tanning.....	C. Noller.....	749,802	Jan. 19	2559	543	108	607
Tanning-bath.....	J. M. Brown and L. C. Smith.....	777,072	Dec. 13	1227	.....	113	1717
Tanning-drum.....	C. A. O. Rosell.....	759,831	May 10	2522	.....	110	585
Tanning-wheel.....	B. Allen, Jr.....	756,554	Apr. 5	704	.....	109	1491
Tap.....	B. Allen, Jr.....	756,553	Apr. 5	701	152	109	1491
Tap. Adjustable collapsing.....	H. E. Adt.....	761,409	July 5	1022	208	111	227
Tap. Automatic.....	H. H. Russell.....	765,906	July 26	4017	857	111	915
Tap. Barrel.....	C. Lewin.....	774,729	Nov. 8	2925	558	113	536
Tap. Barrel or cask.....	H. Fesenfeld.....	751,766	Mar. 15	3094	676	100	711
Tap. Bottle.....	M. Warren.....	773,175	Oct. 25	4113	869	112	1914
Tap. Bottle.....	J. A. Sherrard. (Reissue).....	12,800	Mar. 1	1238	279	109	266
Tap for barrels, casks, &c.....	E. Walker.....	757,794	Apr. 19	3180	692	109	2056
Tap or thread cutter.....	R. H. Salmons.....	775,609	Nov. 22	4219	888	113	1008
Tap. Vanishing thread.....	T. Dollard.....	775,672	Nov. 22	4358	919	113	1037
Taps, dies, &c. Machine for forming.....	H. R. Borie.....	764,550	July 12	1343	273	111	311
Taps to drums, &c. Means for attaching draw-off.....	A. M. S. Watts.....	760,801	May 17	3420	732	110	803
Tapping and drilling machine.....	F. Kohout.....	766,083	July 26	4463	936	111	988
Tapping apparatus.....	F. Kohout.....	760,878	May 24	4572	975	110	1072
Tapping device.....	F. Pentlarge and J. H. Vehr.....	767,658	Aug. 16	3082	645	111	1761
Tapping-machine.....	N. A. Smith and C. H. Pelton.....	754,618	Mar. 15	2814	614	109	648
Tapping-machine. Automatic reversing.....	G. A. Hoffman.....	774,357	Nov. 8	1587	339	113	374
Tapping-machine. Thread.....	G. B. Painter.....	766,376	Aug. 2	462	99	111	1142
Tape-holder.....	H. M. Wilson.....	763,235	June 21	3211	691	110	2177
Tape-holder.....	G. I. Herrick.....	756,634	Apr. 5	835	180	109	1519

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & C.	Vol.	Page.
Taping device	J. F. Middleton	762,739	June 14	2234	485	110	1940
Taper. Sanctuary	J. H. Boersig	756,322	Apr. 5	254	538	113	1398
Target	G. L. Tonnoftski	756,432	Apr. 5	487	102	109	1446
Target	H. M. Quackenbush	761,784	June 7	341	69	110	1515
Target apparatus	J. L. McCullough	764,367	July 5	949	191	111	211
Target apparatus	J. L. McCullough	768,536	Aug. 23	4902	1027	111	2185
Target. Electric self-registering	T. F. Oetjen	760,012	May 17	2864	600	110	679
Target-trap	F. North	752,407	Feb. 16	3067	680	108	1737
Target-trap	D. J. Schults	762,353	June 14	1428	309	110	1768
Target-trap carrier	G. D. Horst	766,997	Aug. 9	1785	374	111	1457
Target-trap discharging mechanism	P. North	767,707	Aug. 16	3168	663	111	1780
Target-trap-releasing means	S. A. Huntley	752,557	Feb. 16	3342	743	108	1819
Targets. Apparatus for signaling the value of shots on	T. Murray	775,761	Nov. 22	4515	957	113	1071
Targets on rifle-ranges. Means for operating	T. Murray	766,112	July 26	4425	948	111	1002
Tarpaulin, sheet, cover, and roof	T. N. Wylie and A. J. Henderson	718,620	Dec. 27	4280	934	113	2398
Tatfooting device	C. Wagner	768,413	Aug. 23	4670	103	111	2137
Taximeter or fare-indicator	B. Schneider	771,637	Dec. 20	2421	532	113	1990
Tea-kettle	W. B. Bulmer	754,046	Mar. 8	1649	367	109	279
Tea-kettle	G. T. Schultz	759,194	May 3	1198	244	110	271
Tea or coffee percolator	C. E. Ziegler	762,794	June 14	2339	510	110	1964
Tea-steeper. Portable	E. Totten and H. A. Kimball	761,559	May 31	5909	1266	110	1382
Teaching and practice of telegraphy. Instrument for the	C. E. Chinnock	773,374	Oct. 25	4512	954	112	3009
Teaching apparatus. Music	C. L. Dunning	762,990	June 21	2732	591	111	2069
Teaching device. Penmanship	F. C. Young	733,788	Mar. 1	1099	249	109	237
Teaching device. Penmanship	F. C. Young	757,383	Apr. 12	2344	511	109	1856
Teaching device. Penmanship	F. C. Young	764,970	July 12	2890	455	111	497
Teaching embroidery. Diagram system for	E. C. Wulle	778,162	Dec. 20	3365	739	113	2185
Teaching gun practice. Apparatus for	J. Whiteside	751,591	Feb. 9	1495	340	108	1396
Teaching reading and sending telegraph messages.	D. C. Williams	769,422	Sept. 6	4559	123	112	187
Teaching singing. Apparatus for	A. Gusinde	752,392	Feb. 23	3899	874	108	1958
Team-detaching device	F. M. Pearson and J. A. Hornsby	772,475	Oct. 18	2568	564	112	1551
Teat-cup	D. T. Sharples	766,847	Aug. 9	1496	312	111	1392
Teat-cup. Pneumatic	A. Gillies	774,579	Nov. 8	2001	435	113	461
Teeth and mouth. Casting impressions of the	W. M. Dailey	752,378	Feb. 16	3002	668	108	1746
Teeth bases. Strengtheners for vulcanite artificial	R. Walker	751,582	Feb. 9	1477	335	108	1392
Teeth. Filling	E. Bösch	759,498	May 10	1875	377	110	445
Teeth. Matrix-holding device for filling	C. M. Beam	776,736	Dec. 6	502	110	113	1588
Telegmatic issues. Device for treating	A. S. McCutchan	751,194	Feb. 9	765	174	108	1221
Telautographs. Device for use with	F. Ritchie	765,441	July 19	3088	646	111	704
Telegraph apparatus	F. G. Creed	749,031	Jan. 5	932	201	108	221
Telegraph apparatus	J. E. Carney	750,807	Feb. 2	41	9	108	1066
Telegraph apparatus. Electric	A. Falcone	753,690	Mar. 1	916	207	109	588
Telegraph apparatus. Facsimile	J. K. Schults	752,701	May 10	2251	466	110	523
Telegraph apparatus. Facsimile	E. K. Gruhn	759,987	May 17	2823	591	110	670
Telegraph apparatus. Wireless	J. Murgas	759,825	May 10	2508	524	110	582
Telegraph. Automatic fire and burglar alarm	R. G. Callum	758,736	May 3	316	62, 63	110	79
Telegraph call system	J. S. Snead and W. O. Ballard	771,676	Oct. 4	899	203	112	1152
Telegraph circuits. Composite system duplex	W. E. Athearn	778,297	Dec. 27	3642	735	113	3261
Telegraph instrument. Combinational	F. G. Barbosa	776,985	Dec. 6	1044	225	113	1659
Telegraph instrument. Receiving	C. R. Underhill	766,474	Aug. 2	664	142	111	1184
Telegraph-instrument stand	J. W. Leech	760,289	Jan. 26	3471	751	108	822
Telegraph instruments or the like. Apparatus for perforating tape for automatic	J. Gell	751,164	Feb. 2	703	161	108	1208
Telegraph-key	R. M. Wood	776,160	Nov. 29	5306	1123	113	1265
Telegraph-key attachment	D. A. Lawrence	772,893	Oct. 18	3374	734	112	1726
Telegraph-key. Self-closing	N. S. McKinsey and A. R. Nelson	776,536	Dec. 6	139	32	113	1453
Telegraph or other blank	S. Townsend	749,241	Jan. 12	1406	301	108	342
Telegraph. Page-printing	C. L. Buckingham and E. Germann	765,457	July 19	3126	655	111	711
Telegraph-pole	J. H. Purdy	752,259	Feb. 16	2776	616	108	1696
Telegraph-pole	E. F. Tafel	765,054	July 12	2352	487	111	528
Telegraph-pole	W. Schütz	775,637	Nov. 22	4287	905	113	1022
Telegraph. Printing	C. L. Healy	758,250	Apr. 26	4068	881	109	2268
Telegraph. Printing	J. C. Barclay	758,732	May 3	300	59	110	76
Telegraph. Printing	J. D. White	767,322	Aug. 9	2407	505	111	1591
Telegraph range-finder. Wireless	L. de Forest	749,436	Jan. 12	1816	381	108	430
Telegraph-receiver	L. Cerebotani	758,202	Apr. 26	3970	861	109	2248
Telegraph receiver. Printing	J. D. White	751,363	Feb. 2	1092	247	108	1290
Telegraph receiver. Printing	J. D. White	757,377	Apr. 12	2325	508	109	1854
Telegraph receiver. Printing	G. A. Cardwell	760,611	May 24	4020	855	110	955
Telegraph receiver. Wireless	L. de Forest	749,371	Jan. 12	1685	358	108	403
Telegraph receiving device. Wireless	J. S. Stone	767,971	Aug. 16	3692	778	111	1893
Telegraph-repeater	E. Ducretet	756,219	Apr. 5	55	13	109	1354
Telegraph signals. Apparatus for simultaneously transmitting and receiving space	W. E. Athearn	774,905	Nov. 15	2695	577	113	635
Telegraph signals. Receiving space	J. S. Stone	772,970	Aug. 16	3698	778	111	1891
Telegraph-sounder	J. S. Stone	767,972	Aug. 16	3698	779	111	1895
Telegraph-sounder attachment	J. F. Skirrow	760,209	May 17	2903	607	110	687
Telegraph-switchboard spring-jack	J. F. Mickey	770,184	Sept. 13	1970	419	112	459
Telegraph system	J. F. Skirrow	757,785	Apr. 19	3164	687	109	2032
	H. O. Rugh	757,558	Apr. 19	3254	567	109	1922

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Telegraph system.....	H. O. Rugh.....	757,504	Apr. 19	2588	567	109	1924
Telegraph system.....	A. C. Crehore.....	773,198	Oct. 25	4157	878	112	1924
Telegraph system. Electric.....	C. Adams-Randall.....	752,923	Dec. 23	4093	912	108	2003
Telegraph system. Multiplex.....	H. Shoemaker.....	777,312	Feb. 13	1657	368	113	1810
Telegraph-system receiving instrument. Printing.....	W. R. Landfear.....	765,978	July 26	4156	887	111	945
Telegraph system. Wireless.....	G. Marconi.....	757,559	Apr. 19	2704	591	109	1950
Telegraph-tape-perforating machine.....	C. L. Buckingham and E. German.....	765,456	July 19	3120	653	111	711
Telegraph-transmitter.....	C. Adams-Randall.....	758,232	Apr. 26	4026	874	109	2259
Telegraph-transmitter.....	W. J. Roussel.....	761,917	June 7	612	122	110	1575
Telegraph-transmitter.....	J. F. X. Trotier.....	763,082	June 21	2910	627	110	2110
Telegraph-transmitters. Perforator for automatic.....	J. Gell.....	751,162	Feb. 2	695	160	108	1207
Telegraph-transmitters. Perforator for use with automatic.....	J. Gell.....	751,161	Feb. 2	690	161	108	1206
Telegraph. Wireless.....	R. L. de Moura.....	775,846	Nov. 22	4679	991	113	1105
Telegraph-wires, &c. Post for supporting.....	L. Griveaud.....	761,294	May 31	5429	1154	110	1273
Telegraphic apparatus.....	C. Méray-Horváth.....	766,369	Aug. 2	451	96	111	1139
Telegraphic instrument.....	A. R. Dickey.....	776,430	Aug. 2	365	888	111	1163
Telegraphic key.....	J. E. Pearson.....	778,067	Dec. 20	3189	702	113	2145
Telegraphic key. Interchangeable.....	W. C. Dean.....	770,628	Sept. 20	2834	601	112	672
Telegraphic perforators and transmitters. Feed-wheel for automatic.....	J. Gell.....	751,163	Feb. 2	701	161	108	1208
Telegraphic receiving apparatus.....	F. G. Creed.....	749,033	Jan. 5	963	203	108	224
Telegraphic receiving system by means of Hertzian waves.....	O. Rocheport.....	773,340	Oct. 25	4445	942	112	1967
Telegraphic transmitter.....	W. E. Miller, Sr.....	764,815	July 12	1887	387	111	429
Telegraphic transmitter.....	H. G. Martin.....	767,303	Aug. 9	2376	407	111	1585
Telegraphic transmitter.....	A. C. Gilmore.....	774,724	Nov. 8	2302	498	113	531
Telegraphic-transmitting-tape perforator.....	P. B. Delany.....	776,119	Nov. 29	5229	1105	113	1247
Telegraphing means.....	J. Beard.....	770,792	Sept. 27	3155	668	112	761
Telegraphy.....	H. O. Rugh.....	757,505	Apr. 19	2590	568	109	1951
Telegraphy.....	F. W. Jones.....	766,189	Aug. 2	66	13	111	1055
Telegraphy.....	T. B. Dixon.....	778,177	Dec. 20	3399	748	113	2190
Telegraphy. Apparatus employed in wireless.....	J. A. Fleming.....	758,005	Apr. 19	3570	773	109	2141
Telegraphy. Apparatus for wireless.....	G. Marconi.....	763,772	June 28	4251	926	110	2423
Telegraphy. Device for wireless.....	J. A. Fleming.....	758,004	Apr. 19	3564	772	109	2140
Telegraphy. Duplex wireless.....	L. de Forest.....	772,879	Oct. 18	3842	728	112	1719
Telegraphy. Generating set for wireless.....	L. de Forest.....	749,435	Jan. 12	1815	381	108	429
Telegraphy. Multiplex.....	S. D. Field.....	755,646	Mar. 29	4728	1051	109	1095
Telegraphy. Multiplex.....	S. D. Field.....	755,647	Mar. 29	4734	1053	109	1096
Telegraphy. Multiplex.....	J. J. Ghegan.....	757,736	Apr. 19	3056	667	109	2028
Telegraphy. Multiplex.....	T. B. Dixon.....	778,120	Dec. 20	3990	723	113	2167
Telegraphy or transmission through space. Wireless.....	A. Artom.....	770,668	Sept. 20	2918	620	112	693
Telegraphy. Perforating.....	F. G. Creed.....	749,032	Jan. 5	955	201	108	222
Telegraphy. Quadriplex.....	J. C. Barclay.....	772,306	Oct. 18	2401	527	112	1516
Telegraphy. Receiver for wireless.....	O. J. Lodge, A. Muirhead, and E. E. Robinson.....	763,829	June 14	2416	526	110	1980
Telegraphy. Space.....	J. S. Stone.....	767,975	Aug. 16	3711	781	111	1897
Telegraphy. Space.....	J. S. Stone.....	767,976	Aug. 16	3714	781	111	1898
Telegraphy. Space.....	J. S. Stone.....	767,977	Aug. 16	3717	782	111	1899
Telegraphy. Space.....	J. S. Stone.....	767,978	Aug. 16	3721	782	111	1899
Telegraphy. Space.....	J. S. Stone.....	767,979	Aug. 16	3722	782	111	1899
Telegraphy. Space.....	J. S. Stone.....	767,980	Aug. 16	3726	783	111	1900
Telegraphy. Space.....	J. S. Stone.....	767,981	Aug. 16	3729	783	111	1900
Telegraphy. Space.....	J. S. Stone.....	767,982	Aug. 16	3732	783	111	1901
Telegraphy. Space.....	J. S. Stone.....	767,983	Aug. 16	3737	783	111	1902
Telegraphy. Space.....	J. S. Stone.....	767,984	Aug. 16	3738	784	111	1903
Telegraphy. Space.....	J. S. Stone.....	767,985	Aug. 16	3743	784	111	1904
Telegraphy. Space.....	J. S. Stone.....	767,986	Aug. 16	3744	784	111	1904
Telegraphy. Space.....	J. S. Stone.....	767,987	Aug. 16	3746	785	111	1904
Telegraphy. Space.....	J. S. Stone.....	767,988	Aug. 16	3747	785	111	1905
Telegraphy. Space.....	J. S. Stone.....	767,989	Aug. 16	3750	785	111	1905
Telegraphy. Space.....	J. S. Stone.....	767,990	Aug. 16	3753	785	111	1906
Telegraphy. Space.....	J. S. Stone.....	767,991	Aug. 16	3755	786	111	1906
Telegraphy. Space.....	J. S. Stone.....	767,992	Aug. 16	3757	786	111	1907
Telegraphy. Space.....	J. S. Stone.....	767,993	Aug. 16	3760	786	111	1907
Telegraphy. Space.....	J. S. Stone.....	767,994	Aug. 16	3763	786	111	1908
Telegraphy. Space.....	J. S. Stone.....	767,995	Aug. 16	3772	790	111	1910
Telegraphy. Space.....	J. S. Stone.....	767,996	Aug. 16	3778	791	111	1910
Telegraphy. Space.....	J. S. Stone.....	767,997	Aug. 16	3782	791	111	1911
Telegraphy. Space.....	J. S. Stone.....	767,998	Aug. 16	3785	791	111	1912
Telegraphy. Space.....	J. S. Stone.....	767,999	Aug. 16	3788	792	111	1913
Telegraphy. Space.....	J. S. Stone.....	768,000	Aug. 16	3790	792	111	1913
Telegraphy. Space.....	J. S. Stone.....	768,001	Aug. 16	3792	792	111	1914
Telegraphy. Space.....	J. S. Stone.....	768,002	Aug. 16	3794	793	111	1914
Telegraphy. Space.....	J. S. Stone.....	768,003	Aug. 16	3798	793	111	1915
Telegraphy. Space.....	J. S. Stone.....	768,004	Aug. 16	3800	793	111	1916
Telegraphy. Space.....	J. S. Stone.....	768,005	Aug. 16	3807	794	111	1918
Telegraphy. Spark.....	A. Slaby and G. G. Arco.....	750,496	Jan. 26	3548	836	108	907

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g	Vol.	Page.
Telegraphy. Submarine	I. Kitsee	763,908	June 28	4328	988	110	2481
Telegraphy. Submarine	I. Kitsee	777,359	Dec. 13	1558	.....	113	1788
Telegraphy. System of	J. L. Creveling	761,450	May 31	5720	121	110	1341
Telegraphy. Wireless	L. de Forest	749,372	Jan. 12	1687	359	108	404
Telegraphy. Wireless	F. J. Green	758,006	Apr. 19	3572	773	109	2142
Telegraphy. Wireless	L. de Forest	758,517	Apr. 26	4604	991	109	2389
Telegraphy. Wireless	J. F. King	758,842	May 3	521	106	110	124
Telegraphy. Wireless	J. Murgas	759,826	May 10	2511	525	110	583
Telegraphy. Wireless	C. K. Salisbury	761,256	May 31	5344	1186	110	1257
Telegraphy. Wireless	W. S. Hogg	763,593	June 28	4491	979	110	2474
Telegraphy. Wireless	L. D. Wildman	764,093	July 5	364	70	111	80
Telegraphy. Wireless	L. D. Wildman	764,094	July 5	368	70	111	80
Telegraphy. Wireless	H. C. Snook	768,778	Aug. 30	5420	1142	111	2317
Telegraph for steering ships or other uses.	M. Pfatischer	769,916	Sept. 13	1479	316	112	351
Telephone	E. T. Billig	751,829	Feb. 9	1949	442	108	1491
Telephone	S. C. Houghton	753,493	Mar. 1	512	118	109	113
Telephone	M. C. Burt	754,968	Mar. 22	3495	765	109	815
Telephone	J. Trowbridge	756,437	Apr. 5	498	104	109	1448
Telephone	J. W. Mead, H. A. Mackie, and M. Van Buren	764,139	July 5	450	88	111	98
Telephone	J. W. Kurtz	768,185	Aug. 23	4196	882	111	2025
Telephone	W. B. Churcher	769,304	Sept. 6	343	78	112	74
Telephone	K. Weman	771,343	Oct. 4	239	53	112	1012
Telephone apparatus	O. M. Frykman	778,409	Dec. 27	3876	345	113	2312
Telephone apparatus. Coin-controlled	S. J. Larned	751,081	Feb. 2	548	138	108	1179
Telephone apparatus. Electrical	P. H. Fisk	757,609	Apr. 19	2807	613	109	1974
Telephone-apparatus locking device	S. J. Larned and J. S. Ford	749,288	Jan. 12	1721	361	108	410
Telephone attachment	G. B. Buchanan	752,649	Feb. 23	3548	790	108	1881
Telephone attachment	J. Blum	754,041	Mar. 8	1640	365	109	377
Telephone attachment	G. Königstein	756,508	Apr. 5	622	139	109	1473
Telephone attachment	S. C. Houghton and F. M. Potter, Jr.	759,280	May 10	1441	287	110	350
Telephone attachment	G. A. Cowgill	761,150	May 31	5140	1092	110	1210
Telephone attachment	F. H. Chamberlin and R. H. Coleman	766,929	Aug. 9	1665	349	111	1431
Telephone attachment	W. S. Haddock	769,863	Sept. 13	1391	296	112	338
Telephone attachment	H. G. Addie	777,172	Dec. 13	1402	310	113	1754
Telephone-book support and note-paper-supply device. Combined	A. D. Irving	749,141	Jan. 5	1196	256	108	277
Telephone-booth electric light. Automatic	J. L. Bolan	764,792	July 12	1837	376	111	418
Telephone-box	C. C. Hughes	766,354	Aug. 2	429	91	111	1135
Telephone-cabinet	W. B. Altick	756,091	Mar. 29	5612	1239	109	1293
Telephone call attachment	J. J. Nye	756,183	Mar. 29	5764	1273	109	1325
Telephone call-bells. Electrical alarm for	J. W. Fouché	774,059	Nov. 1	1045	224	113	286
Telephone-call generator	E. H. Strauss	759,836	May 10	2530	530	110	587
Telephone-call instrument	E. W. E. Tompson	762,364	June 14	1450	315	110	1773
Telephone call mechanism. Selective	H. I. Hawthurst	766,945	Aug. 9	1694	355	111	1438
Telephone call-recorder	H. Abbott	771,853	Oct. 11	1254	281	112	1242
Telephone call-register and time-indicator	E. K. Hertford	771,548	Oct. 4	657	146	112	1099
Telephone call-register and time-indicator	D. A. Yoder	777,764	Dec. 20	2543	564	113	2017
Telephone call teller	H. M. Hille	775,921	Nov. 29	4827	1023	113	1155
Telephone central-exchange instalment	R. M. Beard	767,033	Aug. 9	1844	388	111	1470
Telephone-chair	G. J. Just	777,954	Dec. 20	2970	653	113	2101
Telephone-circuit	W. W. Jacques	767,818	Aug. 16	3378	715	111	1826
Telephone-circuit	J. W. H. MacLagan	778,392	Dec. 27	3685	804	113	2270
Telephone-circuit protective device	M. C. Rorty and G. K. Thompson	761,916	June 7	908	122	110	1574
Telephone-circuits. Selective signaling for poly-station	B. Stryker	756,296	Apr. 5	206	43	109	1388
Telephone-climber's seat	J. E. Bennett	758,200	Apr. 26	3967	800	109	2247
Telephone counting system	J. H. Meyer	755,515	Mar. 22	4468	993	109	1022
Telephone-currents. Apparatus for amplifying or reinforcing	J. J. O'Connell	760,143	May 17	3135	656	110	739
Telephone cut-out switch	J. R. and C. A. Harris	772,936	Oct. 25	3471	732	112	1765
Telephone desk set	H. P. Clausen	758,031	Apr. 19	3631	785	109	2154
Telephone desk set	P. C. Burns	765,064	July 12	2376	493	111	532
Telephone-desk standard	C. L. Boyce	770,157	Sept. 13	1917	408	112	449
Telephone. Electric	E. Gundlach	751,501	Feb. 9	1321	302	108	1358
Telephone. Electric	E. Gundlach	762,820	June 14	2299	532	110	1976
Telephone escutcheon-plate and lock	K. Weman	772,986	Oct. 25	3568	773	112	1788
Telephone-exchange	N. E. Norstrom	748,980	Jan. 5	841	178	108	195
Telephone-exchange	F. A. Lundquist and J. K. Norstrom	749,308	Jan. 12	1557	359	108	375
Telephone-exchange	N. E. Norstrom	749,824	Jan. 19	2597	554	108	616
Telephone-exchange	C. A. Anderson	759,492	May 10	1862	375	110	443
Telephone-exchange apparatus	J. S. Ford	768,039	Aug. 23	3865	810	111	1950
Telephone-exchange. Automatic	F. A. Lundquist	776,524	Dec. 6	96	23	113	1446
Telephone-exchange busy signal	J. L. McQuarrie	777,301	Dec. 13	1632	363	113	1804
Telephone-exchange connection-counter	C. E. Scribner. (Reissue)	12,232	June 21	3407	741	110	2320
Telephone-exchange multiple switchboard	M. G. Kellogg	773,506	Oct. 25	4896	1013	112	2063
Telephone-exchange ringer system	T. C. Drake	763,971	July 5	72	12	111	33

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Telephone-exchange. Semi-automatic	E. A. Faller	757,031	Apr. 12	1646	357	109	1708
Telephone-exchange service-meter	C. E. Scribner and F. R. McBERTY	765,335	July 19	2704	563	111	621
Telephone-exchange service-meter	J. L. McQuarrie	766,375	Aug. 9	461	98	111	1142
Telephone-exchange signaling system	C. E. Scribner	763,803	June 28	4330	940	110	2438
Telephone-exchange switchboard apparatus	F. R. McBERTY	769,760	Sept. 13	1183	255	112	285
Telephone-exchange switchboard apparatus	J. L. McQuarrie	778,599	Dec. 27	4242	923	113	2390
Telephone-exchange switching apparatus	E. H. Smythe	753,927	Mar. 8	1431	322	109	390
Telephone-exchange system	C. E. Scribner	760,573	May 24	3945	837	110	999
Telephone-exchange system	J. P. Dowds	765,822	July 26	3871	824	111	882
Telephone-exchange system	I. Kitsee	766,450	Aug. 2	603	138	111	1172
Telephone-exchange system	W. M. Davis	770,268	Sept. 20	2139	449	112	515
Telephone-exchange system	W. M. Davis	770,369	Sept. 20	2144	449	112	516
Telephone-exchange system	C. E. Scribner	772,833	Oct. 18	3250	710	112	1698
Telephone-exchange system	J. L. McQuarrie	772,900	Oct. 18	3393	736	112	1730
Telephone-exchange system	H. G. Webster	775,226	Nov. 15	3362	716	113	791
Telephone-exchange system	H. G. Webster	775,227	Nov. 15	3371	716	113	794
Telephone-exchange system	H. G. Webster	775,228	Nov. 15	3382	716	113	800
Telephone-exchange system	H. G. Webster	775,229	Nov. 15	3383	717	113	802
Telephone-exchange system	E. H. Smythe	776,435	Nov. 29	3299	1233	113	1385
Telephone-exchange system and apparatus. Auto- matic	A. M. Bullard and L. A. Falk	772,023	Oct. 11	1609	365	112	1318
Telephone-exchange system and apparatus. Auto- matic	A. M. Bullard and L. A. Falk	772,024	Oct. 11	1628	366	112	1322
Telephone-exchange toll apparatus	F. R. McBERTY	753,903	Mar. 8	1375	310	109	317
Telephone-exchange trunk-circuit apparatus	C. A. Crapo	772,871	Oct. 18	3324	726	113	1716
Telephone-exchange trunk-line	F. R. McBERTY	772,898	Oct. 18	3386	735	112	1728
Telephone-exchanges. Call-signal apparatus for	W. W. Dean	771,897	Oct. 11	1357	300	102	1263
Telephone-exchanges. Counter for registering calls for automatic	J. Erickson	772,459	Oct. 18	3827	554	112	1543
Telephone-exchanges. Measured-service system for	F. R. McBERTY and J. L. McQuarrie	771,996	Oct. 11	1561	350	112	1306
Telephone-exchanges. Multiple switchboard for	M. G. Kellogg	776,067	Nov. 29	5127	1084	113	1224
Telephone-exchanges. Multiple switchboard for	M. G. Kellogg	776,068	Nov. 29	5132	1085	113	1225
Telephone hook-switch	E. E. Yaxley	749,977	Jan. 19	2884	617	108	677
Telephone hook-switch	C. T. Mason	767,584	Aug. 16	2941	616	111	1730
Telephone instrument	A. C. Christopher	758,415	Apr. 26	4415	948	109	2345
Telephone instrument. Portable or table	L. M. Ericsson	753,563	Mar. 1	667	149	109	147
Telephone jack-field	L. M. Ericsson	753,562	Mar. 1	667	150	109	147
Telephone lamp-jack	H. P. Clausen	762,273	June 14	1278	275	110	1738
Telephone-line apparatus	C. E. Scribner and J. L. McQuarrie	758,703	May 3	189	39	110	45
Telephone-line service-meter	C. E. Scribner and F. R. McBERTY	755,054	Mar. 22	3636	798	109	846
Telephone-line service-meter	F. R. McBERTY	755,308	Mar. 22	4091	905	109	941
Telephone-line service-meter	C. E. Scribner	776,429	Nov. 29	5819	1232	113	1383
Telephone-line switching mechanism. Intercom- municating	A. K. Andriano and H. Herbstreit	771,114	Sept. 27	3801	803	112	905
Telephone locking mechanism	R. W. Goeb	766,241	Aug. 2	196	39	111	1084
Telephone memorandum attachment	R. W. Thompson	765,213	July 19	2636	549	111	608
Telephone memorandum-holder	E. W. Byers	756,470	Apr. 5	563	117	109	1462
Telephone messages. Apparatus for transmitting	E. W. Day	766,325	Aug. 2	158	29	111	1077
Telephone-meter	H. Abbott	772,308	Oct. 11	2208	483	112	1452
Telephone. Office-desk	A. R. Fergusson	758,804	Apr. 26	4197	485	109	2298
Telephone or like circuit contact	W. A. W. E. Hjorth	769,084	Aug. 30	6087	1265	111	2455
Telephone or microphone casing	P. Hardegen	753,391	Mar. 1	318	72	109	72
Telephone or telegraph system	R. Hamilton	753,067	Feb. 23	4376	974	108	2067
Telephone or telegraph system	T. W. Gleeson and R. Hamilton	754,211	Mar. 8	1963	437	109	449
Telephone or telegraph system	F. E. Denzer and W. W. Black	769,806	Sept. 6	347	78, 79	112	75
Telephone or the like receiver	D. W. Troy	774,923	Nov. 15	2734	585	113	643
Telephone pay-station toll-collecting appliance	F. R. McBERTY	774,265	Nov. 8	1413	302	113	335
Telephone-receiver	M. R. Hutchison	751,344	Feb. 2	1058	211	108	1283
Telephone-receiver	E. H. Strauss	758,795	May 3	436	87	110	107
Telephone-receiver	J. I. Gemmill	759,095	May 3	1008	204	110	228
Telephone-receiver	W. C. Runge	759,316	May 10	1507	303	110	364
Telephone-receiver	R. H. Manson	769,658	Sept. 6	980	213	112	223
Telephone-receiver adjustable support	G. W. Sebastian	773,254	Nov. 15	3347	713	113	816
Telephone receiver and transmitter bracket. Com- bined	H. A. Barnes and N. E. Showace	774,773	Oct. 18	3156	687	112	1677
Telephone receiver and transmitter. Combined	J. G. Holmström	768,755	June 28	4224	921	110	2418
Telephone-receiver support	H. L. Goodwin	754,556	Mar. 15	2702	587	109	635
Telephone-receiver support	J. A. Brown	757,257	Apr. 12	2070	452	109	1301
Telephone-receiver-supporting means	F. W. St. John	771,946	Oct. 11	1465	333	112	1284
Telephone-register	G. S. Nickum	774,991	Nov. 15	2863	611	113	677
Telephone-repeater	M. Gally	753,252	Mar. 1	68	18	109	17
Telephone-repeater	D. H. Wilson	766,155	July 26	4519	966	111	1022
Telephone repeater and system	S. P. Levenberg	774,224	Mar. 8	1992	493	109	455
Telephone sanitary attachment	H. L. Thompson	756,543	Apr. 5	688	148	109	1488
Telephone sanitary rotating diaphragm	S. Churchill-Otton	776,112	Nov. 29	5213	1101	113	1243
Telephone selecting device	W. D. Watkins	758,183	Feb. 23	4374	1020	108	2111
Telephone selecting device	L. E. Brock	756,824	Apr. 12	1218	272	109	1621
Telephone selecting device	W. M. James	761,888	June 7	557	111	110	1564
Telephone selective system	N. S. McKinsey and A. R. Nelson	755,691	Mar. 29	4909	1070	109	1113
Telephone-service apparatus	U. S. Jackson	750,769	Jan. 26	4422	953	108	1029
Telephone-service apparatus	U. S. Jackson	750,770	Jan. 26	4424	954	108	1030
Telephone service-meter	F. R. McBERTY	777,217	Dec. 13	1482	328	113	1770
Telephone signaling device	D. M. Bliss	773,187	Oct. 25	4135	873	112	1919
Telephone signaling mechanism	O. O. Lee	752,909	Feb. 23	4041	905	108	1991

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Telephone. Single-wire selective signaling and intercommunicating	J. A. Brown	770,556	Sept. 20	2706	573	112	944
Telephone substation outfit	E. E. Vaxley	769,125	Aug. 30	6129	1292	111	2476
Telephone-support	H. O. Othoudt and W. F. Stahl	757,340	Apr. 12	2257	492	109	1840
Telephone support and switch	F. R. McBerty	767,469	Aug. 16	2749	577	111	1687
Telephone-switch and lock-out mechanism for interconnecting lines. Individual	A. K. Adriano and H. Herbstritt (Reissue.)	12,940	July 19	3508	739	111	793
Telephone switching and signaling apparatus	M. C. Rorty	750,704	Jan. 26	4242	922	108	967
Telephone-switchboard apparatus	J. L. McQuarrie	761,688	June 7	152	29	110	1472
Telephone-switchboard apparatus	C. E. Scribner	761,652	June 7	486	98	110	1548
Telephone-switchboard apparatus	E. H. Smythe	764,690	July 12	1633	334	111	373
Telephone-switchboard apparatus	F. R. McBerty	764,754	July 12	1754	357	111	400
Telephone-switchboard apparatus	F. R. McBerty	772,896	Oct. 18	3380	735	112	1727
Telephone-switchboard circuit-changing device.	W. E. McCormick	764,143	July 5	460	90	111	100
Telephone-switchboard-circuit party-line ringing device.	J. W. Lattig and C. L. Goodrum	767,573	Aug. 16	2920	611	111	1725
Telephone-switchboard plug	F. D. Pearne	750,689	Jan. 26	4216	914	108	981
Telephone-switchboard plug-ejecting jack	R. G. Dunfee	750,953	Feb. 2	330	78	108	1181
Telephone-switchboard ringing key	F. R. McBerty	751,330	Feb. 9	1382	302	108	1371
Telephone-switchboard ringing key	C. E. Scribner	751,566	Feb. 9	1448	329	108	1386
Telephone-switchboard secrecy system	E. H. Smythe	756,424	Apr. 5	470	97	109	1443
Telephone-switchboard signal	F. R. McBerty and J. L. McQuarrie	762,337	June 14	1402	303	110	1763
Telephone-switchboard signal apparatus	D. C. Tanner	759,771	May 10	2390	499	110	557
Telephone-switchboard signaling apparatus	H. H. Smythe	759,641	May 10	2148	302	110	503
Telephone-switchboard signaling apparatus	E. H. Smythe	759,762	May 10	2370	434	110	552
Telephone-switchboard signaling apparatus	F. R. McBerty and J. L. McQuarrie	762,336	June 14	1399	303	110	1763
Telephone-switchboard signaling apparatus	F. R. McBerty	774,332	Nov. 8	1543	331	113	364
Telephone-switchboard spring-jack	M. S. Conner	756,331	Apr. 5	274	57	109	1401
Telephone-switchboard supervisory signal	J. L. McQuarrie	762,432	June 15	1385	347	111	1503
Telephone-switchboard supervisory signal	F. R. McBerty	772,329	Oct. 18	3389	735	112	1729
Telephone-switchboard supervisory signal apparatus.	J. L. McQuarrie	768,617	Aug. 30	5103	1072	111	2247
Telephone-switchboard switch or ringing key	L. M. Ericsson	770,424	Sept. 20	2445	517	112	586
Telephone-switchboards. Plug-seat switch for	W. Kaissling	765,469	July 19	3201	609	111	728
Telephone-switchboards. Supervisory signal apparatus for	E. H. Smythe	758,116	Apr. 26	3811	827	109	2312
Telephone system	H. Redmon, R. L. Hall, and R. H. Conway	749,325	Jan. 12	1385	296	108	338
Telephone system	A. D. T. Libby	749,305	Jan. 12	1548	328	108	371
Telephone system	R. Hamilton	755,808	Mar. 20	5189	1149	109	1202
Telephone system	W. M. Dean	758,023	May 3	25	8	110	11
Telephone system	W. M. Davis	763,374	June 25	3500	756	110	2262
Telephone system	W. M. Davis	766,223	Aug. 2	147	28	111	1073
Telephone system	F. R. Parker	767,953	Aug. 16	2649	771	111	1683
Telephone system	R. M. Eaton	773,007	Oct. 25	3603	780	112	1794
Telephone system	W. R. Whitehorne	775,291	Nov. 15	3293	704	113	766
Telephone system	G. M. Crockett	775,321	Nov. 22	4009	846	113	962
Telephone system	C. Adams-Randall	777,324	Dec. 13	1683	373	113	1616
Telephone system	J. G. Roberts	777,344	Dec. 13	3114	464	113	1908
Telephone system and apparatus	E. E. Ries	777,807	Dec. 20	3648	583	113	2038
Telephone system and apparatus therefor	W. C. Runge	776,090	Nov. 29	5175	1093	113	1234
Telephone system. Automatic	J. K. Norstrom and J. J. Brownrigg	752,251	Feb. 16	2756	612	108	1692
Telephone system. Automatic	J. C. Slater	760,711	May 24	4236	901	110	1001
Telephone-system auxiliary apparatus.	W. W. Dean	765,768	July 26	3757	800	111	857
Telephone system. Central-energy	J. W. Lattig and C. L. Goodrum	763,911	June 28	4534	989	110	2482
Telephone system. Central-energy	K. B. Miller	749,738	Jan. 19	2550	542	108	605
Telephone system. Central-energy	J. H. Lendi	751,797	Feb. 9	1871	426	108	1473
Telephone system. Long-distance	K. B. Miller	774,770	Nov. 15	2406	519	113	372
Telephone system. Party-line	M. Beck	756,813	Apr. 12	1198	267	109	1616
Telephone system. Party-line	T. C. Drake	763,970	July 5	61	11	111	19
Telephone system. Party-line	T. C. Drake	768,282	Aug. 23	4366	919	111	2063
Telephone system. Party-line	F. Vollmer	774,543	Nov. 8	1924	418	113	445
Telephone system. Party-line	W. Parker	777,429	Dec. 13	1886	416	113	1860
Telephone system. Selective party-line	A. J. Springborn	761,616	May 31	1031	1291	110	1407
Telephone-system signaling device.	H. T. Cedergren	772,782	Oct. 18	3167	659	112	1679
Telephone-system supervisory apparatus	W. W. Dean	773,569	Dec. 27	4117	911	113	2376
Telephone system. Two-wire multiple	J. W. Lattig and C. L. Goodrum	769,701	Sept. 13	1079	231	112	263
Telephone systems. Attachment for party-line	W. A. Shackelford	774,608	Nov. 8	2046	447	113	471
Telephone systems. Means for synchronizing the instruments of	H. Redmon, R. L. Hall, and R. H. Conway	752,710	Feb. 23	3664	816	108	1907
Telephone talking-holder	J. W. Carrier	778,448	Dec. 27	3953	859	113	2327
Telephone talking-circuits. Device for connecting and disconnecting	A. L. Brucklé	776,290	Nov. 29	5551	1175	113	1321
Telephone time metering charge	I. Kitsee	774,082	Nov. 1	1087	233	113	245
Telephone toll apparatus	G. A. Long	753,411	Mar. 1	351	80, 81	109	78
Telephone toll apparatus	E. B. Fahnestock	753,412	Mar. 1	355	82	109	1073
Telephone toll apparatus	G. A. Long	777,525	Dec. 13	2070	456	113	1899
Telephone toll apparatus. Register and alarm mechanism for	G. A. Long	770,377	Sept. 20	2366	499	112	569
Telephone toll-line system	W. W. Dean	771,972	Oct. 11	1507	340	112	1204
Telephone toll-register and electrical system for controlling same	H. D. Stroud	764,963	July 12	2157	433	111	495
Telephone transmission	I. Kitsee	766,503	Aug. 2	739	154	111	1201
Telephone-transmitter	C. F. Bennett	748,690	Jan. 5	264	61	108	58
Telephone-transmitter	P. G. Randall	749,448	Jan. 12	1861	387	108	497
Telephone-transmitter	E. B. Fahnestock	750,835	Feb. 2	104	24	108	1073
Telephone-transmitter	J. A. Williams	755,091	Mar. 22	3703	813	109	862
Telephone-transmitter	W. L. Wilhelm	757,799	Apr. 19	3185	692	109	2057
Telephone-transmitter	J. I. Gemmill	759,094	May 3	1001	204	110	227
Telephone-transmitter	A. W. Hill	759,441	May 10	1757	355	110	418
Telephone-transmitter	D. C. Jackson	764,055	July 5	281	54	111	64

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Telephone-transmitter.	W. Kaisling.	765,488	July 19	3198	668	111	727
Telephone-transmitter.	A. Gamache.	766,821	Aug. 9	1437	300	111	1579
Telephone-transmitter.	C. W. Harper.	767,783	Aug. 16	3238	638	111	1796
Telephone-transmitter.	A. J. Mundy.	768,569	Aug. 23	4985	1044	111	2202
Telephone-transmitter.	J. W. Lattig and C. L. Goodrum.	769,702	Sept. 13	1082	232	112	263
Telephone-transmitter.	G. W. Talley.	776,960	Dec. 6	1007	215	113	1650
Telephone-transmitter.	E. E. Ries.	777,808	Dec. 20	2054	584	113	2038
Telephone-transmitter hanger.	M. Setter.	758,184	Feb. 16	2620	581	108	1660
Telephone-transmitter hood.	R. D. Fannon.	759,428	May 10	1737	351	110	413
Telephone-transmitter mouthpiece.	I. S. Ashe.	772,310	Oct. 11	2217	486	112	1454
Telephone-transmitter mouthpiece.	H. Baethig.	777,057	Dec. 13	2220	496	113	1938
Telephone-transmitter sanitary attachment.	F. R. McBerry.	772,583	Dec. 13	2210	484	112	1329
Telephone-transmitters. Detachable and antiseptic mouthpiece for.	C. D. Wright.	770,410	Sept. 20	2420	511	112	581
Telephone-transmitters. Protecting-diaphragm for.	W. M. Bashlin.	774,929	Nov. 15	2738	587	113	648
Telephone-trunk-line apparatus.	E. H. Smythe.	774,283	Nov. 8	1449	311	113	343
Telephone-trunk-line busy-signal.	J. L. McQuarrie.	772,897	Sept. 13	1190	256	112	286
Telephone-trunk-lines. Apparatus for through ringing on.	H. M. Crane.	772,927	Oct. 25	3454	749	112	1782
Telephone-trunk-lines. Apparatus for through ringing on.	R. L. de Moura.	775,337	Nov. 22	3620	767	113	875
Telephones. Wireless.	R. E. Pedigo.	772,337	Oct. 11	2249	493	112	1461
Telephones. Cut-out for rural.	A. Graham.	759,097	May 10	2241	463	110	523
Telephonic apparatus.	J. D. Peachey.	751,103	Feb. 2	587	126	108	1186
Telephonic call instrument.	I. Kitsee.	770,236	Sept. 20	2226	464	112	538
Telephonic relay.	I. Kitsee.	754,457	Mar. 15	2502	545	109	532
Telephonic relay or repeater.	M. Gally.	749,481	Jan. 12	1934	401	108	454
Telephonic repeater.	M. Gally.	751,845	Feb. 9	1978	450	108	1497
Telephonic transmission.	R. Seelig.	766,451	Aug. 2	609	129	111	1772
Telephonogram apparatus.	C. Hülsmeier.	766,355	Aug. 2	431	92	111	1135
Telephonographic records. Means for intensifying.	E. E. Ries.	768,541	Aug. 23	4923	1031	111	2190
Telephony.	I. Kitsee.	751,555	Feb. 9	1608	365	108	1419
Telephony.	J. Trowbridge.	756,436	Apr. 5	492	108	109	1447
Telephony.	A. Meinema.	757,826	Apr. 19	3235	702	109	2067
Telephony.	I. Kitsee.	765,142	July 12	2506	524	111	560
Telephony.	I. Kitsee.	766,502	Aug. 2	735	154	111	1201
Telephony. Apparatus for wireless.	S. Musits.	777,216	Dec. 13	1481	328	113	1770
Telescope adjustment.	R. Seelig.	763,433	June 28	3035	783	110	2391
Telescope, binocular, &c. Prismatic.	J. Aitchison.	765,607	July 19	3463	718	111	772
Telescope. Low-power.	A. König.	754,076	Mar. 8	1701	378	109	391
Telescope. Prismatic.	H. C. Mustin.	778,694	Dec. 27	4404	964	113	2427
Telescope-support.	G. N. Saegmüller.	773,813	Nov. 1	523	114	113	121
Telescopic joint for shafting, &c.	E. G. Hoffmann.	754,066	Mar. 8	1684	374	109	387
Telescoping mechanism.	H. E. Bayly.	770,550	Sept. 20	2696	571	112	642
Telltale-register.	W. H. Pratt and A. J. R. Fiego.	751,007	Feb. 2	417	99	108	1150
Tellurian.	T. P. Epes.	756,345	Apr. 5	309	63, 64	109	1409
Tellurian.	P. D. Lawlor.	759,894	May 17	2635	551	110	626
Tellurian.	A. Hosking.	776,911	Dec. 6	898	194	113	1624
Telpher.	H. M. Harding.	761,884	June 7	549	109	110	1562
Telpherage system.	J. H. Johnson.	764,469	July 5	1145	233	111	253
Temperature-alarm. Electrical.	J. P. Bolton.	762,125	June 7	975	202	110	1648
Temperature and moisture regulating apparatus.	W. A. Milne.	756,130	Mar. 29	5887	1255	109	1369
Temperature of a distant point. Electric system for indicating the.	R. G. Callum.	758,819	May 3	477	95, 96	110	116
Temperature-regulating apparatus.	A. M. Goodwin.	752,768	Feb. 23	3760	839	108	1928
Temperature-regulating device.	E. H. Hunter.	776,783	Dec. 6	630	139	113	1505
Temperature-regulation system.	F. M. Schmidt.	766,469	Aug. 2	647	139	111	1181
Temperature-regulator.	C. E. Jewell.	774,882	Nov. 15	2641	567	113	624
Tempering and coloring apparatus.	E. Chambers.	755,998	Mar. 29	5493	1201	109	1256
Tenement. Two-story.	N. R. Grimm.	763,279	June 21	3284	709	110	2192
Tennis-marker.	G. Jakob.	776,329	Nov. 29	5620	1191	113	1385
Tennis-pole brace or support.	T. A. Buys.	751,146	Feb. 2	667	155	108	1202
Tennis-racket.	761,048	May 24	4940	1048	110	1149	
Tennis-table.	J. E. H. Hyde.	763,059	June 21	2866	619	110	2101
Tennis. Table.	J. H. Ricau.	755,936	Mar. 29	5390	1176	109	1232
Tenoning and boring implement-handles. Machine for.	G. S. Clow.	755,939	Mar. 22	4195	927	109	966
Tenoning-machine.	S. F. Wise.	771,756	Oct. 4	1047	233	112	1188
Tenpin.	H. Haussmann.	751,507	Feb. 9	1323	304	108	1301
Tension device.	J. Lundgren.	751,030	Feb. 9	2146	484	108	1535
Tension device.	F. W. Temple.	754,516	Mar. 15	2634	572	109	612
Tension device.	D. J. Scott and G. A. Slater.	765,104	July 12	2440	508	111	546
Tensional lock for adjusting-screws.	C. F. Splittdorf.	770,194	Sept. 13	3001	632	112	662
Tent.	A. F. McGrath.	748,974	Jan. 5	833	176	108	193
Tent.	R. S. Gutshall.	751,392	Feb. 2	1142	259	108	1900
Tent.	W. Y. Hunter.	755,369	Mar. 22	4222	933	109	972
Tent.	F. H. Gotsche.	758,642	May 3	71	15	110	20
Tent.	E. A. Chase.	760,306	May 17	3431	723	110	806
Tent brace and rack combined.	E. B. Cobaugh.	761,582	May 31	5946	1275	110	1391
Tent-cottage.	A. M. Holmes.	758,033	Apr. 19	3637	786	109	2156

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Tent-cottage	J. R. Parks	777,531	Dec. 13	2082	458	113	1901
Tent for shading tobacco or the like	C. M. Berry and I. C. Putnam	751,713	Feb. 9	1708	388	108	1440
Tent-rope slide and grip	W. S. Logan	763,294	June 21	3315	717	110	2169
Terentering-machine	A. McLean	713,415	June 23	3604	777	110	3283
Terentering-machine	W. J. Tretch	763,416	June 28	3606	777	110	2284
Testing apparatus	W. J. Keep	778,674	Dec. 27	4375	956	118	2120
Testing device	O. A. Trowbridge	758,799	May 3	441	88	110	108
Testing device. Torque-	A. L. Ellis	771,302	Oct. 4	159	36	112	995
Testing-machine	W. R. Cook	754,418	Apr. 26	4421	949	109	2347
Testing-machine	W. J. Tretch	773,212	Nov. 8	1320	281	113	315
Testing-machine. Coin-controlled	C. E. Amond	748,683	Jan. 5	243	56, 57	108	53
Testing-machine grip	W. J. Tretch	750,646	May 10	2160	444	110	606
Textile fabrics. Steaming and drying machine for	J. W. Fries	759,980	May 17	2812	588	110	568
Textile materials. Oiling and finishing	R. S. J., and F. R. Carmichael	761,303	May 31	5235	283	109	221
Textile webs. Machinery for the production of	W. G. Stewart	753,752	Mar. 1	1026	838	109	1263
Thawing frozen ground. Portable apparatus for	C. W. Joynet	763,612	June 25	3938	856	110	2355
Thawing-off tank	B. F. Daly	765,166	July 19	2537	534	111	589
Theater appliance	H. A. Shaules	778,078	Dec. 20	3211	706	113	2150
Theater building	A. Schlechter	754,711	Mar. 15	3013	638	109	692
Theater-chair	E. H. Wiersching and C. J. Bergstrom	775,873	Nov. 22	4736	1003	113	1117
Theater-chair	H. Blanchard	776,044	Nov. 20	5090	1074	113	1216
Theater-drop-curtain-tensioning device	J. R. Clancy	776,774	Dec. 6	616	134	113	1562
Theatrical appliance	J. Greene	766,613	Aug. 2	977	205	111	1258
Theatrical-curtain-actuating mechanism	S. H. Garrett	766,238	Aug. 2	188	37	111	1083
Theophyllin. Making	F. Ach	768,533	Aug. 23	4897	111	2184	
Therapeutic apparatus. Electric	R. Friedlander	765,470	July 19	8165	661	111	730
Therapeutic machine. Electric	H. A. Slaughter	767,015	May 31	5225	114	1463	
Therapeutic purposes. Apparatus for producing an alternating magnetic field for	E. Buhtz	761,199	May 31	5226	1110	110	1232
Therapeutic purposes. Apparatus for producing gyratory magnetic lines of force for	R. Trüb	765,690	July 26	3590	763	111	826
Therapeutic purposes. Electrical apparatus for	F. C. Fisher	755,121	Mar. 23	3750	824	109	872
Therapeutic purposes. Spiral vacuum-tube for	R. Machlett	754,073	Mar. 8	1708	380	109	392
Therapeutic purposes. Apparatus for	F. H. Brown	761,029	May 24	4905	1039	110	1142
Therapeutic purposes. Electrical apparatus for	J. P. Brown	763,657	June 23	4032	880	110	2375
Thermal cut-out	H. P. Clausen	757,884	Apr. 10	3340	723	109	3091
Thermal cut-out	M. Ser	757,971	Apr. 19	3516	761	109	2187
Thermal cut-out	M. Sotter	757,972	Apr. 19	3508	761	109	2128
Thermal cut-out	W. L. R. Emmet	769,598	Sept. 6	882	190	112	199
Thermal inductor	T. B. Kinraide	770,433	Sept. 20	2462	522	112	589
Thermal motor	W. M. Fulton	772,035	Oct. 11	1652	370	112	1327
Thermal protector. Self-soldering	F. B. Cook	774,160	Nov. 5	1225	261	113	293
Thermo-electric alarm	G. E. Haslinger	777,306	Dec. 13	2037	449	113	1893
Thermo-electric apparatus	W. H. Bristol	764,178	July 5	533	105	111	117
Thermo-electric couple	W. H. Bristol	764,175	July 5	527	104	111	116
Thermo-electric couple	W. H. Bristol	764,176	July 5	529	104	111	117
Thermo-electric couple	W. H. Bristol	764,177	July 5	531	105	111	117
Thermo-electric element	W. H. Bristol	764,174	July 5	536	105	111	116
Thermo-electric generator	M. J. Wightman	773,838	Nov. 1	581	125	113	133
Thermo-electric generator	M. J. Wightman	773,839	Nov. 1	586	126	113	134
Thermometer	W. F. Fruehauf	759,474	Sept. 6	698	142	112	162
Thermometer	T. H. Wurm and R. Baumann	770,345	Sept. 20	2317	483	112	558
Thermometer-case	P. C. Kellett	753,711	Mar. 1	955	216	109	205
Thermometer-case	H. A. Sievert	759,761	May 10	2368	494	110	552
Thermometer-case. Antiseptic	P. C. Hay	752,395	Feb. 16	3039	676	108	1733
Thermometer. Clinical	W. M. Meinecke	766,720	Aug. 2	1196	251	111	1307
Thermometer holder. Clinical	G. E. Nettleton	754,231	Mar. 8	2004	446	109	457
Thermometer. Incubator	A. Neubeck	767,493	Aug. 16	3769	578	111	1692
Thermometer shield. Clinical	E. O. Koenehan	748,752	Jan. 5	369	83	108	82
Thermopile	J. A. Lyons and E. C. Broadwell	775,187	Nov. 15	3261	697	113	768
Thermopile elements	J. A. Lyons and E. C. Broadwell	775,188	Nov. 15	3264	698	113	768
Thermosensitive device	W. M. Fulton	760,760	May 24	3688	780	110	880
Thermostat	J. L. Ward	751,363	Feb. 2	1091	247	108	1290
Thermostat	G. D. Hoffman	751,854	Feb. 9	1999	453	108	1502
Thermostat	D. H. Haywood	755,487	Mar. 22	4422	980	110	1013
Thermostat	A. Roesch	759,472	May 10	1819	387	110	493
Thermostat	W. P. Powers	764,819	July 12	1900	389	111	431
Thermostat	C. L. Walker	768,098	Aug. 23	4033	849	111	1990
Thermostat	J. D. Gould	771,144	Sept. 27	3867	816	112	918
Thermostat	M. J. Levy	774,847	Nov. 15	2574	531	113	608
Thermostat	A. Goldstein and H. E. Rice	773,779	Dec. 27	4563	999	113	2462
Thermostat and reversing-valve	W. J. Robertson	761,402	May 31	5636	1200	110	1321
Thermostat for electric circuits	J. P. Robertson	777,046	Dec. 6	1172	256	113	1688
Thermostatic controller	J. F. Siems	760,653	May 24	4108	873	111	974
Thermostatic device	C. F. Hikier	763,754	June 28	4283	920	110	2417
Thill attachment	M. D. Le Roy and G. P. Ross	753,988	Mar. 8	1541	344	109	356
Thill-coupling	H. C. Ingraham	748,610	Jan. 5	98	25	108	23
Thill-coupling	C. S. Lehman	753,083	Feb. 23	4408	980	108	2074
Thill-coupling	H. C. Ingraham. (Reissue)	12,206	Mar. 22	4628	1027	109	1059
Thill-coupling	J. A. Steele	756,726	Apr. 5	1063	227	109	1561
Thill-coupling	A. Sager	758,193	Apr. 26	3951	857	109	2244
Thill-coupling	L. J. Dillon	763,734	June 28	4187	912	110	2409
Thill-coupling	J. P. Holloper	764,847	July 12	1956	402	111	444
Thill-coupling	L. A. Melanson	765,501	July 19	3231	674	111	732
Thill-coupling	J. M. Bryant	766,807	Aug. 9	1412	294	111	1375
Thill-coupling	L. A. Manwaring	773,083	Oct. 25	3835	819	112	1848
Thill-coupling	L. J. Dillon	774,237	Nov. 8	1362	290	113	324
Thill-coupling	G. E. Clow	775,444	Nov. 22	3856	815	113	998
Thill-coupling	V. B. and L. Neal	777,689	Dec. 20	2405	529	113	1286

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Thill-coupling and shaft-support.	R. Raby	772,824	Oct. 18	3232	704	112	1693
Thill-iron.	L. Husser	760,207	May 17	3256	683	110	766
Thill or draft-pole coupling.	H. Turner	759,046	May 8	911	185	110	209
Thill or pole coupling.	J. E. Ackerman	760,170	May 17	3194	669	110	753
Thill or tongue support.	E. D. Waffie	733,016	Feb. 23	4274	953	108	2045
Thill or tongue support.	L. A. Scidmore	738,742	Mar. 1	1013	230	109	217
Thill-shifter	J. D. Ellis	769,990	Sept. 13	1636	346	112	387
Thill-shifting device	G. L. Lawrence and S. N. Puff	758,925	May 3	694	139	110	162
Thill-support.	E. L. Buckingham	755,997	Mar. 29	5436	1201	109	1355
Thill-support.	D. L. White	758,160	Apr. 26	3880	844	109	2231
Thill-support.	W. A. Moeller	765,393	July 19	2986	625	111	682
Thill-support.	H. A. Post	771,931	Oct. 11	1429	326	112	1278
Thill-support.	W. M. Nix	772,290	Oct. 11	2176	475	112	1445
Thill. Vehicle.	L. C. Sweet	765,210	July 19	2631	548	111	606
Thill. Vehicle.	H. P. Baltzer	777,330	June 7	541	129	110	1531
Thimble attachment.	F. Ludwison	777,117	Dec. 13	1306	288	113	1733
Thread and tape stand.	W. H. Stedman	765,153	July 12	2538	530	111	566
Thread-brake.	H. A. Bates	768,926	Aug. 30	5734	1205	111	2389
Thread-cutting appliance.	J. H. Tierney	770,944	Sept. 27	3465	732	112	832
Thread-cutting machine.	G. A. Ensign	751,841	Feb. 9	1995	448	108	1495
Thread-dressing machine.	G. A. Fredenburgh	758,520	Apr. 26	4609	992	109	2390
Thread-dressing machine.	G. A. Fredenburgh	767,640	Aug. 16	3037	638	111	1755
Thread-dressing machine.	G. A. Fredenburgh	771,136	Sept. 27	3852	812	112	916
Thread-dressing machine.	G. A. Fredenburgh	772,562	Oct. 18	2727	599	112	1586
Thread-dressing-machine thread-immersing device.	G. A. Fredenburgh	767,639	Aug. 16	3055	638	111	1754
Thread-finishing machine.	X. Bossart	776,993	Dec. 6	1062	230	113	1662
Thread-guide.	L. T. Houghton	759,279	May 10	1439	287	110	349
Thread-guide support.	W. O. Aldridge	761,934	June 7	541	129	110	1531
Thread holding and cutting attachment for spools.	D. C. Laird	752,845	Feb. 23	3915	877	106	1961
Thread or twine tension device.	M. C. Ellison	772,140	Oct. 11	1865	414	112	1374
Thread take-off.	C. Pedersen	765,856	July 26	3931	839	111	894
Thread-unwinder.	W. H. Gould	764,235	July 5	695	135	111	148
Threading device.	S. E. Bacey	748,912	Jan. 5	684	151	108	154
Threading device. Automatic	R. L. Cumnock	762,887	June 21	2540	551	110	2028
Threading mechanism.	H. E. Boyd	771,528	Oct. 4	618	138	112	1091
Threading tool. Inside.	R. McNeil	768,070	June 21	2583	623	110	2104
Three-way split switch.	T. Dean	767,740	Aug. 16	3320	678	111	1771
Thresher.	B. W. Salmon	776,619	Dec. 6	306	67	113	1497
Thresher and cleaner. Bean.	J. Trethewey	762,212	June 7	1134	243	110	1686
Thresher and cleaner. Cotton.	F. A. Blain	765,874	July 26	3958	845	111	901
Thresher and separator.	P. Hofmann	753,705	Mar. 1	947	214	109	204
Thresher and separator. Combined grain.	F. Fredeen	757,904	Apr. 19	3981	731	109	2100
Thresher and separator. Harvester.	W. V. Allen	750,044	Jan. 19	3016	646	108	705
Thresher. Pea or bean.	J. Sitter	775,942	Nov. 29	4879	1033	113	1166
Thresher-toothing.	W. N. Rumely	751,017	Feb. 2	433	102	108	1153
Thresher. Traveling.	T. O. Helgerson	751,073	Feb. 2	532	124	108	1176
Threshing and cleaning apparatus. Seed-cotton.	H. H. Kelly	775,754	Nov. 22	4505	951	113	1069
Threshing and separating machine.	J. E. Sanders	755,943	Mar. 29	5344	1179	109	1296
Threshing apparatus.	L. B. Mack	768,472	Aug. 23	4781	1002	111	2160
Threshing-engine belt-removing device.	C. McCollor	754,488	Mar. 15	2576	560	109	598
Threshing-machine.	G. F. Conner	749,531	Jan. 12	2025	421	108	474
Threshing-machine.	B. R. Holington	750,855	Feb. 2	142	32, 33	108	1069
Threshing-machine.	H. Hanson	750,969	Feb. 2	554	85, 86	108	1136
Threshing-machine.	W. W. Dingee	751,619	Feb. 9	1545	332	108	1405
Threshing-machine.	N. G. T. D. and J. M. Ross	752,182	Feb. 16	2616	580	108	1658
Threshing-machine.	R. N. McClanahan	752,576	Feb. 16	3577	754	108	1827
Threshing-machine.	C. Bankey	753,032	Feb. 23	4314	958	108	2053
Threshing-machine.	J. A. Beam	753,350	Mar. 1	241	55	109	54
Threshing-machine.	A. W. Collis	754,850	Mar. 15	3282	715	109	751
Threshing-machine.	W. G. Stewart	756,728	Apr. 5	1025	227	109	1561
Threshing-machine.	W. Colwell	758,603	Apr. 26	4776	1028	109	2426
Threshing-machine.	J. McGrane	759,391	May 10	1670	338	110	398
Threshing-machine.	J. M. Brasington	759,417	May 10	1717	348	110	409
Threshing-machine.	M. Davis	760,967	May 24	4750	1011	110	1109
Threshing-machine.	M. Davis and W. A. Lehenbauer	763,731	June 28	4182	911	110	2408
Threshing-machine.	C. H. Bidwell	766,161	Aug. 2	3	1	111	1043
Threshing-machine.	L. M. Thomson	767,184	Aug. 9	2164	451	111	1539
Threshing-machine.	H. Schleusner	767,913	Aug. 16	3566	754	111	1896
Threshing-machine.	F. M. Carter	772,402	Oct. 18	2413	520	112	1518
Threshing-machine and machine used for analogous purposes.	J. F. Sanderson	753,921	Mar. 8	1420	320	109	327
Threshing-machine attachment.	J. R. Bartholomew	760,515	May 24	3834	813	110	915
Threshing-machine band-cutter.	O. A. Butterfield	774,155	Nov. 8	1216	240	113	291
Threshing-machine band-cutter and feeder.	C. Christiansen	751,301	Feb. 2	914	208	108	1251
Threshing-machine band-cutter and feeder.	J. E. Sponseller	759,322	May 10	1520	306	110	366
Threshing-machine chaffer.	W. B. Bradley	755,441	Mar. 22	4347	963	109	997
Threshing-machine clover-hulling attachment.	C. Saylor	754,612	Mar. 15	2802	611	109	640
Threshing-machine concave.	A. A. Shelton and R. A. Kirk	750,932	Feb. 2	236	52	108	1116
Threshing-machine concave.	S. S. Mishler	755,152	Mar. 22	3834	888	109	884
Threshing-machine, &c., coupling.	W. J. Randolph, Jr.	752,300	Feb. 16	2855	634	108	1713
Threshing-machine feeder.	J. M. Sailer	764,080	July 12	1617	330	111	370
Threshing-machine-feeder governor.	W. C. Peterson	749,629	Jan. 12	2188	460	108	510

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Threshing machine. Pea.	A. J. Briggs and J. B. Sitts.	763,361	June 28	3478	750 751	110	2258
Threshing-machine self-feeder	D. C. Ruth	764,824	July 12	1909	391 392	111	494
Threshing-machine self-feeder	C. R. Parks	776,080	Dec. 6	427	95	113	1523
Threshing-machine separating device.	R. Davies	765,702	July 26	3609	767 768	111	830
Threshing-machine sieve	B. Whelan	751,035	Feb. 2	466	109	108	1161
Threshing-machine sieve-adjuster	O. E. Olsen	769,764	Sept. 13	1193	257	112	287
Threshing-machine straw-carriers. Leader for	C. Krueger	751,637	Feb. 9	1613	367 366	108	1420
Threshing-machine tooth	W. J. Cook	750,091	Jan. 19	3112	669	108	734
Throat-bag	A. C. Eggers	750,104	Jan. 19	3184	673	108	730
Thumb-support and root-brace for enamel-cleavers.	F. E. Roach	749,881	Jan. 19	3208	576	108	638
Ticket and automatic auditing system. Combined.	J. W. Lutz	770,814	Sept. 27	3318	678	112	776
Ticket and destination-check or transfer combined.	F. I. Welch	769,969	Sept. 13	1580	337	112	373
System of railway-							
Ticket-case	A. H. Sellars.	756,985	Apr. 12	1539	339	109	1684
Ticket-case	E. D. Fritch	762,162	June 7	219	125	112	1855
Ticket-case	A. H. Sellars.	773,103	Oct. 25	3930	834	112	1873
Ticket-case	L. M. Hopkins.	777,418	Dec. 13	1868	412	113	1856
Ticket counting and inspecting machine.	R. E. Kimball	761,970	June 7	699	142 143	110	1502
Ticket. Coupon-	O. B. Stanton	758,712	May 3	263	52	110	68
Ticket. Differential commutation	G. H. Sargent	760,155	May 17	3159	660	110	745
Ticket-distributor	C. H. Townsend	767,610	Aug. 16	2999	626	111	1743
Ticket-holding device.	J. J. McGuirk	753,514	Mar. 1	566	130	109	123
Ticket issuing and recording machine	J. F. Ohmer	778,264	Dec. 27	3574	783	113	2247
Ticket-issuing machine	J. M. Siebler	758,023	Apr. 19	3615	783 782	109	2151
Ticket making and attaching machine. Pin-	F. Kohnle	762,322	June 14	1369	295 296	110	1737
Ticket or check delivering machine.	W. H. Champlin	770,558	Sept. 20	2710	573	112	645
Ticket. Pin-	M. S. Johnson	748,037	Jan. 5	777	168	108	177
Ticket. Pin-	H. A. Frank	766,993	Aug. 9	1776	373	111	1455
Ticket printing and discharging apparatus. Turn-	E. H. Spear	763,267	Oct. 25	4296	900	112	1955
stile-controlled							
Ticket protector. Pin-	L. E. Hacherelle	769,437	Sept. 6	583	128	112	132
Ticket-rack	H. W. Thompson	759,140	May 3	1083	821	110	247
Ticket. Railway-	J. Buffington	763,149	June 21	3043	654	110	2139
Ticket. Railway-	J. H. Lord	761,854	July 12	1967	406	111	447
Ticket. Railway-	W. H. Campbell	765,458	July 19	3132	657	111	712
Ticket. Railway-	W. H. Barnes	747,738	Nov. 15	2335	505	113	555
Ticket. Railway-	R. E. Lee	775,042	Nov. 15	2937	631	113	699
Ticket. Railway-	L. N. Lyon and W. Donaldson	775,838	Nov. 22	4666	989	113	1103
Ticket. Railway-	W. H. Barnes	775,911	Nov. 29	4811	1019	113	1151
Ticket. Railway-	O. S. Travis	776,273	Nov. 29	5526	1170	113	1315
Ticket. Railway cash receipt.	A. A. Beeler	760,949	May 24	4777	1005	110	518
Ticket registering, punching, and issuing machine.	J. F. Ohmer	773,518	Oct. 25	4846	1023	112	2074
Ticket system. Traffic-	J. F. Ohmer	703,922	June 28	4558	996	110	246
Ticket system. Transportation-	P. C. Dockstader	755,638	Mar. 29	4714	1048	109	1092
Ticket. Transfer-	W. Klein, Jr.	763,292	June 21	3312	717	110	2198
Ticket. Transportation-	P. C. Dockstader	759,682	May 10	3218	457	110	518
Ticket. Transportation-	P. C. Dockstader	756,778	Dec. 6	622	136	113	1563
Ticket. Unalterable duplex.	J. J. McGuirk	752,296	Feb. 16	2848	632	108	1711
Tide and draft indicator	J. Gedeon and J. F. Prosser.	774,514	Nov. 8	1878	408	113	436
Tide and wave motor	G. W. Hazel	775,421	Nov. 22	3814	806	113	920
Tie-							
See Bale-tie.	Letter-package tie.						
Bale-band tie.	Metal tie.						
Bridge cross-tie.	Metallic tie.						
Bundle-tie.	Package-tie.						
Cotton-bundle tie.	Rail tie.						
Cross-tie.	Railway tie.						
Extension-tie.	Railway cross-tie.						
Fence-tie.	Rope-tie.						
Fence stay-wire tie.	Sheaf-tie.						
Fencing-tie.							
Tie	E. F. Priddat	754,605	Mar. 15	2790	608	109	643
Tie	A. C. Shand	764,903	July 12	2076	429	111	470
Tie	T. S. Newton	778,064	Dec. 20	3185	700	113	2144
Tie and rail-fastening. Combined	H. V. Mordaunt	764,861	July 12	1961	406	111	450
Tie-fastener	E. F. Priddat	754,606	Mar. 15	2792	609	109	643
Tie-plate	B. Wolhaupter	751,129	Feb. 2	632	146	108	1195
Tie-plate	L. A. Hoerr	751,511	Feb. 9	1339	305	108	1362
Tie-plate	B. Wolhaupter	751,907	Feb. 9	2214	419	108	1351
Tie-plate	St. Pierre	754,025	Mar. 8	1613	359	109	372
Tie-plate	W. S. Jones	737,467	Apr. 19	2515	552	109	1908
Tie-plate	T. Toomey	773,351	Oct. 25	4471	946	112	1991
Tie-plate	B. S. Wasson	776,442	Nov. 29	5848	1236	113	1390
Tie-rod connection.	G. G. Guy	752,065	Feb. 16	2407	537	108	1611
Tie	G. G. Fryer	749,786	Jan. 19	2531	538	108	601
Tie	S. Veyon	750,561	Jan. 26	3998	864	108	934
Tie	S. B. Flint	751,275	Feb. 2	940	214	108	1257
Tie	R. McCarrel	752,697	Feb. 23	3639	810	108	1901
Tie	W. E. Rivers.	766,526	Aug. 2	785	165	111	1213
Tie and tie-setting	J. H. Munro	753,287	Mar. 1	134	32	109	33
Tie, brick, &c.	S. Veyon	776,441	Nov. 29	5846	1236	113	1390
Tie. Building.	J. Schall	751,946	Feb. 2	1063	241	108	1284
Tie. Building.	C. T. Seested	773,230	Oct. 25	4226	895	112	1939
Tie. Building.	P. J. McGuire	778,598	Dec. 27	4241	923	113	2390
Tie. Chimney-	F. Minger	751,534	Feb. 9	1377	314	108	1370

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Tile construction. Illuminating.	P. H. Jackson.	775,626	Nov. 22	4260	900	113	1017
Tile-drying apparatus.	D. F. Henry, Jr.	731,852	P. 9	1994	452	108	1501
Tile for floor or wall coverings. Interlocking.	A. W. Nilsson.	750,779	Jan. 26	4441	958	108	1033
Tile for wall-finish.	W. K. Gore.	736,622	Apr. 5	817	176	109	1515
Tile-grinding apparatus.	T. H. Mooney.	734,591	Mar. 15	2767	603	109	638
Tile. Illuminating.	J. Jacobson.	733,078	Feb. 23	4390	978	108	2072
Tile. Illuminating.	P. H. Jackson.	731,890	Nov. 8	1639	351	113	886
Tile-machine.	D. E. Forton.	749,669	Jan. 12	2276	480	108	539
Tile-making apparatus.	G. Jaeger.	770,586	Sept. 30	2758	584	112	656
Tile-making apparatus. Hollow.	G. Jaeger.	763,579	July 19	3352	704	111	760
Tile-making machine.	L. Davis.	763,048	June 21	2850	616	110	2097
Tile-press.	W. R. Cunningham.	777,277	Dec. 13	1591	354	113	1795
Tile. Roofing.	W. P. Grath.	749,182	Jan. 12	1289	277	108	316
Tile-turning apparatus.	D. F. Henry, Jr.	764,724	July 12	1704	349	111	388
Tile. Well-curb.	A. Merkley.	765,502	July 19	3222	674	111	733
Tiles. Interlocking building.	J. Schall.	748,989	Jan. 5	855	184	108	198
Tiles. Machine for molding cement roofing.	H. Baden and W. Glüss.	768,872	Aug. 30	5619	1180	111	2361
Tiles. Making mosaic.	H. C. Mercer.	763,064	June 21	2874	621	110	2103
Tiles, mirrors, &c. Support for.	J. P. Benjamin.	753,842	Mar. 8	3363	683	109	598
Tiling, &c. Circular mold for making.	C. S. Larimer.	769,745	May 24	4320	917	110	1018
Tiling. Floor.	W. J. Ellis.	750,954	Feb. 2	331	79	108	1131
Tiling for floors, &c.	J. H. Munro.	762,428	June 14	1581	345	108	1801
Tiling-machine.	J. T. Crossley.	768,845	Aug. 30	5574	1170	111	2351
Tiling substitute.	E. Reizenstein.	737,840	Apr. 19	3260	906	109	2072
Till. Cash.	P. W. Baynes.	754,961	Mar. 22	3484	762	109	813
Till. Shop check.	W. W. Connell.	767,633	Aug. 16	3046	636	111	1752
Tiller-lock.	W. E. Lee.	765,431	July 19	3067	642	111	700
Tilting bin.	B. F. Barnes.	735,605	Mar. 29	4646	1032	109	1076
Tilting bin and sample-display device.	A. J. West.	754,523	Mar. 15	3391	573	109	613
Timber. Drying.	A. Gray.	763,482	June 28	3713	800	110	2307
Timber-estimating device.	C. L. Walker.	753,940	Mar. 8	1455	327	109	335
Timber seat and support.	J. Tuteur.	761,020	May 24	4884	1033	110	1138
Timber-treating process.	I. P. Dundon.	753,052	Feb. 23	4349	968	108	2020
Time-check. Watchman's.	C. Stockton.	777,392	Dec. 13	1823	404	113	1846
Time-detector. Watchman's.	J. Schlenker.	774,499	Nov. 8	1849	401	113	430
Time-detector. Watchman's.	R. Vogelmann and A. F. Nanz.	776,628	Dec. 6	324	70	113	1500
Time-lock.	E. A. Marsh.	769,556	Sept. 6	816	174	112	163
Time-lock.	M. D. Dalton.	775,523	Nov. 22	4015	847	113	985
Time of employees. Machine for keeping the.	T. Dow.	773,948	Nov. 22	3632	772	113	883
Time-recorder.	H. F. Shilling and J. C. Dieter.	748,800	Jan. 5	458	103	108	103
Time-recorder.	J. W. Deibner.	749,922	Jan. 19	2787	595	108	637
Time-recorder.	G. White.	754,401	Mar. 8	2371	517	109	535
Time-recorder.	A. E. Snow.	757,150	Apr. 12	1874	409	109	1759
Time-recorder.	A. N. Palmer.	760,241	May 17	3318	697	110	781
Time-recorder.	E. Peterson, E. Snyder, and C. E. Larrabee.	771,494	Oct. 4	535	120	112	1071
Time-recorder ribbon-feeding mechanism.	A. N. Palmer and W. W. Kimball.	770,241	Sept. 13	2080	437	112	484
Time-recorder. Watchman's.	C. T. Hawley.	759,177	May 3	1162	236	110	264
Time-recorder. Watchman's.	J. and H. E. Summers.	767,453	Aug. 16	2680	563	111	1670
Time-recorder. Workman's.	J. J. Stockall, Jr.	755,959	Mar. 29	5378	1186	109	1244
Time-table appliance and advertising device.	H. L. Warrens.	752,274	Feb. 16	2907	622	108	1703
Timepiece-dial.	A. M. Laue.	776,856	Dec. 6	800	173	113	1602
Timepiece-escapement.	A. J. Butts.	762,682	June 14	2112	460	110	1916
Timepiece holder. Illuminated.	W. J. Shepherd.	755,584	Mar. 22	4590	1021	109	1050
Tin by electrolysis. Obtaining.	E. Quintaine. (Reissue).	12,214	Apr. 26	4793	.....	109	2430
Tin can.	H. E. Bandlow.	750,767	Jan. 19	3083	623	108	718
Tin can.	C. Diesel.	751,784	Feb. 9	1881	421	108	1480
Tin-plate catcher.	E. L. Cronmeyer.	753,016	Feb. 9	2326	520	108	1574
Tin-plate-mill catcher. Automatic.	C. A. Bottorff.	766,417	Aug. 2	545	114	111	1160
Tins, pots, &c. Apparatus for cleaning.	W. G. Mortimer.	755,521	Mar. 22	4482	116	109	1026
Tinner's mandrel.	H. Flynt.	776,733	Dec. 6	546	120	113	1547
Tip-cat.	J. A. Astarita.	753,020	Feb. 23	4311	957	108	2053
Tire.	G. M. Depeur.	750,023	Jan. 19	2984	639	108	609
Tire.	H. G. Fiske.	750,838	Feb. 2	114	26	108	1082
Tire.	H. G. Fiske.	754,954	Mar. 15	2378	628	109	661
Tire.	A. Hendey.	758,209	Apr. 26	3983	864	109	2250
Tire.	J. Snyder.	760,352	May 17	3513	739	110	824
Tire.	J. B. London.	761,847	June 7	474	96	110	1545
Tire.	W. C. Stokes.	767,583	Aug. 16	2940	616	111	1730
Tire.	O. L. Leach.	769,666	Dec. 15	377	82	113	2357
Tire.	A. Papeux.	769,718	Sept. 13	1110	238	112	269
Tire.	W. Sherbondy and S. H. Sturgeon.	772,609	Oct. 18	2819	619	112	1605
Tire.	M. G. De Hart.	776,085	Nov. 29	5074	1071	113	1213
Tire.	C. G. Fawkes.	776,085	Nov. 29	5074	1071	113	1213
Tire.	J. Sullivan.	778,133	Dec. 20	3353	736	113	2182
Tire and carriage bolt holder and clamp. Combined.	C. P. Wing.	759,055	May 3	925	187	110	212
Tire and fastener therefor. Vehicle.	W. O. Worth.	769,243	Sept. 6	304	49	112	43
Tire and rim. Vehicle-wheel.	J. F. Pease and E. Schumacher.	764,497	Jan. 12	1201	247	111	261
Tire armor. Pneumatic.	J. W. Aylsworth.	758,885	May 3	625	124	110	148
Tire armor. Vehicle.	M. Miller.	756,127	Mar. 29	5682	1254	109	1308
Tire-bolt wrench.	C. P. Wing.	751,964	Feb. 9	2210	498	108	1550

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Tire-bolt wrench.....	F. C. Gibson.....	762,049	June 7	840	173	110	1619
Tire-bolting machine.....	J. E. Fillman and W. Davis.....	753,130	Feb. 23	4483	998	108	2090
Tire-clamp.....	P. F. Schaffer.....	766,119	July 26	4438	951	111	1604
Tire-cover.....	M. Korth.....	765,290	July 19	3767	578	111	635
Tire-cover. Elastic.....	C. H. Gray and T. Sloper.....	748,858	Jan. 5	576	131 132	108	129
Tire cover. Pneumatic.....	G. T. Shilton and A. Schultze.....	758,336	Apr. 26	4259	915	109	2311
Tire cover. Pneumatic.....	T. Houben.....	761,491	May 31	5783	1236	110	1355
Tire cover. Pneumatic.....	C. B. Buxton.....	770,785	Sept. 27	3160	670	112	752
Tire-cover. Protective.....	R. Wallwork.....	776,570	Dec. 6	209	47	113	1474
Tire covers. Apparatus for use in manufacture of wheel.....	F. S. Ornstien.....	766,194	Aug. 2	80	145	111	1059
Tire covers. Lever for manipulating pneumatic.....	E. Michelin.....	756,515	Apr. 5	638	138	109	1476
Tire covering. Pneumatic.....	G. F. Boren.....	763,339	June 8	452	825	110	2329
Tire. Cushion.....	749,845	Jan. 19	2639	564	108	109	
Tire. Cushion.....	S. Adlam.....	752,639	Feb. 23	3529	785	108	1877
Tire. Cushion.....	J. H. Toole.....	755,259	Mar. 22	4001	888	109	923
Tire. Detachable pneumatic.....	C. S. Scott.....	770,611	Sept. 20	2799	535	112	665
Tire. Double-tube.....	F. F. Thompson.....	772,788	Oct. 18	3127	901	112	1017
Tire. Double-tube pneumatic.....	A. H. Marks.....	765,670	July 26	3553	751	111	818
Tire-fastening device.....	J. T. Dickey and C. D. Derry.....	761,457	May 31	5728	1221	110	1343
Tire-fastening device. Pneumatic.....	T. T. Sloper.....	771,674	Oct. 4	893	201	112	1150
Tire fastening. Massive.....	W. Struck.....	777,314	Dec. 13	1665	262	113	1812
Tire fastening. Vehicle.....	J. W. Farnoff.....	777,618	Dec. 13	2277	500	113	1913
Tire filler. Vehicle.....	C. D. Nirdlinger.....	757,631	Apr. 19	2864	.....	109	1986
Tire for vehicle-wheels. Pneumatic.....	A. R. Karreman and O. Del Guerra.....	775,492	Nov. 22	3950	835	113	948
Tire for vehicles. Cushioned rubber.....	R. Bell.....	772,080	Oct. 11	1749	389	112	1349
Tire for vehicles. Spring.....	A. Schaeffer.....	748,537	Jan. 5	385	831	111	1645
Tire friction-tread. Vehicle.....	L. P. Faison.....	773,722	Nov. 22	4447	941	113	1056
Tire-gage.....	F. Curran.....	752,526	Feb. 10	3279	731	108	1804
Tire grip-tread. Pneumatic.....	H. D. Weed.....	768,495	Aug. 23	4827	1011	111	2169
Tire guard. Pneumatic.....	T. L. and T. J. Sturtevant.....	759,992	May 17	2705	568	110	642
Tire guard. Pneumatic.....	L. Vanderperre-Simon.....	771,190	Sept. 27	3355	834	111	1645
Tire-heating device.....	W. E. Honion.....	768,226	Aug. 23	4285	901	111	2045
Tire-heating machine or apparatus.....	A. B. Drake.....	768,524	Aug. 23	4883	1023	111	2181
Tire. Inflatable vehicle.....	J. W. Farnoff.....	777,617	Dec. 13	2276	500	113	1912
Tire-inflating apparatus.....	E. Girard.....	759,568	Mar. 1	674	151	109	149
Tire-inflating device. Pneumatic.....	F. Glassup.....	767,402	Aug. 16	2571	542	111	1645
Tire-inflating pump.....	S. E. Spence.....	773,305	Nov. 23	5044	1205	113	1354
Tire-inflator.....	F. H. Geisler.....	758,058	Apr. 26	3693	802	109	2187
Tire-making machine. Pneumatic.....	U. P. Smith.....	753,813	Mar. 1	1196	269	109	257
Tire-mold.....	C. G. Fawkes.....	770,896	Sept. 27	3374	712	112	809
Tire-moulding apparatus.....	E. B. Price.....	752,415	Feb. 2	3084	684	108	1761
Tire. Multiple-tube pneumatic.....	H. G. Fiske.....	750,633	Jan. 26	4112	890	108	958
Tire. Non-collapsible.....	J. T. Dickey and C. D. Derry.....	767,043	Aug. 9	1855	391	111	1476
Tire non-slipping device.....	H. David.....	776,213	Oct. 25	4380	926	112	1972
Tire nut-tightening device.....	P. Lorang.....	760,373	Aug. 2	274	53	111	635
Tire or other flexible tubular article. Pneumatic.....	A. H. Marks.....	773,495	Dec. 27	4049	883	113	2348
Tire or other flexible tubular article. Pneumatic.....	A. H. Marks.....	778,496	Dec. 27	4050	883	113	2348
Tire or other tubular flexible article. Pneumatic.....	A. H. Marks.....	778,497	Dec. 27	4051	883	113	2349
Tire. Pneumatic.....	H. E. Irwin.....	752,228	Feb. 16	2705	599	108	1681
Tire. Pneumatic.....	J. Dupont.....	734,645	Mar. 15	2874	627	109	660
Tire. Pneumatic.....	C. W. Maxon.....	761,777	June 7	327	65	110	1515
Tire. Pneumatic.....	G. Steinberg.....	768,501	June 14	1736	373	110	1834
Tire. Pneumatic.....	T. Midgley.....	762,740	June 14	2235	485 486	110	1940
Tire. Pneumatic.....	H. G. Fittler.....	764,936	July 12	2143	443	111	496
Tire. Pneumatic.....	H. A. Palmer.....	766,463	Aug. 2	635	135	111	1178
Tire. Pneumatic.....	G. H. Hastings.....	768,278	Aug. 23	4383	921	111	2067
Tire. Pneumatic.....	J. Farnley.....	768,684	Aug. 30	5250	1105	111	2278
Tire. Pneumatic.....	M. M. Mills.....	773,216	Oct. 25	4202	889	112	1933
Tire. Pneumatic.....	C. H. Pierce.....	773,588	Nov. 1	106	32	113	20
Tire. Pneumatic.....	E. H. Seidion.....	774,730	Nov. 15	2450	529	113	882
Tire. Pneumatic.....	F. R. Keith.....	775,824	Nov. 22	4637	983	113	1096
Tire. Pneumatic.....	C. E. Duryea.....	776,550	Dec. 6	364	78	113	1509
Tire. Pneumatic.....	J. F. de Savignac.....	777,979	Dec. 20	3030	667	113	2112
Tire. Pneumatic.....	P. Magnus.....	778,136	Dec. 20	3325	730	113	2175
Tire-protecting device. Pneumatic.....	E. Lapsis.....	770,080	Sept. 13	1773	375	112	417
Tire protective band. Pneumatic.....	H. Brookes.....	750,249	Jan. 26	3997	734	108	804
Tire-protector.....	J. L. Brown.....	758,029	Apr. 19	3628	785	109	2153
Tire protector. Pneumatic.....	L. Nioré.....	755,310	Mar. 22	4102	906	109	943
Tire protector. Pneumatic.....	J. P. Burnham.....	771,926	Oct. 1	149	33	112	963
Tire protector. Vehicle.....	F. B. Hayden.....	750,647	Jan. 26	4185	897	108	963
Tire-repairer.....	C. C. Deschenes.....	752,826	Feb. 23	3880	870	108	1955
Tire. Resilient.....	S. T. Richardson and R. Price.....	771,272	Oct. 4	103	23	112	984
Tire-rim.....	C. G. Fawkes.....	776,047	Nov. 29	5094	1075	113	1217
Tire-rolling machine.....	F. Eymann.....	748,534	Jan. 5	385	75	108	19
Tire. Rubber.....	G. H. Dryden.....	732,891	Feb. 23	4048	898	108	1984
Tire. Rubber.....	A. H. Marks.....	759,456	May 10	1781	360	110	423
Tire. Rubber.....	J. Holland.....	762,310	June 14	1345	288	110	1752
Tire. Rubber.....	A. S. Krotz.....	763,909	June 28	4532	988	110	2481
Tire. Rubber.....	E. S. Roberts.....	764,009	July 5	183	32	111	44
Tire. Rubber.....	A. S. Krotz.....	769,172	Sept. 6	69	18	112	16
Tire. Rubber.....	J. P. Byers.....	775,361	Nov. 23	3683	782	113	890
Tire. Rubber vehicle.....	R. B. Price.....	732,416	Feb. 16	3086	685	108	1761
Tire. Rubber vehicle.....	R. B. Price.....	732,417	Feb. 16	3089	685	108	1762
Tire. Safety.....	A. F. Sherwood.....	756,536	Apr. 5	167	145	109	1485
Tire-securer device.....	M. A. Heath.....	759,438	May 10	1753	353	110	417
Tire-setter.....	E. Cederstrom.....	772,403	Oct. 18	2415	529	112	1519
Tire-setting machine. Rubber.....	J. M. Sweet.....	772,068	Oct. 11	1723	1383	112	1344
Tire-shield.....	R. B. Ayres.....	777,768	Dec. 20	2553	556	113	2019
Tire shoe-protector. Wheel.....	C. A. Worthington.....	778,708	Dec. 27	4546	996	113	2458

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Tire. Spring.....	L. Herz.....	765,835	July 26	3896	890	111	887
Tire-tightener.....	T. De La Mare.....	751,721	Feb. 9	1790	398	108	1443
Tire-tightener.....	C. T. Umsted.....	757,697	Apr. 19	2388	649	109	2014
Tire-tightener.....	N. T. Leveritt.....	767,649	Aug. 16	3068	641	111	1757
Tire-turning apparatus. Roll.....	T. L. and T. J. Sturtevant.....	759,644	May 10	2155	443	110	505
Tire-upsetting machine.....	W. H. Wolfe.....	765,868	July 26	3949	848	111	890
Tire-upsetting machine. Wheel.....	L. F. Fairbanks.....	771,050	Sept. 27	3675	774	112	876
Tire-valve.....	G. H. F. Schrader.....	777,812	Dec. 20	2666	586	113	2041
Tire valve. Pneumatic.....	J. E. Keller, Jr.....	750,982	Feb. 2	373	90	108	1140
Tire valve. Pneumatic.....	J. E. Keller, Jr.....	764,181	July 5	435	85	111	94
Tire. Vehicle.....	J. E. Keller, Jr.....	771,154	Sept. 27	3889	820	112	923
Tire. Vehicle.....	J. Q. Work.....	749,880	Jan. 19	2611	557	108	619
Tire. Vehicle.....	E. F. McArdle.....	750,000	Jan. 19	2935	627	108	689
Tire. Vehicle.....	M. Nirdlinger.....	758,205	Feb. 23	4620	1029	108	2122
Tire. Vehicle.....	H. E. Irwin.....	753,401	Mar. 1	331	75	109	74
Tire. Vehicle.....	M. V. Rush.....	758,920	Mar. 8	1419	319	109	327
Tire. Vehicle.....	P. W. Litchfield.....	755,147	Mar. 22	3799	837	109	883
Tire. Vehicle.....	W. H. Sewell.....	755,711	Mar. 29	4859	1080	109	1127
Tire. Vehicle.....	M. A. Kennedy.....	757,199	Apr. 12	1970	480	109	1780
Tire. Vehicle.....	A. C. Hills.....	757,923	Apr. 19	3415	739	109	2107
Tire. Vehicle.....	J. H. Scholding.....	759,184	May 3	215	218	110	244
Tire. Vehicle.....	G. L. Nilson.....	760,237	May 17	331	695	110	779
Tire. Vehicle.....	T. M. Arnold.....	760,370	May 17	3536	745	110	829
Tire. Vehicle.....	J. A. Swinehart.....	761,335	May 31	5507	1173	110	1291
Tire. Vehicle.....	C. Motz.....	763,996	July 5	142	24	111	37
Tire. Vehicle.....	G. W. Whittemore.....	764,092	July 5	167	63	111	37
Tire. Vehicle.....	W. P. Cronin.....	764,270	July 5	731	146	111	159
Tire. Vehicle.....	N. Crane.....	764,519	July 5	1252	257	111	273
Tire. Vehicle.....	G. H. Sherman.....	764,639	July 12	1532	313	111	351
Tire. Vehicle.....	B. F. Kenna.....	767,348	Aug. 9	2459	515	111	1603
Tire. Vehicle.....	C. Lein.....	767,606	Aug. 16	2902	625	111	1742
Tire. Vehicle.....	H. Lutz.....	767,949	Aug. 16	3640	770	111	1880
Tire. Vehicle.....	J. H. W. Fitzgerald.....	769,069	Aug. 30	6018	1261	111	2451
Tire. Vehicle.....	W. E. Andrew.....	770,791	Sept. 27	3152	668	112	761
Tire. Vehicle.....	W. R. Howe.....	771,640	Oct. 4	890	186	112	1137
Tire. Vehicle.....	J. A. Swinehart.....	771,947	Oct. 11	1466	338	112	1284
Tire. Vehicle.....	J. A. Swinehart.....	773,686	Oct. 18	2867	330	112	1615
Tire. Vehicle.....	C. Olson.....	772,818	Oct. 18	3230	702	112	1691
Tire. Vehicle.....	R. S. Graham.....	775,272	Nov. 15	3484	735	113	826
Tire. Vehicle.....	A. H. Marks.....	777,293	Dec. 13	1619	359	113	1801
Tire. Vehicle.....	A. H. Marks.....	777,294	Dec. 13	1620	359	113	1801
Tire. Vehicle-wheel.....	H. A. Palmer.....	753,422	Mar. 1	392	91	109	86
Tire. Vehicle-wheel.....	J. A. Swinehart.....	758,646	Mar. 1	817	183	109	177
Tire. Vehicle-wheel.....	W. H. Sewell.....	755,712	Mar. 29	4861	1080	109	1128
Tire. Vehicle-wheel.....	C. J. Pigeon.....	760,147	May 17	3145	657	110	741
Tire. Vehicle-wheel.....	C. C. Worthington.....	763,536	June 28	3911	824	110	2328
Tire. Vehicle-wheel.....	C. Burnett.....	770,345	Sept. 20	2921	489	112	559
Tire. Vehicle-wheel.....	G. R. Fenner and F. W. Trash.....	777,719	Dec. 13	1956	432	113	1875
Tire. Vehicle-wheel pneumatic.....	G. R. Fenner and F. W. Trash.....	777,719	Dec. 20	2459	540	113	1967
Tire-welding clamp.....	C. S. Blaker.....	769,530	Sept. 6	772	166	112	175
Tire. Wheel.....	J. P. Donovan.....	760,109	May 17	3060	640	110	723
Tire. Wheel.....	A. H. Marks and W. M. Metzler.....	766,467	Aug. 2	1017	213	111	1267
Tire. Wheel.....	A. H. Marks.....	777,292	Dec. 13	1619	358	113	1801
Tire with fastening-strips. Solid elastic.....	H. G. Fiske.....	773,633	Nov. 1	191	42	113	47
Tires. Apparatus for the manufacture of vehicle.....	M. Nirdlinger.....	753,800	Mar. 1	158	36	109	37
Tires. Detachable flange for rubber.....	C. W. Kelsey.....	764,132	July 5	437	85	111	95
Tires. Friction-block for vehicle.....	C. D. Heaton.....	773,142	Oct. 25	4029	854	112	1895
Tires in continuous lengths. Vulcanizing.....	G. A. Ludington.....	754,078	Mar. 8	1704	379	109	392
Tires in rim-channels. Tool for seating rubber.....	W. S. Jacobs.....	748,933	Jan. 5	773	167	108	176
Tires. Inflating-pump for pneumatic.....	N. F. Canepa.....	761,446	May 31	5715	1217	110	1840
Tires. Machine for equipping vehicle-wheels with rubber.....	G. E. Linn.....	755,885	Mar. 29	3239	1158	109	1213
Tires. Machine for inserting transverse wires in solid-rubber.....	A. E. Ellinwood.....	754,552	Mar. 15	2690	584	109	624
Tires. Machine for making outer casings for double-tube.....	F. A. Seiberling and W. C. Stevens.....	762,561	June 14	1878	404	110	1865
Tires. Manufacturing cushion.....	M. Nirdlinger.....	753,204	Feb. 23	4618	1029	108	2121
Tires. Manufacturing vehicle.....	M. Nirdlinger.....	753,206	Feb. 23	4623	1030	108	2122
Tires. Metal securing-rim for elastic wheel.....	J. M. Sweet.....	772,069	Oct. 11	1726	384	112	1344
Tires of bicycles, &c. Means for removing the rubber.....	S. Nicolson.....	759,123	May 8	1058	215	110	241
Tires, &c., on wheels. Means for setting.....	T. Gare.....	758,747	May 3	342	68	110	84
Tires. Puncture-plug for pneumatic.....	F. A. Sieverling.....	767,697	Dec. 6	461	102	113	1529
Tires. Puncture-proof cover for pneumatic.....	J. D. Bohelman.....	777,718	Dec. 20	2458	510	113	1997
Tires. Shaping rubber wheel.....	F. S. Ornstein.....	757,497	Aug. 2	1017	213	111	1559
Tires to fellys. Mechanism for securing rubber.....	J. R. Place and N. A. Keys.....	758,605	Dec. 13	1619	358	113	1801
Tires to vehicle-wheels. Device for attaching rubber.....	L. Kilgallon.....	751,177	Feb. 2	734	168	108	1314
Tires to wheels. Means for attaching elastic.....	H. Sheaf and H. A. Stonard.....	765,045	July 12	2320	483	111	523
Tires. Vulcanizer for repairing.....	H. K. Raymond.....	751,881	Feb. 6	745	163	113	1560
Titanous compound and making same.....	H. Spence.....	758,710	Mar. 8	1704	379	109	392
Toaster.....	E. Shupe.....	761,014	May 24	4836	1027	110	1129
Toaster. Bread.....	E. J. Whittlesey.....	767,368	Aug. 9	2495	522	111	1610
Toaster, broiler, &c.....	G. J. Widenhofer.....	758,472	Apr. 26	4511	969	109	2367
Toaster or broiler.....	M. J. Reapa.....	776,283	Nov. 29	5540	1173	113	1318
Tobacco box and cutter. Combined.....	G. R. Wilson.....	752,497	Feb. 16	3230	730	108	1793
Tobacco-clamp.....	J. A. Hill.....	760,121	May 17	3062	644	110	728
Tobacco drier.....	R. C. Dick.....	754,285	Mar. 8	2098	465	109	476
Tobacco-hoisting apparatus.....	B. C. and F. Duwel.....	770,427	Sept. 27	3032	649	112	738
Tobacco-leaf-sizing machine.....	C. E. Pope.....	759,190	May 3	1192	243	110	270
Tobacco-leaf-sizing machine.....	H. Schumacher.....	771,941	Oct. 11	1454	331	112	1252

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &	Vol.	Page.
Tobacco-leaf-stemming machine	W. C. Briggs	750,160	Jan. 19	3229	696	108	750
Tobacco-leaf-stemming machine	W. C. Briggs	750,161	Jan. 19	3234	697	108	751
Tobacco-leaves. Machine for the treatment of.	G. A. Marier	758,765	May 3	371	75,76	110	90
Tobacco-making mold. Plug-	R. E. Ellis	773,008	Oct. 25	3607	780	112	1795
Tobacco-pipe	I. L. Hauser	748,729	Jan. 5	329	73	108	73
Tobacco-pipe	J. W. Hayes	749,190	Jan. 12	1298	280	108	318
Tobacco-pipe	W. C. Cunningham	749,266	Jan. 12	1465	313	108	354
Tobacco-pipe	W. E. Dooley	750,950	Feb. 2	323	76	108	1129
Tobacco-pipe	J. Pareis	754,338	Mar. 8	2189	486	109	495
Tobacco-pipe	J. Berchold	754,840	Mar. 15	3261	709	109	447
Tobacco-pipe	I. Neuberger	755,527	Mar. 22	4491	998	109	1025
Tobacco-pipe	C. W. McKinney	763,504	June 28	3751	809	110	2315
Tobacco-pipe	I. A. Heald	764,125	July 5	424	83	111	92
Tobacco-pipe	H. E. J. Morgan	765,394	July 19	2988	625	111	683
Tobacco-pipe	L. Demuth	767,265	Aug. 9	2309	484	111	1571
Tobacco-pipe	W. Disch	767,801	Aug. 16	3338	706	111	1818
Tobacco-pipe	J. D. Freeman	768,444	Aug. 23	4732	992	111	2149
Tobacco-pipe	F. H. Bowly	768,508	Aug. 23	4851	1017	111	2175
Tobacco-pipe	R. S. Koch	769,546	Sept. 6	796	171	112	180
Tobacco-pipe	L. D. Koch	772,942	Oct. 25	3482	755	112	1767
Tobacco-pipe	C. H. Rideout	775,407	Nov. 22	3774	739	113	911
Tobacco-pipe	W. K. Horn	775,624	Nov. 22	4238	899	113	1016
Tobacco-pipe	H. Willis	778,817	Dec. 27	4644	1015	113	2481
Tobacco-pipe and cigar or cigarette holder	J. J. Kelly	751,923	Feb. 9	2132	480	108	1533
Tobacco-pipe cutter	H. Smith	771,281	Oct. 4	118	27	112	988
Tobacco-pouch	O. Van Cole	775,259	Nov. 15	3456	730	113	820
Tobacco-pouch	E. G. Lundquist	776,790	Dec. 6	653	144	113	1570
Tobacco press. Plug-	G. W. Forsberg	763,744	June 28	4207	917	110	2414
Tobacco puller. Plug-	J. Goldsmith	751,848	Feb. 9	1983	451	108	1498
Tobacco-sample binding machine	L. A. Pearson	762,491	June 14	1721	367	110	1833
Tobacco-smoking pipe	W. E. Clarke	773,925	Nov. 1	794	165	113	183
Tobacco-smoking pipe	J. C. Gable	777,948	Dec. 20	2962	651	113	2069
Tobacco-stem-crushing machine	E. Qvester	761,101	May 31	5057	1073	110	1194
Tobacco-stems, &c. Treating.	F. Lauhoff	772,892	Oct. 18	3372	733	112	1725
Tobacco stemming and booking machine	P. J. Hart	778,362	Dec. 27	3783	706	113	2291
Tobacco-stemming machine	L. D. Lorentz, J. C. Buchanan, and A. O. Travis.	765,585	July 19	3363	707	111	762
Tobacco-stemming machine	E. C. Phillips	766,466	Aug. 2	642	137	111	1179
Tobacco-stripping machine	J. G. Havens	764,053	July 5	277	33, 54	111	63
Tobacco-stripping machine	J. G. Havens	764,845	July 12	1950	401	111	443
Tobacco-stripping machine	F. G. Frankenberg	776,018	Nov. 29	5045	1064	113	1206
Tobacco. Treating.	J. L. Daniels, Jr	771,355	Oct. 4	272	112	110	1018
Tobacco-truck	J. A. Gardner	751,628	Feb. 9	1566	355	108	1410
Toboggan-slide	B. B. Floyd	749,130	Jan. 5	1161	246	108	269
Toe-swage	D. C. Joy	750,389	Jan. 26	3622	780	108	837
Toilet apparatus. Combination	H. S. Hale	763,178	June 31	3039	667	110	2132
Toilet apparatus. Combination	H. S. Hale	763,280	June 31	3225	709	110	2193
Toilet appliance	J. E. Smith	755,181	Mar. 22	3862	853	109	895
Toilet article	E. E. Cleveland	750,168	Jan. 19	3248	700	108	754
Toilet article	M. Kohner	759,450	May 10	1773	358	110	421
Toilet-chair	G. W. Hessler	752,551	Feb. 16	3328	741	108	1817
Toilet-comb	W. Winans	766,450	Aug. 2	694	146	111	1192
Toilet kit	A. M. Schneider	753,520	Mar. 1	576	132	109	125
Toilet-stand	A. C. Dowd	750,439	Jan. 26	3751	815	108	885
Toilet-table and traveling-trunk combined. Lady's.	J. L. Jacob	757,661	Apr. 19	2916	634	109	1998
Tomato-skinning machine	J. E. Trimble	759,773	May 10	2294	499	110	558
Tongs. Adjustable	J. W. Watson	768,333	Aug. 23	4333	912	111	2056
Tongs. Clicker	C. Clear	755,454	Mar. 22	4371	968	109	1002
Tongs for furnace-charging cranes.	C. L. Taylor	760,582	May 24	3963	1840	110	942
Tongs. Household	J. H. Spangler	749,110	Jan. 5	1127	229	108	261
Tongs. Metal	J. R. Oakley	757,389	Apr. 12	2256	492	109	1839
Tongs or clamp	P. A. Orth	753,620	Mar. 1	764	170	109	166
Tongs or grapple	H. Sawyer	749,330	Jan. 12	1599	339	108	384
Tongue construction. Vehicle	S. L. Geddes and E. G. O'Brien	770,718	Sept. 20	3008	639	112	711
Tongue-shaping machine	C. W. Borg	769,980	Sept. 13	1600	341	112	377
Tongue-support	M. S. Evans	775,811	Nov. 22	4612	977	113	1091
Tongue-support	H. W. Hartwig	776,321	Nov. 29	5600	1187	113	1331
Tongue-support. Two-wheel	A. J. Weaver	768,922	Aug. 30	3727	1204	111	2338
Tongue support. Vehicle	C. H. Chapman	751,206	May 31	5242	1112	110	1235
Tongue-switch	G. M. Ervin	752,892	Feb. 23	4010	898	108	1984
Tongue-switch	E. B. Etwisley	765,660	July 26	3536	747	111	814
Tongue-switch	G. M. Ervin	765,662	July 26	3539	747	111	815
Tongue-switch	P. Lavelle	765,669	July 26	3552	750	111	818
Tongue-switch	H. G. Isenberg	773,013	Oct. 25	3913	782	112	1797
Tongue-switch	I. K. Dixon	773,551	Nov. 1	39	9	113	13
Tongue. Vehicle	M. R. Bruner	749,837	Jan. 19	2624	561	108	621
Tongue. Vehicle	H. P. Baltzer	750,933	Feb. 2	286	67	108	1120
Tongue. Vehicle	P. Furst	769,604	Sept. 6	890	192	112	262
Too-great-speed alarm	G. Rouaix	757,640	Apr. 19	2881	627	109	1991
Tool	D. Morris	759,733	May 10	2311	480	110	539
Tool	C. N. Schooley	771,328	Oct. 4	215	47	112	1066
Tool	A. J. Meier	773,214	Oct. 25	4152	887	112	1632
Tool and back-rest holder	B. M. W. Hanson	748,726	Jan. 5	322	73	108	71
Tool attachment	A. Jarvis and W. H. Lane	756,197	Mar. 29	5784	1278	109	1329

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g	Vol.	Page.
Tool. Combination.	J. Jenkins	750,284	Jan. 26	3464	749	108	880
Tool. Combination.	E. Grunden	751,727	Feb. 9	1740	394	108	1445
Tool. Combination.	A. A. Bickle	754,739	Mar. 15	3059	668	109	703
Tool. Combination.	H. Schmidt and V. Iskiyan	754,819	Mar. 15	3133	696	109	732
Tool. Combination.	J. M. Clark and J. C. Crume	760,613	May 24	4928	857	110	957
Tool. Combination.	J. Wagniere and G. W. Van Alstyne	761,272	May 31	5379	1144	110	1264
Tool. Combination.	S. P. Watt	766,083	July 26	4361	986	111	987
Tool. Combination.	A. Buckley	766,938	Aug. 9	1414	285	111	1375
Tool. Combination.	F. Spalding	769,196	Sept. 6	5077	27	112	35
Tool. Combination.	W. W. McLeod	770,380	Sept. 20	2374	500	112	571
Tool. Combination.	W. A. Millican	772,624	Oct. 15	2848	625	112	1611
Tool. Combination.	A. P. Berggreen	776,987	Dec. 6	1050	227	113	1660
Tool. Compound.	W. W. Helle and R. Brockman	756,854	Apr. 12	1277	284	109	1632
Tool. Compound.	A. O. Monismith	758,070	Apr. 26	3730	810	109	2193
Tool. Compound.	J. J. McGrath	758,925	May 3	699	140	110	163
Tool. Compound.	A. L. Gheen	763,745	June 28	4210	918	110	2415
Tool. Compound.	W. P. McDowell	772,574	Oct. 18	2759	607	112	1193
Tool-dresser.	J. S. Brown	750,941	Feb. 2	305	72	108	1585
Tool. Electrically-heated.	J. I. Ayer	748,573	Jan. 5	14	6	108	6
Tool. Electrically-heated.	T. Van Aller	767,777	Aug. 16	3287	694	111	1806
Tool feed and speed changing device. Machine.	R. K. Le Blond and W. F. Groene	763,770	June 28	4248	925	110	2423
Tool feed and speed changing device. Machine.	R. K. Le Blond and W. F. Groene	763,912	June 28	4338	990	110	2433
Tool. Fluid-pressure.	A. Palmros and C. W. Damron	760,195	May 17	3236	679	110	762
Tool. Fluid-pressure impact.	J. E. McCauley	751,671	Feb. 9	1634	371	108	1424
Tool. Hand.	W. W. Barton	763,352	June 28	3453	745	110	2251
Tool-handle.	I. S. Davidson	753,241	Mar. 1	49	13	109	13
Tool-handle.	D. Tappan	756,734	Mar. 15	1037	219	110	843
Tool-handle.	M. D. Converse	758,825	May 3	488	97	110	618
Tool-handle.	T. A. Weston	759,948	May 17	2733	574	110	1148
Tool-handle.	W. B. Swan	760,282	Sept. 6	290	68	112	62
Tool-handle.	H. S. Southall	769,504	Sept. 6	732	156	112	164
Tool-handle.	H. O. Keferstein	770,570	Sept. 27	3515	741	112	843
Tool-handle.	C. McKee	772,738	Oct. 13	3088	673	112	1663
Tool-handle. Detachable.	W. Ashert	770,413	Sept. 20	2425	512	112	582
Tool handle. Pneumatic.	J. Keller	752,982	Feb. 23	4221	941	108	2332
Tool handle. Pneumatic.	C. H. Peck	758,100	Apr. 26	3780	821	109	2026
Tool handle. Pneumatic.	C. H. Keller	762,560	June 14	2156	539	110	1996
Tool handle. Pneumatic.	W. H. Keller	762,861	June 14	2488	839	110	1996
Tool-hanger.	E. B. Wiles	757,987	Apr. 19	3541	766	109	2134
Tool-holder.	B. M. W. Hanson	748,725	Jan. 5	320	72	108	71
Tool-holder.	M. M. W. Hanson	750,108	Jan. 19	3140	675	108	731
Tool-holder.	O. P. Roberge and J. J. Brabant	752,563	Feb. 23	3948	865	108	1970
Tool-holder.	C. A. Edlund	759,093	May 3	983	199	110	223
Tool-holder.	D. Hepp	763,605	June 28	3926	854	110	2332
Tool-holder.	J. R. Gülerest	766,144	July 26	4495	962	111	1018
Tool-holder.	H. W. Borchers	767,036	Aug. 9	1855	389	111	1474
Tool-holder.	J. Hunter (Reissue)	12,269	Sept. 20	3031	645	112	716
Tool-holder.	C. Hunter	770,366	Sept. 27	3510	740	112	842
Tool-holder.	F. P. Pteghar	773,338	Oct. 25	4441	941	112	1985
Tool-holder.	L. C. Wilcox	777,359	Dec. 13	1760	391	113	1832
Tool-holder. Adjustable.	J. X. Mathieu and J. F. Pullan	776,250	Nov. 29	5191	1162	113	1908
Tool-holder. Self-tightening.	E. S. Costa	762,592	Aug. 23	4064	867	111	197
Tool-holding attachment.	T. J. Gorman	759,434	May 10	1745	353	110	415
Tool. Impact.	W. Secher and L. W. Greve	761,414	May 31	5656	1204	110	1326
Tool-locking device. Pneumatic.	C. F. W. A. Oetting	768,294	Aug. 23	4415	928	111	2074
Tool. Machinist's combination.	S. Friedman	764,937	July 12	2144	443	111	487
Tool-motor.	W. H. Roes	765,100	July 12	2433	507	111	544
Tool. Motor-operated hand.	A. W. Clarke	751,261	Feb. 2	917	209	108	1252
Tool-motor. Portable.	P. La Court	709,751	Sept. 13	1169	252	112	282
Tool or cement house. Portable.	R. H. McDonald	748,637	Jan. 5	164	39	108	37
Tool. Pneumatic.	R. L. Ambrose	748,568	Jan. 5	3	1	108	3
Tool. Pneumatic.	W. H. Turnbull	750,236	Jan. 19	3373	728	108	782
Tool. Pneumatic.	W. H. Soley	754,019	Mar. 8	1601	356	109	369
Tool. Pneumatic.	C. W. Peck	754,936	Mar. 15	3473	760	109	794
Tool. Pneumatic.	W. H. Soley	755,324	Mar. 22	4129	913	109	949
Tool. Pneumatic.	W. T. Sears	757,970	Apr. 19	3503	760	109	2127
Tool. Pneumatic.	R. W. Funk	760,329	May 17	3476	732	110	816
Tool. Pneumatic.	C. C. Poole	764,498	July 5	1205	248	111	265
Tool. Pneumatic.	W. H. Soley	774,397	Nov. 8	1600	343	113	377
Tool. Pneumatic.	J. Lindstrom	774,810	Dec. 20	2394	536	113	1263
Tool. Pneumatic.	R. W. Funk	778,810	Dec. 27	3964	800	113	2266
Tool. Pneumatic.	H. Leineweber	778,319	Dec. 27	3982	803	113	2269
Tool-rack.	J. W. Danhour	766,931	Aug. 9	1674	351	111	1433
Tool. Rotary.	J. K. Kar	761,841	June 7	458	93	110	1541
Tool stop. Machine.	W. N. Orblson	767,592	Aug. 16	2357	619	111	1284
Tool-supporting apparatus. Impact.	E. Gunnell	750,967	Feb. 2	351	84	109	1135
Tool-turret mechanism.	B. M. W. Hanson	750,278	Jan. 26	3452	746	108	818
Tools. Apparatus for controlling current-supply to electrically-heated.	J. I. Ayer	748,572	Jan. 5	9	3	108	4
Tools. Electrical apparatus for working recipro-	A. D. Williamson and C. L. Sumpter	760,289	May 17	3402	717	110	800
Tools. Feed and speed changing device for machine.	R. K. Le Blond and W. F. Groene	768,603	Aug. 30	5086	1069	111	2244
Tools. Artificial.	R. L. Priest	769,631	Sept. 6	938	203	112	213
Tools. Artificial.	G. K. Kisel	772,104	Oct. 11	1798	399	112	380
Tools. Artificial.	C. A. Davis	774,045	Nov. 1	1921	218	113	230
Tools-cleaner.	J. E. Keefe	774,233	Nov. 8	1395	288	113	392
Tools-cleaning implement.	G. C. Bessonnet	754,841	Mar. 15	3262	709	109	747
Tools. Crown.	F. H. Davis	762,289	June 14	1304	279	110	1742
Tools-crown. Artificial.	W. N. Kider	756,506	Apr. 5	619	134	109	1472
Tools-crown grinder.	M. A. Coykendall	778,567	Dec. 27	2375	4175	911	1113

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Tooth-crown mounting. Artificial.	T. H. Whiteside	751,592	Feb. 9	1498	340	108	1396
Tooth-facing for bridgework or gold plates. Detachable	M. L. Leob	777,521	Dec. 13	2066	455	113	1898
Toothpick	W. W. Barnes	776,008	Nov. 29	5027	1060	113	1202
Toothpick-holder	C. P. Steinmetz	760,578	May 24	3938	830	110	841
Toothpick-machine	W. F. Hutchinson	773,570	Nov. 1	74	14, 15	113	22
Top. Movable	S. Cloutier	750,604	Jan. 26	4071	881	108	950
Top-prop	H. Higgin	749,557	Jan. 12	2075	431	108	950
Top-roll saddle	E. Dixon	754,288	Mar. 8	2102	467	109	477
Top-roll saddle	E. Dixon	754,289	Mar. 8	2103	467	109	477
Top-roll saddle	E. Dixon	757,737	Apr. 19	3040	631	109	2025
Top. Spinning	J. M. Butcher	755,446	Mar. 22	4354	964	109	998
Top. Spinning	F. Ansley	758,291	Apr. 26	4157	898	109	2287
Top. Whistling	W. Griffin	773,072	Oct. 25	3815	813	112	1843
Torch	W. H. Rose	752,711	Feb. 23	3666	817	108	1908
Torch. Acetylene-gas.	F. M. Baker	774,302	Nov. 8	1484	319	113	351
Torch. Blow	W. H. Marsh	754,472	Mar. 15	2538	554	109	591
Torch. Safety	A. Princen	764,704	July 12	1780	364	111	406
Torch. Safety	C. H. Brown	748,839	Jan. 5	537	123	108	132
Torch. Vapor	C. F. Warner	756,748	Apr. 5	1066	237	109	167
Torpedo	G. G. Turner	767,776	Aug. 16	264	204	111	1806
Torpedo adjuster and exploder. Automatic	I. V. Burris	778,401	Dec. 27	3858	841	113	2307
Torpedo. Automobile	F. M. Leavitt	748,759	Jan. 5	384	86	108	84
Torpedo. Dirigible	D. W. McCaughey	767,490	Aug. 16	2751	577	111	1688
Torpedo. Dirigible	D. W. McCaughey	767,491	Aug. 16	2757	578	111	1689
Torpedo. Dirigible	D. W. McCaughey	767,492	Aug. 16	2760	578	111	1689
Torpedo-expelling means	F. W. Brady	765,305	July 19	2739	584	111	642
Torpedo-fork	F. S. 692	753,692	Mar. 1	1921	308	108	100
Torpedo-grenade	A. Baumgart	769,884	Sept. 13	1419	303	112	338
Torpedo-placer	W. E. Matthew	751,931	Feb. 9	2147	485	108	1536
Torpedo-placer	E. N. Andrews	771,348	Oct. 4	249	55	112	1014
Torpedo-placer. Railway	F. G. Shimp and J. C. Griffin	750,713	Jan. 26	4264	925	108	991
Torpedo-placing device. Railway	E. M. Jones	762,228	June 7	1181	254	110	1697
Torpedo safety device. Automobile	E. E. Edgar	765,709	July 26	3762	801	111	858
Torpedo-shells. Safety device for oil-well	W. H. Ernst and A. Cuper, Jr.	768,564	Aug. 23	4966	1038	111	2198
Torpedoes. Motive-power combustible for automobile	H. Maxim	778,788	Dec. 27	4579	1062	113	2466
Torpedoes or other uses. Gyroscopic apparatus for steering	F. M. Leavitt	768,291	Aug. 23	4408	926	111	2073
Towel	F. Clewley	752,033	Feb. 16	2350	525	108	1598
Towel-holder	W. B. Parshall	751,406	Feb. 2	1162	265	108	1304
Towel-holder	W. J. Bernard	765,162	July 19	2553	533	111	584
Towel-machine. Coin-operated	C. O. McCasland	750,882	Feb. 2	199	46	108	1101
Towel or other rack	C. G. Dolbier	754,767	Mar. 22	3508	768	109	818
Towel-rack	P. H. Germain	748,719	Jan. 5	309	69	108	69
Towel-rack	E. D. Mulien	749,081	Jan. 5	1074	227	108	247
Towel-rack	S. A. A. Stenberg	758,600	Apr. 26	4770	1026	109	2425
Towel-rack	H. P. Kochsmeier	775,184	Nov. 15	3257	696	113	767
Towel-rack	H. A. Henderson	778,579	Dec. 27	4202	916	113	2381
Towel-ring	P. H. Germain	771,905	Oct. 11	1374	312	112	1266
Tower. Aerial whirling	J. H. Welsh	750,140	Jan. 19	3198	687	108	743
Tower for recreation or other purposes	J. W. Graydon	758,834	May 3	506	102	110	122
Tower. Rotary pleasure	W. R. Snyder	750,717	Jan. 26	4269	927	108	992
Toy	J. C. Wells	750,506	Jan. 26	3877	842	108	912
Toy	H. A. Poppenhuisen	753,109	Feb. 23	4447	989	108	2082
Toy	A. P. Ward	753,335	Mar. 1	216	49	109	49
Toy	C. A. Scadding	754,709	Mar. 15	3011	657	109	692
Toy	I. D. Worcester	755,339	Mar. 22	4163	920	109	954
Toy	I. D. Worcester	755,984	Mar. 29	5414	1196	109	1251
Toy	W. G. Turrell	757,158	Apr. 12	1895	414	109	1763
Toy	G. J. Altermatt	757,247	Apr. 12	2055	448	109	1797
Toy	J. J. Quinlan	757,567	Apr. 19	2726	596	109	1955
Toy	J. Chein	758,047	Apr. 26	3674	796	109	2184
Toy	A. M. Siebelist	758,567	Apr. 26	3769	1016	110	2412
Toy	J. M. Mills	759,732	May 10	2310	480	110	538
Toy	T. Petersen	768,422	June 28	3619	779	110	2287
Toy	C. H. Doebler	765,415	July 19	3031	634	111	692
Toy	S. Brom	769,935	Sept. 13	1527	326	112	302
Toy	E. A. Rey	770,386	Sept. 20	2384	503	112	573
Toy	J. E. Zimmerman	770,884	Sept. 27	3316	706	112	804
Toy	J. A. Swartz	771,187	Sept. 27	3951	833	112	936
Toy	E. Lane	771,649	Oct. 4	846	190	112	1140
Toy	S. Jurado	772,281	Oct. 11	2160	472	112	1441
Toy	M. Diehl	772,343	Oct. 18	2293	502	112	1492
Toy	E. Winchel	772,708	Oct. 18	3149	685	112	1675
Toy	A. Strenitz	773,169	Oct. 25	4104	868	112	1913
Toy	M. L. Wicks, Jr.	777,992	Dec. 20	3054	672	113	2117
Toy air-gun	G. Horton	765,924	July 26	4051	866	111	922
Toy air-rifle	T. W. Craven	754,051	Mar. 8	1664	370	109	383
Toy bank	A. Fouts	771,051	Sept. 27	3677	775	112	876
Toy bank	C. L. Mosher	778,424	Dec. 27	3905	850	113	2318
Toy bank. Registering	G. B. Beale	771,117	Sept. 27	3810	804	112	907
Toy bench or settee	G. H. Lennon	763,617	June 28	3947	858	110	2357
Toy block	H. B. Haeefe	756,625	Apr. 5	821	177	109	1516
Toy cannon	J. F. and J. Corr	762,885	June 21	2537	550	110	2027

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Toy carousel	J. V. Fuller	773,560	Nov. 1	52	11	113	16
Toy cash-register	W. L. Dunham	770,423	Sept. 20	2442	516	112	585
Toy. Detonating	C. Backes	751,041	Feb. 2	478	517	108	1163
Toy. Detonating	C. E. Wenzel	764,023	July 5	214	39	111	50
Toy. Electrical	J. Kelly	765,926	July 26	4055	867	111	928
Toy elevated-railway track	H. C. Ives	758,448	Apr. 26	4472	961	109	2359
Toy. Figure	A. Atkinson	772,492	Oct. 18	2605	572	112	1559
Toy figures. Means for mounting and exhibiting	A. Zollies	751,834	Feb. 9	1941	440	108	1490
Toy golf-player	P. A. Vail	750,184	Jan. 19	3185	685	108	740
Toy gun	J. B. Mason	754,583	Mar. 15	2755	600	109	635
Toy gun	F. Gale	757,292	Apr. 12	2145	469	109	1816
Toy gun	J. B. Mason	758,574	Apr. 26	4328	929	109	2325
Toy gun	R. M. Painter	765,786	July 26	3811	812	111	868
Toy gun	A. L. Reid and L. Wilson	759,319	Sept. 13	1486	313	112	333
Toy. Hollow india-rubber article used as a	F. Kuhlmann	754,148	Mar. 8	1837	410	109	422
Toy inclined railway	W. R. Austin and W. N. Craw	763,086	June 21	2810	610	110	2087
Toy jack-o'-lantern	G. E. Robinson	764,207	July 5	618	123	111	138
Toy. Locomotive	D. P. Clark	768,208	Aug. 23	4357	916	111	2061
Toy. Mechanical	L. Drescher	753,051	Feb. 23	4248	967	108	2067
Toy. Mechanical	L. D. Patten and D. Lippy	757,834	Apr. 19	3247	704	109	2069
Toy. Mechanical	T. J. Nardi	760,642	May 24	4088	869	110	970
Toy. Mechanical	B. F. Schwier	761,108	May 31	5070	1076	110	1197
Toy. Mechanical	C. W. Taft	775,950	Nov. 29	4903	1035	113	1172
Toy. Musical	W. A. Gay	761,469	May 31	5748	1226	110	1347
Toy. Optical	W. H. Zimmerman	774,632	Nov. 8	2090	455	113	479
Toy piano	N. H. Colwell	769,129	Aug. 30	6139	1283	111	2477
Toy pistol	E. J. Smith	756,988	Apr. 12	1543	340	109	1655
Toy pistol	J. Lucas	765,023	July 26	4357	475	111	514
Toy pistol	R. A. Brooks	767,280	Aug. 16	2324	329	111	1684
Toy pistol	E. A. Sanguinet	771,751	Oct. 4	1038	231	112	1181
Toy-projector	G. E. Mellen	758,674	May 3	138	30	110	33
Toy rapid-fire gun	J. Leopold and M. M. Henker	773,655	Nov. 1	224	50	113	54
Toy. Revolving	M. Moncler	760,009	May 17	2861	599	108	3078
Toy riding-horse	W. S. La Londe	768,760	Aug. 30	5389	1135	111	2310
Toy savings-bank	F. A. Lane	777,906	Dec. 20	2878	634	113	2083
Toy sliding axle	E. P. Lehmann	769,802	Sept. 13	1257	270	112	301
Toy. Sounding	R. H. A. Geistert	749,482	Jan. 12	1935	402	108	454
Toy. Spirometer	H. G. Cady	770,494	Sept. 20	2389	548	112	619
Toy-support	J. M. Ankers	769,454	Sept. 6	612	135	112	139
Toy torpedo-exploder	S. T. Hutchinson	775,974	Nov. 29	4962	1047	113	1186
Toy. Whirling	S. Bristow	771,705	Oct. 4	952	213	112	1163
Trace-carrier	C. G. Wallace	761,116	May 31	3081	1079	110	1200
Trace-carrier. Harness	J. Hebel	775,400	Nov. 22	3764	796	113	908
Trace-end supporter	D. M. Allen	758,465	Apr. 26	4351	680	109	2280
Trace-fastening	G. D. Lexner	762,593	June 14	1930	410	110	1576
Trace-holder	B. Johnson	752,560	Feb. 16	3350	745	108	1822
Trace-holder	C. A. Bertrand	755,099	Mar. 22	3714	815	109	864
Trace-holder	G. H. Fernald	775,123	Nov. 15	3149	669	113	742
Trace-holder. Whinifree	E. B. Johnson	768,212	Jan. 14	1352	290	110	1733
Trace-hook	B. T. Kinnear	750,373	Jan. 26	3827	787	108	838
Trace-hook. Releasing	W. Carter	752,029	Feb. 16	2345	524	108	1597
Tracer. Duplicating defect	E. M. Schantz	753,005	Feb. 23	4256	948	108	2040
Track and switch system	W. R. Thurston	777,050	Dec. 6	1182	258	113	1690
Track-brake. Electric	F. B. Corey	765,357	Aug. 23	4325	852	111	2097
Track. Cantaliver car	E. J. Beard	750,152	Jan. 19	3216	693	108	747
Track-claw	A. P. Nichols	758,462	Apr. 26	4495	966	109	2364
Track-cleaner	F. R. Larrabee	773,652	Nov. 1	220	49	113	53
Track-cleaner and divider	J. N. Whittinghill	774,219	Nov. 8	1394	284	113	518
Track-drilling machine	W. E. Ludlow	761,975	June 7	712	145	110	1595
Track-drying device	L. E. Herron	773,498	Oct. 25	4790	1010	112	2060
Track. Elevated	W. A. Law	777,737	Dec. 20	2495	551	113	2006
Track-fastener	H. J. Conrath and B. Baker	766,598	Aug. 2	939	198	111	1250
Track-fastener	C. H. Tibbetts	768,410	Aug. 23	4663	977	111	2196
Track-gage	A. P. Nichols	758,461	Apr. 26	4493	966	109	2363
Track-gage	R. D. Billington	770,213	Sept. 13	2028	427	112	473
Track-gage	O. Bohn	777,066	Dec. 13	1216	266	113	1714
Track-joint	J. Armitage	753,875	Feb. 23	3982	892	108	1977
Track-joint	W. J. Meeks	773,050	Dec. 27	4398	961	113	2225
Track-joint	J. Finn	750,333	Jan. 26	3394	779	108	851
Track-lubricator. Automatic	R. G. York	767,558	Aug. 16	3463	732	111	1843
Track-sander	C. Rote	757,416	Apr. 12	2408	525	109	1871
Track-sander	J. H. Watters	763,543	June 28	3823	827	110	2330
Track-sanding device	J. H. Hanlon	753,794	Mar. 1	1149	259	109	247
Track-sanding device	W. H. Kilbourn	758,141	Apr. 26	3857	837	109	2223
Track structure	L. Steinberger	755,327	Mar. 22	4134	914	109	951
Track structure	L. Steinberger	774,001	Nov. 1	938	195	113	213
Track-switch	E. Smith	765,996	June 28	4342	949	110	2440
Track-switch opening or shifting device	W. D. Simpson	754,169	Mar. 8	1878	418	109	431
Track system. Overhead	G. F. Steedman	754,396	Mar. 8	2356	515	109	531
Tracks. Means for applying sand to	T. F. Doyle and W. E. Tice	771,539	Oct. 4	642	142	112	1096
Tracker-bar	A. Angstman	778,734	Dec. 27	4476	979	113	2442
Tracker-bar. Pneumatic	P. Wuest, Jr.	770,790	Sept. 27	3150	668	112	760
Traction-coupling	G. A. Decker	751,471	Feb. 9	1270	290	108	1346
Traction device and brake. Electromagnetic	C. A. Wells	766,856	Aug. 9	1509	315	111	1395
Traction device and emergency-brake. Electro-magnetic	C. A. Wells	771,193	Sept. 27	3959	835	112	938
Traction. Electric	H. B. Greenwood	778,832	Dec. 27	4677	1023	113	2488

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &g.	Vol.	Page.
Traction-engine	F. L. Waterous	750,921	Feb. 2	267	62, 62	108	1116
Traction-engine	H. Beckwith	754,409	Mar. 15	2396	524	109	558
Traction-engine	F. C. Watson	757,985	Apr. 19	3538	525	109	2133
Traction-engine	G. M. Dickson	758,740	May 3	332	65, 66	110	82
Traction-engine	W. R. Jones	758,757	May 3	358	110	88	
Traction-engine	E. W. Stone	762,360	June 14	1442	312	110	1771
Traction-engine	W. M. Brown	762,380	June 14	1480	322	110	1780
Traction-engine	E. F. McIntire	764,016	July 12	1482	302	111	341
Traction-increasing device	R. C. Lowry	775,836	Nov. 22	4664	988	113	1102
Traction-increasing device	R. C. Lowry	775,837	Nov. 22	4665	989	113	1102
Traction-motor	E. A. Wheeler	777,824	Dec. 20	2683	590	113	2044
Traction-strap	H. P. Maxim	753,285	Mar. 1	132	32	109	33
Traction-wheel	W. E. Harris	754,214	Mar. 8	1975	439	109	451
Traction-wheel	J. P. McEwing	756,385	Apr. 5	410	82	110	1431
Traction-wheel	C. W. Kresse	762,323	June 14	1377	297	110	1739
Traction-wheel	W. D. Cottrell	769,789	Sept. 13	1225	266	112	297
Traction-wheel	E. Einfeldt	773,805	Nov. 22	4604	976	113	1090
Traction-wheel, Metal	A. C. Rogers	748,793	Jan. 5	445	99	108	100
Train-arresting device. Automatic	N. Young	772,489	Oct. 18	2599	871	112	1388
Train-control system	G. P. Whittlesey	755,823	Mar. 29	5087	1130	109	1176
Train-control system	H. E. White	768,220	Apr. 26	4017	872	109	2257
Train-controlling system. Safety	G. W. Cohen	763,964	July 5	34	6, 7	111	11
Train-lighting system. Electric	D. C. Henry	752,839	Feb. 23	3903	875	108	1959
Train-markers. Automatic wind-break for	E. M. Rife	752,801	Feb. 23	3825	858	108	1943
Train order and signaling system. Electric	J. C. Gleason	753,387	Mar. 1	306	68, 69	109	69
Train-order protector and signal-lock	F. E. Draper and E. H. Roy	776,120	Nov. 29	5231	1115	113	1247
Train-order signal	E. S. Piper	761,902	June 7	584	117	110	1569
Train-orders, messages, &c. Device for delivering	W. H. Pickett	749,093	Jan. 5	1095	231	108	252
Train-pipe couplings. Device for automatically preventing escape of air from	R. C. Pollock	749,746	Jan. 19	2456	323	108	585
Train safety device	J. L. Kuhl and G. A. Schmidt	766,631	Aug. 2	1092	210	111	1264
Train-service. Electric	M. D. Compton	752,037	Feb. 16	2356	527	108	1599
Train-signal	J. D. Landers	753,143	Mar. 22	3795	895	109	882
Train-signal	F. Feher	767,140	Aug. 9	2079	431	111	1522
Train-signal. Electric	E. M. Quittmeyer	773,263	Oct. 25	4288	907	112	1953
Train-stop. Automatic	L. H. Thullen	768,206	Aug. 23	4248	891	111	2035
Train-stop. Automatic	L. H. Thullen. (Reissue)	12,275	Oct. 18	3419	742	112	1737
Train-stopping system. Automatic	C. M. Underwood	778,343	Dec. 27	3734	815	113	2281
Train system and apparatus therefor. High-speed.	T. H. Patenall	777,971	Dec. 20	2006	662	113	2108
Train system and apparatus therefor. High-speed, permissive	T. H. Patenall	777,972	Dec. 20	3015	664	113	2110
Train. Traction-	D. Brennan, Jr	776,994	Dec. 6	1063	231	113	1663
Training-machine	C. L. Hagen	767,321	Aug. 9	2241	466	111	1555
Tram or railway point or switch and means for working same.	J. Leighton and R. Hacking	767,577	Aug. 16	2929	612	111	1737
Tramway	T. G. Gribble	760,983	May 24	4780	1017	110	1116
Tramway. Automatic aerial wire-rope	H. J. Leschen	773,656	Nov. 1	225	51	113	55
Tramway block. Gravity-	A. D. Foote	769,998	Sept. 13	1649	349	112	390
Tramway-point. Automatic	R. H. Radford	774,007	July 5	179	31	111	43
Tramway-switch. Automatic	G. A. Meighan	751,982	Feb. 9	2149	485	108	1536
Tramway-terminal	B. C. Riblet	761,610	May 31	5993	1287	110	1402
Tramways or railways having movable rails. Means for changing the tracks of	O. Pacini	762,191	June 7	1092	231	110	1676
Transfer	H. J. Berger	770,998	Sept. 27	3567	751	112	855
Transfer-pad	A. G. Porter	776,421	Nov. 29	5804	1229	113	1880
Transfer-press	J. R. Hill and J. A. Svensson	778,826	Dec. 27	4661	1018	113	2484
Transfer-table	A. Nelson	777,128	Dec. 13	1382	294	113	1739
Transfer-table power device	L. Bates	756,772	Apr. 5	1104	244	109	1579
Transferring and printing	J. E. Hesse and M. Paraf-Javal	748,604	Jan. 5	87	108	91	
Transformer	R. H. Evered	750,325	Jan. 26	3915	845	108	919
Transformer	C. B. McCurdy	752,405	Feb. 16	3061	680	108	1757
Transformer	W. A. Hall	755,766	Mar. 29	4995	1111	109	1155
Transformer	L. M. Schmidt	755,800	Mar. 29	5055	1123	109	1169
Transformer	W. S. Moody	764,485	July 5	1172	239	111	258
Transformer	W. L. Waters	776,001	Nov. 29	5013	1057	113	1199
Transformer-case	W. L. Waters	753,944	Mar. 8	1460	328	109	337
Transformer earth-shield	C. F. Scott	767,503	Aug. 16	2787	582	111	1695
Transformer. Multiphase	J. J. Frank	771,238	Oct. 4	32	7	112	968
Transformer. Multiple secondary	J. S. Peck and C. L. Fortescue	767,497	Aug. 16	2777	579	111	1693
Transit solar attachment	D. H. Blossom	768,729	Aug. 30	5332	1124	111	2297
Transits. Slope-stake attachment for engineers'	W. G. Russell	754,897	Mar. 15	3354	733	109	766
Transmission mechanism	G. and H. P. Dillig	755,635	Mar. 29	4710	1047	109	1091
Transmission of energy. Apparatus for wireless	D. M. Moore	755,032	Mar. 22	3603	791	109	839
Transmitter	E. E. Yaxley	748,906	Jan. 5	670	148	108	151

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Di'g.	Vol.	Page.
Transmitter.....	H. C. Rose.....	765,635	July 19	3457	730	111	782
Transmitter-arm.....	H. J. Guttman.....	761,671	June 7	93	16	110	1458
Transmitter attachment.....	W. V. Dean.....	776,728	Dec. 6	521	113	113	1542
Transmitter-fronts, &c. Machine for marking.....	W. Kaisling.....	756,649	Apr. 5	837	187	100	1524
Transmitter. Reversible.....	S. T. Simmons and W. T. Moore.....	754,832	Mar. 15	3212	700	100	736
Transmitting intelligence through the natural mediums.	D. Drawbaugh.....	752,534	Feb. 16	3296	734	108	1810
Transmitting mechanism.....	J. J. Kooman.....	765,633	July 19	3437	724	111	778
Transom-lift.....	B. Phelps.....	758,685	May 3	154	33	110	38
Transom-lifter.....	W. T. Adams.....	772,600	Oct. 18	2801	617	112	1602
Transom-lifter.....	H. L. Trimmer.....	773,352	Oct. 25	4471	946	112	1992
Transom side bearing.....	M. Dorn.....	754,979	Mar. 22	3512	769	109	818
Transplanter. Beet.....	H. Hunter.....	754,370	Mar. 8	2303	503	109	520
Transport apparatus.....	L. Streuli.....	773,901	Nov. 1	736	157	113	169
Trap.....							
See Animal-trap. Insect-trap.							
Animal or fish trap. Liquid-trap.							
Automatic trap. Moth and insect trap.							
Basin-trap. Mouse-trap.							
Bird-trap. Pipe-trap.							
Cage-trap. Rat-trap.							
Drain-trap. Sewer-trap.							
Dust-trap. Steam-trap.							
Expansion-trap. Target-trap.							
Fish-trap. Vermin-trap.							
Fish and game trap. Waste-trap.							
Flea-trap. Water-trap.							
Fly-trap. Water-seal trap.							
Gopher-trap. Water-sealing trap.							
Grease-trap. Wolf-trap.							
Trap.....	G. W. Hazel.....	749,380	Jan. 12	1703	361	108	406
Trap.....	O. B. Burroughs.....	763,850	June 28	4415	960	110	2457
Trap.....	J. A. Kray.....	764,066	July 12	1591	325	111	364
Trap.....	W. E. Dean.....	765,121	July 12	2470	516	111	553
Trap.....	B. N. Wynne.....	765,869	July 26	3950	844	111	899
Trap.....	R. O. Tilden.....	770,129	Sept. 13	1865	396	112	437
Trap.....	H. H. Holmes.....	770,640	Sept. 20	2860	608	112	678
Trap.....	J. Crawford.....	771,812	Oct. 11	1172	262	112	1224
Trap and waste-outlet for set tubs, &c.....	J. Holmes.....	773,569	Nov. 1	72	14	113	21
Traps. Automatic control for return.....	C. A. Southwick.....	749,973	Jan. 19	2877	616	108	676
Traveling bag, case, &c.....	C. H. Anderson.....	775,343	Nov. 22	3644	771	113	881
Traveling carrier.....	D. M. Motherwell.....	756,204	Apr. 5	140	28, 29	109	1873
Traveling case.....	W. T. Richards.....	758,019	Apr. 19	3638	731	109	2150
Traveling case.....	W. D. Chase.....	758,170	Apr. 26	3904	848	109	2224
Traveling hanger.....	F. B. Cook.....	762,281	June 14	1284	276	110	1739
Trawl-net hauling-gear.....	J. R. Scott.....	753,168	Feb. 23	4553	1015	108	2106
Tray.....	J. S. Duncan.....	764,354	July 5	904	184	111	198
Tray.....	S. Rubin.....	777,921	Dec. 20	2909	640	113	2089
Tray or table. Self-tilting.....	R. Harvey and C. J. Bruce.....	770,287	Sept. 20	2208	460	112	533
Tray. Revolving.....	A. Bruebach.....	777,492	Dec. 13	2012	444	113	1887
Treadle.....	A. Tétraut.....	778,721	Dec. 27	4455	975	113	2438
Treadle mechanism for light machinery.....	J. Wiebe.....	749,651	Jan. 12	2237	471	108	520
Treating material.....	E. N. Trump.....	748,894	Jan. 5	648	144	108	145
Treatment of material. Apparatus for continuous.....	W. H. Gesner.....	771,141	Sept. 27	3260	815	112	917
Tree-coupling.....	E. O. Hodgson.....	775,922	Nov. 29	4829	1023	113	1155
Tree extracting and transporting device. Fruit.....	W. C. Mason.....	765,586	July 19	3368	709	111	764
Tree-holder.....	B. W. Polly.....	772,905	Oct. 18	3403	739	112	1733
Tree-holding device.....	E. L. Arthur.....	778,095	Dec. 20	3240	712	113	2156
Tree-protector.....	L. B. Haggerty.....	770,461	Sept. 20	2507	532	112	599
Tree-tapping tool.....	W. E. Fish.....	761,397	May 31	5580	1188	110	1309
Trees. Spring-board attachment for felling.....	C. W. Schilling.....	766,394	Aug. 2	502	107	111	1151
Trellis. Vine.....	J. Seelhorst, Jr.....	775,683	Nov. 22	4376	924	113	1041
Trench-digger.....	J. Helm.....	737,459	Apr. 19	2494	547	109	1904
Trenching-machine.....	H. J. Bentson.....	750,934	Feb. 2	287	69	108	1121
Trestle.....	L. O. Claybaugh.....	777,001	Dec. 6	1079	234	113	1666
Trestle. Adjustable.....	W. A. Drummond.....	758,130	Apr. 26	3840	834	109	2219
Trestle. Folding extension.....	W. G. Read.....	764,865	July 12	1987	410	111	451
Trestle. Folding extension.....	W. G. Read.....	764,866	July 12	1988	410	111	452
Trestle-frame.....	G. H. Smyth.....	755,182	Mar. 22	3863	853	109	895
Tricycle.....	C. J. Madonna.....	763,190	June 21	3128	672	110	2159
Tricycle propelling-gear.....	O. Heynsloh.....	758,251	Apr. 26	4070	881	109	2269
Trigonometrical meter.....	H. C. Percy.....	771,663	Oct. 4	875	196	112	1146
Trimmer.....							
See Artichoke-trimmer. Sewing-machine trimmer.							
Hoof-trimmer. Trimmer.							
Lawn-edge trimmer. Turf-trimmer.							
Paper-trimmer. Wick-trimmer.							
Trimming fabric.....	B. Branner.....	774,555	Nov. 8	1956	424	113	452
Trimming-machine.....	N. M. Schuster.....	754,818	Mar. 15	3206	698	109	735
Trip mechanism.....	W. Spalckhaver.....	758,709	May 3	257	51	110	67
Trip-sling.....	W. M. Cain.....	762,135	June 7	997	206	110	1654
Triple-cylinder engine.....	W. W. Kelly.....	751,924	Feb. 9	2133	480	108	1533
Tripod.....	G. F. Smith.....	752,423	Feb. 16	3104	688	108	1766
Tripod.....	W. S. Gerts.....	765,175	July 19	2572	537	111	592
Tripod.....	A. R. Selden.....	768,154	Aug. 23	4141	871	111	2015

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. E.	Vol.	Page.
Tripod.	W. S. McKinney.	769,447	Sept. 6	601	131	112	136
Tripod, Folding.	R. P. Palmer.	757,766	Apr. 19	3115	679	109	2040
Trisurator.	I. S. Goldman.	774,067	Nov. 1	1063	113	112	628
Trolley.	W. D. Williams.	449,509	Jan. 12	1990	413	108	465
Trolley.	J. Kelly.	751,298	Feb. 2	988	224	108	1267
Trolley.	T. F. Wetton.	752,737	Feb. 23	3710	828	108	1918
Trolley.	A. C. Calderwood.	753,542	Mar. 1	626	142	109	137
Trolley.	A. S. Deem.	759,554	Mar. 1	651	147	109	143
Trolley.	C. M. Wilson.	756,550	Apr. 5	697	150	109	1490
Trolley.	C. E. Smith.	757,786	Apr. 19	3165	687	109	2053
Trolley.	E. E. Gillingham and D. E. Hunt- ley.	759,433	May 10	1744	353	110	415
Trolley.	P. A. Overdier.	760,079	May 17	2990	625	110	709
Trolley.	J. S. Weckman and R. J. Millard.	760,828	May 24	4490	956	110	1054
Trolley.	J. A. Lavery.	761,000	May 24	4808	1023	110	1123
Trolley.	J. H. Walker.	761,564	May 31	5917	1268	110	1384
Trolley.	J. H. Walker.	761,566	May 31	5921	1369	110	1386
Trolley.	J. H. Walker.	761,567	May 31	5923	1370	110	1386
Trolley.	R. K. Ortt.	762,749	June 14	3250	490	110	1943
Trolley.	G. A. Hunsinger and E. A. Dewald.	763,759	June 28	4230	922	110	2419
Trolley.	J. Q. Brown.	764,224	July 5	647	131	111	144
Trolley.	B. E. Sunny.	764,392	July 5	645	342	111	151
Trolley.	G. E. Smith.	764,688	July 12	1630	333	111	373
Trolley.	W. Selakosky.	765,516	July 19	3243	679	111	737
Trolley.	W. O. Miller.	765,850	July 26	3922	837	111	893
Trolley.	J. M. Olinger.	765,852	July 26	3925	838	111	893
Trolley.	O. Funkhouser.	766,177	Aug. 2	41	8	111	1050
Trolley.	F. C. Sullivan and L. S. Harris.	768,245	Aug. 23	4318	909	111	2052
Trolley.	L. F. Forrester.	769,070	Aug. 30	6019	1261	111	2451
Trolley.	S. Fisher and A. Sanders.	770,744	Sept. 27	3054	649	112	738
Trolley.	H. B. Clarke.	772,087	Oct. 11	1765	392	112	1353
Trolley.	P. Anderson.	772,321	Oct. 11	1829	490	112	1450
Trolley.	M. L. Beistle.	773,459	Oct. 25	4688	991	112	2038
Trolley.	W. R. Cooper.	774,043	Nov. 1	1015	217	113	229
Trolley.	J. W. Rockafellow.	774,534	Nov. 8	1911	415	113	442
Trolley.	E. L. Naret and J. R. Ernst.	775,777	Nov. 22	4546	965	113	1078
Trolley.	J. B. Elker and J. F. Tobin.	775,808	Nov. 22	4609	977	113	1091
Trolley.	W. S. Stockton.	775,867	Nov. 22	4718	998	113	1113
Trolley.	W. A. Holland.	776,064	Nov. 29	5123	1084	113	1222
Trolley.	J. S. Weckman.	778,520	Dec. 27	4002	981	113	2359
Trolley attachment.	C. Holyland, Sr.	730,458	Jan. 26	3784	823	108	892
Trolley automatic releasing device.	A. C. Wolfe.	753,345	Mar. 1	232	53	109	53
Trolley-base.	F. S. Martin.	757,824	Apr. 19	3251	701	109	2066
Trolley-base.	P. D. Milloy.	760,231	May 17	3296	692	110	776
Trolley-base.	P. D. Milloy.	762,831	June 14	2422	527	110	1981
Trolley-base and pole or arm therefor.	G. Volker, A. W. and A. Goerlitz.	767,025	Aug. 9	1826	384	111	1466
Trolley-catcher.	W. C. Young and J. McMahon.	752,139	Feb. 16	2542	566	108	1641
Trolley-catcher.	M. H. Johnson.	756,859	Apr. 12	1285	287	109	1633
Trolley-catcher.	I. W. Smith.	760,163	May 17	3179	667	110	750
Trolley-catcher.	W. M. McArthur.	771,563	Oct. 4	685	153	112	1105
Trolley-catcher.	C. F. Davy.	773,314	Oct. 25	4381	826	112	1972
Trolley-conductor cut-out.	P. G. Watmough, Jr.	764,400	July 5	1008	205	111	324
Trolley-contact.	T. F. Wetton.	772,987	Oct. 25	3569	773	112	1788
Trolley-controlling device.	H. W. Nichols.	760,801	May 24	4435	943	110	1042
Trolley-controlling device.	H. W. Nichols and S. Briggs.	769,009	Aug. 30	5899	1237	111	2426
Trolley-cord brake and take-up device.	E. H. Amet.	768,590	Aug. 23	4344	914	111	2038
Trolley-cords.	S. J. Buckland.	752,374	Feb. 16	2996	667	108	1744
Trolley-crossing.	E. R. North.	777,912	Dec. 20	2888	636	113	2085
Trolley.	G. Oudo.	766,650	Aug. 2	1048	220	111	1273
Trolley.	T. Euphrat.	777,616	Dec. 13	3275	469	113	1942
Trolley.	W. A. Daggett.	773,532	Mar. 1	648	146	109	142
Trolley.	L. M. McBride.	768,674	Aug. 30	5229	1069	111	2373
Trolley.	D. M. Shaler.	758,785	May 3	410	82	110	100
Trolley-finder.	E. S. Stitt.	752,121	Feb. 16	2511	558	108	1634
Trolley for electric railway cars.	C. J. Hanson.	750,968	Jan. 26	3620	785	108	856
Trolley for electric railways.	F. G. Allen.	769,462	Sept. 6	136	32	112	1453
Trolley for overhead-electrical-conductor systems.	E. Cantono.	749,916	Jan. 19	2177	593	108	656
Trolley-fork.	C. G. Hartman.	765,137	July 12	2497	523	111	558
Trolley-guard.	L. B. Aikens.	761,937	June 7	1	1	110	1435
Trolley-guard.	A. Christman.	764,915	July 12	2035	433	111	475
Trolley-guard.	W. Washburn.	765,216	July 19	2640	550	111	608
Trolley-guard.	J. B. Short.	775,993	Nov. 29	4992	1054	113	1192
Trolley-guard.	G. W. Watson.	777,052	Dec. 6	1188	259	113	1691
Trolley-guard.	M. H. Dorsey.	778,017	Dec. 20	3067	681	113	2126
Trolley-guard and finder.	W. F. Reichenbach.	768,509	June 28	3738	811	110	2316
Trolley-guard for electric railways.	J. Kress.	774,524	Nov. 8	1894	411	113	439
Trolley guide.	C. W. Brinkhead.	752,437	Feb. 16	3125	694	108	1770
Trolley-hanger.	M. M. Wood.	752,501	Feb. 16	3237	722	108	1794
Trolley-hanger.	M. M. Wood.	762,791	June 14	2331	509	110	1962
Trolley-hanger.	F. W. McInrae.	770,535	Dec. 6	136	32	112	1453
Trolley-harp.	E. D. Rockwell.	748,987	Jan. 5	852	183	108	197
Trolley-harp.	C. L. Hooper.	765,075	July 12	2395	499	111	536
Trolley-harp.	E. E. Warren.	765,449	July 19	3106	650	111	708
Trolley-harp.	W. Hoffman.	769,086	Aug. 30	6046	1266	111	2458
Trolley-harp.	E. D. Rockwell.	770,113	Sept. 13	1835	388	112	431
Trolley-harp.	J. Hensley.	771,472	Oct. 4	492	111	112	1063
Trolley-harp.	T. Egan.	772,280	Oct. 25	4326	914	112	1961
Trolley-harp.	A. C. Ralph.	773,938	Nov. 1	720	153	113	165
Trolley-harp and guard.	S. G. Reynolds.	778,376	Dec. 27	3809	831	113	2297
Trolley-harp device.	F. H. Allen.	749,601	Jan. 12	2145	447	108	562
Trolley harp or fork.	F. P. Crockett and O. P. Johnson.	750,818	Feb. 2	60	13	108	1070

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Trolley-head	P. D. Hean and J. J. Egan	758,445	Apr. 26	4467	960	109	2358
Trolley-head	S. Bourgeois	765,544	July 19	3293	690	111	747
Trolley-head	E. V. Newcomb	777,691	Dec. 20	2409	829	113	1987
Trolley head and wheel	J. W. Sharp	777,698	Dec. 30	2423	533	113	1991
Trolley head, Electric	T. C. Cherry and E. H. Olive	783,960	Mar. 29	5440	1262	109	1256
Trolley-head for electric tram-cars	W. Willenbücher	772,638	Oct. 18	2869	631	112	1616
Trolley-hook for manipulating self-loading grabs	F. K. Hoover and A. J. Mason	754,652	Mar. 15	2886	631	109	603
Trolley-line reel, Automatic.	C. F. Davy	750,825	Feb. 2	76	17	108	1074
Trolley mechanism	J. H. Walker	761,565	May 31	5919	1268	110	1385
Trolley, Multiple	J. S. Briggs	764,418	July 5	1039	212	111	231
Trolley-operated electric switch	J. J. Ruddick	776,808	Dec. 6	684	151	113	1577
Trolley, Overhead	C. C. Chambers	764,039	July 5	248	46	111	58
Trolley, Overhead	W. J. Sumner	764,692	July 12	1638	334	111	374
Trolley, Overhead	J. G. Johnston	775,627	Nov. 22	4261	900	113	1017
Trolley, Overhead-track	W. J. Sumner	764,780	July 12	1807	370	111	412
Trolley-pole	J. J. Tartt	750,739	Jan. 26	4935	371	108	1009
Trolley-pole	E. A. Wakefield and G. W. Morse	756,547	Apr. 5	692	149	109	1489
Trolley-pole	J. Furgason	760,330	May 17	3479	732	110	816
Trolley-pole	A. W. Morgan	760,641	May 24	4086	869	110	970
Trolley-pole	C. F. Ritchel	761,611	May 31	5997	1288	110	1408
Trolley-pole	S. A. Weaver	763,820	June 28	4364	948	110	2446
Trolley-pole	C. Jones	764,194	July 5	380	115	111	128
Trolley-pole	W. E. Harmon	775,531	Nov. 22	4032	850	113	966
Trolley-pole	C. H. Spangler	776,954	Dec. 6	987	212	113	1644
Trolley-pole	A. L. Prentiss	777,304	Dec. 13	1640	364	113	1806
Trolley-pole	J. L. Young	777,351	Dec. 13	2207	385	113	1929
Trolley-pole contact	J. J. Lacknor and A. J. Curtis	774,085	Nov. 1	1098	234	113	248
Trolley-pole controller	H. R. De Long and R. Seymour	766,935	Aug. 9	1675	352	111	1434
Trolley-pole controller	M. O. Dolson	768,789	Aug. 30	5441	1146	111	2322
Trolley-pole head	R. I. E. Dunn	760,184	May 17	3215	674	110	758
Trolley-pole head	J. E. Greenwood	750,736	May 24	4304	914	110	1015
Trolley-pole head	J. E. Greenwood	765,008	July 12	2250	465	111	507
Trolley-pole head	J. E. Greenwood	765,004	July 12	2252	465	111	508
Trolley-pole head	J. E. Greenwood	767,939	Aug. 16	3626	767	111	1875
Trolley-pole safety device	P. McCullough, T. Blaney, and R. Barron	757,630	Apr. 19	2862	624	109	1986
Trolley-protector	J. H. Best, Jr.	761,574	May 31	5933	1272	110	1389
Trolley-replacer	F. A. Nolan	753,617	Mar. 1	760	169	109	165
Trolley-restorer	E. L. Calahan	768,325	Aug. 23	4468	938	111	2085
Trolley-retractor	R. H. Ham	764,807	July 12	1862	383	111	423
Trolley-retriever	W. W. Hoffman and F. W. Powers	769,085	Aug. 30	6029	1265	111	2455
Trolley-road-crossing	J. M. Collins	751,900	Feb. 9	2079	470	108	1521
Trolley, Safety	W. M. Gruner and W. C. Fink	758,592	Apr. 26	4755	1024	109	2422
Trolley, Self-rolling	F. Hachmann	768,121	Aug. 23	4084	859	111	2002
Trolley-signal	C. H. Morse	761,848	June 7	475	87	110	1546
Trolley-signal	C. H. Morse	773,334	Oct. 25	4434	940	112	1984
Trolley-stand	W. H. Kilbourn	749,301	Jan. 12	1537	327	108	369
Trolley-stand	J. Kermath	749,795	Jan. 19	2547	541	108	604
Trolley-switch for block-signal systems	B. Stenvall	767,018	Aug. 9	1816	381	111	1464
Trolley system for overhead electric lines	J. Weatherby, Jr.	772,547	Oct. 18	4265	592	112	1278
Trolley-track	J. B. Kline	775,276	Nov. 15	3490	736	113	838
Trolley-track, Overhead	C. A. Gower	776,836	Dec. 6	760	165	113	1593
Trolley-track rail	A. J. Glor and W. P. West	764,939	July 12	2147	444	111	487
Trolley-track switch, Overhead	W. H. Spiller	762,955	June 21	3675	579	110	2058
Trolley-track switch, Overhead	W. L. Clark	754,127	Mar. 8	1803	402	109	414
Trolley-wheel	W. J. Sumner	764,781	July 12	1809	371	111	412
Trolley-wheel	J. E. Palmer	751,749	Feb. 9	1788	408	108	1455
Trolley-wheel	J. S. Fletcher and D. H. Waters	758,355	Apr. 26	4292	922	109	2318
Trolley-wheel	J. S. Briggs	762,379	June 14	1478	322	110	1779
Trolley-wheel	S. J. Hanlin	762,825	June 14	2405	523	110	1978
Trolley-wheel	J. T. McCafferty	766,766	Aug. 2	1281	272	111	1326
Trolley-wheel	E. W. Potts	767,954	Aug. 16	3654	771	111	1885
Trolley-wheel	F. Stral	768,959	Aug. 30	5799	1218	111	2103
Trolley-wheel	W. T. Wilkinson	769,884	Sept. 13	1373	293	112	329
Trolley-wheel	J. N. Drake	771,423	Oct. 4	419	94	112	1046
Trolley-wheel	R. E. Briggs	773,048	Oct. 25	3704	736	112	1816
Trolley-wheel	J. J. Bouchard	773,708	Nov. 1	337	74	113	80
Trolley-wheel and harp	M. L. Mowry	775,347	Nov. 22	4683	991	113	1106
Trolley-wheel, Ball-bearing	F. W. Garrett and J. D. Forrer	739,267	Mar. 17	2606	546	110	620
Trolley-wheel controller	J. A. Norton	763,016	July 21	1776	402	110	2080
Trolley-wheel guard	B. F. Jackson	771,206	Sept. 27	3982	843	112	942
Trolley-wheel guard	C. O. Phillips	760,145	May 17	3141	657	110	741
Trolley-wheel guard	C. W. Leslie	761,308	May 31	5460	1169	110	1281
Trolley-wheel guard for electric wires	J. L. Sullivan	777,018	Dec. 6	1190	257	113	1689
Trolley-wheel retainer	J. A. Kilpatrick	773,473	Mar. 15	3125	681	109	718
Trolley-wheel, Self-lubricating	E. W. Potts	767,955	Aug. 16	3656	772	111	1885
Trolley-wheel, Self-rolling	E. D. McDonald	778,793	Dec. 27	4598	1004	113	2470
Trolley-wire clamp and feed-wire support	T. E. Burniss	776,735	Dec. 6	550	120	113	1548
Trolley-wire clip	A. E. Holaday	765,874	July 26	4150	886	111	944
Trolley-wire finder	W. Barnhurst	753,833	Mar. 8	1251	281	109	290
Trolley-wire hanger	A. Neubert	768,863	Aug. 30	5603	1178	111	2357
Trolley-wire hanger cut-out	G. Hall	766,692	Aug. 2	1141	237	111	1294
Trolley-wire holder	J. B. Ratliff	777,468	Dec. 13	1963	434	113	1877
Trolley-wire replacer	F. M. Hall	764,571	July 5	955	192	111	212
Trolley-wire splice and support, Combined	A. B. Allison	773,621	Nov. 1	168	36	113	42
Trolley-wire support	W. H. Spiller	772,298	Oct. 11	2190	479	112	1448
Trolley-wire suspension	M. T. A. Kubierschky and P. E. Herkner	768,606	Aug. 30	5082	1067	111	2243

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Trolley-wire system. Overhead	C. de Kandó	771,875	Oct. 11	1311	296	112	1253
Trolley-wires. Crosstown-arch for intersecting	A. Neubert	768,864	Aug. 30	5604	1178	111	2358
Trolley-wires. Ear for carrying overhead	F. Morris	773,089	Oct. 25	3846	831	112	1850
Trolleys. Lighting electric	W. Burling	771,295	Oct. 4	148	33	112	998
Trolleys. Means for operating overhead	A. E. Brown	767,862	Aug. 16	3471	734	111	1845
Trolling-spoon	R. C. Hornung	770,558	Sept. 27	3296	695	112	792
Trombone	J. Heald	771,012	Sept. 27	3593	757	112	860
Trough:							
See Animal-trough. Feed-trough.							
Extensible trough. Hog-trough.							
Trousers	S. A. Bieberstein	749,605	Jan. 13	2151	448	108	508
Trousers	D. Lyons	751,741	Feb. 9	1772	403	108	1452
Trousers-creaser	E. C. Chandler	752,141	Feb. 16	2547	567	108	1642
Trousers-creaser and presser	E. Graham	750,186	Jan. 19	3276	706	108	760
Trousers. Foot-ball	W. T. Stall	759,765	May 10	2379	497	110	554
Trousers. Foot-ball	W. T. Stall	759,833	May 10	2336	528	110	586
Trousers-guard	P. C. Cullen	777,715	Dec. 20	2449	539	113	1567
Trousers-hanger	W. S. Lee	761,868	June 7	569	113	110	1567
Trousers-hanger	H. F. Norton	768,330	Aug. 23	4496	945	111	2091
Trousers-leg mud-guard	D. J. Terzian	763,029	June 21	2794	606	110	2084
Trousers-press	G. F. Rooney	759,919	May 17	2651	503	110	637
Trousers-press	E. Graham	760,194	May 17	3235	678	110	761
Trousers-press	O. M. Morse	766,645	Aug. 2	1080	216	111	1269
Trousers-pressing device	S. M. Friede	762,041	June 7	826	169	110	1616
Trousers-protector	R. Fox	770,000	Sept. 13	1653	350	112	391
Trousers-protector	J. Lux	771,021	Sept. 27	3623	762	112	865
Trousers-stretcher	H. Tuttle	753,182	Feb. 23	4573	1013	108	2110
Trousers-stretcher	A. Holmer	763,608	June 28	3932	855	110	2354
Trousers-stretcher	W. S. Wallace	770,134	Sept. 13	1872	398	112	498
Trousers-stretcher and creaser	E. G. O'Connor	774,267	Nov. 8	1419	303	113	336
Trousers-stretcher and hanger	L. Geisert	769,694	Sept. 13	1066	229	112	260
Trousers stretching and pressing device	F. Stevens	751,217	Feb. 2	820	189	108	1232
Trowel	H. G. Meyer	760,496	May 24	3738	792	110	892
Trowel	G. Meyers	761,242	May 31	5320	1130	110	1251
Trowel-handle	W. Smith	751,356	Feb. 2	1084	245	108	1288
Trowel. Scoop	C. F. Hawksworth	762,307	June 14	1339	287	110	1750
Truck	W. G. Price	732,759	Feb. 23	3822	858	108	1942
Truck	W. G. Price	733,627	Mar. 1	777	173	109	169
Truck	C. E. Davis	754,545	Mar. 15	2679	582	109	631
Truck	J. C. Depew	757,280	Apr. 12	2115	461	109	1810
Truck	P. Grabler	759,985	May 17	2821	590	110	670
Truck	A. O. Smith	763,698	June 28	4122	899	110	2394
Truck	W. C. Buckelew	764,344	July 5	877	179	111	192
Truck	F. Thompson	765,211	July 19	2633	549	111	607
Truck	W. G. Price and E. Peckham	767,660	Aug. 16	3086	645	111	1761
Truck	J. E. Kelly	770,327	Sept. 20	2652	681	112	882
Truck	H. Wetzel	772,014	Oct. 11	1597	362	112	1315
Truck	W. I. and G. S. Hunt	772,358	Oct. 18	2335	512	112	1500
Truck	J. Moore	774,445	Nov. 8	1735	374	113	405
Truck	H. C. Harrington and W. M. Towers	774,664	Nov. 8	2148	470	113	492
Truck	R. W. Grunske	775,138	Nov. 15	3162	672	113	745
Truck	E. Peckham	776,030	Nov. 29	5068	1059	113	1211
Truck and brake. Car	G. Rouy	764,770	July 12	1791	367	111	408
Truck and hoist. Barrel	E. B. Little	750,671	Jan. 26	4181	907	108	973
Truck and hoist. Combined	D. Z. Clay	750,166	Jan. 19	3245	700	108	753
Truck and shovel. Combined	F. Erickson	771,134	Sept. 27	3840	811	112	915
Truck and skid. Combined	N. E. Drury	778,640	Dec. 27	4328	945	113	2411
Truck. Barrel	S. B. Mansfield	770,436	Sept. 20	2466	523	112	590
Truck-bolster	F. R. Cornwall	762,386	June 14	1487	324	110	1781
Truck-bolster	W. H. Scott	762,443	June 14	1614	351	110	1808
Truck-bolster and bearing therefor. Car	E. Cliff	750,548	Jan. 26	3588	777	108	850
Truck-bolster. Car	J. M. Hopkins	768,901	Aug. 30	5680	1194	111	2377
Truck-bolster. Car	G. G. Floyd	775,559	Nov. 23	4125	867	113	986
Truck-bolster. Car	G. G. Floyd	776,899	Dec. 6	879	189	113	189
Truck-bolster. Cast	A. Stucki	776,813	Dec. 6	701	155	113	1581
Truck-bolster center-bearing	C. T. Westlake	758,228	Apr. 26	4015	871	109	2857
Truck-bolster. Metallic	E. C. Washburn	756,920	Apr. 12	1406	313	109	1658
Truck-bolster or other beam. Car	S. A. Crone	762,286	June 14	1299	278	110	1741
Truck-bolster. Railway-car	C. F. Street	750,731	Jan. 26	4330	935	108	1007
Truck-bolster. Railway-car	C. F. Street	759,137	May 3	1079	219	110	245
Truck-bolster support. Car	J. Green	776,285	Nov. 29	5467	1137	113	1303
Truck-bolster support. Railway-car	S. A. Bemis	762,610	June 14	1966	424	110	1883
Truck brake. Mill	C. L. Houghton	764,291	July 5	769	157	111	170
Truck brake-rigging. Railway	F. L. Clark	763,961	July 5	26	5	111	8
Truck. Car	J. C. Barber	752,946	Feb. 23	4149	923	108	2014
Truck. Car	W. G. Price	753,626	Mar. 1	774	172	109	168
Truck. Car	H. Tesseymann	754,027	Mar. 8	1616	360	109	372
Truck. Car	H. C. Buhoup	754,045	Mar. 8	1644	366	109	378
Truck. Car	F. G. Koehler	755,887	Mar. 29	5227	1155	109	1210
Truck. Car	J. A. Brill and W. S. Adams	761,353	May 31	5538	1181	110	1298
Truck. Car	J. A. Brill and W. S. Adams	761,354	May 31	5548	1182	110	1302
Truck. Car	J. C. Barber	762,871	June 21	2519	545	110	2023
Truck. Car	R. H. Parks	764,760	July 12	1773	362	111	404
Truck. Car	E. Peckham	765,989	July 26	4177	891	111	949
Truck. Car	R. C. Wright and F. E. Stebbins	769,370	Sept. 6	466	104	112	105

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Truck. Car.	C. T. Westlake.	773,309	Oct. 25	4375	924	112	1971
Truck. Car.	J. Green	773,544	Nov. 1	62	13	113	18
Truck. Car.	R. P. Lamont.	774,437	Nov. 8	1724	370	113	408
Truck. Car.	H. M. Pfleger and C. H. Howard.	774,492	Nov. 8	1829	397	113	425
Truck. Car.	E. A. Curtis	775,207	Nov. 15	3306	706	113	779
Truck. Car.	J. H. Graham	775,271	Nov. 15	3481	735	113	826
Truck. Car.	J. C. Wands	777,574	Dec. 13	2185	480	113	1924
Truck. Car.	J. C. Wands	777,575	Dec. 13	2188	481	113	1925
Truck. Car.	J. Green	777,726	Dec. 20	2470	544	113	2000
Truck. Car.	H. C. Buhoup	778,739	Dec. 27	4483	982	113	2444
Truck construction. Car.	R. C. Wright and F. E. Stebbins	759,369	Sept. 6	460	108	112	102
Truck-driving mechanism	J. McFlyer	776,080	Nov. 6	5159	1089	113	1231
Truck. Electric-car.	E. Clift	751,835	Feb. 9	1959	445	108	1493
Truck. Electric-car.	W. Dalton	776,303	Nov. 29	5569	1180	113	1325
Truck. Electric-car.	W. Dalton	776,304	Nov. 29	5571	1181	113	1325
Truck. Elevating.	W. M. Scott.	759,558	May 10	1980	404	110	468
Truck. Elevating.	T. F. Gorman and W. L. Riley	761,230	May 31	5271	1119	110	1240
Truck. Elevating.	A. A. Scott	763,027	June 21	2792	606	110	2084
Truck equalizing-bar	S. A. Bemis	759,230	May 10	1340	267	110	325
Truck for handling metal	E. W. Lindquist	774,587	Nov. 8	2017	440	113	464
Truck for rolling-stock. Bogie.	R. C. Wright and F. E. Stebbins	769,674	Sept. 6	1018	221	112	232
Truck-frame. Railway-car.	C. T. Westlake	758,229	Apr. 26	4016	872	109	2257
Truck-frame. Railway-car.	S. A. Bemis	761,648	June 7	27	5	110	1442
Truck frames. Device for lifting railway.	W. Schott	757,507	Apr. 19	2395	568	109	1926
Truck. Freight-handler's	A. W. Cash	771,091	Sept. 27	379	771	110	737
Truck. Hand.	T. Burrows	751,053	Feb. 2	497	115	108	1168
Truck. Hand.	E. J. Bryan	756,096	Mar. 29	5021	1240	109	1295
Truck. Hand.	J. E. Minter	759,459	May 10	1785	361	110	424
Truck. Hand.	L. T. Cox and J. W. Forbes	770,355	Sept. 20	2330	491	112	561
Truck. Hand.	J. C. and F. R. Peck	773,027	Oct. 25	3657	780	112	1806
Truck. Lateral-motion car.	E. C. Washburn	757,832	Apr. 19	3381	711	109	2076
Truck. Logging.	A. H. Hancock	772,234	Oct. 11	2073	453	112	1420
Truck. Lumber.	W. J. Daley	767,635	Aug. 16	3049	637	111	1753
Truck. Maximum-traction	J. A. Brill	760,179	May 17	3329	673	110	736
Truck. Maximum-traction	W. S. Adams	760,180	May 17	3310	673	110	737
Truck. Maximum-traction	W. S. Adams	760,292	May 17	3407	719	110	801
Truck. Maximum-traction	W. S. Adams	760,293	May 17	3408	719	110	801
Truck. Maximum-traction	W. S. Adams	760,294	May 17	3409	719	110	801
Truck. Maximum-traction	W. S. Adams	761,347	May 31	5524	1178	110	1265
Truck. Maximum-traction car.	W. S. Adams	760,291	May 17	3406	718	110	801
Truck. Maximum-traction car.	J. A. Brill	760,380	May 17	3560	750	110	835
Truck. Motor.	W. L. Austin	751,243	Feb. 2	878	201	108	1243
Truck or wagon frame cover	N. Nicolai	759,628	May 10	2121	436	110	497
Truck. Pedestal.	J. M. Hansen	752,290	Feb. 16	2836	630	108	1709
Truck. Railway.	C. Nordell	749,947	Jan. 19	2836	606	108	668
Truck. Railway.	A. Stucki	752,308	Feb. 16	2871	639	108	1716
Truck. Railway.	W. E. Ludlow	758,990	May 3	807	163	110	186
Truck. Railway-car	A. K. Mansfield and S. M. Felton	760,134	May 17	3111	650	110	735
Truck. Railway-car	G. H. Poor	761,994	June 7	745	153	110	1692
Truck. Railway safety.	J. Dev.	751,476	Feb. 9	1379	392	108	1343
Truck. Rocker side-bearing	J. C. Wands	753,766	Mar. 1	1055	241	109	227
Truck. Roller side-bearing	J. C. Wands	753,767	Mar. 1	1056	241	109	227
Truck side frame	T. M. Gallagher	763,043	June 7	829	170	110	1617
Truck swing-bolster. Railway-car.	S. A. Bemis	762,611	June 14	1968	425	110	1884
Truck. Swivel.	W. L. McCabe	767,911	Aug. 16	3556	733	111	1864
Truck. Transfer.	T. Fleming	768,275	Aug. 23	4379	919	111	2066
Truck-transom.	F. M. Jones	766,885	Aug. 9	1572	330	111	1409
Truck-transom-bolster. Railway-car.	S. A. Bemis	761,650	June 7	32	6	110	1443
Truck-transom. Car.	C. T. Westlake	776,281	Nov. 29	5537	1173	113	1517
Truck. Warehouse.	A. E. R. Blomquist	771,804	Oct. 11	1155	238	112	1220
Truck wheel and bearing	G. F. Armstrong	772,201	Oct. 11	2001	441	112	1404
Truck. Wheeled	A. C. Jr., and C. P. McGuirk, Sr.	770,773	Sept. 27	3115	661	112	753
Truck. Wrought-metal railway-car	E. Kaylor.	774,672	Nov. 8	2163	473	113	495
Truck. Wrought-metal railway-car	E. Kaylor.	774,673	Nov. 8	2166	474	113	496
Trucks. Adjustable hook for hand.	G. M. Vickers, Jr.	757,793	Apr. 19	3179	690	109	2056
Trucks, &c. Antiriftion mechanism for railway-car bogie	J. E. Cooper	764,428	July 5	1060	216	111	235
Trucks. Driving connection for motor.	R. L. Morgan	765,292	July 19	2772	578	111	636
Trucks from cars. Device for releasing	R. L. Riley	766,147	Feb. 16	3171	706	108	1789
Trucks. Pneumatic sander for car.	C. A. Pratte	755,539	Mar. 22	4513	1004	109	1032
Trucks. Wear-take-up device for railway-car	S. A. Bemis	761,649	June 7	31	6	110	1443
Trunk	J. H. Beasley	753,033	Feb. 23	4319	960	108	2054
Trunk	S. J. A. H. Villmow	757,328	Apr. 19	2639	578	109	1985
Trunk	L. B. Taylor	760,356	May 17	3518	740	110	825
Trunk	P. Steiger	761,424	May 31	5676	1208	110	1330
Trunk	F. Janik	762,636	June 14	2018	437	110	1895
Trunk	E. W. Hawley	763,305	June 28	3519	764	110	2272
Trunk	J. P. Clark	765,138	July 12	2482	519	111	555
Trunk	P. Steiger	772,682	Oct. 18	2862	660	112	1636
Trunk	H. S. Sutton	772,684	Oct. 18	2905	651	112	1637
Trunk	H. Romänder	774,921	Nov. 15	2720	584	113	642
Trunk and desk. Combined.	T. McCabe, Jr.	775,731	Nov. 22	4461	944	113	1060
Trunk attachment	O. A. Bremer and F. H. Grothe	764,056	July 12	3518	320	111	359
Trunk-catch	J. P. Clark	762,685	June 14	2119	461	110	1916
Trunk, &c., catch.	J. P. Clark	765,127	July 12	2480	519	111	555
Trunk. Combination.	C. P. Weil	762,216	June 7	1140	244	110	1688
Trunk. Convertible	R. Guenette	776,738	Dec. 6	553	121	113	1549
Trunk. Convertible bed.	G. W. Shade and P. S. Knapp	772,966	Oct. 25	3531	764	112	1780

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Trunk corner guard or protector	W. G. Fowler	774,575	Nov. 8	1993	433	113	460
Trunk dowel-pin and fastener	O. Rangnow	761,332	May 31	5485	1167	110	1286
Trunk dowel-pin and lift	O. Rangnow	738,383	Apr. 26	4342	923	109	2329
Trunk-fastener	E. Weber	737,739	Jan. 26	4349	930	108	1012
Trunk-fastening	T. J. Livsie	773,948	Nov. 1	834	175	113	192
Trunk garment-holding attachment	D. W. Curtiss	749,959	Jan. 19	2855	610	108	671
Trunk garment-supporter	M. N. Drucker	762,989	June 21	2721	591	110	2668
Trunk-guard	J. Billy and F. A. Beaudoin	749,522	Jan. 12	2012	418	108	471
Trunk-handle	C. L. Sanford	731,685	Feb. 9	1660	377	108	1429
Trunk-harness	D. W. King, Jr.	765,895	July 26	3997	853	111	910
Trunk-lock	E. C. Horner	759,278	May 10	1437	287	110	349
Trunk-protector	J. Haigh	754,302	Mar. 8	2133	472	109	483
Trunk. Sample-display	J. L. Tandy	768,091	Aug. 23	4009	843	111	1986
Trunk-stay	C. H. Terry	766,917	Aug. 9	1630	343	111	1422
Trunk-strap	R. Forbes	749,782	Jan. 19	2526	537	108	599
Trunk-strap	R. J. Nunn	759,305	May 10	1488	298	110	360
Trunk. Wardrobe	A. D. Seaman	753,743	Mar. 1	1014	230	109	218
Trunk. Wardrobe	A. D. Seaman	753,744	Mar. 1	1015	230	109	219
Trunk. Wardrobe	F. H. Parkhurst	768,683	Aug. 30	5247	1104	111	2274
Trunk. Wardrobe	M. N. Drucker	771,598	Oct. 11	1359	309	112	1261
Trunion for shutters, &c	J. H. French	767,558	Aug. 16	2892	605	111	1719
Truss	J. Harris	749,555	Jan. 12	3073	431	112	367
Truss	D. T. Foley	732,445	Feb. 10	3140	698	108	1774
Truss	J. E. Lee	760,217	May 17	3276	688	110	771
Truss	H. B. Morris	765,293	July 19	2774	579	111	636
Truss	J. M. Simmons	767,718	Aug. 16	3183	667	111	1783
Truss	B. Lindman	769,952	Sept. 13	1552	321	112	367
Truss	F. L. Molyneux	772,664	Oct. 18	2916	640	112	1626
Truss. Adjustable	M. O. Hallowell	758,440	Apr. 26	4460	959	109	2356
Truss. Cardiac	E. Abée	775,342	Nov. 22	3643	771	113	881
Truss for ruptures	B. J. Douds	753,664	Mar. 1	898	204	109	195
Truss. Hernia	C. P. Norris	754,386	Mar. 8	2320	499	109	523
Truss. Hernia	E. M. Crolius	760,615	May 24	4031	857	110	957
Truss-pad	O. C. Ross	760,253	May 17	3338	702	110	785
Truss-pad	A. E. Johnson	776,914	Dec. 6	903	194	113	1626
Truss-pad-fastening device	J. E. Lee	756,122	Mar. 29	5676	1252	109	1306
Tub:							
See Bath-tub.	Washtub.						
Foot-tub.							
Tub-hoop	A. Clausung	777,183	Dec. 13	1419	314	113	1737
Tube:							
See Collapsible tube.	Roentgen tube.						
Drill-tube.	Roentgen-ray tube.						
Electric vacuum dis-	Sampling-tube.						
charge-tube.	Speaking-tube.						
Flexible tube.	Spirally-wound tube.						
Heat-conducting	Vacuum-tube.						
tube.	Vessel sighting-tube.						
Mailing-tube.	X-ray tube.						
Tube-bending machine		757,593	Apr. 19	2778	607	109	1968
Tube-cleaner	E. T. Davis	754,854	Mar. 15	3287	716	109	752
Tube-cleaner	G. C. Quasebarth	770,313	Sept. 20	2258	473	112	545
Tube-coating machine	J. W. Howell	755,777	Mar. 29	5014	1115	109	1159
Tube-cutter	J. J. Roush	772,062	Oct. 11	1711	381	112	1341
Tube-cutter	G. Wiedeke	778,293	Dec. 27	3633	793	113	2359
Tube-cutting machine	F. R. Stafford	771,732	Oct. 4	1088	231	112	1181
Tube-expander	J. S. Hill	751,731	Feb. 9	1752	398	108	1448
Tube-expander	H. Greatorox and A. Hoh.	769,134	Aug. 30	6145	1285	111	2479
Tube-expander	G. Wiedeke	771,889	Oct. 11	1389	303	112	1239
Tube-expander	J. J. Byers	773,050	Oct. 25	3707	797	112	1816
Tube expander and cutter	H. F. Weinland	778,727	Dec. 27	4462	977	113	2440
Tube expanding, beading, and cutting tool	H. G. Lykken	761,518	May 31	5828	1246	110	1366
Tube-fastening	O. Carr	772,641	Oct. 18	2875	633	112	1617
Tube-flanges. Machine for attaching	W. W. Doolittle	766,227	Aug. 2	164	30, 31	111	1078
Tube-forming machine	J. H. Schlafly	766,531	Aug. 2	795	167	111	1215
Tube-furnace. Rotatory electric	H. N. Potter	758,891	Apr. 12	1350	300	109	1646
Tube-lifting device for conveying-troughs	J. J. Boax	774,376	Nov. 8	1615	347	113	380
Tube-making apparatus.	M. Wikstrom and A. C. Morse	778,816	Dec. 27	4639	1013	113	2480
Tube-making machine	H. Inman	756,500	Apr. 5	611	132	109	1471
Tube-making machine. Spiral	H. W. Morrow	766,962	Aug. 9	1722	361	111	1444
Tube-making machinery	V. Royle	751,108	Feb. 2	596	137	108	1187
Tube or flue cleaner	T. J. Hart	761,586	May 31	5950	1277	110	1393
Tube or flue cleaner	J. J. Byers	776,452	Nov. 29	5868	1240	113	1394
Tube or flue cleaners while moving through the tubes or flues. Device for turning	C. S. Dean	771,613	Oct. 4	775	172	112	1124
Tube or roll forming machine	C. Surmann and R. D. Douglas	749,144	Jan. 5	1135	941	108	262
Tube or spool making apparatus	R. Binns	775,512	Nov. 22	3992	843	113	958
Tube-retainer	A. W. Plassmann	770,982	Sept. 27	3536	745	112	849
Tube-scraper	E. M. Smith, W. H. Carpenter, and E. B. Weidknecht.	754,952	Mar. 15	3465	759	109	792
Tube-welding machine	W. Byrd	771,123	Sept. 27	2821	807	112	910
Tubes. Apparatus for forming tapered	E. F. Tafel	765,053	July 12	2353	468	111	528
Tubes, &c. Apparatus for loosening adhering particles from hot	F. Hosenfeldt	772,337	Oct. 18	2334	512	112	1500
Tubes. Apparatus for safe-ending	P. H. Seery	767,665	Aug. 16	3094	647	111	1768
Tubes. Apparatus for the production of	A. E. Beck and G. Townsend	770,997	Sept. 27	3565	751	112	854

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Tubes. Bending.....	G. F. Atwood.....	757,592	Apr. 19	2777	607	109	1967
Tubes. Device for forming and sizing closed-end.....	W. C. Anderson and F. L. Argall.....	778,210	Dec. 27	3457	761	113	2221
Tubes from refractory material. Production of.....	E. Thomson.....	761,111	May 31	5075	1077	110	1198
Tubes, &c. Machine for glazing.....	J. Conde.....	760,104	May 17	3052	658	110	722
Tubes, &c. Machinery for making seamless metal.....	B. F. McTear.....	771,883	Oct. 11	1325	902	112	1257
Tubes, &c. Machinery for the manufacture of metallic.....	W. U. Jackson and F. H. Lloyd.....	752,980	Feb. 23	4216	340	108	2031
Tubes, &c. Manufacture of.....	B. F. McTear.....	765,673	July 26	3558	753 754	111	819
Tubes. Manufacturing.....	L. O. Bentel.....	755,436	Mar. 22	4389	961	109	995
Tubes. Mechanism for flanging the ends of.....	A. F. Nordenskjöld.....	758,145	Apr. 25	3864	838 839	109	2225
Tubes or hollow bodies. Manufacture of.....	B. F. McTear.....	763,566	June 28	3864	857	110	2340
Tubes, pipes, &c. Apparatus for cleaning.....	F. Nowotny.....	775,679	Nov. 22	4371	922	113	1040
Tubes, rods, &c. Drawing-machine for.....	L. C. Smith.....	766,291	Aug. 2	313	64	111	1110
Tubing.....	M. M. Nicholls.....	752,700	Feb. 23	3642	811	108	1902
Tubing fastening. Sectional.....	O. P. Buckland.....	760,963	May 24	4737	1007	110	1105
Tubing. Flexible metallic covered.....	T. Smith.....	762,954	June 21	2674	579	110	2058
Tubing. Implement for truing the ends of.....	E. D. Webb.....	755,198	Mar. 22	3901	861	109	902
Tubing. Locking mechanism for telescoping.....	P. A. Bowen.....	777,773	Dec. 20	2562	567	113	2020
Tubing. Making lapweld.....	P. Patterson.....	774,337	Nov. 8	1551	333	113	306
Tubing or pipe joint.....	D. and F. Hurst.....	768,228	Aug. 23	4288	902	111	2045
Tubing-socket.....	A. H. Dingman.....	765,169	July 19	2561	535	111	590
Tubular articles. Making.....	L. Faval.....	759,978	May 17	2808	110	10	667
Tubular boiler.....	C. Bioly.....	766,016	July 26	4242	906	111	963
Tubular or hollow body.....	J. A. Hurdle.....	756,368	Apr. 5	361	74	109	1420
Tuberculosis. Mixture for treating.....	R. Schneider.....	762,256	June 7	1218	111	10	1704
Tuck-comb.....	S. B. Zinn.....	764,697	July 12	1648	333	111	376
Tuck-comb.....	H. S. Zinn.....	764,698	July 12	1650	336	111	376
Tuck-marking attachment.....	S. A. Swart.....	770,481	Sept. 20	2553	544	112	609
Tuck-stitch fabric and producing same.....	H. A. Houseman.....	766,998	Aug. 9	1786	374 375 728	111	1457
Tufted fabrics. Apparatus for the manufacture of.....	G. Morton.....	754,883	Mar. 15	3328	728	109	762
Tufting-machine button-support.....	A. Freschl.....	753,132	Feb. 23	4486	999	108	2090
Tufting machine. Cushion.....	W. D. Grosjean and W. G. Ehrman- traut.....	776,055	Nov. 29	5108	1080 1081	113	1220
Tufting-tool.....	W. H. Lawson.....	760,130	May 17	3105	649	110	734
Tug and trace connector. Hame.....	C. R. Rapson.....	751,011	Feb. 2	424	101	108	1151
Tug attachment. Hame.....	P. W. Schure.....	760,650	May 24	4101	872	110	973
Tug fastener. Hame.....	A. G. Shields.....	754,716	Mar. 15	3023	660	109	694
Tug. Hame.....	F. Hauf.....	749,733	Jan. 19	2437	515	108	578
Tug. Harness.....	S. B. Shuster.....	751,953	Feb. 9	2189	494	108	1545
Tug plate. Hame.....	A. A. Thacker.....	761,268	May 31	5374	1142	110	1203
Tug. Thill.....	S. H. Frost.....	750,841	Feb. 2	122	28	108	1084
Tug. Thill.....	J. S. Bean.....	757,717	Apr. 19	3015	655	109	2020
Tumbler or rattle-barrel.....	A. J. Thomas.....	759,939	May 17	2717	571	110	645
Tumbler-washer.....	A. Satterfield.....	769,258	Sept. 6	195	47	112	44
Tumbling-barrel.....	W. H. Hart.....	752,160	Feb. 16	2578	573	108	1649
Tumbling-machine.....	J. P. Bucklin.....	754,122	Mar. 8	1795	440	109	412
Tuning device.....	D. M. White.....	769,853	Sept. 13	1372	293	112	329
Tuning-hammer.....	J. Erlandsen.....	770,961	Sept. 27	3393	738	112	840
Tuning-hammer.....	W. H. Porter.....	775,380	Nov. 22	3723	903	113	137
Tuning-hammer.....	J. Erlandsen.....	777,281	Dec. 13	1597	355	113	1706
Tuning-peg.....	F. O. Gutman.....	778,128	Dec. 20	3315	727	113	2173
Tuning-peg. Stringed-instrument.....	F. W. Becker.....	775,767	Nov. 22	4523	960	113	1073
Tunnel apparatus.....	J. W. Reno.....	761,786	June 7	346	70	110	1517
Tunnel-bar.....	G. W. Jackson.....	751,280	Feb. 2	963	219 220	108	1261
Tunnel casing or lining.....	C. N. Dutton.....	770,894	Sept. 27	3363	710 711	112	807
Tunnel construction.....	J. L. Holmes.....	751,287	Feb. 2	960	218 219	108	1261
Tunnel construction.....	J. W. Reno.....	754,807	Mar. 15	3183	694	109	730
Tunnel construction.....	D. Phillips.....	760,243	May 17	3322	698	110	782
Tunnel construction.....	P. Kammerer.....	772,155	Oct. 11	1903	421 422	112	1382
Tunnel-construction apparatus.....	J. W. Reno.....	762,655	June 14	2053	444 445	110	1903
Tunnel construction. Shield.....	W. I. Aims.....	774,546	Nov. 8	1935	419 420	113	447
Tunnel or like construction.....	E. Diebitsch.....	764,797	July 12	1844	370	111	419
Tunnels. Constructing.....	E. W. Moir.....	761,658	June 7	66	11	110	1452
Tunnels. Constructing.....	E. W. Moir.....	774,594	Nov. 8	2029	442	113	466
Tunnels. Constructing.....	E. W. Moir.....	774,595	Nov. 8	2027	443	113	467
Tunnels or the like. Apparatus for building.....	E. Diebitsch.....	764,798	July 12	1848	379 380	111	420
Tunnels, shafts, or other excavations. Constructing.....	C. SooySmith.....	755,990	Mar. 29	5375	715 716	109	1243
Tunneling apparatus.....	R. Stone.....	748,809	Jan. 5	475	107	108	107
Tunneling apparatus.....	C. W. Smith.....	752,931	Feb. 23	4108	914 915	108	2006
Turbine.....	H. Wolke.....	748,678	Jan. 5	235	55	108	51
Turbine.....	E. J. Wood.....	749,770	Jan. 19	2499	532	108	595
Turbine.....	H. Holzwarth.....	752,340	Feb. 16	2933	654	108	1730
Turbine.....	O. Junggren.....	764,471	July 5	1149	233	111	254
Turbine.....	D. McArthur.....	764,817	July 12	1892	388 389	111	430
Turbine.....	R. H. Goldsborough.....	764,887	July 12	2024	417 418	111	459
Turbine.....	G. M. Andersson.....	765,761	July 26	3733	797	111	853
Turbine.....	J. Benjamins.....	765,806	July 26	3843	819	111	875
Turbine.....	J. Stumpf.....	766,293	Aug. 2	316	64	111	1119

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr & Vol.	Page.	
Turbine	E. Cheshire	766,594	Aug. 2	921	184 185 196	111 1244	
Turbine	T. Eastmoore and M. M. Freed	768,432	Aug. 23	4710	987	111 2145	
Turbine	T. Eastmoore and M. M. Freed	768,433	Aug. 23	4713	988	111 2146	
Turbine	D. F. Asbury	768,646	Aug. 30	5163	1085	111 2261	
Turbine	L. E. Truesdel	769,514	Sept. 6	736	159	112 167	
Turbine	O. Junggren	769,612	Sept. 6	902	195	112 204	
Turbine	G. Zahikjanz	771,450	Oct. 4	456	104	112 1055	
Turbine	A. M. Levin	772,242	Oct. 11	2088	456 457	112 1423	
Turbine	S. J. Webb	773,442	Oct. 25	4664	755	112 2033	
Turbine	C. N. Schottmuller	775,315	Nov. 23	3577	756 903	113 864	
Turbine	C. A. Parson	775,634	Nov. 22	4277	904	113 1021	
Turbine	O. Junggren	776,518	Dec. 6	83	30	113 1443	
Turbine-battery governing mechanism	J. Wilkinson	765,330	July 19	2863	599	111 656	
Turbine-bearing	H. Holzwarth	752,224	Feb. 16	2700	597	108 1679	
Turbine-blade	E. Cheshire	766,593	Aug. 2	919	194	111 1243	
Turbine-blade	G. Westinghouse	767,367	Aug. 9	2494	522	111 1610	
Turbine-bucket	H. Geisenh�ner	768,507	Aug. 30	5068	1063	111 2240	
Turbine-bucket construction	H. Geisenh�ner	764,451	July 5	1110	225	111 345	
Turbine-bucket cover	H. Geisenh�ner	764,450	July 5	1109	225	111 345	
Turbine-bucket cover	H. Geisenh�ner	764,452	July 5	1111	225	111 246	
Turbine bucket-wheel. Steam	B. H. Hamilton and W. E. Ver Planck	755,767	Mar. 29	4997	1111	109 1156	
Turbine. Compound	H. Wolke	768,210	Aug. 23	4947	894	111 2037	
Turbine. Compound steam	T. G. E. Lindmark	751,316	Feb. 2	1017	231	108 1274	
Turbine. Compound steam	C. V. Kerr	756,241	Apr. 5	94	20, 21	109 1362	
Turbine cooling means. Gas	H. F. Fullagar	777,251	Dec. 13	1543	343	113 1784	
Turbine. Elastic-fluid	J. Wilkinson	751,889	Feb. 9	2059	466	108 1516	
Turbine. Elastic-fluid	J. Wilkinson	752,610	Feb. 16	3457	773	108 1844	
Turbine. Elastic-fluid	W. L. R. Emmet	754,292	Mar. 8	2111	468 469	109 479	
Turbine. Elastic-fluid	W. L. R. Emmet	755,756	Mar. 20	4969	1105 1106	109 1149	
Turbine. Elastic-fluid	C. G. Curtis	760,106	May 17	3055	639	110 722	
Turbine. Elastic-fluid	T. G. E. Lindmark	761,238	May 31	5315	1129	110 1250	
Turbine. Elastic-fluid	L. Wilson	762,308	June 14	1459	318 319	110 1775	
Turbine. Elastic-fluid	J. C. Sturgeon	762,449	June 14	1626	353	110 1811	
Turbine. Elastic-fluid	J. C. Sturgeon	762,450	June 14	1629	353	110 1812	
Turbine. Elastic-fluid	J. C. Sturgeon	762,451	June 14	1631	353 354	110 1812	
Turbine. Elastic-fluid	J. C. Sturgeon	762,452	June 14	1635	354	110 1813	
Turbine. Elastic-fluid	J. C. Sturgeon	762,453	June 14	1636	354	110 1814	
Turbine. Elastic-fluid	J. C. Sturgeon	762,454	June 14	1640	355	110 1814	
Turbine. Elastic-fluid	A. Schneider	767,252	Aug. 9	2284	478	111 1565	
Turbine. Elastic-fluid	H. Wiesner	767,671	Aug. 16	3103	649	111 1765	
Turbine. Elastic-fluid	O. Junggren	768,604	Aug. 30	5078	1066	111 2242	
Turbine. Elastic-fluid	W. J. Cartwright	770,736	Sept. 27	3040	647	112 736	
Turbine. Elastic-fluid	D. Farrand and P. C. Oscanyan	773,136	Oct. 25	4014	852	112 1891	
Turbine. Elastic-fluid	W. S. Elliott	775,106	Nov. 15	3087	656	113 728	
Turbine. Elastic-fluid	W. S. Elliott	775,107	Nov. 15	3090	656 657	113 729	
Turbine. Elastic-fluid	W. S. Elliott	775,108	Nov. 15	3092	657	113 730	
Turbine. Elastic-fluid	C. G. Curtis	778,224	Dec. 27	3478	765	113 2226	
Turbine. Elastic-fluid	E. Meden	778,499	Dec. 27	4054	884	113 2350	
Turbine-engine	P. F. Holmgren	749,196	Jan. 12	1318	283	108 324	
Turbine-engine	S. Lount	749,739	Jan. 19	2438	518 519	108 580	
Turbine-engine	W. Wyand	750,584	May 10	2031	415	110 478	
Turbine-engine	S. N. Smith	771,102	Sept. 27	3778	796 797	112 900	
Turbine-engine. Rotary	G. Griesche	755,481	Mar. 22	4412	978 989	109 1011	
Turbine. Expandible-fluid	B. S. Church	753,855	Mar. 8	1284	290	109 297	
Turbine. Explosion	H. T. Lees	762,175	June 7	1063	225	110 1669	
Turbine. Fluid-pressure	G. Westinghouse	751,589	Feb. 9	1492	339	108 1395	
Turbine. Fluid-viscosity	B. J. Campbell	766,872	Aug. 9	1538	322	111 1401	
Turbine-generator	W. L. R. Emmet and O. Junggren	768,593	Aug. 30	5059	1061 1062	111 2238	
Turbine governing means. Elastic-fluid	J. Wilkinson	753,774	Mar. 1	1082	246 247	109 233	
Turbine governing mechanism	J. Wilkinson	751,888	Feb. 9	2055	465 466	108 1515	
Turbine governing mechanism	J. Wilkinson	753,772	Mar. 1	1065	244 245	109 229	
Turbine governing mechanism	J. Wilkinson	753,773	Mar. 1	1076	246	109 232	
Turbine governing mechanism	J. Wilkinson	758,400	Apr. 26	4366	940	109 2333	
Turbine governing mechanism	J. Wilkinson	761,865	June 7	508	102	110 1553	
Turbine governing mechanism	E. Cheshire	766,667	Aug. 2	1084	225 226	111 1281	
Turbine governing mechanism	J. Wilkinson	766,921	Aug. 9	1635	344 345	111 1423	
Turbine governing mechanism	O. Junggren	769,613	Sept. 6	904	195	112 205	
Turbine governing mechanism	J. Wilkinson	770,965	Sept. 27	3558	750	112 853	
Turbine governor. Hydraulic	L. Ribourt	772,294	Oct. 11	2181	476 477	112 1446	
Turbine. High-torque reversing	J. Wilkinson	761,866	June 7	514	103	110 1554	
Turbine. Impulse	A. G. M. Michell	760,898	May 24	4615	983	110 1082	
Turbine impulse-wheel. Fluid-pressure	F. Hodgkinson and O. Frik	763,397	June 28	3551	765	110 2273	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr-g	Vol.	Page.
Turbine. Marine	J. Wilkinson	766,922	Aug. 9	1641	345	111	1428
Turbine. Marine steam-	C. A. Parsons	769,272	Sept. 6	266	62	112	58
Turbine-motor	L. Wilson	777,763	Dec. 20	2542	563	113	2016
Turbine-motor	N. W. Fletcher	777,850	Dec. 20	2749	605	113	2058
Turbine-nozzle. Sectional	C. G. Curtis	774,567	Nov. 8	1981	430	113	457
Turbine of the multiple-expansion type	C. E. L. Brown	769,300	Sept. 6	336	76	112	971
Turbine regulator. Elastic-fluid	T. G. E. Lindmark	760,003	May 17	2853	596	110	677
Turbine. Reversible	C. F. de Kierzkowski-Steuart	758,595	Apr. 26	4763	1025	109	2424
Turbine running wheel	C. A. Backstrom	771,759	Oct. 4	1054	235	112	1184
Turbine speed-regulator. Steam	K. Andersson	765,452	July 19	3111	651	111	709
Turbine. Steam	S. N. Smith	749,885	Jan. 19	2708	578	108	640
Turbine. Steam	H. C. Schwarze	751,209	Feb. 2	805	185	108	1238
Turbine. Steam	J. H. de Goede and S. N. Groot	752,545	Feb. 16	3318	739	108	1815
Turbine. Steam	E. F. Fagerström	754,439	Mar. 15	3478	539	109	376
Turbine. Steam	P. J. Hedlund	754,447	Mar. 15	3488	541	109	379
Turbine. Steam	F. D. Shepherd	755,062	Mar. 22	3653	802	109	851
Turbine. Steam	J. B. Evans	755,474	Mar. 22	4404	975	109	1009
Turbine. Steam	G. Code	759,420	May 10	1735	349	110	411
Turbine. Steam	J. Stumpf	760,035	May 17	2916	609	110	690
Turbine. Steam	J. Stumpf	760,036	May 17	2917	610	110	691
Turbine. Steam	J. Stumpf	760,037	May 17	2918	610	110	691
Turbine. Steam	P. J. Hedlund	761,226	May 31	5288	1123	110	1244
Turbine. Steam	P. M. F. Cazin	762,293	June 7	1232	266	110	1707
Turbine. Steam	W. L. Pope	763,425	June 23	3621	780	110	2287
Turbine. Steam	P. J. Hedlund	763,586	July 12	1413	289	111	325
Turbine. Steam	M. D. Kalbach	766,044	July 26	4283	918	111	971
Turbine. Steam	P. T. Perkins	766,519	Aug. 2	766	161	111	1208
Turbine. Steam	C. Weichelt	767,189	Aug. 9	2174	453	111	1541
Turbine. Steam	P. J. Hedlund	767,689	Aug. 16	3137	655	111	1772
Turbine. Steam	B. M. Dutton	768,116	Aug. 23	4070	857	111	1999
Turbine. Steam	G. Zahikjanz	769,425	Sept. 6	464	123	112	123
Turbine. Steam	S. N. Smith	771,103	Sept. 27	3781	798	112	900
Turbine. Steam	E. Buchanan	772,868	Oct. 18	3319	724	112	1715
Turbine. Steam	C. E. Winterros	774,715	Nov. 8	2253	490	113	516
Turbine. Steam	E. Wölner	776,770	Dec. 6	609	132	113	1551
Turbine. Steam	J. W. Smith	777,313	Dec. 13	1661	333	113	1811
Turbine. Steam	C. O. Richter	777,432	Dec. 13	1893	417	113	1862
Turbine. Steam or gas	P. C. Oscanyan	778,326	Dec. 27	3693	806	113	2272
Turbine. Steam or gas	J. Stumpf	750,316	Jan. 26	3531	763	108	857
Turbine. Steam or gas	W. L. Boddener	777,055	Dec. 6	1193	280	113	1683
Turbine. Steam or gas	J. Stumpf	777,865	Dec. 20	2786	611	113	2065
Turbine supply-nozzle	C. Weichelt	758,769	Mar. 1	1059	242	109	228
Turbine. Two-speed and reversing	J. Wilkinson	752,496	Feb. 16	3222	720	108	1791
Turbine. Vertical fluid-pressure	G. Westinghouse	754,400	Mar. 8	2368	516	109	534
Turbine. Water	E. Roth	763,695	June 28	4113	896	110	2392
Turbine-wheel	T. G. E. Lindmark	751,315	Feb. 2	1017	231	108	1274
Turbine-wheel. Elastic-fluid	J. Wilkinson	758,111	Feb. 23	4452	990	108	2083
Turbine wheel. Steam	J. Wilkinson	770,307	Sept. 13	3018	426	112	470
Turbine with locomotives and vehicles. Combination of the reversible steam	E. A. Edwards	764,280	July 5	660	133	111	147
Turbines. Apparatus for governing elastic-fluid	G. S. Granlund	768,010	Aug. 16	3815	796	111	1920
Turbines. Apparatus for regulating the speed of steam	C. G. Curtis	749,476	Jan. 12	1926	399	108	452
Turbines. Detachable blade for steam	G. O. M. Olsson. (Reissue)	12,285	Nov. 15	3531	744	113	896
Turbines. Forming U-shaped buckets or pockets on the rims of gas or steam	E. E. F. Fagerström	754,984	Mar. 22	3522	771	109	820
Turbines. Regulating	M. Kaufhold and J. Hoffmann	765,284	July 19	2762	576	111	634
Turf-trimmer	J. Wilkinson	749,468	Jan. 12	1906	396	108	449
Turn-button. Locking	J. Card	771,530	Oct. 4	623	139	112	1092
Turn-button. Locking	G. W. Coulson	758,353	Apr. 26	4289	921	109	2317
Turn-table	S. Elliott	749,724	Jan. 19	2407	508	108	573
Turn-table	A. O. Slenz	778,379	Dec. 27	3812	509	113	2297
Turn-table. Switching	A. E. Brown	767,864	Aug. 16	3475	735	111	1845
Turning and sewing machine. Automatic	H. Nederman	751,544	Feb. 9	1394	317	108	1373
Turning curved surfaces. Apparatus for	M. Barr	774,086	Nov. 1	976	204	113	222
Turning cutter	G. Weber	774,803	Nov. 15	2474	534	113	588
Turning-machine. Automatic	B. T. Magers	750,209	Jan. 19	3311	715	108	767
Turning machine. Column and baluster	C. Mattison	767,113	Aug. 9	2020	420	111	1509
Turning machine. Wood	J. R. Binns	749,894	Jan. 19	2723	421	108	644
Turning-tool	J. Hartness	773,640	Nov. 1	201	44	113	49
Turning-tool. Hand	E. Leonard	757,131	Apr. 12	1843	403	106	1752
Turnbuckle. Safety	E. H. Covart	752,524	Feb. 16	3275	730	108	1503
Turnbuckles. Making	W. E. Renner	756,141	Mar. 29	6702	1258	109	1313
Turnstile apparatus	E. H. Spear	761,017	May 24	4875	1031	110	1186

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Turnstiles. Cash-receiving and change-making apparatus for	E. H. Spear	761,016	May 24	4859	1029 1030	110	1134
Turnstiles. Cash-receiving, change-giving, and controlling apparatus for	E. H. Spear	761,015	May 24	4837	1027 1028 1029	110	1129
Turpentine-box	R. L. Gaylord	757,294	Apr. 12	2148	469	109	1817
Turpentine-collecting device	H. D. Smith and J. B. Robinson	771,330	Oct. 4	217	48	112	1067
Turpentine-cup	J. B. Morrison	777,911	Dec. 20	2887	635	113	2084
Turret-operating mechanism. Electric	O. P. Loomis	773,950	Nov. 1	837	175 176	113	192
Turret-tool	B. M. W. Hanson	775,109	Nov. 15	3094	657 658	113	731
Twine-cutter	M. Forst	758,832	May 3	503	100	110	121
Twine-cutter	F. Bosshardt	769,145	Sept. 6	8	2	112	4
Twine-feeding machine. Grass-	E. A. Lundgren and C. H. Johansen	754,374	Mar. 8	2309	504 505	109	521
Twine-holder	P. H. Cazier	749,772	Jan. 19	2504	533	108	595
Twine-holder	R. A. Steeb	751,214	Feb. 2	815	188	108	1231
Twine-holder	W. Steger	761,723	June 7	204	39	113	1483
Twine-holder	S. J. Curry	763,723	June 25	4180	910	110	2407
Twine-holder	F. M. Thorpe	767,022	Aug. 9	1822	383	111	1465
Twine-holder	R. L. Weir	773,443	Oct. 25	4665	985	112	2033
Twine-holder	L. M. Parrish	773,586	Nov. 1	103	21	113	29
Twine-holder	J. C. Jacoby	777,513	Dec. 13	2055	453	113	1896
Twine-holder and lifter	E. S. Alderman	774,021	Nov. 1	968	202	113	220
Twist-drills. Forming	R. L. Barclay	758,041	Apr. 26	3664	792	109	2182
Twisting apparatus. Yarn-	A. E. Rhoades	764,632	July 12	1517	310	111	349
Twisting apparatus. Yarn-	A. E. Rhoades	770,244	Sept. 13	2087	439	112	486
Twisting-frame stop-motion	C. Whitaker	753,398	Mar. 1	220	50	109	50
Twisting-head	G. A. Freudenburgh	760,619	May 24	4087	533	110	958
Twisting-head for thread-dressing machines	G. A. Freudenburgh	756,487	Apr. 5	592	128	109	1467
Twisting-machine. Belt-driven	J. E. Tynan	755,261	Mar. 22	4007	889	109	924
Twisting-machine. Belt-driven	J. E. Tynan	773,354	Oct. 25	4475	947	112	1992
Twisting-machine stop-motion	T. H. Smith	773,037	Oct. 25	3679	792	113	1810
Twisting-machine stop-motion	T. H. Smith	773,038	Oct. 25	3680	793	113	1811
Twisting machine. Thread-	J. M. Harrison	760,623	May 24	4043	859	110	959
Twyer attachment for blacksmiths' forges	E. E. Taber	759,768	May 10	2385	498	110	556
Twyer-iron	L. Silcott	768,546	Aug. 23	4933	1033	111	2192
Tyvers, cooling-boxes, &c. Leak-detector for	A. C. Klotman	750,449	May 10	1772	358	110	421
Type and printing therefrom. Apparatus and means for setting	S. Brown	772,337	Oct. 18	2275	499	112	1488
Type-bar bearing	L. Myers	755,033	Mar. 23	3604	791	109	839
Type-bar construction	F. X. Wagner	758,197	Apr. 26	3958	859	109	2245
Type-bar holder	F. X. Wagner	751,580	Feb. 9	1474	334	108	1391
Type-carrier. Cylinder-press	C. S. Rosin	769,022	Aug. 30	5992	1242 1243	111	2434
Type casting and composing machine	M. Wehrlin	765,059	July 12	2364	491 492	111	530
Type casting and composing machines. Automatic clutch for	M. Wehrlin	765,058	July 12	2362	489 490	111	529
Type casting and setting machine	G. A. Goodson	765,775	July 26	3789	806 807	111	864
Type casting and setting machine	J. C. Fowler	765,965	July 26	4129	882 883	111	940
Type casting and setting machine	J. C. and J. C. Fowler, Jr	768,565	Aug. 23	4967	1039 1040 1041 1042	111	2198
Type casting and setting machine leading attachment.	S. Drummond and W. C. Lieberknecht	774,239	Nov. 8	1368	291 292	113	326
Type-casting machine	A. F. Zeitinger	761,346	May 31	5522	1177	110	1295
Type-casting-machine type-ejecting device.	J. Mayer and C. Albrecht	770,598	Sept. 20	2775	589	112	659
Type-casting machines. Matrix-locating mechanism for	W. Ackerman	771,854	Oct. 11	1258	281 282	112	1242
Type-chase	F. Kohle	762,323	June 14	1374	296	110	1758
Type-distributing apparatus	L. K. Johnson	775,426	Nov. 22	3820	808	113	921
Type-holder	H. S. Folger	748,715	Jan. 5	304	68	108	67
Type-holder	J. E. Schlorff	750,127	Jan. 19	3173	683	108	738
Type-machine mold-dimensioning mechanism	H. S. Folger	766,337	Aug. 2	3998	84	111	1128
Type-mold	J. S. Bancroft	770,253	Sept. 20	2106	443	112	508
Type-mold	C. R. Murray	748,576	Jan. 5	613	138	108	137
Type-mold	J. S. Bancroft	752,814	Feb. 23	3855	864	108	1949
Type. Rubber.	J. S. Duncan	768,981	Aug. 30	5846	1227	111	2414
Type setting and casting machines. Perforator mechanism for preparing the composing-strip of	W. T. Stutchbury and C. Gorick	751,421	Feb. 2	1185	270	108	1309
Type-setting laundry-marking machine. Automatic type-setting machine.	T. J. Hume	766,255	Aug. 2	232	45, 46	111	1091
Type-setting machine.	F. B. Converse, Jr.	749,773	Jan. 19	2505	533	108	596
Type-setting machine.	T. A. Houghton	777,855	Dec. 20	3760	607 608	113	2060
Type setting or composing machine	J. Lagarde	757,319	Apr. 12	2215	484 485	109	1831
Type-writer	N. L. Anderson	748,831	Jan. 5	521	118 119	108	118
Type-writer	A. Beyerlein	750,373	Jan. 26	4015	888 889	108	938
Type-writer	H. Moya	752,794	Feb. 23	3812	854 855	108	1940
Type-writer	H. Moya	752,795	Feb. 23	3815	855 856	108	1941
Type-writer	E. Runge	758,563	Apr. 26	4694	1012 1013 1014	109	2408
Type-writer	C. Wasmuth	758,571	Apr. 26	4714	1017	109	2413
Type-writer	N. L. Anderson	761,811	June 7	406	83	110	1530
Type-writer	J. H. Kidwell	762,065	June 7	872	179	110	1636

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Type-writer	J. Alexander	763,452	June 28	3665	789	110	2298
Type-writer	J. F. David	766,813	Aug. 9	1432	296 297 298	111	1377
Type-writer	J. Hedlund	766,948	Aug. 9	1701	356	111	1489
Type-writer	J. Hedlund	766,949	Aug. 9	1702	356	111	1440
Type-writer	F. Sholes	768,315	Aug. 23	4452	935	111	2081
Type-writer	C. D. Rice	772,057	Oct. 11	1702	379	112	1338
Type-writer	F. E. Heath	773,567	Nov. 1	69	13, 14	113	21
Type-writer	C. L. Reamer	773,894	Nov. 1	721	153 154	113	166
Type-writer	W. R. Fox	777,892	Dec. 20	2841	624	113	2077
Type-writer	L. Doederlein	778,329	Dec. 27	3489	708	113	2229
Type-writer-actuating mechanism	W. G. Spiegel	765,799	July 26	3832	817	111	873
Type-writer adding attachment	J. W. Magness	758,371	Apr. 26	4322	928	109	2324
Type-writer adjusting or leveling device	G. S. Anderson	771,536	Oct. 4	742	166	112	1117
Type-writer alinement and adjustment	J. Alexander	750,758	Feb. 2	1	1	108	1057
Type-writer aligner	J. Alexander	753,051	Mar. 1	827	181	109	180
Type-writer alining mechanism	J. Alexander	753,348	Mar. 1	238	54	109	54
Type-writer attachment	H. Marshall	749,312	Jan. 12	1563	331	108	376
Type-writer attachment	N. J. Smith	750,233	Jan. 19	3371	727	108	781
Type-writer attachment	L. H. Weston	753,184	Feb. 23	4578	1020	108	2111
Type-writer attachment	J. A. G. Arnold	765,804	July 26	3840	818	111	875
Type-writer attachment	C. J. Bellamy	766,804	Aug. 9	1402	393	111	1373
Type-writer automatic ribbon-reverse	D. L. Ford	777,382	Dec. 13	1509	355	113	1796
Type-writer cabinet	W. Horrocks	765,076	July 12	2396	499	111	536
Type-writer cabinet	M. J. Hafgar	778,561	Dec. 27	4359	952	113	2417
Type-writer card	J. F. Allard	769,817	Sept. 13	1271	277	112	304
Type-writer carriage	C. D. Rice	752,106	Feb. 16	2178	553	108	1627
Type-writer carriage and bearing therefor	E. G. Latta	771,783	Oct. 4	1105	248	112	1195
Type-writer carriage construction	J. Alexander	748,681	Jan. 5	241	56	108	52
Type-writer carriage construction	J. Alexander	752,191	Feb. 16	2628	583	108	1661
Type-writer carriage construction	J. Alexander	752,611	Feb. 16	3464	773	108	1846
Type-writer carriage construction	J. Alexander	761,639	June 7	5	1	110	1436
Type-writer carriage construction	J. Alexander	762,223	June 7	1156	248	110	1691
Type-writer carriage-feed mechanism	W. R. Fox and G. J. Barrett	775,260	Nov. 15	3475	734	113	824
Type-writer carriage-feeding mechanism	J. Alexander	756,199	Apr. 5	2	109	1343	
Type-writer carriage mechanism	F. X. Wagner	763,529	June 28	3790	819 820	110	2323
Type-writer carriage-return	D. S. Dufur	749,723	Jan. 19	2405	508	108	572
Type-writer copy-holder	D. M. Sells	766,120	July 26	4489	951	111	1005
Type-writer copy-holder	E. J. Bonine	766,752	Aug. 2	1251	266	111	1319
Type-writer cushion	E. W. Mendenhall	776,251	Nov. 28	5429	1163	113	1308
Type-writer cylinder-scale	C. C. Kavle	775,332	Nov. 22	3610	765	113	872
Type-writer escapement mechanism	F. X. Wagner	759,780	May 10	2406	503	110	561
Type-writer escapement mechanism	C. D. Rice, O. C. Kavle, and E. S. McAll	769,804	Sept. 13	1261	271	112	302
Type-writer feed mechanism	J. Alexander	767,029	Aug. 9	1835	286	111	1468
Type-writer feeding device	D. S. Dufur	754,435	Mar. 15	2467	537 538	109	574
Type-writer indicator	J. N. D. La Touche	755,502	Mar. 22	4445	988	109	1017
Type-writer key and type-bar mechanism	J. Alexander	773,772	Nov. 1	448	99	113	105
Type-writer key-levers. Tension device for	B. A. Brooks	759,807	May 10	2466	100	110	573
Type-writer keys, &c. Electrical device for operating	J. Pilsatneeks	761,179	May 31	2197	1104	110	1225
Type-writer line-spacing mechanism	J. Alexander	755,831	Mar. 29	5113	1138	109	1183
Type-writer line-spacing mechanism	J. H. W. Marriott	758,817	May 10	3493	521	110	579
Type-writer line-spacing mechanism	J. Alexander	765,608	July 19	3405	718	111	772
Type-writer line-spacing mechanism	J. Alexander	765,647	July 19	3437	736	111	789
Type-writer-machine scale and pointer mechanism	W. R. Fox and G. J. Barrett	775,270	Nov. 15	3480	735	113	826
Type-writer paper-controller	J. H. Cornelison	763,660	June 28	4042	881	110	2378
Type-writer paper-guide	O. C. Kavle	753,092	Feb. 16	2459	543	108	1616
Type-writer paper-release device	L. Myers	759,337	May 10	2435	549	108	1622
Type-writer paper-roll-holder attachment	C. D. Williams	759,387	May 10	1550	311	110	373
Type-writer platen	J. H. W. Marriott	759,818	May 10	2495	521	110	579
Type-writer platen-shift	J. Alexander	758,804	May 3	446	89	110	109
Type-writer platen-support	J. H. W. Marriott	759,819	May 10	2497	522	110	580
Type-writer. Polychrome	C. A. Joerriest and H. R. Livingston	753,797	Mar. 1	1154	261	109	248
Type-writer ribbon-box	J. Alexander	765,157	July 19	2545	532	111	587
Type-writer ribbon mechanism	F. X. Wagner	763,938	June 28	4534	1002	110	2493
Type-writer ribbon-movement	J. Alexander	761,638	June 7	7	80	110	1435
Type-writer ribbon-operating mechanism	J. Alexander	762,266	June 14	1246	308	110	1731
Type-writer ribbon-operating mechanism	F. X. Wagner	763,224	June 21	3191	688	110	2174
Type-writer ribbons. Machine for making	F. B. How	760,123	May 17	3088	645 646	110	730
Type-writer spacing attachment	W. A. Lyman	777,262	Dec. 13	1565	348 349	113	1789
Type-writer supporting-table and attachment	J. H. W. Marriott	759,820	May 10	2499	522 523	110	580
Type-writer type-bar mechanism	F. X. Wagner	763,083	June 21	2912	627 628	110	2110
Type-writer type-bar segment	C. W. Howell, Jr.	753,397	Mar. 1	325	24	109	73
Type-writer with open-pipe system. Pneumatic	M. Soblik	757,066	Apr. 12	1702	370	109	1720
Type-writers. Bin attachment for	C. G. Chandler	772,130	Oct. 11	1845	410	112	1370
Type-writers, &c. Carriage-shifting mechanism for	W. H. Bolens	766,371	Aug. 2	454	97	111	1140
Type-writers, &c. Mechanism for locking the key-levers of	753,891	Mar. 29	5428	1199	109	1254	
Type-writers or analogous machines. Tabulating attachment for	775,331	Nov. 22	3609	765	113	872	
Type-writers or like machines. Type-bar for	G. L. Palmer	755,926	Mar. 29	3807	1171	109	1227
Type-writers or like machines. Type-bar for	F. X. Wagner	774,925	Nov. 15	2733	586	113	646

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr/g	Vol.	Page.
Type-writers or other machines. Platen-locking mechanism for	F. X. Wagner	751,579	Feb. 9	1473	334	108	1391
Type-writers or the like. Type-bar construction for	E. F. Kunath	753,077	Feb. 16	2430	544	108	1616
Type-writers or the like. Type-bar construction for	E. F. Kunath. (Reissue)	14,233	Aug. 2	1387	289	111	1351
Type-writers, &c. Platen for	J. H. Dyett	766,332	Aug. 2	389	83	111	1126
Type-writers, &c. Universal-bar mechanism for	F. X. Wagner	763,528	June 28	3788	818 819	110	2323
Type-writers. Wireless electric apparatus acting on	G. Musso	751,803	Feb. 9	1884	429	108	1477
Type-writing and adding machine. Combined	E. N. Miller	778,595	Dec. 27	4233	922	113	2387
Type-writing and tabulating machine	H. Jarvis and M. H. Blakeslee	753,796	Mar. 1	1152	259 260	109	247
Type-writing. Finger-exerciser for students of	J. T. Brattin and W. G. Ressler	762,020	June 7	791	161 162	110	1610
Type-writing machine	W. J. Barron	748,912	Jan. 5	681	150	108	153
Type-writing machine	O. Tyberg	749,001	Jan. 5	879	188 189	108	203
Type-writing machine	O. Tyberg	749,002	Jan. 5	895	189 190	108	209
Type-writing machine	C. H. Shepard	749,106	Jan. 5	1113	236 237	108	256
Type-writing machine	L. P. Diss and W. A. Schmidt	749,538	Jan. 12	2046	425 426	108	479
Type-writing machine	C. Sears. (Reissue)	12,190	Jan. 12	2365	499	108	548
Type-writing machine	H. Hochkassen	749,822	Jan. 19	2594	533	108	616
Type-writing machine	G. C. Blickensderfer	749,914	Jan. 19	2764	592 593	108	651
Type-writing machine	C. Gabrielson	750,274	Jan. 26	3446	774	108	817
Type-writing machine	C. H. Shepard	750,712	Jan. 26	4262	925	108	990
Type-writing machine	J. H. Hotson	751,855	Feb. 9	2002	453	108	1503
Type-writing machine	L. P. Diss	752,210	Feb. 16	2669	592 593	108	1671
Type-writing machine	W. C. Farnum	752,214	Feb. 16	2679	594	108	1673
Type-writing machine	W. C. Farnum	752,215	Feb. 16	2683	594	108	1674
Type-writing machine	J. W. Schuckers	752,432	Feb. 16	3008	687 688	108	1764
Type-writing machine	H. Moya	752,792	Feb. 23	3804	851 852 853	108	1938
Type-writing machine	H. Moya	752,793	Feb. 23	3810	853	108	1940
Type-writing machine	C. E. Smith	752,868	Feb. 23	3955	887	108	1971
Type-writing machine	A. T. Brown	752,883	Feb. 23	3987	898	108	1978
Type-writing machine	C. S. Champion	752,885	Feb. 23	3991	894	108	1980
Type-writing machine	C. W. Walker	753,017	Feb. 23	4279	953 954	108	2045
Type-writing machine	H. S. Dukes and W. H. Clayton	753,788	Mar. 1	1108	252 253 254 255 256	109	239
Type-writing machine	C. Gabrielson	753,972	Mar. 8	1518	338	109	350
Type-writing machine	F. S. Rose	754,242	Mar. 8	2023	450	109	461
Type-writing machine	H. Ellis	754,366	Mar. 8	2298	501 502	109	519
Type-writing machine	A. R. Jarman	754,454	Mar. 15	2498	541	109	581
Type-writing machine	C. Gabrielson	754,932	Mar. 15	3393	742 743 744	109	775
Type-writing machine	H. Bettendorf and J. M. Bier	754,964	Mar. 22	3480	703 704 705	109	814
Type-writing machine	C. H. Shepard	755,061	Mar. 22	3650	801 802	109	850
Type-writing machine	W. P. Quentell and F. Judge	755,545	Mar. 22	4523	1007 1008	109	1034
Type-writing machine	W. J. Barron	757,431	Apr. 19	2430	532 533	109	1394
Type-writing machine	R. W. Uhlig	757,982	Apr. 19	3524	764 765	109	2131
Type-writing machine	F. W. Hillard	758,252	Apr. 26	4071	881 882	109	2263
Type-writing machine	B. C. Stickney	758,734	May 3	425	86	110	105
Type-writing machine	E. G. Latta	758,982	May 3	791	159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	110	163
Type-writing machine	J. H. W. Marriott	759,816	May 10	2482	520 521 522	110	576
Type-writing machine	W. S. Hallock	760,066	May 17	2971	620 621 622	110	704
Type-writing machine	M. J. Ettinger	760,186	May 17	3218	674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	110	758
Type-writing machine	C. E. Yetman	760,719	May 24	4251	904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	110	1004
Type-writing machine	J. McKerchar and R. Beveridge	761,245	May 31	5324	1131 1132 1133	110	1252
Type-writing machine	J. G. Niederer	761,247	May 31	5326	1131 1132 1133	110	1253
Type-writing machine	J. G. Niederer	761,248	May 31	5330	1132 1133 1134	110	1253
Type-writing machine	W. H. Bennington	762,272	June 14	1258	270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 55		

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Type-writing machine	J. Felbel	764,935	July 12	2140	442	111	485
Type-writing machine	C. J. Bond	764,983	July 12	2219	459	111	501
Type-writing machine	D. L. White	765,532	July 19	3269	684	111	742
Type-writing machine	J. Oppenheim	767,429	Aug. 16	2617	552	111	1656
Type-writing machine	L. H. Perry	767,528	Aug. 16	2829	591	111	1703
Type-writing machine	J. C. St. John	767,607	Aug. 16	2994	592	111	1742
Type-writing machine	A. M. Smith	770,192	Sept. 13	1980	431	112	461
Type-writing machine	W. W. Torrence	770,665	Sept. 20	2911	422	112	691
Type-writing machine	C. H. Shepard	770,993	Sept. 27	3442	726	112	826
Type-writing machine	W. J. Barron	770,952	Sept. 27	3451	735	112	835
Type-writing machine	W. A. Twining	770,990	Sept. 27	3549	748	112	851
Type-writing machine	B. C. Stickney	771,216	Sept. 27	3998	846	112	945
Type-writing machine	B. C. Stickney	771,217	Sept. 27	4000	846	112	946
Type-writing machine	W. R. Fox and G. J. Barrett	771,620	Oct. 4	791	175	112	1128
Type-writing machine	E. G. Latta	771,781	Oct. 4	1096	216	112	1194
Type-writing machine	E. G. Latta	771,782	Oct. 4	1101	247	112	1194
Type-writing machine	H. J. Halle	773,287	Oct. 25	4334	915	113	1963
Type-writing machine	B. A. Brooks	773,848	Nov. 1	610	130	113	140
Type-writing machine	H. W. Merritt and W. J. Barron	774,262	Nov. 8	1407	301	113	334
Type-writing machine	E. Yates and L. A. Sommers	774,346	Nov. 8	1568	385	113	369
Type-writing machine	F. X. Wagner	774,924	Nov. 15	2727	585	113	644
Type-writing machine	E. B. Cram	775,394	Nov. 22	3754	794	113	906
Type-writing machine	J. D. White	775,739	Nov. 22	4474	947	113	1063
Type-writing machine	G. M. Kitzmiller	775,830	Nov. 22	4648	984	113	1098
Type-writing machine	J. Felbel	776,017	Nov. 29	5042	1064	113	1305
Type-writing machine	W. J. Barrou	776,103	Nov. 29	5198	1083	113	1240
Type-writing machine	L. R. Roberts	776,259	Nov. 29	5502	1165	113	1310
Type-writing machine	H. A. Carhart	776,495	Dec. 6	30	9	113	1430
Type-writing machine	A. T. Brown	777,071	Dec. 13	1224	268	113	1715
Type-writing machine	O. Woodward	777,169	Dec. 13	1395	269	113	1752
Type-writing machine, &c	T. Cahill	777,651	Dec. 13	2337	514	113	1955
Type-writing machine, &c	T. Cahill	777,652	Dec. 13	2343	514	113	1956
Type-writing machine	G. H. Morse	778,369	Dec. 27	3796	828	113	2294
Type-writing machine	C. F. Laganke	778,454	Dec. 27	3965	863	113	2330
Type-writing-machine-actuating mechanism. Electro-magnetic	E. K. Curtis	765,960	July 26	4111	879	111	936
Type-writing-machine aliner	J. Alexander	754,271	Mar. 8	2073	459	109	471
Type-writing-machine aliner	F. H. Armstrong	774,635	Nov. 8	2097	456	113	480
Type-writing-machine back-spacing attachment	W. A. Parker	765,367	July 19	2936	613	111	671
Type-writing-machine carriage-feeding mechanism	J. A. Smith	765,861	July 26	3938	841	111	896
Type-writing-machine carriage-feeding mechanism	F. H. Armstrong	774,638	Nov. 8	2103	458	113	482
Type-writing machine. Convertible electric	G. M. Kitzmiller	777,027	Dec. 6	1133	247	113	1678
Type-writing-machine interchangeable key or button.	A. Voges	771,950	Oct. 11	1472	334	112	1286
Type-writing-machine keyboard	A. Beyerlen	750,572	Jan. 26	4013	868	108	937
Type-writing-machine line-gage	F. J. Hohner	775,140	Nov. 15	3166	672	113	746
Type-writing-machine line-lock attachment	W. A. Parker	764,070	July 5	316	62	111	70
Type-writing-machine line-spacing mechanism	F. H. Armstrong	774,637	Nov. 8	2101	457	113	481
Type-writing-machine line-spacing mechanism	G. M. Kitzmiller	776,851	Dec. 6	731	172	113	1600
Type-writing-machine paper-carriage	J. H. Dorman	768,125	June 21	3076	662	110	2147
Type-writing-machine paper-controller	J. H. Cornelison	763,661	June 28	4045	881	110	2378
Type-writing-machine paper-edge guide	J. C. McLaughlin	752,094	Feb. 16	2457	519	108	1272
Type-writing-machine paper-feed mechanism	G. M. Kitzmiller	776,852	Dec. 6	733	172	113	1601
Type-writing-machine paper-feeding mechanism	F. H. Armstrong	774,640	Nov. 8	2108	459	113	483
Type-writing-machine paper-guide	F. X. Wagner	752,131	Feb. 16	2528	563	108	1698
Type-writing-machine platen equipment	J. Ziegler	778,392	Dec. 27	3830	837	113	2031
Type-writing-machine platen-shift mechanism	G. M. Kitzmiller	770,434	Sept. 20	2463	522	112	589
Type-writing-machine platen-shifting mechanism	F. H. Armstrong	774,639	Nov. 8	2105	459	113	482
Type-writing-machine ribbon-feed mechanism	E. G. Latta	758,455	Apr. 26	4480	963	109	2360
Type-writing-machine ribbon-feeding mechanism	F. H. Armstrong	774,636	Nov. 8	2098	457	113	481
Type-writing-machine ribbon mechanism	C. E. Yetman	760,676	May 24	4167	885	110	986
Type-writing-machine ribbon mechanism. Automatic reversible	G. M. Kitzmiller	776,850	Dec. 6	736	171	113	1599
Type-writing-machine ribbon-movement	J. Alexander	756,808	Apr. 12	1184	283	109	1613
Type-writing-machine ribbon-shield	W. C. Baker	760,371	May 17	3537	745	110	829
Type-writing-machine ribbon-spool	J. A. Bedworth	754,117	Mar. 8	1790	398	109	411
Type-writing-machine ring-shifting device	G. M. Kitzmiller	767,945	Aug. 16	3633	768	111	1379
Type-writing-machine scale and pointer mechanism	G. M. Kitzmiller	768,331	Aug. 23	4479	941	111	2087
Type-writing-machine shift-key mechanism	E. H. Wadewitz	751,578	Feb. 9	1471	334	108	1391

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr/g.	Vol.	Page.
Type-writing machine. Shorthand.	P. A. Voget.	767,508	Aug. 16	2794	584	111	1696
Type-writing machine. Stenographic.	A. B. Saliger.	753,318	Mar. 1	186	42	109	43
Type-writing-machine tabulating device.	A. P. Beyerlein.	750,338	Jan. 26	3572	774	108	846
Type-writing-machine tabulating device.	L. S. Burdige.	752,821	Nov. 23	3878	1062	108	1662
Type-writing-machine tabulating device.	J. B. Secor.	767,838	Aug. 16	3422	722	111	1834
Type-writing-machine tabulating device.	J. B. Secor.	767,839	Aug. 16	3425	723	111	1885
Type-writing-machine tabulating mechanism.	C. N. Fay.	732,540	Feb. 16	3307	736	108	1812
Type-writing-machine tabulating mechanism.	M. H. Blakeslee.	755,608	Mar. 29	4650	1038	109	1077
Type-writing-machine tabulating mechanism.	H. Jarvis.	755,625	Nov. 23	4855	1044	113	1156
Type-writing-machine type-arm bearing.	J. A. Smith.	755,404	Mar. 22	4282	946	109	985
Type-writing-machine type-bar-supporting ring and hanger.	A. K. Kitzmiller.	767,946	Aug. 16	3635	769	111	1879
Type-writing-machine type-cleaner.	A. M. Wing.	766,786	Aug. 2	1337	282	111	1385
Type-writing-machine type-inking apparatus.	J. S. Southerton.	773,692	Nov. 1	129	27	113	35
Type-writing machines. Auxiliary paper-guide for.	T. L. Knapp.	761,806	May 31	5457	1159	110	1280
Type-writing machines. Work-handling mechanism for.	H. S. Dukes and W. H. Clayton.	753,789	Mar. 1	1135	256	109	245
Umbrella.	J. B. Rohrer.	748,635	Jan. 5	198	47	108	44
Umbrella.	E. T. Miller.	750,553	Jan. 26	3985	861	108	931
Umbrella.	A. Fieldhouse.	750,631	Jan. 26	4109	890	108	958
Umbrella.	J. J. Whittlesey.	750,924	Feb. 2	274	64	108	1118
Umbrella.	C. N. Christensen.	752,032	Feb. 16	2349	525	108	1598
Umbrella.	T. Susemihl.	752,725	Feb. 23	3659	822	108	1912
Umbrella.	T. W. Pinchback.	753,107	Feb. 23	4438	928	108	2081
Umbrella.	J. L. Vaughn.	754,029	Mar. 8	1619	360	109	373
Umbrella.	H. Keller and F. Gallagher.	762,418	June 14	1559	342	110	1797
Umbrella.	R. C. and J. D. King.	765,287	July 19	2764	577	111	635
Umbrella.	T. H. Plante.	768,398	Aug. 23	4423	929	111	2075
Umbrella.	D. Hirsch and F. Worlin.	773,490	Aug. 2	4732	1012	113	1201
Umbrella.	C. G. Rogers.	776,352	Nov. 29	5607	1200	113	1348
Umbrella and sunshade.	H. B. Gra.	753,877	Mar. 8	1324	298	109	305
Umbrella-carrier.	A. J. Igel.	755,009	Mar. 22	3555	781	109	890
Umbrella. Collapsible.	C. L. Marks.	749,310	Jan. 12	1561	330	108	376
Umbrella-cover-holding clip.	W. W. Climenson.	753,262	June 21	3253	703	110	2187
Umbrella. Folding.	E. C. Miller.	774,098	Nov. 1	1123	239	113	254
Umbrella-frame.	P. Serge-Kisslow.	769,877	Sept. 13	1409	300	112	336
Umbrella-frame joint.	G. B. Vogel.	770,704	Sept. 20	2983	634	112	706
Umbrella-geat.	C. B. Baldwin.	756,562	Apr. 5	717	155	109	1494
Umbrella-handle and rod.	G. Muffy and H. M. Miller.	752,840	Feb. 23	3921	859	108	1963
Umbrella-handle. Detachable.	E. P. Bevilard.	750,046	Jan. 9	3019	646	108	706
Umbrella-handle. Detachable.	B. Rothschild.	763,117	June 21	2967	640	110	2122
Umbrella-joint.	J. H. Sprague.	778,765	Dec. 27	4541	994	113	2457
Umbrella. Knockdown.	H. Fesenfeld.	750,178	Jan. 19	3264	704	108	757
Umbrella-lock. Combination.	R. B. Waite.	752,489	Feb. 16	3371	717	108	1789
Umbrella-locking device.	E. Ekman and N. H. C. Pihl.	768,578	Aug. 2	1113	232	111	1288
Umbrella-notch.	A. M. Peate.	752,178	Feb. 16	2604	578	108	1655
Umbrella-notch.	T. R. Hyde, Jr.	768,805	Aug. 30	5472	1152	111	2329
Umbrella or parasol attachment.	G. Friedman.	765,310	July 19	2819	587	111	647
Umbrella-rib.	A. Hason.	776,241	Nov. 29	5478	1160	113	1305
Umbrella-rib connection.	C. B. Baldwin.	757,390	Dec. 30	3064	673	113	2119
Umbrella-rib retainer.	J. O. Larrabee.	755,500	Mar. 22	4443	987	109	1017
Umbrella-rib retainer.	S. E. Groff.	749,376	Jan. 12	1694	360	108	405
Umbrella-rib retainer.	W. W. Climenson.	761,082	May 24	4912	1041	110	1143
Umbrella-runner.	M. Gleason and J. Rogers.	771,906	Oct. 11	1375	812	112	1266
Umbrella-runner.	W. H. Gaskill.	775,026	Dec. 20	3119	686	113	2311
Umbrella-stand.	E. Pratt.	777,222	Dec. 13	1493	330	113	1773
Umbrella-stretcher connection.	S. E. Stafford.	777,980	Dec. 20	3031	667	113	2112
Umbrella-tip-cup and catch therefor.	E. S. Ross.	758,696	May 3	178	38	110	42
Unbroken-main-line switch.	G. M. Ervin.	759,870	May 17	2597	543	110	618
Unbroken-main-line switch.	G. M. Ervin.	759,871	May 17	2599	543	110	619
Uncoupling device.	P. H. and J. H. Boese.	773,537	Nov. 1	7	2	113	4
Undergarment.	G. A. Mattern.	758,375	Apr. 26	4331	930	109	2326
Undergarment.	R. M. Appleton.	759,149	May 3	1103	224	110	251
Undergarment.	L. H. Seitz.	770,394	Sept. 20	2286	506	112	576
Undergarment.	G. H. Lumb.	775,096	Nov. 15	3049	647	113	721
Underreamer.	A. Willard.	762,458	June 14	1651	356	110	1816
Underreamer and drill.	T. A. O'Donnell and A. G. Willard.	762,435	June 14	1596	348	110	1804
Underwaist.	W. W. Bewick.	758,892	May 3	634	125	110	149
Underwaist and garment-supporter. Combined.	T. J. Jones.	752,543	Feb. 16	3378	654	108	1743
Universal joint.	E. J. Reece.	757,769	Apr. 19	3136	681	109	2046
Universal joint.	J. A. Tilden.	763,127	June 21	2988	645	110	2126
Universal joint.	J. C. Speirs and H. E. Dey.	768,200	Aug. 23	4228	888	111	2033
Universal joint.	E. W. Bullard.	771,457	Oct. 4	466	106	112	1057
Universal joint. Increased.	C. W. Spicer.	768,407	Aug. 23	4650	976	111	2135
Universal joint or coupling for shafting, &c.	E. G. Hoffmann.	771,637	Oct. 4	824	184	112	1185
Universal mill.	A. T. Keller.	749,823	Jan. 19	2596	553	108	616
Universal union or coupling.	F. McCarthy.	774,363	Nov. 8	1594	342	113	375
Unloader and conveyor.	J. M. Pierce.	761,774	June 7	177	33	110	1477
Unloader. Automatic.	G. C. Rastetter.	768,302	June 23	4427	930	111	2076
Unloading apparatus.	W. H. Hulet.	760,538	May 24	3874	822	110	924
Unloading apparatus.	R. H. Dempcy.	767,548	Aug. 16	2878	601	111	1716
Unloading device.	F. G. Pace.	758,274	Apr. 26	4117	890	109	2279
Unloading device.	P. O. Bendickson.	766,866	Aug. 9	1525	319	111	1398
Upholstering. Casket.	A. J. Cross.	753,674	Mar. 1	881	199	109	191
Upholstering device.	H. B. Pitner.	750,690	Jan. 26	4218	914	108	982
Upholstering-machine.	J. H. Hagedorn.	777,019	Dec. 6	1116	243	113	1674
Upholstery.	M. M. Rogers.	757,414	Apr. 12	2405	522	109	1870
Upholstery.	T. W. Busche.	765,377	July 19	2952	618	111	675
Upholstery-spring and means for supporting same.	G. E. Bigelow.	749,155	Jan. 12	1227	263	108	301
Upholstery-spring support.	J. Hoey.	763,607	June 28	3989	855	110	2353
Upholstery-spring support.	G. E. Bigelow.	767,375	Aug. 16	3513	527	111	1631

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Upholstery-spring top clamp	P. F. King	752,169	Feb. 16	2590	576	103	1651
Upright boiler	N. L. Warren	762,106	June 7	944	192	110	1642
Upsetting-machine	R. G. Baker	751,141	Feb. 2	660	152	108	1201
Upsetting-machine	W. D. Florance	751,491	Feb. 9	1304	298	108	1354
Urethrotome	W. E. Washburn	762,366	June 14	1455	317	110	1774
Urinal	F. W. Henderson	749,882	Jan. 12	1708	362	108	1087
Urinal	D. Craig	751,976	Feb. 9	2263	507	108	1560
Urinal	D. Craig	759,078	May 3	976	197	110	222
Urinal	H. M. Williams	761,278	May 31	5593	1147	110	1266
Urn. Automatic water-	F. O. Soderstrom	771,395	Oct. 4	573	82	112	1086
Uterine supporter	W. E. 185	756,185	Mar. 29	5785	1267	109	1320
Uterine supporter	M. J. Torrence	760,823	May 24	4481	953	110	1052
Vaccine and making same. Blackleg-	E. M. Houghton	778,667	Dec. 27	4367		113	2419
Vaccine-point	H. K. Mulford	758,597	Apr. 26	4765	1026	109	2424
Vacuum apparatus	M. Ekenberg	774,054	Nov. 1	1037	222	113	234
Vacuum-frame	O. I. Lewellyn and J. W. Schock	750,667	Jan. 26	4173	905	108	971
Vacuum-lifter	J. H. Sprague	762,499	June 14	1731	372	110	1894
Vacuum-tube	H. Boehm and F. H. Wappler	771,700	Oct. 4	936	211	112	1159
Vacuum-tubes. Exciting	H. Lemp	774,138	Nov. 1	1186	253	113	268
Vacuum-wringer	M. E. Cooley	761,878	June 7	541	108	110	1561
Vacuums. Apparatus for producing high.	W. R. Burrows	778,221	Dec. 27	3473	764	113	2225
Vacuuminizing and double-seaming machine. Auto-	E. Norton	762,551	June 14	1892	400	110	1862
Vaginal irrigator	C. O. Farrington	766,396	Aug. 2	396	84	111	1128
Valise. Rail-	J. Ruegg	767,767	Aug. 16	3267	688	111	1802
Valve	F. L. Schuyler	749,637	Jan. 19	2214	464	108	1427
Valve	J. J. Rylands	749,750	Jan. 19	2463	524	108	598
Valve	E. F. Holinger	749,990	Jan. 19	2918	623	108	685
Valve	J. E. Schneider	750,128	Jan. 19	3175	683	108	738
Valve	W. H. Thompson	750,321	Jan. 26	3543	765	108	840
Valve	J. W. Nethery	751,096	Feb. 2	576	133	108	1184
Valve	N. Obolensku	751,333	Feb. 2	1044	237	108	1280
Valve	G. R. Wilehart	751,364	Feb. 2	1099	248	108	1291
Valve	J. W. Nethery	751,677	Feb. 9	1645	373	108	1427
Valve	J. W. Nethery	752,176	Feb. 16	3298	578	108	1683
Valve	E. Halley and R. F. Downey	752,220	Feb. 16	2692	596	108	1677
Valve	J. W. Master	752,241	Feb. 16	2731	605	108	1686
Valve	J. Utrilla	752,608	Feb. 18	3455	772	108	1644
Valve	P. S. McCurdy	752,850	Feb. 23	3922	879	108	1963
Valve	W. H. Stratton	753,515	Feb. 23	4650	1085	108	2127
Valve	C. L. Turner	753,332	Mar. 1	212	48	109	49
Valve	W. H. Stratton	753,755	Mar. 1	1032	235	109	222
Valve	A. B. Wright	754,032	Mar. 8	1626	362	109	374
Valve	L. L. Griffiths	754,299	Mar. 8	2128	471	109	482
Valve	F. F. Tunsberg	755,334	Mar. 22	4153	918	109	955
Valve	W. A. Miller	756,035	Mar. 29	5511	1215	109	1271
Valve	M. J. Chaplin	756,582	Apr. 5	754	164	109	1502
Valve	A. K. Mansfield	756,869	Apr. 12	1303	291	109	1637
Valve	E. P. Allen	757,873	Apr. 19	3317	719	109	2085
Valve	J. A. Desmarreau	758,053	Apr. 26	3687	801	109	2186
Valve	W. H. Honsberger	759,277	May 10	1436	286	110	349
Valve	J. H. Hussey	759,372	May 10	1634	331	110	390
Valve	F. T. Dodge	759,774	May 10	2387	500	110	559
Valve	G. G. Guy	760,449	May 24	3703	784	110	884
Valve	H. C. Root	760,488	May 24	3777	800	110	900
Valve	O. O. Storie	760,580	May 24	3960	840	110	942
Valve	F. W. A. Wiesebrock	760,594	May 24	3980	846	110	946
Valve	J. W. Nethery	760,913	May 24	4651	990	110	1089
Valve	J. G. Westbrook	762,218	June 7	1144	246	110	1688
Valve	S. S. Herrick	762,406	June 14	1532	336	110	1790
Valve	A. G. Osgood	762,436	June 14	1599	348	110	1805
Valve	E. H. Carroll	762,683	June 14	2114	460	110	1917
Valve	F. Stahl	763,123	June 21	2981	643	110	2125
Valve	E. R. Stoddard	763,643	June 28	3997	872	110	2367
Valve	E. Schmidt	765,200	July 19	2614	546	111	602
Valve	P. R. Matrocks and J. L. Grafflin	766,053	July 26	4299	921	111	975
Valve	R. M. Popham and J. C. Cooke	767,118	Aug. 6	2030	423	111	1511
Valve	W. T. Harrison	767,228	Aug. 6	2254	469	111	1538
Valve	H. G. Ginaca and H. O. C. Isenberg	768,042	Aug. 23	3874	811	111	1952
Valve	F. Sticker	769,031	Aug. 30	5950	1245	111	2437
Valve	F. W. Hodges	770,088	Sept. 13	1736	377	112	420
Valve	C. L. Scoville	770,770	Sept. 20	2962	634	112	706
Valve	J. Lally	770,811	Sept. 27	3212	775	112	775
Valve	A. H. Schmidt	771,327	Oct. 4	213	47	112	1006
Valve	J. C. McCarl	772,287	Oct. 11	2171	474	112	1443
Valve	J. W. Fuller	773,329	Oct. 18	2433	531	112	1522
Valve	J. L. Latta and J. A. Martin	773,578	Nov. 1	4190	888	112	1931
Valve	V. Martin	773,578	Nov. 1	90	18	113	26
Valve	G. W. Hayden	773,641	Nov. 1	203	45	113	49
Valve	J. T. and G. W. Hayden	773,642	Nov. 1	205	45	113	50
Valve	C. P. Geritz	773,661	Nov. 1	242	54	113	58
Valve	W. Richards	773,730	Nov. 1	375	83	113	89
Valve	A. T. Jones	774,453	Nov. 8	1757	379	113	409
Valve	J. O'Meara	774,965	Nov. 15	2851	608	113	675
Valve	P. Hoon and E. A. Ritt	775,929	Nov. 29	4840	1025	113	1157
Valve	M. E. Layne	776,901	Dec. 6	880	190	113	1621
Valve	M. E. Layne	777,654	Dec. 13	2952	517	113	1958
Valve-action. Explosive-engine.	W. S. 591	778,591	Dec. 27	4224	920	113	2386
Valve. Actuating-	O. C. Duryea and M. C. White	779,975	May 17	2797	586	110	663
	F. J. Donoughue	762,619	June 14	1983	428	110	1887

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Valve-actuating mechanism. Blowing-engine.	G. B. Petsche.	758,931	May 3	702	435	110	164
Valve-adjusting means. Engine.	E. S. Newton.	757,217	Apr. 12	267	485	110	1785
Valve. Air.	A. McGonagle.	758,090	Feb. 23	4417	982	108	2076
Valve. Air.	C. H. Belden.	767,098	Aug. 9	1991	414	111	1503
Valve. Air.	T. Wheatley.	772,765	Oct. 18	3143	683	112	1674
Valve. Air-brake.	T. Haley.	749,859	Jan. 19	2660	568	108	629
Valve. Air-brake controlling.	F. B. Corey.	758,174	Apr. 26	3917	851	109	2236
Valve. Air-brake-operating.	A. Gottschalk.	777,340	Dec. 13	1718	381	113	1823
Valve. Air-brake pressure-reducing.	G. W. Kaiser.	764,597	July 12	1439	294	111	331
Valve. Air-brake-system controlling.	E. Cheshire.	762,025	June 7	800	164	110	1612
Valve. Air-brake triple.	J. H. Bleco.	757,016	Apr. 12	1605	949	109	1699
Valve. Air-brake triple.	V. C. Tasker.	767,318	Aug. 9	2401	503	111	1590
Valve. Air-compressor.	E. H. Steedman.	770,793	Sept. 27	3137	665	112	757
Valve. Air-compressor piston.	G. J. Kennedy.	768,465	Aug. 23	4764	998	111	2157
Valve. Air-pipe-coupling pressure-relief.	D. W. Elliott and J. B. Ruby.	756,484	Apr. 5	1564	129	109	1463
Valve. Air-relief.	J. T. Lewis.	775,661	Nov. 22	4336	915	113	1035
Valve. Alarm.	H. A. Fiske.	767,337	Aug. 9	2435	511	111	1597
Valve and angle-cock. Automatic safety.	O. P. Bowman.	772,919	Oct. 25	3440	746	112	1759
Valve and blow-off. Safety.	A. Goebel.	776,834	Dec. 6	757	185	113	1593
Valve and cooperating parts. Check.	W. and J. Boekel.	750,082	Jan. 19	3091	665	108	730
Valve and packing. Combined.	T. Grant.	759,514	May 10	1903	382	110	451
Valve and regulating means therefor.	J. A. Staples.	774,972	Nov. 15	2910	602	113	663
Valve and support therefor. Puppet.	B. Morgan.	762,078	June 7	895	185	110	1631
Valve and valve-seat.	S. E. Painter.	755,925	Mar. 29	5305	1171	109	1227
Valve. Automatic.	E. L. Davis.	770,545	Sept. 27	3278	690	112	788
Valve. Automatic air safety.	F. B. Morrison.	772,951	Oct. 25	3496	758	112	1770
Valve. Automatic flushing.	F. A. Schossow.	756,291	Apr. 5	196	42	109	1386
Valve. Automatic release.	N. R. Maus.	770,646	Sept. 20	2870	609	112	680
Valve. Automatic relief.	A. Anderson.	764,877	July 12	2005	413	111	455
Valve. Automatic siphon.	A. O'Brien.	755,036	Mar. 22	3610	792	109	841
Valve. Automatic stop.	E. Gonzenbach.	756,845	Apr. 12	1258	280	109	1629
Valve. Back-pressure.	H. J. Wessinger.	756,306	Apr. 5	224	46, 47	109	1392
Valve. Balanced hydraulic.	F. Henneböhle.	763,889	June 28	4484	977	110	2472
Valve. Balanced slide.	H. D. and C. L. Dunbar.	763,167	June 21	3080	663	110	2148
Valve. Ball-cock.	C. C. Tozier.	752,314	Feb. 16	3867	644	108	1720
Valve. Blow-off.	C. B. Bosworth.	756,463	Apr. 5	547	114	109	1450
Valve. Blow-off.	J. D. Kiser.	759,448	May 10	1769	357	110	420
Valve. Blow-off.	F. McCarthy.	771,486	Oct. 4	516	116	112	1068
Valve. Blowing-engine.	A. K. Rarig.	753,159	Feb. 23	4535	1011	108	2101
Valve. Blowing-engine.	A. T. Keller.	758,493	Dec. 27	4017	882	113	2346
Valve. Boiler feed.	T. J. Genack.	777,823	Dec. 13	2283	501	113	1944
Valve. Bottle.	R. B. Bailey.	772,269	Oct. 11	2138	467	112	1436
Valve. Brake.	J. V. Wells.	753,020	Feb. 23	4292	954	108	2048
Valve. Brake or other.	M. W. Hall.	768,940	Aug. 30	5762	1210	111	2396
Valve-cage. Pumping-engine.	W. Miller.	763,707	Sept. 13	1089	332	112	205
Valve cam-movement.	C. Rogers.	753,231	Mar. 1	786	175	109	171
Valve centralizing operating mechanism.	R. C. Bromley.	767,732	Aug. 16	3204	675	111	1788
Valve. Check.	A. Stenwall.	764,642	July 12	1537	314	111	352
Valve. Check.	V. M. Denman.	777,942	Dec. 20	2952	648	113	2098
Valve. Circulating.	J. Collis.	753,822	May 3	484	96	110	117
Valve. Combined steam and water.	L. A. Parker and H. D. Castleberry.	753,427	Mar. 1	394	91	109	86
Valve. Compressed air-brake distributing.	G. Houplain.	752,976	Feb. 23	4210	937	108	2029
Valve. Compressor.	S. A. Reeve.	755,317	Mar. 22	4114	909	109	946
Valve. Controlling.	A. H. Mosher.	753,999	Mar. 8	1560	349	109	360
Valve-controlling device.	A. F. Donaldson.	772,574	Oct. 18	3331	727	112	1717
Valve-controlling mechanism.	F. Hodgkinson.	751,510	Feb. 9	1336	305	108	1362
Valve-controlling mechanism. Electrical.	I. G. Waterman.	775,021	Nov. 15	2922	623	113	691
Valve-controlling mechanism. Electrical.	I. G. Waterman.	775,051	Nov. 15	2927	634	113	704
Valve-controlling mechanism. Electromagnetic.	I. G. Waterman.	775,017	Nov. 15	2914	622	113	689
Valve-controlling mechanism. Electromagnetic.	I. G. Waterman.	775,018	Nov. 15	2915	622	113	689
Valve-controlling mechanism. Electromagnetic.	I. G. Waterman.	775,019	Nov. 15	2919	623	113	690
Valve-controlling system. Electromagnetic.	I. G. Waterman.	775,020	Nov. 15	2920	623	113	691
Valve. Convertible.	J. L. Berkey and N. A. McKeever.	770,154	Sept. 13	1907	406	112	416
Valve device.	C. C. Hedberg.	755,000	Mar. 22	3546	777	109	826
Valve device.	J. Kelly.	759,530	May 10	1932	394	110	458
Valve device.	J. Lamb and J. Arpp, Jr.	762,538	June 14	1829	393	110	1855
Valve device.	C. H. Watters.	765,867	July 26	3947	843	111	898
Valve device for air-brakes. Simultaneous.	J. W. Cloud.	774,157	Nov. 8	1219	261	113	292
Valve. Disk.	R. Baumann.	749,518	Jan. 12	2004	416	108	469
Valve. Distributing.	F. Burger.	777,592	Dec. 13	2927	488	113	1933
Valve. Dry-pipe.	M. Shively.	759,563	May 10	1984	498	110	469
Valve. Dry-pipe.	F. Grinnell.	761,165	May 31	5177	1100	110	1321
Valve. Dry-pipe.	J. C. Meloon.	761,175	May 31	5190	1103	110	1223
Valve. Dry-pipe.	J. H. Derby.	772,134	Oct. 11	1850	411	112	1371
Valve. Elastic-fluid-compressor.	J. C. Kitton.	765,363	July 19	3931	612	111	670
Valve. Electromagnetic.	I. G. Waterman.	775,054	Nov. 15	2923	623	113	705
Valve. Emergency.	W. Cooper.	752,304	Feb. 16	2660	590	108	1669
Valve. End train-pipe.	R. M. Dixon.	755,284	Mar. 22	4049	898	109	934
Valve. Engine.	J. H. Jones.	764,569	Mar. 15	2726	593	109	629
Valve. Engine.	R. A. Norling.	762,934	June 21	3638	572	110	2050
Valve. Engine.	J. B. Allfree.	770,071	Sept. 20	2923	621	113	693
Valve. Engineer's brake.	M. Corrington.	762,865	June 14	2300	540	110	1999
Valve. Engineer's brake.	J. C. Lyons.	772,422	Oct. 18	2454	538	112	1527

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Valve. Faucet.....	F. F. Field.....	757,731	Apr. 19	3047	664	109	2026
Valve. Feed.....	J. L. Curran.....	763,162	June 21	3072	692	110	2146
Valve. Fluid-pressure-engine slide.....	S. E. Webbe.....	773,910	Nov. 1	761	159	113	175
Valve. Fluid-pressure-motor.....	C. A. Carlson.....	748,928	Jan. 5	716	156	108	162
Valve. Fluid-pressure-reducing.....	F. L. Dodgson.....	763,375	June 26	3504	756	110	2263
Valve. Flush.....	E. A. Marsh.....	758,015	Apr. 19	3590	778	109	2145
Valve. Flushing.....	R. F. Gillin.....	750,763	Jan. 26	4501	950	108	1026
Valve. Flushing.....	T. C. Beaumont.....	770,416	Sept. 20	2438	514	112	584
Valve for air-brake control. Equilibrium intercepting.....	E. G. Shortt.....	758,285	Apr. 26	4141	894	109	2284
Valve for air-brake systems. Triple.....	W. V. Turner.....	773,043	Oct. 25	3693	794	112	1814
Valve for blowing-engines and air-compressors.....	A. K. Mansfield.....	756,868	Apr. 12	3011	290	109	1636
Valve for blowing-engines. Automatic air-discharge.....	A. K. Rarig.....	769,833	Sept. 13	1335	285	112	320
Valve for compound locomotives. Starting.....	R. Schultheiss.....	769,360	Sept. 6	444	100	112	98
Valve for compressed-air water-elevators.....	J. L. Latta and J. A. Martin.....	773,796	Nov. 1	493	107	113	115
Valve for compressing-engines. Inlet.....	I. H. Reynolds.....	749,323	Jan. 12	1584	335	108	381
Valve for explosive-engines. Feed.....	L. Anderson.....	770,731	Sept. 27	3033	646	112	735
Valve for gas or gasoline engines. Speed-controlling.....	J. W. Lambert.....	753,147	Feb. 23	4511	1006	108	2305
Valve for internal-combustion engines. Admission.....	H. Power.....	760,920	May 24	4660	992	110	1091
Valve for irrigation stand-pipes, &c.....	G. Keller and E. Thomason.....	763,187	June 21	3122	671	110	2158
Valve for leach-tanks.....	A. A. Stewart.....	770,332	Sept. 20	2395	482	112	554
Valve for locomotive-cylinders. Relief.....	F. L. Robinson.....	775,250	Nov. 15	3441	727	113	817
Valve for locomotive-engine cylinders. Relief.....	R. P. C. Sanderson.....	757,146	Apr. 12	1868	408	109	1757
Valve for oil-tanks, &c. Air.....	F. Robinson.....	763,115	June 21	2964	639	110	2121
Valve for portable pneumatic motors. Throttle.....	R. A. Norling.....	762,933	June 21	2636	571	110	2050
Valve for processing apparatus.....	R. E. Carder.....	777,776	Dec. 20	2566	568	113	2021
Valve for rain-spouts. Automatic.....	J. H. Kochenderfer.....	763,188	June 21	3123	671	110	2158
Valve for safety train-stops. Air.....	H. G. Sedgwick.....	757,571	Apr. 19	2735	598	109	1857
Valve for steam-engines. Balanced.....	J. P. McDonough.....	771,168	Sept. 27	3014	826	113	929
Valve for steam heating apparatus. Automatic.....	J. A. and W. T. Donnelly.....	778,015	Dec. 20	3094	680	113	2126
Valve for steam-heating systems.....	G. D. Hoffman.....	751,853	Feb. 9	1996	453	108	1052
Valve for steering-engines. Controlling.....	R. Richardson.....	761,253	May 31	5340	1134	110	1256
Valve for tanks. Discharge.....	C. W. Schultz.....	772,434	Oct. 18	2478	543	112	1533
Valve for turbine-engines. Governor.....	J. H. K. McCollum.....	754,489	Mar. 15	2577	560	109	590
Valve for water-heaters. Hydrosiphon.....	J. A. Stevenson.....	773,687	Nov. 1	298	86	113	71
Valve. Fusible-plug.....	J. L. Downs.....	766,606	Aug. 2	958	201	111	1254
Valve. Gate-cock.....	J. T. Spragins.....	765,525	July 19	3257	682	111	740
Valve. Gate.....	S. S. Jacobsen.....	751,735	Feb. 9	1700	400	108	1450
Valve. Gate.....	C. E. Huxley.....	765,430	July 19	3064	642	111	699
Valve. Gate.....	G. P. McArthur.....	768,393	Aug. 23	4637	970	111	2129
Valve-gear.....	F. Williams.....	754,950	Mar. 15	3462	758	109	791
Valve-gear.....	S. A. Reeve.....	757,411	Apr. 12	2398	521	109	1868
Valve-gear.....	S. L. McCain.....	763,502	June 28	3748	809	110	2315
Valve-gear.....	J. E. McNeely.....	764,490	July 5	1179	241	111	260
Valve-gear.....	G. W. Spragins.....	767,505	Aug. 16	2790	583	111	1696
Valve-gear.....	P. Dietz.....	770,564	Sept. 20	2720	576	112	648
Valve-gear.....	W. Gadd.....	777,672	Dec. 20	2379	523	113	1980
Valve-gear. Engine.....	G. F. Conner.....	748,931	Jan. 5	726	157	108	164
Valve-gear. Engine.....	P. F. C. Willcox.....	751,037	Feb. 2	471	110	108	1161
Valve-gear. Engine.....	O. Jackson.....	758,317	Apr. 26	4220	907	109	2303
Valve-gear. Engine.....	O. Jackson.....	758,365	Apr. 26	4309	925	109	2321
Valve-gear. Engine.....	S. L. Berry.....	762,377	June 14	1475	321	110	1779
Valve-gear. Engine.....	E. A. Rix.....	772,535	Oct. 18	2675	588	112	1374
Valve-gear. Explosive-engine.....	R. E. Olds.....	750,684	Jan. 26	4207	912	108	979
Valve-gear. Explosive-engine.....	J. M. Johnson.....	751,293	Feb. 2	971	221	108	1263
Valve-gear. Explosive-engine.....	L. T. and C. Hagan.....	757,937	Apr. 19	3406	737	109	2105
Valve-gear. Explosive-engine.....	F. Hardenbrook and W. Rice.....	760,333	May 17	3482	733	110	817
Valve-gear. Explosive-engine.....	A. Bougault.....	774,554	Nov. 8	1955	424	113	451
Valve-gear for Corliss engines. Releasing.....	C. H. Way.....	776,708	Dec. 6	482	106	113	1533
Valve-gear for fluid-pressure engines.....	E. H. Robinson.....	749,882	Jan. 19	2701	577	108	633
Valve-gear. Gas-engine.....	F. Dickinson.....	769,332	Sept. 6	390	90	112	84
Valve-gear. Independent.....	W. F. Torrey.....	758,301	May 3	640	130	110	153
Valve gear. Internal-combustion-engine inlet.....	W. F. Torrey.....	773,302	Oct. 25	4361	921	112	1969
Valve-gear. Reversing.....	A. P. Brush.....	767,794	Aug. 16	3317	700	111	1814
Valve-gear. Shifting eccentric.....	E. Belknap.....	777,587	Dec. 13	3216	485	113	1890
Valve-gearing.....	F. J. Waters.....	763,131	June 21	2993	649	110	2127
Valve-gearing. Steam-engine.....	O. W. Young.....	751,769	Feb. 9	1829	415	108	1461
Valve. Globe.....	F. D. Stanwood.....	754,620	Mar. 15	2818	615	109	649
Valve. Globe.....	D. A. Philip.....	751,005	Feb. 2	412	98	108	1149
Valve. Governor.....	W. A. McGowan.....	761,849	June 7	483	97	110	1547
Valve. Governor or regulating.....	J. E. Parrish.....	754,830	Mar. 15	3324	735	109	761
Valve. High-pressure.....	J. R. Tanner.....	772,369	Oct. 18	2350	516	112	1504
Valve. High-pressure.....	J. R. Tanner.....	751,572	Feb. 9	1463	332	108	1389
Valve. High-speed pressure-reducing.....	H. B. Robinson.....	763,694	June 28	4111	896	110	2392
Valve. Hot-blast.....	G. W. Kaiser.....	764,596	July 12	1488	294	111	330
Valve. Hydraulic.....	J. Kennedy.....	760,873	May 24	4564	973	110	1071
Valve. Hydraulic.....	C. E. Ward.....	749,005	Jan. 5	901	191	108	210
Valve. Hydraulic.....	M. Sjoberg.....	749,136	Jan. 5	1182	252	108	274
Valve. Induction.....	P. B. Bosworth.....	756,009	Aug. 16	2978	623	111	1738
Valve. Inflation.....	J. H. Spray.....	756,572	Apr. 5	732	158	109	1497
Valve. Interlocking.....	A. A. Ball, Jr.....	766,910	Aug. 9	1617	340	111	1429
Valve interlocking device.....	W. F. Cole.....	771,892	Oct. 11	1346	305	112	1261
		772,088	May 11	1767	893	112	1353

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Valve. Internal-combustion-engine	C. E. Sargent	752,303	Feb. 16	2860	636	108	1713
Valve. Internal-combustion-engine	C. E. Sargent	752,304	Feb. 16	2863	637	108	1714
Valve. Locomotive	H. G. Coryell and J. E. Stephens	752,439	Feb. 16	3128	695	108	1770
Valve. Locomotive cut-out	K. Rushton	758,172	Aug. 23	4172	878	111	2020
Valve. Locomotive relief	K. Rushton	749,101	Jan. 5	1107	234	108	254
Valve mechanism	W. A. Bollinger	749,156	Jan. 12	1229	263	108	301
Valve mechanism	E. Kromer	752,400	Feb. 16	3054	678	108	1756
Valve mechanism	M. Schilde	752,471	Feb. 16	3177	708	108	1782
Valve mechanism	M. Schilde	752,472	Feb. 16	3179	709	108	1782
Valve mechanism	H. R. Mason	757,479	Apr. 19	2538	557	109	1913
Valve mechanism	J. Kennedy	761,499	May 31	5801	1239	110	1360
Valve mechanism	G. Bowen	762,680	June 14	2097	456	110	1913
Valve mechanism	T. H. Alexander	764,411	July 5	1026	209	111	228
Valve mechanism	H. Walther	769,036	Aug. 30	5957	1247	111	2439
Valve mechanism	H. L. Gerken	773,388	Oct. 25	4546	961	112	2009
Valve mechanism	E. Thomson and A. A. Ball, Jr.	775,586	Nov. 22	4180	881	113	999
Valve mechanism	T. G. Van Sant	778,058	Dec. 30	3230	710	113	2154
Valve mechanism. Basin-outlet	G. A. Soderlund	767,450	Aug. 16	2671	560	111	1668
Valve mechanism. Blowing-engine	E. G. Rust	766,732	Aug. 2	1218	258	111	1311
Valve mechanism. Engine	B. Botkowski	759,857	May 17	2573	538	110	612
Valve mechanism. Explosive-engine	A. Evensen	756,160	Mar. 29	5726	1265	109	1318
Valve mechanism for air-compressors or the like	A. W. and Z. W. Daw	765,359	July 19	2923	610	111	669
Valve mechanism for controlling flow of liquids	A. Priestman	775,855	Nov. 22	4696	964	113	1109
Valve mechanism for steam-engines. Discharge	C. A. Ferrari and J. R. Whittemore	730,105	Jan. 19	3135	674	108	730
Valve mechanism. Locomotive	J. B. Barnes	777,933	Dec. 20	2934	644	113	2095
Valve mechanism. Motor-driven	E. G. Howard	777,372	Dec. 13	1779	395	113	1836
Valve mechanism. Pressure-regulating	A. W. Schramm	765,638	July 19	3460	731	111	783
Valve-motion	C. F. Sleigh	749,456	Jan. 12	1870	389	108	439
Valve motor-disconnecting mechanism	E. G. Howard	777,374	Dec. 13	1786	396	113	1837
Valve. Motor-driven	E. G. Howard	777,373	Dec. 13	1782	396	113	1837
Valve. Motorman's	F. B. Corey	751,467	Feb. 9	1264	280	108	1345
Valve. Motorman's automatic lap	W. B. Potter	773,267	Dec. 27	3582	784	113	2249
Valve. Motorman's or engineer's	F. B. Corey	755,751	Mar. 29	4949	1101	109	1146
Valve-movement. Steam-engine	W. C. Brown	771,415	Oct. 4	401	89, 90	112	1042
Valve-operating device for blowing-engines. Electrical	S. T. Wellman	775,878	Nov. 22	4734	1003	113	1116
Valve-operating means	W. R. Wood	773,111	Oct. 25	3952	838	112	1877
Valve-operating mechanism	T. Barrow	755,734	Mar. 29	4915	1095	109	1138
Valve-operating mechanism	E. E. Arnold	769,373	Sept. 6	475	105	112	108
Valve or cock	H. J. Moreland	760,516	May 24	3892	826	111	1327
Valve or faucet	W. Welsh	761,433	May 31	5688	1212	110	1334
Valve piston and connection. Triple	A. H. Geltz and L. L. Hosack	755,457	Mar. 22	4567	1016	109	1045
Valve piston and connection. Triple	A. H. Geltz and L. L. Hosack. (Re-issue.)	12,345	July 26	4529	968	111	1024
Valve. Pop safety	H. F. Tippet	769,512	Sept. 6	733	159	112	166
Valve. Pressure-reducing	G. E. Taylor	768,246	Aug. 23	4320	909	111	2053
Valve. Pressure-regulating	G. G. Smith	774,340	Nov. 8	1556	334	113	367
Valve. Puppet	H. Dock	765,727	July 26	3677	785	111	841
Valve. Puppet	H. Holzwarth	769,382	Sept. 6	490	108	112	111
Valve. Quick-action triple	R. A. Parke	761,703	June 7	163	31	110	1473
Valve. Reciprocating cylindrical	A. B. Denison	767,390	Aug. 9	2423	508	111	1595
Valve. Reducing	J. J. Burke	757,581	Apr. 19	3334	722	109	2089
Valve. Reducing	A. Roth	761,106	May 31	5064	1075	110	1196
Valve. Reducing	J. B. Bourseau	762,274	June 14	1253	272	110	1735
Valve. Regulating	N. E. Nash	749,396	Jan. 12	1732	367	108	413
Valve. Regulating	J. Johnson	775,823	Nov. 22	4636	982	113	1096
Valve. Relief	N. Lombard	754,467	Mar. 15	2522	550	109	585
Valve. Relief	S. O. Brune	755,996	Mar. 29	5434	1201	109	1235
Valve. Relief	F. Schreidt	770,824	Sept. 27	3239	638	112	780
Valve. Relief	C. G. Davis	773,225	Dec. 27	3481	766	113	2227
Valve-reseating device	M. Lockett	770,180	Sept. 13	1956	417	112	456
Valve-reseating device	T. B. Williams	771,194	Sept. 27	3960	836	112	938
Valve-reseating machine. Gate	F. L. Smith	753,747	Mar. 1	1019	231	109	219
Valve. Reversing	W. H. Hume	762,721	June 14	1203	278	110	1394
Valve. Rocking	R. Whitehill	773,207	Dec. 20	3448	758	113	2200
Valve. Rotary	R. Gillette	751,281	Feb. 2	951	216	108	1259
Valve. Safety	C. C. Palmer	752,099	Feb. 16	2466	551	108	1625
Valve. Safety	N. Lombard	754,468	Mar. 15	2527	551	109	587
Valve. Safety	F. Bode and M. Kegler	770,043	Sept. 13	1719	369	112	406
Valve. Safety	J. Powell	773,580	Nov. 1	107	22	113	29
Valve-seat planer. Portable	W. H. Bean	753,786	Mar. 1	1107	251	109	239
Valve-seat-truing device	H. L. Mitchell	766,610	Dec. 6	282	62	113	1492
Valve-seats. Securing	J. E. L. Ogden	769,831	Sept. 13	1329	283	112	319
Valve. Self-closing and siphon	A. O'Brien	772,668	Oct. 18	2926	642	112	1628
Valve. Self-closing stop	C. Hundt	765,077	July 12	2397	499	111	537
Valve. Shut-off	L. Gschwind	756,624	Apr. 5	820	177	109	1516
Valve. Slide	T. J. B. Edwards	771,132	Sept. 27	3838	810	112	913
Valve. Slide	H. C. Lenderman	778,419	Dec. 27	3694	848	113	2316
Valve. Steam	J. L. McJunkin	756,688	Apr. 5	945	218	108	1344
Valve. Steam	T. and J. R. Ray	761,607	May 31	5988	1296	110	1401
Valve. Steam-actuated	R. D. Ackley	750,331	Jan. 26	3559	770	108	844
Valve. Steam-actuated	E. W. Penfold	750,486	Jan. 26	3835	833	108	903
Valve. Steam-actuated	A. J. Holmberg	760,122	May 17	3085	645	110	726
Valve. Steam-actuated	L. Picard and G. Bureau	767,498	Aug. 16	2780	580	111	1693

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Valve. Steam-boiler safety.....	A. R. Ploppert.....	762,085	June 7	904	186	110	1638
Valve. Steam-engine.....	O. W. Young.....	751,131	Feb. 2	637	147	108	1196
Valve. Steam-engine.....	J. Horton.....	767,374	Aug. 9	2331	488	111	1575
Valve. Steam-engine cut-off.....	F. J. Waters.....	758,122	Apr. 26	3822	829	109	2215
Valve. Steam-engine cut-off.....	F. J. Waters.....	774,502	Nov. 8	1852	402	113	430
Valve. Steam-engine piston.....	W. Schmidt.....	750,400	Jan. 26	3676	798	108	869
Valve. Steam-engine reversing.....	E. Kromer.....	758,401	Feb. 16	3056	678	108	1756
Valve. Steam-engine reversing.....	J. Nielsen.....	758,772	May 3	389	77	110	96
Valve. Steam-engine reversing.....	T. Sullivan.....	761,426	May 31	5678	1208	110	1331
Valve. Stop.....	A. C. Badger.....	762,268	June 14	1251	263	110	1732
Valve. Stop.....	J. Robinson.....	763,208	June 21	3160	679	110	2166
Valve. Stop.....	J. Hopkinson and R. Kilburn.....	778,664	Dec. 27	4363	953	113	2418
Valve. Stop and automatic cut-off.....	I. Mayer and J. Hübner.....	751,666	Feb. 9	1627	369	108	1423
Valve. Tank.....	E. K. Ascher.....	771,221	Oct. 4	3	1	112	961
Valve-testing rack. Triple.....	A. G. Sandberg.....	772,378	Oct. 18	2366	519	112	1507
Valve. Thermostatic.....	W. E. Barnes.....	767,300	Aug. 9	2199	458	111	1546
Valve. Throttle.....	J. B. Michael.....	751,667	Feb. 9	1629	468	108	1423
Valve. Throttle.....	J. Desmond.....	754,547	Mar. 15	2082	582	109	622
Valve. Throttle.....	R. A. McKee.....	757,486	Apr. 19	2552	560	109	1916
Valve. Train-pipe steam.....	E. E. Gold.....	756,491	Apr. 5	598	129	109	1468
Valve. Train-pipe steam.....	E. E. Gold.....	756,492	Apr. 5	600	129	109	1468
Valve. Trap.....	C. J. Wall.....	754,747	Mar. 15	2070	770	109	706
Valve. Triple.....	J. V. Wells.....	753,018	Feb. 23	4282	953	108	2046
Valve. Triple.....	J. V. Wells.....	753,019	Feb. 23	4287	953	108	2047
Valve. Triple.....	H. H. Westinghouse.....	759,947	May 17	2721	573	110	648
Valve. Triple.....	N. A. Christensen.....	768,586	Aug. 30	5040	1058	111	2233
Valve. Water-heater.....	J. Ellis.....	753,195	Feb. 23	4606	1026	108	2118
Valve. Water-supply.....	H. Gardenier.....	749,285	Jan. 12	1509	321	108	363
Valves. Adjustable retarding device for reciprocating.....	H. P. Thompson.....	772,115	Oct. 11	1814	402	112	1363
Valves, faucets, plumbers' fittings, &c. Handle for.....	H. F. Keil.....	749,692	Jan. 12	2322	490	108	538
Valves. Fluid-pressure coupling for air-brake.....	D. H. Staples.....	754,021	Mar. 8	1605	358	109	370
Valves in pipes, &c. Means for connecting.....	R. A. Brooks.....	766,753	Aug. 2	1252	267	111	1319
Valves. Means for operating pneumatic.....	W. Lintner.....	765,743	July 26	3704	790	111	847
Valves or equivalent means of hydraulic apparatus.....	H. E. Warren.....	752,491	Feb. 16	3214	717	108	1789
Valves or other like purposes. Machine for facing.....	F. L. Smith.....	763,642	June 28	3994	871	110	2366
Vanadium and its alloys. Manufacturing.....	G. Gin.....	765,001	July 12	2247	464	111	507
Vanillin. Making.....	R. N. Riddle.....	754,164	Mar. 8	1867	139	109	429
Vapor-absorber.....	J. Patten.....	756,521	Apr. 5	647	140	109	1478
Vapor at atmospheric pressure. Apparatus for producing.....	A. J. Detweiler.....	772,704	Oct. 18	3004	660	112	1645
Vapor at atmospheric pressure. Producing superheated.....	A. J. Detweiler.....	772,703	Oct. 18	3003	659	112	1644
Vapor-bath.....	C. E. Hurley.....	761,228	May 31	5290	1124	110	1244
Vapor-burner.....	F. E. and F. O. Stanley.....	750,410	Jan. 26	3692	801	108	873
Vapor-burner.....	F. F. Dow.....	756,603	Apr. 5	782	170	109	1508
Vapor-burner.....	H. F. Smith.....	759,034	May 3	886	180	110	203
Vapor-burner.....	J. G. Branch.....	762,129	June 7	983	204	110	1650
Vapor-burner.....	A. H. Herron.....	768,125	Aug. 23	4087	860	111	2003
Vapor-burner.....	M. Friedmann and R. Knoller.....	773,383	Oct. 25	4528	958	112	2004
Vapor-burner.....	A. Gateau.....	766,231	Nov. 29	5462	1156	113	1301
Vapor-burner.....	D. J. Canchester.....	773,402	Dec. 27	3859	842	113	2308
Vapor-burner air-mixing pipe.....	J. Stubbers.....	764,159	July 5	503	99	111	111
Vapor-burner air-mixing pipe.....	J. Stubbers.....	764,160	July 5	505	99	111	112
Vapor-burning furnace.....	J. H. Fink.....	750,100	Jan. 19	3137	674	108	731
Vapor-conductors. Leading-in device for.....	M. von Recklinghausen.....	760,756	May 24	4338	921	110	1022
Vapor-engine.....	B. H. Pomeroy.....	750,489	Jan. 26	3838	833	108	904
Vapor generating and lighting apparatus.....	F. H. Bissell.....	750,231	May 10	1342	267	110	336
Vapor-generator.....	A. C. E. Rateau.....	751,998	Feb. 9	2296	514	108	1568
Vapor-generator.....	J. Andrews.....	755,988	Mar. 29	5420	1197	109	1252
Vapor-generator.....	A. H. Wolya.....	760,675	May 24	4165	884	110	985
Vapor-generator.....	J. Stubbers.....	760,122	Oct. 18	3004	660	112	1645
Vapor-generator and burner.....	G. E. Witt.....	772,488	Oct. 18	2597	571	112	1357
Vapor or gas exhausting apparatus.....	Q. Crane and J. Restine.....	749,685	Jan. 12	2306	487	108	535
Vaporizer.....	V. Schwaninger.....	767,502	Aug. 16	2786	582	111	1694
Vaporizer. Retort.....	J. M. Locky and C. E. Lucke.....	767,456	Aug. 16	2685	564	111	1671
Vaporizing apparatus.....	R. Dempster.....	761,949	Aug. 7	624	133	110	1583
Variable-speed motor.....	E. Fournier.....	760,764	May 24	4393	934	110	1035
Variable-stroke mechanism.....	M. Pfatischer.....	775,310	Nov. 22	3565	752	113	861
Valuator.....	H. S. Baldwin.....	772,301	Oct. 18	2286	524	112	1512
Varnish.....	W. C. Andrews.....	753,754	Mar. 1	1029	232	109	221
Varnish substitutes. Manufacturing.....	A. Muller-Jacobs.....	756,975	Apr. 12	1521	234	109	1681
Varnished surfaces or the like. Machine for finishing.....	R. Blum.....	750,575	Jan. 26	4017	898	108	939
Varnishing.....	D. Goldsmith.....	771,544	Oct. 4	651	145	112	1097
	T. P. Anderson, Jr.....	770,732	Sept. 27	3035	112	735	

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Vase.	W. Peterson	759,913	May 17	2671	561	110	635
Vat. See Milk-vat.							
Vault.	T. H. Given and W. H. Hollar	775,674	Nov. 22	4361	919 920	113	1038
Vault. Burial.	E. T. Allen	755,986	Mar. 29	5418	1197	109	1252
Vault. Burial.	J. W. Pettibone	765,288	Aug. 2	301	61	111	1107
Vault. Burial.	J. W. Brandenburg	769,587	Sept. 6	866	185	112	196
Vault-cover. Illuminating	J. T. Harrop	758,443	Apr. 26	4464	960	109	2357
Vault. Grave.	J. W. Freeman	755,866	Mar. 29	5186	1148	109	1201
Vault-light construction.	W. L. Caldwell	760,728	May 24	4280	909	110	1010
Vault or safe.	H. D. Hibbard and W. Gaston	758,069	Apr. 26	3727	810	109	2192
Vault. Safe-deposit	T. Rauschenbach	763,110	June 21	2957	637 638	110	2120
Vaults. Device for sealing grave.	C. H. Hiser	760,454	May 24	3710	785	110	886
Vegetable boiler or steamer	G. H. and M. A. Lawrence	758,984	May 3	799	161	110	184
Vegetable-cutter.	R. L. Dorsey	773,504	Oct. 18	2626	577	113	1563
Vegetable-cutter.	W. Goble	774,065	Nov. 1	1057	235	113	239
Vegetable-cutter.	J. Valk	775,639	Nov. 22	4289	905	113	1023
Vegetable hair. Machine for making	W. Hanson	765,481	July 19	3183	665 666	111	724
Vegetable-topping machine	A. E. Vrooman	772,762	Oct. 18	3132	681	112	1671
Vegetable-washer.	J. F. Fugazzi	758,056	Apr. 26	3090	801	109	2187
Vehicle.	C. O. Barnes	752,135	Feb. 16	3121	694	108	1769
Vehicle.	L. Abraham	756,807	Apr. 12	1183	263	109	1613
Vehicle.	J. E. Armstrong.	766,485	Aug. 2	705	148	111	1194
Vehicle.	W. W. Robinson.	767,529	Aug. 16	2835	532 533	111	1705
Vehicle.	E. J. Pennington	769,402	Sept. 6	522	115	112	118
Vehicle.	M. L. Senderling.	770,445	Sept. 20	2180	526	112	593
Vehicle.	J. A. Williams	772,198	Oct. 11	1996	440	112	1403
Vehicle.	J. A. Williams	772,199	Oct. 11	1998	441	112	1403
Vehicle.	P. A. Little	773,402	Oct. 18	4575	966	112	2014
Vehicle alarm. Road.	N. M. Goudas and K. S. Irani.	750,636	Jan. 26	4116	892	108	960
Vehicle. Athletic	P. Holtzmann	772,881	Oct. 18	3362	731	112	1723
Vehicle attachment.	W. H. Wansbrough	763,530	June 28	3792	820	110	2323
Vehicle attachment.	A. Obitz	769,564	Sept. 6	828	177	112	187
Vehicle attachment. Motor.	H. Hayes	777,369	Dec. 13	1774	394	113	1835
Vehicle. Autotractor.	A. Wenberg	767,460	Aug. 16	2690	565	111	1672
Vehicle band-brake	A. Sperl	769,416	Sept. 6	550	120	112	124
Vehicle-bodies. Means for connecting running-gears to	W. H. Wansbrough	758,878	May 3	607	120	110	544
Vehicle-body.	F. H. Bolte	749,658	Jan. 12	2956	475	108	152
Vehicle-body.	R. F. Monroe	750,298	Jan. 26	3490	755	108	826
Vehicle-body.	L. G. Nilson	760,226	May 17	3310	695	110	779
Vehicle-body.	R. L. Notman	761,177	May 31	5193	1103	110	1224
Vehicle-body.	A. G. Brunsmann	761,816	June 7	414	84	110	1531
Vehicle-body.	C. C. Adelsperger	768,451	June 28	3663	788 789	110	2297
Vehicle-body.	E. Demsky and C. Redecker	767,264	Aug. 9	2308	483	111	1571
Vehicle-body.	J. D. Artz	769,455	Sept. 6	613	135	112	139
Vehicle-body corner	W. B. C. Hershey	775,449	Nov. 22	3863	818	113	930
Vehicle-body hanger.	C. La Dow	754,149	Mar. 8	1838	410	109	422
Vehicle-body hanger.	H. C. Swan	726,073	Mar. 29	5574	1230	109	1286
Vehicle-body hanger.	H. Jones.	757,623	Apr. 19	2852	621	109	1984
Vehicle-body loop	L. Crise	753,472	Mar. 1	468	110	109	102
Vehicle-boot.	H. C. Martell	765,626	July 19	3442	726	111	779
Vehicle-boot.	H. C. Martell	765,627	July 19	3443	726	111	779
Vehicle-brake	T. Treloar	748,818	Jan. 5	494	111	108	112
Vehicle-brake	W. U. Wadsworth.	748,896	Jan. 5	654	145	108	147
Vehicle-brake	M. Jewell	748,955	Jan. 5	773	168	108	176
Vehicle-brake	N. L. Birchfield	749,895	Jan. 19	3726	583	108	644
Vehicle-brake	W. H. Cooley	750,261	Jan. 26	3416	739	108	800
Vehicle-brake	A. M. Ledbetter	750,373	Jan. 26	3836	738	108	860
Vehicle-brake	J. Ferrel	751,274	Feb. 2	937	213	108	1255
Vehicle-brake	W. D. Brown	752,328	Feb. 16	2912	650	108	1725
Vehicle-brake	W. S. Hays	752,675	Feb. 23	3596	801	108	1692
Vehicle-brake	J. Knuth and C. Read	752,984	Feb. 23	4224	941 942	108	2032
Vehicle-brake	W. H. Cooley	756,000	Mar. 29	5443	1202 1203	109	1257
Vehicle-brake	M. A. Schafer	756,899	Apr. 12	1367	305	109	1650
Vehicle-brake	H. P. Maxim	757,940	Apr. 19	3448	747	109	2114
Vehicle-brake	O. L. Dilworth	760,833	May 24	4334	966	110	1064
Vehicle-brake	J. G. Ebken	761,460	May 31	5734	1222	110	1344
Vehicle-brake	J. G. Ebken	763,095	June 21	2937	632	110	2115
Vehicle-brake	M. J. Todd	766,744	Aug. 2	1234	262	111	1315
Vehicle-brake	H. R. MacDonald and I. E. Colcord.	767,289	Aug. 9	2370	495	111	1533
Vehicle-brake	A. Wissher	768,780	Aug. 30	5424	1142	112	2315
Vehicle-brake	G. E. Baumberger and J. Distelhorst.	769,047	Aug. 30	5981	1253	111	2444
Vehicle-brake	W. W. S. Kime	769,349	Sept. 6	430	96	112	95
Vehicle-brake	L. G. Nilson	770,101	Sept. 13	1815	383	112	426
Vehicle-brake	O. P. Persson	771,329	Oct. 11	1426	325	112	1277
Vehicle-brake	L. House	772,101	Oct. 11	1789	397	112	1359
Vehicle-brake	W. M. Flewelling	773,124	Dec. 20	3305	725	113	2170
Vehicle-brake	C. A. Buffington	773,631	Dec. 27	4308	940	113	2404
Vehicle-brake. Automatic	E. J. Johnson	750,195	Jan. 19	3287	711	108	762
Vehicle-brake. Automatic	T. and L. Edwards	768,739	June 28	4196	914 915	110	2411
Vehicle-brake. Automatic	E. E. Krenzel	774,084	Nov. 1	1097	234	113	248
Vehicle-brake. Automatic	C. A. Harris	775,298	Nov. 22	3541	746	113	856
Vehicle-brake device. Motor.	F. E. Stanley	761,329	May 31	5496	1169	110	1298
Vehicle-brake. Double	A. Winter	764,325	May 5	885	179	111	184
Vehicle-brake. Electric	A. Green and F. A. Strail	772,143	Oct. 11	1879	417	112	1376

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Vehicle-brake. Electric.....	J. N. Mahoney.....	776,526	Dec. 6	109	25 26 27	113	1449
Vehicle brake mechanism.....	H. Dixon.....	768,933	Aug. 30	5743	73	111	2391
Vehicle brake. Motor.....	C. Schmidt.....	770,392	Sept. 20	2392	505 506	112	575
Vehicle braking mechanism. Motor.....	J. W. Packard and W. A. Hatcher.....	732,582	Feb. 16	3387	755 756	108	1829
Vehicle chafe-iron.....	J. P. Baird.....	759,849	May 17	2561	535	110	610
Vehicle chain adjustment. Motor.....	H. Ford.....	769,734	Sept. 13	1193	245 112	112	276
Vehicle controller. Electrical.....	H. H. Cutler.....	776,220	Nov. 29	5424	1150 1151	113	1392
Vehicle controlling device. Electrically-propelled.....	O. Lasche.....	777,034	Aug. 6	1150	250	113	1563
Vehicle controlling mechanism.....	J. A. Charter.....	766,218	Dec. 2	133	25, 26	111	1070
Vehicle controlling mechanism. Electric.....	F. S. Wahl.....	751,581	Feb. 9	1475	335 336	108	1392
Vehicle controlling mechanism. Motor.....	J. W. Packard and W. A. Hatcher.....	773,097	Oct. 25	3876	827	112	1857
Vehicle. Convertible.....	H. Romlinder.....	750,396	Jan. 26	3666	729	108	866
Vehicle-coupling.....	C. H. Semm.....	751,692	Feb. 9	1674	379	108	1433
Vehicle, &c., coupling.....	H. M. Norris.....	774,903	Nov. 15	2682	576	113	634
Vehicle. Covered.....	H. M. Norris.....	770,775	Sept. 27	3119	661	112	753
Vehicle-curtain.....	R. Wall.....	765,693	July 26	3594	764	111	827
Vehicle draft appliance.....	E. L. Minnig.....	771,482	Oct. 4	508	115	112	1067
Vehicle draft attachment.....	F. H. Sharp.....	754,902	Mar. 15	3539	735	109	767
Vehicle draft attachment.....	G. H. Klugel.....	778,047	Dec. 20	3155	694	113	2138
Vehicle draft-bars. Brace attachment for pivoted.....	L. H. and A. C. Plank.....	759,745	May 10	2337	487	110	545
Vehicle draft mechanism.....	R. Ueltschi.....	768,096	Aug. 25	4030	848	111	1990
Vehicle driving and steering mechanism. Motor.....	E. L. Russell.....	753,317	Mar. 1	184	42	109	43
Vehicle driving-gear. Motor.....	C. A. Miller.....	777,727	Dec. 20	2471	544	113	2001
Vehicle drop-brake.....	C. A. Miller.....	774,685	Nov. 8	2191	479	113	502
Vehicle. Dumping.....	F. I. E. Akers.....	755,268	Mar. 22	4024	892	109	928
Vehicle. Dumping.....	R. B. Rifenberick.....	771,936	Oct. 11	1439	327	112	1280
Vehicle. Electric motor.....	H. P. Maxim, H. M. Pope, and H. W. Alden.....	772,571	Oct. 18	2748	605 606	112	1590
Vehicle. Electrically-propelled.....	L. Krieger.....	752,689	Feb. 23	3627	807	108	1899
Vehicle. Electrically-propelled.....	H. P. Maxim.....	753,284	Mar. 1	130	81	109	33
Vehicle. Electrically-propelled.....	R. Thayer.....	764,020	July 5	306	37, 38	111	49
Vehicle, especially that used on common roads.....	B. J. Diplock.....	769,830	Sept. 13	1304	277 278	112	314
Vehicle. Flower-bearing.....	F. Bublitz and W. Scheel.....	765,124	July 12	2473	517	111	554
Vehicle flue construction.....	A. A. Ball, Jr.....	767,031	Aug. 9	1839	387	111	1470
Vehicle flue construction.....	H. Lemp.....	767,072	Aug. 9	1929	408	111	1490
Vehicle. Folding.....	C. E. Fanning.....	751,843	Feb. 9	1973	448 449	108	1496
Vehicle. Foot-propelled.....	W. J. Shields.....	776,357	Nov. 29	5679	1201 1202	113	1351
Vehicle for running on roads or rails. Motor.....	A. Collet.....	768,515	Aug. 23	4763	1019	111	2177
Vehicle-frame.....	T. B. Rennell.....	766,972	Aug. 9	1940	365	111	1448
Vehicle-frame.....	N. T. Harrington.....	773,639	Nov. 1	200	44	113	49
Vehicle frame and spring construction.....	W. F. Richards.....	754,610	Mar. 15	3798	610 611	109	645
Vehicle front gear.....	C. G. Streich.....	763,700	June 28	4125	899	110	2395
Vehicle-gear.....	T. H. Holman.....	755,491	Mar. 22	4430	982	109	1014
Vehicle-gear.....	F. E. Wilcox.....	766,307	Aug. 2	344	72	111	1116
Vehicle-jack.....	L. A. Casgrain.....	777,398	Dec. 13	1832	405	113	1848
Vehicle lamp-holder attachment.....	A. Groff.....	757,914	Apr. 19	3401	737	109	2104
Vehicle lap-robe holder.....	E. Buckensdorfer.....	763,459	June 28	3676	722	110	2301
Vehicle leveling mechanism.....	J. A. Flyte.....	754,985	Mar. 22	3523	771	109	820
Vehicle-lighting apparatus.....	J. A. Little.....	765,979	July 26	4159	888	111	946
Vehicle-lubricator.....	H. B. Burdick.....	769,736	Sept. 13	1231	265	112	296
Vehicle luggage-carrier.....	F. Simons.....	732,004	Feb. 9	2306	516	108	1570
Vehicle. Mechanically-propelled.....	D. M. Dearing.....	753,975	Mar. 22	3507	788	109	818
Vehicle. Motor.....	L. Renault.....	749,096	Jan. 5	1100	232	108	252
Vehicle. Motor.....	T. W. Barber.....	749,150	Jan. 12	1214	260 261	108	298
Vehicle. Motor.....	W. W. and W. W. Burson.....	749,165	Jan. 12	1250	269	108	307
Vehicle. Motor.....	J. W. Packard and W. A. Hatcher.....	749,744	Jan. 19	2452	522	108	583
Vehicle. Motor.....	H. M. Pope.....	750,062	Jan. 19	3058	656	108	713
Vehicle. Motor.....	B. C. Hicks.....	751,508	Feb. 9	1333	304	108	1361
Vehicle. Motor.....	W. J. and G. Lane.....	751,329	Feb. 9	1368	312	108	1368
Vehicle. Motor.....	W. J. and G. Lane.....	753,589	Mar. 1	717	161	109	150
Vehicle. Motor.....	W. J. and G. Lane.....	753,590	Mar. 1	718	161	109	157
Vehicle. Motor.....	H. S. Baldwin.....	756,152	Mar. 29	5714	1261	109	1315
Vehicle. Motor.....	C. R. Twitchell.....	756,992	Apr. 12	1553	341	109	1688
Vehicle. Motor.....	B. C. Hicks.....	758,137	Apr. 26	3359	836	110	46
Vehicle. Motor.....	W. O. Shadbolt and S. J. Wetmore.....	758,705	May 3	197	40, 41	110	46
Vehicle. Motor.....	R. Kuhn.....	759,999	May 17	2846	595	110	675
Vehicle. Motor.....	E. A. Wright.....	760,599	May 24	3821	810	110	912
Vehicle. Motor.....	S. S. Scott.....	760,810	May 24	4449	947 948	110	1045
Vehicle. Motor.....	L. J. Phelps.....	761,398	May 31	5631	1198 1199	110	1321
Vehicle. Motor.....	W. Christie.....	761,657	June 7	51	9, 10	110	1447
Vehicle. Motor.....	F. Schlais.....	763,931	June 28	4574	999 1000	110	2490
Vehicle. Motor.....	E. S. Lea.....	764,737	July 12	1735	352	111	393
Vehicle. Motor.....	W. W. Robinson.....	765,254	July 19	2703	563	111	621
Vehicle. Motor.....	J. W. Moakler.....	766,191	Aug. 2	71	13	111	1056
Vehicle. Motor.....	L. Bollée.....	766,414	Aug. 2	541	113	111	1159

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Vehicle. Motor-	F. Patee	766,769	Aug. 2	1298	375	111	1389
Vehicle. Motor-	G. Laro	766,830	Aug. 2	1466	307	111	1387
Vehicle. Motor-	R. L. Morgan	768,862	Aug. 30	5601	1177	111	2357
Vehicle. Motor-	W. S. Simpson	770,936	Sept. 27	3450	728	112	828
Vehicle. Motor-	J. C. Thomas	772,070	Oct. 11	1739	384	112	1345
Vehicle. Motor-	W. F. Kramer	772,463	Oct. 18	2540	558	112	1546
Vehicle. Motor-	C. Schmidt	777,548	Dec. 13	2128	465	113	1913
Vehicle. Motor-	W. H. Keates	778,133	Dec. 20	3321	728	113	2174
Vehicle. Motor-	R. C. Lewis	778,455	Dec. 27	3971	739	113	2332
Vehicle. Motor-	T. L. and T. J. Sturtevant	778,810	Dec. 27	4630	1010	113	2477
Vehicle. Motor-	T. L. and T. J. Sturtevant	778,811	Dec. 27	4632	1011	113	2478
Vehicle-motor and frame therefor	N. T. Harrington	776,023	Nov. 29	5054	1066	113	1208
Vehicle. Motor-propelled	C. E. Larrabee	751,660	Feb. 9	1617	367	108	1420
Vehicle motor suspension	H. P. Maxim	760,747	May 24	4323	917	110	1019
Vehicle motor-wheel	J. W. Walters	751,231	Feb. 2	845	198	108	1237
Vehicle mud and dust guard. Combined	J. H. Scott	750,007	Jan. 19	2948	681	109	692
Vehicle mud-guard	H. B. King and H. M. Quick	749,866	Jan. 19	2969	571	108	631
Vehicle or machine. Wheeled	L. W. Towne	751,722	Mar. 15	3034	662	109	697
Vehicle or other wheel	S. T. Felmlee	772,651	Oct. 18	2892	636	112	1621
Vehicle. Pneumatic-tired.	C. Mercader	770,531	Sept. 20	2657	563	112	633
Vehicle positioning apparatus	G. A. Ward	755,087	Mar. 22	3698	812	109	861
Vehicle propelling mechanism	J. R. Knapp	773,572	Nov. 1	77	15, 16	113	22
Vehicle rein-guard attachment	J. S. Towle	761,270	May 31	5376	1143	110	1263
Vehicle. Road motor-	W. E. Carmont	762,138	June 7	1002	208	110	1656
Vehicle rub-roller	C. G. Walker	769,581	Sept. 13	1415	301	112	398
Vehicle runner	J. Faucher	750,857	Feb. 2	85	108	112	1132
Vehicle runner. Wheeled-	E. E. Drury	766,940	Aug. 9	1682	353	111	1435
Vehicle running-gear	R. A. Moore	754,680	Mar. 15	2941	642	109	675
Vehicle running-gear	V. Jeffries	755,228	Mar. 22	3944	873	109	911
Vehicle running-gear	C. P. Malcolm	757,476	Apr. 19	2332	556	109	1912
Vehicle running-gear	W. Dieter	766,226	Aug. 2	161	29	111	1077
Vehicle running-gear	E. J. Pennington	769,401	Sept. 6	521	114	112	118
Vehicle running-gear	A. F. Madden	770,728	Sept. 20	3023	642	112	714
Vehicle running-gear	R. H. Jones	773,504	Oct. 25	4799	1012	112	8062
Vehicle running-gear	J. F. Murphy	774,122	Nov. 1	1160	247	113	262
Vehicle running-gear	H. P. Maxim	776,973	Nov. 29	5155	1088	113	1230
Vehicle running-gear. Motor-	E. B. W. Reichel	757,941	Apr. 19	3450	747	109	2115
Vehicle running-gear. Motor-	B. C. Hicks	760,120	May 17	3080	644	110	728
Vehicle running-gear. Motor-driven	R. D. Scott	759,559	May 10	1961	465	110	468
Vehicle safety horse-release	F. C. Goettfert	763,480	June 28	3710	800	110	2307
Vehicle sand-box	G. M. Porterfield	769,182	Sept. 6	86	21	112	20
Vehicle sand-shield	H. Richardson	761,714	June 7	188	35	110	1480
Vehicle-seat	R. B. Brown	748,695	Jan. 5	275	63	108	61
Vehicle-seat. Auxiliary	P. W. Minor	773,086	Oct. 25	3841	820	112	1849
Vehicle-seat-covers. Lock for motor-	G. W. Kerr	759,181	May 3	1171	238	110	266
Vehicle-seat lazy-back	B. C. Place	749,824	Jan. 19	2562	544	108	607
Vehicle-seat lazy-back attachment	B. C. Place	749,805	Jan. 19	2563	544	108	607
Vehicle-seat shifting-rail fastener	F. H. Delker	776,305	Nov. 29	5372	1181	113	1326
Vehicle-seat-spring	C. L. Thomas	755,813	Mar. 29	5072	1126	109	1173
Vehicle. Self-propelled	J. C. Bérubé	754,635	Mar. 15	2846	621	109	655
Vehicle. Self-propelled	H. Beckwith	772,870	Oct. 11	2139	468	112	1436
Vehicle. Self-propelled	C. B. Mills and A. Williams.	774,771	Nov. 15	2413	519	113	575
Vehicle-shaft	H. H. Uckotter. (Reissue)	12,271	Oct. 4	1146	256	112	1203
Vehicle shaft motion. Device for preventing	W. N. Cleveland	754,642	Mar. 15	2870	627	108	659
Vehicle speed-controller. Motor-	J. L. Fitz Gerald	770,521	Sept. 20	2638	558	112	628
Vehicle speed-indicating attachment	O. F. Hakes	773,565	Nov. 1	65	13	113	19
Vehicle-spring	N. Halverson	759,368	May 10	1627	329	110	388
Vehicle-spring	C. A. Behlen	763,843	June 28	4405	938	110	2455
Vehicle-spring	C. H. Way	768,162	Aug. 23	4155	874	111	2017
Vehicle-spring	N. Halvorsen	776,021	Nov. 29	5050	1065	113	1207
Vehicle-spring and coupling-plate	S. E. Oviatt	770,778	Sept. 27	3121	662	112	754
Vehicle spring-gear	B. F. Taylor	774,405	Nov. 8	1670	358	113	392
Vehicle-spring. Pneumatic	H. F. Teal	770,128	Sept. 13	1863	396	112	487
Vehicle spring-shackle	H. C. Swain	763,136	June 21	2987	645	110	2126
Vehicle spring-wheel	G. C. Ramage and G. Macmillan.	753,432	Mar. 1	404	94	109	88
Vehicle. Steam-propelled.	H. K. Hess.	757,808	Apr. 19	3201	696	109	2061
Vehicle steering apparatus. Motor-	L. R. Rogers	762,197	June 7	1107	237	110	1679
Vehicle steering connection. Motor-	E. L. Russell	753,316	Mar. 1	182	41	109	42
Vehicle steering device. Motor-	F. Porsche and L. Lohner	754,802	Mar. 15	3174	692	109	727
Vehicle steering-gear	F. J. Klingner	772,808	Oct. 18	3208	698	112	1689
Vehicle steering-gear and motor-controlling mechanism. Motor-	C. Schmidt	775,991	Nov. 29	4969	1054	113	1191
Vehicle steering-gear attachment	G. D. Smith	751,876	Feb. 9	2035	460	108	1511
Vehicle steering-gear. Motor-	L. Renault	748,984	Jan. 5	847	181	108	196
Vehicle steering-gear. Motor-	E. Mathieu	769,176	Sept. 6	76	19	112	18
Vehicle steering mechanism	J. Morig	768,500	June 28	3745	808	110	2314
Vehicle steering mechanism. Motor-	V. Marinetto	777,799	Dec. 20	2631	580	113	2034
Vehicle steering mechanism. Motor-	C. H. Veeder	751,572	Feb. 9	1468	333	108	1390
Vehicle steering mechanism. Motor-road-	C. H. Veeder	751,576	Feb. 9	1469	333	108	1390
Vehicle step	C. C. Wright	777,710	Dec. 20	2447	538	113	1995
Vehicle-step attachment	C. E. Riggs	750,893	Feb. 2	216	49	109	1105
Vehicle-step. Folding	J. M. Vaughan	753,394	Mar. 22	2815	48	109	49
Vehicle-stopping device	L. S. Chadwick	753,031	Feb. 16	2947	525	108	1508
Vehicle storm-curtain	B. Viola and J. Erdelyi	776,766	Dec. 6	603	131	113	1559
	J. S. D. S. Martin.	754,980	Mar. 15	3407	745	109	779

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Vehicle storm-shield.	M. R. Hull	756,021	Mar. 29	5490	1211	109	1267
Vehicle storm-shield.	J. J. Russell, Jr.	759,755	May 1	2357	492	110	549
Vehicle storm-shield.	J. J. Russell, Jr.	774,113	Nov. 1	1146	345	113	779
Vehicle swivel-coupling.	J. A. Cornelius	778,277	Oct. 25	4313	312	113	1958
Vehicle testing device. Self-propelled.	A. P. Brush	750,749	Jan. 26	4368	943	108	1017
Vehicle. Tip-cart	C. Pay	766,518	Aug. 2	765	161	111	1208
Vehicle-top.	W. H. Zehner	760,366	May 17	3530	743	110	838
Vehicle-top.	G. B. Cooper	760,962	May 24	4742	1010	110	1108
Vehicle-top awning.	H. D. Pursell	761,321	May 31	5484	1167	110	1286
Vehicle-top members of plastic material or paper. Means for producing	T. W. McFarland	766,462	Aug. 2	633	135	111	1178
Vehicle-top rest.	E. G. Martin and J. S. Miller	777,527	Dec. 13	2073	457	113	1899
Vehicle-top spring-support.	E. G. Martin	761,239	May 31	5317	1129	110	1251
Vehicle-top storm-curtain.	D. C. Lawless	758,185	Apr. 26	3937	854	109	2341
Vehicle-top support.	G. Grogan	754,650	Mar. 15	2884	630	109	662
Vehicle-top support.	B. K. Hendricks	759,104	May 3	1017	207	110	230
Vehicle-top tilting attachment.	D. W. Leonard	765,624	July 19	3428	725	111	779
Vehicle-top valance.	C. S. Applas	750,564	Jan. 26	4002	865	108	934
Vehicle. Traction.	J. S. Walker	762,781	June 14	2313	505	110	1957
Vehicle. Traction.	A. S. Kaplan	775,403	Nov. 22	3767	797	113	909
Vehicle traction attachment.	A. W. Herrick	774,246	Nov. 8	1380	294	113	328
Vehicle-train.	C. Renard	775,705	Nov. 22	4320	359	113	1072
Vehicle turning mechanism.	C. Miller	773,084	Oct. 25	3838	819	113	1849
Vehicle. Two-wheeled.	E. McPhee	760,698	May 24	4212	895	110	995
Vehicle-washer. Overhead.	J. P. Baird	750,932	Feb. 2	284	67	108	1120
Vehicle weight-holder.	J. Ayling	777,174	Dec. 13	1405	310	113	1755
Vehicle-wheel.	C. Andersen and W. C. Wells	748,684	Jan. 5	245	57	108	53
Vehicle-wheel.	F. E. Southard	748,939	Jan. 3	860	185	108	200
Vehicle-wheel.	G. W. Sanford	754,244	Mar. 8	2028	451	109	462
Vehicle-wheel.	P. A. Sanguinetti	754,504	Mar. 15	2608	567	109	606
Vehicle-wheel.	H. S. Hele-Shaw and R. B. Helliwell	755,131	Mar. 22	3765	827	109	875
Vehicle-wheel.	B. B. Weaver	755,421	Mar. 22	4311	954	109	990
Vehicle-wheel.	L. Lange	756,658	Apr. 5	880	192	109	1530
Vehicle-wheel.	J. A. Polk	757,677	Apr. 19	2956	643	109	2006
Vehicle-wheel.	W. E. Mitchell	759,000	May 3	830	160	110	191
Vehicle-wheel.	C. Rondell	759,017	May 3	856	173	110	196
Vehicle-wheel.	W. C. Oswald	759,124	May 3	1060	215	110	241
Vehicle-wheel.	W. D. Williams	759,790	May 10	2437	510	110	567
Vehicle-wheel.	H. Watkins and W. A. Menge	760,285	May 17	3495	716	110	798
Vehicle-wheel.	E. D. Wilderspin	761,804	June 7	390	79	110	1526
Vehicle-wheel.	A. S. F. Robinson	762,196	June 7	1100	235	110	1678
Vehicle-wheel.	J. A. Brennan	763,145	June 21	3035	653	110	2138
Vehicle-wheel.	T. Midgley	764,140	July 5	453	88	111	96
Vehicle-wheel.	A. Prouvost	764,676	July 12	1612	329	111	369
Vehicle-wheel.	A. Turkington	766,297	Aug. 2	322	67	111	1112
Vehicle-wheel.	H. H. Taylor	766,780	Aug. 2	1329	280	111	1337
Vehicle-wheel.	C. N. Beal	766,926	Aug. 9	1659	348	111	1430
Vehicle-wheel.	S. F. Swanson	767,254	Aug. 9	2291	480	111	1567
Vehicle-wheel.	A. J. Carley	767,542	Aug. 16	2867	598	111	1713
Vehicle-wheel.	R. J. Cudmore	768,169	Aug. 23	4167	876	111	2020
Vehicle-wheel.	W. C. Potts	771,175	Sept. 27	3927	828	112	931
Vehicle-wheel.	W. Morek	772,573	Oct. 18	2757	607	112	1593
Vehicle-wheel.	T. A. Edison	772,648	Oct. 18	2887	635	112	1620
Vehicle-wheel.	H. Gastal	772,930	Oct. 25	3460	730	112	1763
Vehicle-wheel.	H. W. Adams, Jr.	773,771	Nov. 1	447	99	113	105
Vehicle-wheel.	H. W. Adams, Jr.	774,411	Nov. 8	1680	360	113	394
Vehicle-wheel.	A. Boguslavsky	774,735	Nov. 15	2938	506	113	556
Vehicle-wheel.	E. G. O'Brien	774,891	Nov. 15	2659	571	113	628
Vehicle-wheel.	R. and J. H. Lancaster	775,009	Nov. 15	2894	618	113	684
Vehicle-wheel.	W. B. Keighley	775,753	Nov. 22	455	109	113	1069
Vehicle-wheel.	J. Lefler	775,831	Nov. 22	4652	985	113	1100
Vehicle-wheel.	W. L. Ring and P. L. Cooper	776,350	Nov. 29	5967	1200	113	1348
Vehicle-wheel.	M. B. Lloyd	776,463	Nov. 29	5884	1243	113	1398
Vehicle-wheel.	S. F. Swanson	777,966	Dec. 20	3995	656	113	2106
Vehicle-wheel and axle.	M. Conard	778,084	Dec. 20	3229	708	113	2153
Vehicle-wheel. Compound.	F. W. Oliver	774,415	Nov. 8	1685	361	113	395
Vehicle-wheel. Cycle or other.	J. W. Walstrom	771,171	Sept. 27	3919	827	112	930
Vehicle-wheel. Metallic.	T. Midgley	772,573	Oct. 18	2757	607	112	1593
Vehicle-wheel. Metallic.	T. Midgley	772,648	Oct. 18	2887	635	112	1620
Vehicle-wheel. Pneumatic-cushioned.	D. F. Minahan, Jr.	760,136	May 17	3117	653	110	736
Vehicle-wheel. Runner attachment.	G. F. Meyer	767,907	Aug. 16	3549	751	111	1862
Vehicle-wrench.	C. H. Markille	752,910	Feb. 23	4043	905	108	1991
Vehicles. Brake-leather holder for road.	J. J. Russell	769,830	Sept. 13	1345	287	112	323
Vehicles. Circuit-controller for electrically-propelled.	B. Aikman	771,523	Oct. 4	600	134	112	1086
Vehicles. Compressed-air supply for electric.	R. L. Owen and R. O. Le Baron	769,565	Sept. 6	829	177	112	187
Vehicles, &c. Controlling device for motor.	C. W. Russell	773,812	Nov. 1	521	114	113	121
Vehicles. Differential gear for power-driven.	R. D. Scott	759,757	May 10	2363	493	110	551
Vehicles. Driving mechanism for self-propelled.	E. Thomson and H. Lemp	768,636	Aug. 30	5141	1080	111	2255
Vehicles, &c. Elevated platform or support for motor.	W. C. Owen	777,219	Dec. 13	1488	329	113	1772
Vehicles. Fitting for preventing side slip in motor.	W. Rourke	764,960	July 12	2179	451	111	494
Vehicles or other apparatus. Safety device for.	G. H. Fraser	772,654	Oct. 18	2896	657	112	1622

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Vehicles. Plow for electrically-propelled.....	R. C. Parsons, R. Belfield, and W. Chapman.	776,682	Dec. 6	431	96	113	1523
Vehicles. Power installation for self-propelled.....	W. O. and J. D. Worth.....	757,380	Apr. 12	2938	510	109	1855
Vehicles. Safety device for electrically-propelled.....	J. H. Spencer.....	767,316	Aug. 9	2998	301	111	1590
Vehicles. Speed control of electrically-propelled.....	J. S. Raworth.....	774,494	Nov. 8	1836	399	113	426
Vehicles. Transmission-gear for power-driven.....	R. D. Scott.....	752,001	Feb. 9	2902	514	108	1569
Vehicles. Transmission-gearing for motor.....	C. Schmidt.....	769,840	Sept. 13	1351	515	112	324
Veltings or other tuelles. Machine for sizing and finishing.....	L. D. Morand.....	776,532	Dec. 6	131	30, 31	113	1454
Velocipede. Railway.....	C. H. Pierce.....	753,106	Feb. 23	4441	988	108	2081
Velocipedes or road motor-vehicles. Variable gear- ing for.....	J. Archer.....	753,785	Mar. 1	1104	250	109	239
Velocipedes, &c. Spring-support for.....	A. Beulin.....	764,415	July 5	1035	211	111	230
Velocity-meter.....	G. Dettmar.....	753,243	Mar. 1	52	13, 14	109	14
Velvet, silk, laces, &c. Apparatus for steaming.....	J. A. Miller.....	762,333	June 14	1395	302	110	1762
Vending and delivery machine.....	A. C. Estberg.....	759,977	May 17	2804	387	110	666
Vending apparatus.....	C. A. Dawes.....	749,535	Jan. 12	2033	422	108	476
Vending apparatus.....	R. E. Payne.....	757,956	Apr. 19	3473	732	109	2121
Vending apparatus.....	D. K. Jackman.....	764,360	July 5	916	187	111	202
Vending apparatus.....	O. Jaeger.....	766,445	Aug. 2	595	136	111	1170
Vending apparatus.....	J. C. Copeland.....	777,603	Dec. 13	2250	494	113	1937
Vending apparatus.....	G. C. Elliott.....	778,479	Dec. 27	4017	874	113	2341
Vending apparatus.....	G. C. Elliott.....	778,480	Dec. 27	4018	874	113	2341
Vending apparatus. Automatic.....	R. E. Payne.....	759,743	May 10	2323	110	110	344
Vending apparatus. Coin-controlled.....	A. Rydquist.....	751,812	Feb. 9	1914	434	108	1484
Vending apparatus. Coin-controlled liquid.....	M. A. van der Wielen.....	763,645	June 28	4004	873	110	2369
Vending apparatus. Perfume.....	L. L. Martin.....	778,257	Dec. 27	3554	874	113	2243
Vending-machine.....	E. S. Scheble.....	748,795	Jan. 5	448	100	108	101
Vending-machine.....	W. S. Conner.....	749,260	Jan. 12	1446	309	108	350
Vending-machine.....	H. V. Hoag, Jr.....	749,485	Jan. 12	1941	403	108	455
Vending-machine.....	J. J. Sleeper.....	750,315	Jan. 26	3529	763	108	836
Vending-machine.....	C. V. Wertz.....	750,741	Jan. 26	4353	940	108	1013
Vending-machine.....	W. Forsythe.....	751,276	Feb. 2	942	214	108	1257
Vending-machine.....	C. H. Balsley.....	751,774	Feb. 9	1832	417	108	1464
Vending-machine.....	J. P. Beardslee.....	752,322	Feb. 16	2901	647	108	1723
Vending-machine.....	Y. Q. Caldwell and L. M. Martin.....	753,824	Mar. 1	1221	274	109	261
Vending-machine.....	G. W. Gates.....	755,648	Mar. 29	4736	1033	109	1097
Vending-machine.....	R. Britton.....	756,154	Mar. 29	5717	252	109	1316
Vending-machine.....	J. G. Hendrickson.....	756,788	Apr. 5	1143	253	109	1588
Vending-machine.....	C. H. Eggleston, C. F. Hardy, and V. Lepper.....	756,947	Apr. 12	1459	323	109	1669
Vending-machine.....	D. O. Coleman and A. Shepard.....	757,993	Apr. 19	3549	768	109	2139
Vending-machine.....	F. G. Hartell.....	758,007	Apr. 19	3580	775	109	2144
Vending-machine.....	T. M. Day.....	758,301	Apr. 26	4189	902	109	2297
Vending-machine.....	G. D. Stroop.....	758,872	May 3	592	116	110	142
Vending-machine.....	J. B. Hurd.....	761,075	May 31	4996	1060	110	1182
Vending-machine.....	F. J. Beier.....	761,351	May 31	5534	1179	110	1297
Vending-machine.....	G. G. Sullivan.....	762,602	June 14	1941	419	110	1878
Vending-machine.....	W. S. Filley.....	762,895	June 21	2553	555	110	2031
Vending-machine.....	G. F. Hochriem.....	763,286	June 21	3294	712	110	2194
Vending-machine.....	F. Lynes.....	763,413	June 28	3600	775	110	2282
Vending-machine.....	G. B. Baker and F. L. Mercer.....	763,456	June 28	3673	791	110	2300
Vending-machine.....	F. J. Rowse.....	764,011	July 5	186	33	111	45
Vending-machine.....	J. B. Pfeifer.....	764,073	July 5	323	63	111	71
Vending-machine.....	H. S. Baughman.....	764,548	July 12	1338	271	111	310
Vending-machine.....	W. H. Pumpfrey.....	766,728	Aug. 2	1210	272	111	1310
Vending-machine.....	J. Jonson.....	767,061	Aug. 9	1909	401	111	1486
Vending-machine.....	J. M. Greul.....	767,142	Aug. 9	2083	433	111	1522
Vending-machine.....	M. C. Mitchell.....	767,306	Aug. 9	2380	497	111	1586
Vending-machine.....	R. Ziebell.....	767,674	Aug. 16	3111	650	111	1766
Vending-machine.....	W. Diebel.....	768,271	Aug. 23	4363	918	111	2062
Vending-machine.....	C. A. Gunder.....	770,719	Sept. 20	3009	639	112	711
Vending-machine.....	W. L. Holloway.....	771,910	Oct. 11	1382	314	112	1267
Vending-machine.....	C. A. Disbrow.....	772,226	Oct. 11	2041	448	112	1412
Vending-machine.....	R. E. Reardon.....	772,533	Oct. 18	2672	587	112	1573
Vending-machine.....	H. H. Pulver.....	772,960	Oct. 25	3517	733	112	1776
Vending-machine.....	F. Lynes.....	773,403	Oct. 25	4577	967	112	2015
Vending-machine.....	M. Sleaf.....	773,815	Nov. 1	527	115	113	122

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Vending-machine	W. Diebel	774,235	Nov. 8	1359	290	113	323
Vending-machine	O. M. Southwick	775,256	Nov. 15	3450	728	113	819
Vending-machine	F. F. Davidson and C. P. Strite	777,404	Dec. 13	1841	407	113	1850
Vending-machine	J. Heberling	777,414	Dec. 13	1860	411	113	1854
Vending-machine. Automatic	R. Schlemm	758,110	Apr. 26	3797	824	109	2209
Vending-machine. Automatic	F. Janata	764,892	July 12	2036	421	111	462
Vending-machine. Automatic	C. A. Wagner	768,412	Aug. 23	4663	423	111	2137
Vending-machine. Automatic	J. C. Dougherty and J. W. Dawson	769,083	Aug. 30	6008	1259	111	2449
Vending-machine. Automatic	W. R. Thompson	777,156	Dec. 13	1374	308	113	1747
Vending-machine. Cigar-	W. Horcheler and C. V. Case	773,288	Oct. 25	4341	917	112	1964
Vending-machine. Cigar-	T. Erickson and J. J. Fagan	758,588	Apr. 26	4742	1022	109	2419
Vending-machine. Cigar-	M. E. Patton	771,265	Oct. 4	90	120	112	941
Vending-machine. Coin-actuating	C. A. Smiley	754,616	Mar. 5	2810	613	109	647
Vending-machine. Coin-controlled	M. J. Nash and J. T. Waniger	753,580	Feb. 16	3382	755	108	1828
Vending-machine. Coin-controlled	F. E. Levanseler	757,321	Apr. 12	2222	485	109	1833
Vending-machine. Coin-controlled	M. Hofheimer	758,180	Apr. 26	3929	553	109	2239
Vending-machine. Coin-controlled	O. Kreter	758,539	Apr. 26	4651	101	109	2399
Vending-machine. Coin-controlled	W. T. Drew	758,587	Apr. 26	4739	1023	109	2419
Vending-machine. Coin-controlled	E. S. Bryant	759,236	May 10	1355	270	110	329
Vending-machine. Coin-controlled	C. W. Miles	759,453	May 10	1753	361	110	423
Vending-machine. Coin-controlled	G. W. MacKenzie	759,535	May 10	1843	365	110	459
Vending-machine. Coin-controlled	S. L. Long	761,002	May 24	4810	1023	110	1123
Vending-machine. Coin-controlled	W. H. Garland and J. P. Lombard	762,044	June 7	839	170	110	1617
Vending-machine. Coin-controlled	A. H. McMillan	764,818	July 12	1897	389	111	431
Vending-machine. Coin-controlled	W. B. Bartram	765,649	July 19	3492	737	111	790
Vending-machine. Coin-controlled	G. W. MacKenzie	766,716	Aug. 2	1181	243	111	1305
Vending-machine. Coin-controlled	T. R. Priebe	767,121	Aug. 9	2036	423	111	1512
Vending-machine. Coin-controlled	A. Q. Allis	768,258	Aug. 23	4341	913	111	2058
Vending-machine. Coin-controlled	J. Anderson	778,819	Dec. 27	4649	1016	113	2482
Vending-machine coin-controlled mechanism. Cigar-	C. M. Dodson	758,204	Apr. 26	3972	861	109	2248
Vending-machine. Coin-controlled perfume-	A. J. Richie and A. W. Jamison	748,652	Jan. 5	194	46	108	43
Vending-machine coin mechanism	F. J. Rowse	764,679	July 12	1615	330	111	370
Vending-machine. Coin-operated	L. B. Brown	767,194	Aug. 9	2064	429	111	1519
Vending-machine. Coin-operated	J. A. Rule	770,928	Sept. 27	3434	724	112	823
Vending-machine. Coin-operated	C. Bigelow	771,294	Oct. 4	144	32	112	992
Vending-machine. Coin-operated	C. T. Frantz	773,726	Nov. 1	369	82	113	87
Vending-machine. Coin-operated	A. B. Davis	776,893	Dec. 6	870	186	113	1616
Vending-machine. Coin-operated liquid.	J. P. Muth	762,429	June 14	1583	346	110	1802
Vending-machine coin-operated mechanism	J. Jonson	762,900	June 21	2681	561	110	2037
Vending-machine coin-selective and coin-actuated mechanism.	C. H. Joy and C. T. Frantz	767,345	Aug. 9	2449	514	111	1601
Vending-machine discriminator	J. J. Green	759,268	May 10	1418	283	110	344
Vending-machine ejector	E. E. Packard	776,988	Aug. 9	1733	364	111	1447
Vending-machine. Paper	I. A. Greenwood	766,441	Aug. 2	588	125	111	1169
Vending-machine. Stamp	J. C. Copeland	771,767	Oct. 4	1071	240	112	1188
Vending-machines. Fraud preventive for coin-controlled	M. Hofheimer	772,512	Oct. 18	2640	580	112	1567
Veneer-cutting machine	J. Wolfinger	767,466	Aug. 16	2639	567	111	1674
Veneer-cutting machine	C. B. Allen	769,041	Aug. 30	5965	1249	111	2440
Veneer-drier	A. S. Nichols	750,038	Jan. 19	3051	654	108	712
Veneer-drier	A. S. Nichols	767,654	Aug. 16	3076	643	111	1759
Veneer-sawing machinery	A. B. Calkins	767,385	Aug. 16	2531	632	111	1636
Veneer trunks or other hollow packages. Press for wood.	H. Romünder	770,114	Sept. 13	1837	389	112	431
Ventilating apparatus.	W. C. Whetstone	770,947	Sept. 27	3470	733	112	833
Ventilating apparatus. Body	C. A. Wellman	755,003	Nov. 29	5016	1038	113	1199
Ventilating device	C. J. Harrington	755,485	Mar. 22	4420	980	109	1012
Ventilating device	S. E. Chapman and E. A. Osborn	760,182	May 17	3212	674	110	757
Ventilating device	C. H. Porter	778,204	Dec. 20	3444	757	113	2199
Ventilating, heating, and cooling apparatus	C. H. Porter	761,581	May 31	5944	1275	110	1391
Ventilating system	W. S. Rogers	761,405	May 31	5642	1201	110	1323
Ventilator	C. H. Caspar	776,838	Dec. 6	862	184	113	1616
See Boat-ventilator.	Hothouse-ventilator.						
Boot or shoe ventilator.	Manhole-ventilator.						
Car-ventilator.	Mine-ventilator.						
Current-ventilator.	Stovepipe-ventilator.						
Flue-ventilator.	Water-closet ventilator.						
Heater-ventilator.	Window-ventilator.						
Ventilator	F. J. Prochaska	754,805	Mar. 15	3181	693	109	729
Ventilator	F. G. Yawman	755,095	Mar. 22	3708	814	109	863
Ventilator	W. P. Cosper	755,565	Mar. 22	4558	1014	109	1043
Ventilator	R. S. West	755,973	Mar. 29	5396	1192	109	1248
Ventilator	L. M. Wood	756,702	Apr. 5	1065	241	109	1574
Ventilator	S. H. Jacobson	757,465	Apr. 19	2511	551	109	1907
Ventilator	C. A. Withers	757,534	Apr. 19	2633	582	109	1938
Ventilator	C. P. Tanner	758,720	May 3	274	55	110	70
Ventilator	F. H. Hitchcock	759,888	May 17	2626	550	110	624
Ventilator	F. M. Thompson	759,940	May 17	2719	571	110	645
Ventilator	S. H. Jacobson	761,280	June 7	115	30	110	1464
Ventilator	J. C. Hervis	763,977	July 5	99	16	111	30
Ventilator	F. J. Prochaska	766,063	July 26	4317	924	111	978

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & C.	Vol.	Page.
Ventilator	C. A. Withers	771,449	Oct. 4	455	103	112	1055
Ventilator	P. C. Ulmen	773,440	Oct. 25	4660	983	112	2032
Ventilator	W. Edwards	774,053	Nov. 1	1036	232	113	234
Ventilator	D. Robinson	774,277	Nov. 8	1436	307	113	340
Ventilator	M. L. Budd	776,642	Dec. 6	947	75	113	1505
Vermi-trap	G. Andrus	775,292	Nov. 22	3356	145	113	855
Vertebral stretcher	S. M. Langworthy	776,335	Nov. 29	5629	1193	113	1337
Vertical boiler	G. F. Spencer	748,806	Jan. 5	471	106	108	106
Vertical tubular boiler	W. Norris	767,655	Aug. 16	3077	643	111	1759
Vessel	A. Neilson	772,171	Oct. 11	1935	428	112	1387
Vessel-closure	F. C. B. Page	751,335	Feb. 2	1046	257	108	1380
Vessel-closure	F. C. B. Page	751,404	Feb. 2	1159	264	108	1304
Vessel-closure	C. H. J. Dilg	766,604	Aug. 2	954	200	111	1254
Vessel. Containing and dispensing	L. Blatz and W. L. Fales.	770,215	Sept. 13	2031	428	112	473
Vessel-fin. Adjustable	H. J. Noll	767,827	Aug. 16	3406	718	111	1830
Vessel-handle	T. W. Forster	758,590	Apr. 26	4752	1023	109	2422
Vessel-handle	E. E. Crawford	766,671	Aug. 2	1101	228	111	1286
Vessel-hull	H. N. Whittelsey	770,838	Sept. 27	3266	688	112	786
Vessel loading or unloading means.	H. M. Harding	749,860	Jan. 19	2661	568	108	629
Vessel. Metallic.	C. L. Coffin	774,041	Nov. 1	1013	216	113	229
Vessel mooring and warping device.	J. Kidd	748,618	Jan. 5	113	29	108	26
Vessel. Navigable	C. A. Manker	759,536	May 10	1941	397	110	460
Vessel or can. Hermetically-sealed multiple-compartment	G. H. Stewart	777,815	Dec. 20	2671	587	113	2042
Vessel retarding and steering means.	A. Zerbe	757,385	Apr. 12	2346	511	109	1857
Vessel rig. Sailing.	B. W. Collins	758,171	Apr. 26	3905	848	109	2234
Vessel-safeguarding device	F. Schmitt	766,532	Aug. 2	798	168	111	1216
Vessel safety-keel	F. O. Stromborg	768,085	Aug. 23	3996	840	111	1983
Vessel. Sectional molded	W. B. Feun	755,223	Mar. 22	3935	871	109	909
Vessel-sheathing	R. D. Upham	749,909	Jan. 19	2753	590	108	650
Vessel side light	J. J. Currier	752,959	Feb. 23	4176	930	108	2021
Vessel sighting or observing tube	S. Lake	754,464	Mar. 15	2317	549	109	584
Vessel sighting-tube	S. Lake	759,622	May 10	2111	433	110	495
Vessel. Submarine	W. Huguet, L. Minart, and F. Minron.	773,146	Oct. 25	4069	855	112	1898
Vessel. Submarine salvage.	J. M. Raoul	767,835	Aug. 16	3418	721	111	1833
Vessel-top	P. Lindner	763,618	June 28	3948	859	110	2357
Vessel with charging or discharging means. Rotary	A. Wülsch	750,330	Jan. 26	3557	770	108	843
Vessel. Working	S. Lake	760,457	May 24	3718	788	110	887
Vessels. Adjustable level and slanting supporting-base for	L. B. Sherwood	758,866	May 3	583	115	110	140
Vessels. Apparatus for discharging loose cargo from	H. Shoosmith	755,064	Mar. 22	3659	803	109	852
Vessels. Apparatus for raising sunken.	D. C. Groves and A. R. Stanton.	760,535	May 24	3870	821	110	923
Vessels. Apparatus for raising sunken.	M. Lacey	775,370	Nov. 22	3701	786	113	802
Vessels. Apparatus for scraping ore from wings of	M. Andrews	757,858	Apr. 19	3293	713	109	2079
Vessels. Constructing containing	E. J. Winslow	772,117	Oct. 11	1820	403	112	1364
Vessels. Device for discharging barges, lighters, or other cargo	R. and J. Morley	774,331	Nov. 8	1541	331	113	364
Vessels in lock-chambers. Apparatus for raising or sinking	F. Pokorny	755,536	Mar. 22	4509	1003	109	1031
Vessels. Means for determining the nautical bearing of navigable	H. W. Ladd	749,694	Jan. 12	2324	490	108	539
Vessels. Self-grip and draw-off attachment for	L. E. Saunders	757,641	Apr. 19	2882	628	109	1901
Vessels. Sound-indicator for	J. Schlessler	772,676	Oct. 18	2945	646	112	1632
Vessels to moorings. Means for securing	A. J. Maclean	768,765	Aug. 30	5398	1137	111	2313
Vessels with coal, &c. Apparatus for loading	C. Brown	775,164	Nov. 15	3216	687	113	757
Vest	J. Engel	770,715	Sept. 20	3003	638	112	709
Vest and drawers holder	A. Lustig	756,666	Apr. 5	906	198	109	1537
Vestibule-diaphragms. Means for attaching	H. H. Schroyer	768,775	Aug. 30	5413	1140	111	2316
Veterinary speculum	W. D. Robinson	773,226	Oct. 25	4219	892	112	1938
Veterinary-surgeon's float	R. J. Fleming	769,340	Sept. 6	402	93	112	57
Veterinary-surgeon's forceps	J. F. Hemphill	763,396	June 23	3550	764	110	2272
Veterinary tooth file	C. J. Kille	771,311	Oct. 4	175	39	112	998
Vibratile apparatus	L. Snyder	773,234	Oct. 25	4231	896	112	1940
Vibrating screen	W. J. Bell	754,839	Mar. 15	3260	708	109	746
Vibrator	B. L. W. and E. L. Hanfeld	769,798	Sept. 13	1248	295	112	290
Vibrator	C. F. Splittorf	772,436	Oct. 18	2484	544	112	1534
Vibrator. Bed	A. A. Wallman and A. B. Saliger	761,862	June 7	504	101	110	1552
Vibrator. Electric	W. MacMillan	755,577	Mar. 22	4580	1019	109	1048
Vibrator instrument	C. Owens	772,252	Oct. 11	2109	461	112	1429
Vibrator. Pneumatic	H. Tonjes	760,088	May 17	3012	693	110	713
Vibratory drier	M. E. Cooley	750,262	Oct. 11	2047	450	112	1413
Vibratory treatment. Implement for mechanical	F. B. Turck	750,735	Jan. 26	3433	937	108	1010
View outfit.	R. R. Whiting	765,219	July 19	2647	551	111	610
Vignetter	J. H. Smith	774,457	Nov. 8	1759	380	113	410
Vine-cutter	S. V. Jeffords	763,763	June 28	4238	924	110	2421
Vine-cutter	F. M. Ewell	772,228	Oct. 11	2047	450	112	1413
Vinegar-making apparatus	M. Kuer	777,905	Dec. 20	2577	634	113	2053
Violin	B. Batram	759,850	May 17	2562	535	110	610
Violin	J. A. Heckenbach	761,480	May 31	5765	1230	110	1351
Violin	J. D. Loppentien	766,049	July 26	4232	920	111	974
Violin attachment	S. E. Carlswold	759,879	May 17	2611	546	110	621
Violin-bow	A. W. Carlson	764,558	July 12	1358	276	111	314
Violin bow-guide	H. S. Strauss and E. S. Schwerdtle.	766,549	Aug. 2	826	174	111	1222
Violin-bow resin-distributor.	J. W. Zimmerman	751,590	Feb. 9	1509	343	108	1399

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Violin chin and shoulder rest combined.....	F. W. Becker.....	775,792	Nov. 22	4573	969	113	1083
Violin chin-rest.....	F. W. Becker.....	775,465	Nov. 22	3908	825	113	940
Violin-tuning device.....	W. Hutchins.....	762,728	June 12	2826	479	110	1934
Violin wrist-brace.....	J. W. Smith.....	776,434	Nov. 29	5828	1233	113	1385
Violins, &c. Detachable shoulder-rest for.....	J. H. White.....	755,977	Mar. 29	5402	1193	109	1248
Viscose. Purifying.....	C. F. Cross.....	763,266	June 21	3265		110	2189
Viscose-treating apparatus.....	L. Naudin.....	773,412	Oct. 25	4600	972	112	2019
Viscous substances. Machine for working.....	J. H. Volkmann.....	777,163	Dec. 13	1386	306	113	1750
Vise.....	E. Shupe.....	749,233	Jan. 12	1396	299	108	340
Vise.....	H. E. Reed.....	752,260	Feb. 16	2778	616	108	1696
Vise.....	H. S. Hanstine.....	757,918	Apr. 19	3408	738	109	2105
Vise.....	W. T. Holland.....	759,107	May 3	1300	299	110	234
Vise.....	A. R. Reid.....	760,411	May 24	3632	794	110	865
Vise.....	C. C. Longard.....	762,070	June 7	883	182	110	1628
Vise, &c.....	F. E. Walden.....	763,236	June 21	3194	689	110	2174
Vise.....	C. H. Ritts.....	771,097	Sept. 27	3768	794	112	897
Vise.....	H. R. Myers.....	772,528	Oct. 18	2604	585	112	1572
Vise.....	E. Clark.....	774,563	Nov. 8	1970	428	113	455
Vise.....	R. G. Fleischmann.....	774,574	Nov. 8	1992	433	113	459
Vise.....	C. A. Edlund.....	776,126	Nov. 29	5244	1107	113	1250
Vise.....	J. Dodge.....	777,611	Dec. 13	2266	498	113	1940
Vise.....	O. Lindberg.....	777,907	Dec. 20	2881	634	113	2063
Vise. Adjustable bench.....	P. Broadbooks.....	763,087	June 21	2920	699	110	2112
Vise. Anvil foot.....	E. M. Cornell.....	775,239	Nov. 15	3420	722	113	812
Vise. Bench.....	J. Degelleke.....	758,960	May 3	757	151	110	175
Vise. Bench.....	M. G. Lewis.....	768,810	Aug. 30	5480	1153	111	2330
Vise. Floor.....	J. M. Butcher.....	763,941	June 28	4591	1003	110	2494
Vise-jaw liner.....	J. A. Hermann.....	758,836	May 3	513	104	110	123
Vise-mount.....	E. E. Rensberg.....	758,779	May 3	938	80	110	97
Vise. Pipe.....	G. W. Bufford and G. F. Hickman.....	769,814	Sept. 13	1294	275	112	312
Vise. Pipe.....	E. Henderer.....	771,147	Sept. 27	3872	817	112	920
Vise. Saw.....	M. Laursen.....	757,320	Apr. 12	3521	485	109	1832
Vision. Instrument for detecting and correcting defective.....	F. M. Bishop.....	763,248	June 21	3230	696	110	2181
Vitascope.....	T. Armat.....	764,788	July 12	1826	374	111	416
Vitreous articles. Apparatus for use in uniting.....	R. M. F. Cazin.....	770,221	Sept. 13	2040	430	112	475
Vitreous ware. Decorating.....	R. K. Duncan.....	772,876	Oct. 18	3835		112	1718
Voice-pipe mouthpiece.....	T. W. Battin.....	753,113	Feb. 23	4455	990	108	2084
Voltage. Regulating.....	M. Leblanc.....	773,508	Oct. 25	4815	1014	112	2066
Voltage-regulating apparatus.....	M. Leblanc.....	773,998	Oct. 25	4564	964	112	2013
Voltmeter-switch. Multiple-pole.....	C. C. Badeau.....	762,675	June 14	2088	453	110	1911
Vote-counting machine.....	J. McTammany.....	749,446	Jan. 12	1855	385	108	496
Votes. Apparatus for detecting fraudulent or improper.....	J. McTammany.....	761,781	June 7	335	67, 68	110	1514
Voting-machine.....	S. Loe.....	750,987	Feb. 2	381	91, 92	108	1142
Voting-machine.....	P. Yoe.....	752,276	Feb. 16	2809	622	108	1703
Voting-machine.....	F. X. St. Louis and A. M. Jackson.....	752,307	Feb. 16	2867	638	108	1715
Voting-machine.....	A. F. Bardwell.....	755,836	Mar. 29	5120	1134	109	1185
Voting-machine.....	A. Sjoberg.....	758,708	May 3	206	42	110	49
Voting-machine.....	N. Smith.....	763,436	June 28	3640	784	110	2292
Voting-machine.....	N. B. Ross.....	770,318	Sept. 20	2264	474	112	547
Voting-machine.....	W. Glenn.....	772,142	Oct. 11	1868	415	112	1375
Voting-machine.....	W. Langrill.....	772,721	Oct. 18	3043	667	112	1653
Voting-machine.....	J. B. Mahana.....	775,112	Nov. 15	3100	658	113	732
Voting-machine.....	C. De Croes.....	776,729	Dec. 6	523	114	113	1542
Voting-machine.....	E. F. Chapman.....	777,077	Dec. 13	1235	271	113	1718
Voting-machine.....	B. T. Seelye.....	777,755	Dec. 20	2825	558	113	2013
Voting-machine.....	C. Christensen.....	778,111	Dec. 20	3272	719	113	2163
Voting-machine air-check.....	B. T. Seelye.....	777,150	Dec. 13	1362	801	113	1745
Voting-machine independent voting apparatus.....	C. De Croes.....	777,007	Dec. 6	1068	287	113	1668
Voting-machine interlock.....	C. Christensen.....	761,858	May 31	5550	1184	110	1894
Voting-machine interlocking device.....	A. J. Gillespie.....	773,140	Oct. 25	4026	853	113	1305
Voting-machine key.....	T. Cory.....	760,056	May 17	2954	616	110	700
Voting-machine recording apparatus.....	C. De Croes.....	776,730	Dec. 6	536	117	113	1545
Voting-table and ballot-box.....	L. W. Sprague.....	753,526	Mar. 1	592	134	109	129
Vulcanizer.....	J. F. Funck.....	751,493	Feb. 9	1307	299	108	1355
Vulcanizer.....	H. W. Truitt.....	756,913	Apr. 12	1395	310	109	1657
Vulcanizer.....	J. K. Williams.....	776,979	Dec. 6	1094	222	113	1656
Vulcanizer attachment.....	A. J. White.....	776,819	Dec. 6	710	157	113	1583
Vulcanizer-door-locking device.....	E. C. Shaw.....	758,862	May 3	557	113	110	132

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g	Vol.	Page.
Vulcanizers, &c. Controlling device for.....	C. E. Orndorf.....	752,703	Feb. 23	3646	812 813	108	1903
Vulcanizing-press. Compound hydraulic.....	E. C. Shaw.....	758,868	May 3	560	113	110	133
Vulcanizing-press. Horizontal.....	E. C. Shaw.....	759,196	May 3	1204	245	110	273
Vulcanizing-press. Vertical.....	E. C. Shaw.....	759,195	May 3	1300	244	110	271
Wad for multimissile charges.....	C. La Dow.....	776,921	Dec. 6	915	377	113	1628
Wad sorter and assembler.....	B. S. Stevens.....	749,459	Jan. 12	1832	391	108	442
Wad-testing device.....	W. L. Morris.....	762,548	June 14	1854	397 398	110	1860
Wad to effect and control spreading of multimissile charges.....	C. La Dow.....	777,031	Dec. 6	1146	249	113	1682
Wafer and preparing same. Adhesive.....	A. P. Anderson.....	769,290	Sept. 6	310	71	112	66
Wafers, &c., with paste, &c. Machine for spreading.....	G. S. Baker.....	776,485	Dec. 6	8	2, 3, 4	113	1425
Wagon.....	F. Emberger.....	760,975	May 24	4767	1014	110	1114
Wagon.....	S. L. Mitchell.....	768,141	Aug. 23	4118	866	111	2009
Wagon.....	S. L. Mitchell.....	774,263	Nov. 8	1410	301	113	335
Wagon and operating-table. Combined hospital- wagon-bed.....	P. K. Bechtel.....	770,152	Sept. 13	1905	406	112	446
Wagon-bed.....	N. H. Larry.....	772,732	Oct. 18	3045	667	112	1654
Wagon-bed.....	M. Roeh.....	777,223	Dec. 13	1494	330	113	1773
Wagon-body.....	J. E. Bilby and E. R. Keffer.....	751,045	Feb. 2	482	313	108	1164
Wagon-body.....	B. F. Froeland.....	759,364	May 10	1619	327	110	386
Wagon-body.....	S. I. Thomas.....	764,782	July 12	1811	371	111	413
Wagon-body.....	J. S. Stone.....	773,239	Oct. 25	4243	897	112	1943
Wagon-body bracket.....	P. V. Becker.....	758,611	May 3	6	1, 2	110	5
Wagon-body clamp.....	E. H. Dewes.....	761,456	May 31	5727	1221	110	1343
Wagon-body. Folding.....	F. B. McMurray.....	753,292	Mar. 1	141	33	109	34
Wagon-body lifter.....	N. Blumhoefer.....	761,815	June 7	413	84	110	1531
Wagon-bolster.....	J. W. Patterson.....	755,532	Mar. 22	4497	1000	109	1029
Wagon-box.....	D. Clark.....	757,023	Apr. 12	1622	353	109	1703
Wagon-box.....	C. H. Van Deusen.....	760,499	May 24	3802	805	110	907
Wagon-box.....	W. S. Lanpher.....	765,085	July 12	2407	501	111	538
Wagon-box. Convertible.....	S. C. Paulson.....	764,672	July 12	1606	327 328	111	368
Wagon-box fastener.....	W. H. Dulaney.....	753,378	Mar. 1	290	96	109	66
Wagon-brake.....	H. H. Piper.....	753,732	Mar. 1	921	225	109	214
Wagon-brake.....	H. H. Piper.....	753,733	Mar. 1	992	225	109	214
Wagon-brake.....	B. B. Barnett.....	757,083	Apr. 12	1730	376	109	1726
Wagon-brake.....	N. Pfeffer.....	757,959	Apr. 19	3480	754	109	2122
Wagon-brake.....	V. Fingoust.....	758,308	Apr. 26	4206	904	109	2300
Wagon-brake.....	O. W. and A. L. Warner.....	759,945	May 17	2727	573	110	647
Wagon-brake.....	T. A. Strode.....	761,261	May 31	5363	1138	110	1260
Wagon-brake.....	J. J. Schofield.....	765,860	July 26	3936	840	111	896
Wagon-brake.....	W. K. Melton.....	770,978	Sept. 27	3528	743	112	846
Wagon-brake.....	C. C. Ostrum.....	774,364	Nov. 8	1596	442	113	376
Wagon-brake.....	W. Koerper.....	777,904	Dec. 20	2875	633	113	2082
Wagon. Coal.....	A. C. Pannepacker.....	753,806	Mar. 1	1172	263 264	109	252
Wagon. Coaster.....	F. V. Evanson.....	751,785	Feb. 9	1832	422	108	1469
Wagon-coupling.....	C. E. Keene.....	762,480	June 14	1704	366	110	1827
Wagon-drag.....	J. Graber and G. P. Kahler.....	776,510	Dec. 6	69	17	113	1440
Wagon draw-hook and draw-bar.....	P. D. Doyle.....	769,793	Sept. 13	1240	267	112	298
Wagon. Dump.....	H. A. Moyer.....	764,238	Mar. 8	1999	444	109	456
Wagon. Dump.....	H. C. Tripp.....	756,912	Apr. 12	1393	309	109	1655
Wagon. Dump.....	H. C. Tripp.....	764,319	July 5	821	168	111	182
Wagon. Dump.....	H. C. Tripp.....	766,123	July 26	4442	952	111	1006
Wagon. Dump.....	T. Faulder.....	769,944	Sept. 13	1541	328	112	364
Wagon. Dump.....	H. A. Moyer.....	770,089	Sept. 13	1788	378	112	421
Wagon. Dump.....	J. D. Olcott.....	772,049	Oct. 11	1651	375	112	1334
Wagon. Dump.....	T. R. McKnight.....	773,063	Oct. 25	3838	824	112	1854
Wagon. Dump.....	J. A. Love.....	774,096	Nov. 1	1119	238 239	113	253
Wagon. Dumping.....	E. D. Branch.....	750,084	Jan. 19	3095	666	108	720
Wagon. Dumping.....	G. Kautz, Sr.....	750,196	Jan. 19	3289	711	108	723
Wagon. Dumping.....	D. S. Everett.....	750,447	Jan. 26	3735	816	108	886
Wagon. Dumping.....	J. Bullock.....	751,455	Feb. 9	1243	284	108	1340
Wagon. Dumping.....	J. S. Danley.....	752,306	Feb. 16	2663	590	108	1669
Wagon. Dumping.....	G. J. Exterkamp.....	752,766	Feb. 23	3738	899	108	1928
Wagon. Dumping.....	A. Cameron.....	753,232	Mar. 1	31	7, 8	109	9
Wagon. Dumping.....	A. F. Otto.....	756,400	Apr. 5	421	87	109	1433
Wagon. Dumping.....	O. B. Reynolds.....	758,693	May 3	172	36, 37	110	41
Wagon. Dumping.....	L. Field.....	761,464	May 31	5740	1224 1225	110	1346
Wagon. Dumping.....	W. O. Shadbolt.....	761,921	June 7	620	124	110	1576
Wagon. Dumping.....	J. F. Day.....	762,809	June 14	2372	516	110	1971
Wagon. Dumping.....	W. O. Shadbolt.....	764,309	July 5	796	163	111	176
Wagon. Dumping.....	C. S. Pharis.....	769,957	Sept. 13	1560	332	112	369
Wagon. Dumping.....	C. G. Streich.....	770,335	Sept. 20	2229	483	112	555
Wagon. Dumping.....	S. C. Lancaster.....	771,235	Oct. 4	70	16	112	977
Wagon. Dumping.....	S. C. Lancaster.....	771,256	Oct. 4	73	16	112	977
Wagon. Dumping.....	M. G. Bunnell.....	774,978	Nov. 15	2841	605 606	113	672
Wagon. Dumping.....	J. H. Jack.....	776,594	Dec. 6	256	56	113	1486
Wagon. Dumping.....	H. J. Heck.....	778,487	Dec. 27	4093	880	113	2346
Wagon. Eight-wheeled.....	W. E. Jones.....	756,647	Apr. 5	854	186	109	1524
Wagon elevator attachment. Farm.....	O. S. Anderson.....	774,024	Nov. 1	971	203	113	1221
Wagon. Fish-transport.....	H. Fritsche.....	771,469	Oct. 4	187	110	113	1062
Wagon-frame. Metallic.....	E. B. Feltner.....	771,807	Nov. 22	4606	977	113	1090
Wagon-gear.....	P. Fletcher.....	770,746	Sept. 27	3057	650	112	739
Wagon. Hoisting.....	A. E. Johnson.....	753,888	Mar. 8	1344	303 304	109	310

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. &c.	Vol.	Page.
Wagon-jack	L. J. Grant	766,690	Aug. 2	1139	236	111	1294
Wagon-jack	D. D. Getman	769,476	Sept. 6	670	144	112	152
Wagon. Lumber	B. F. Padgett	754,601	Mar. 15	2783	145	109	641
Wagon. Lumber	D. W. Strickland	760,354	May 17	3515	739	110	825
Wagon. Lumber	D. W. Strickland	768,887	Aug. 30	5655	740	111	2370
Wagon. Lumber	C. G. Streich	775,998	Nov. 29	5005	1056	113	1197
Wagon or cart. Push	B. Loens	776,074	Nov. 29	5143	1086	113	1228
Wagon or like coupling	D. J. Barry	758,889	May 3	691	125	110	149
Wagon. Peanut and combination	A. Koppel	758,843	May 3	523	107	110	125
Wagon. Platform	C. W. Scout	776,148	Nov. 29	5282	1117	113	1260
Wagon pull device	S. L. Greene	763,555	June 28	3843	832	110	2335
Wagon-rack. Adjustable	W. W. Hopkins	762,311	June 14	1346	289	110	1732
Wagon-reach	E. D. Dickinson	764,276	July 5	738	151	111	163
Wagon-reach	E. Keffer	754,318	Mar. 8	2157	477	109	488
Wagon-reach	J. Simpson	775,316	Nov. 22	3579	756	113	865
Wagon-reach	J. T. Crampton	776,458	Nov. 29	5878	1242	113	1396
Wagon. Roll-off lumber	C. G. Streich	775,997	Nov. 29	5002	1055	113	1196
Wagon. Rotary dump	F. H. Tuxill	769,783	Sept. 13	1221	267	112	234
Wagon running-gear	J. Grear	759,172	May 3	1154	235	110	262
Wagon. Sand	S. W. Albertson	769,977	Sept. 13	1596	340	112	376
Wagon seat-lock	L. P. Moore	767,569	Aug. 16	2948	617	111	1732
Wagon-seat. Reversible	M. A. Schuster	769,676	Sept. 13	1409	300	112	336
Wagon side-board attachment. Grain	W. E. Grannon	761,476	May 31	5759	1228	110	1350
Wagon side-board fastener	M. Lenhart	774,091	Nov. 1	1112	236	113	251
Wagon. Speed	J. P. Faber	749,545	Jan. 12	2061	428	108	483
Wagon. Speed	J. P. Faber	753,689	Mar. 1	916	207	109	198
Wagon-spring	757,573	757,573	Apr. 10	1055	207	109	196
Wagon stake or standard	F. R. A. MacKinnon	755,024	Mar. 22	3590	788	109	835
Wagon-standard	H. E. Martin	771,380	Oct. 4	315	70	112	1028
Wagon steering-gear	A. McEntee	750,215	Jan. 19	3325	718	108	770
Wagon-top	J. Pohlig	762,756	June 14	2267	493	110	1946
Wagon-train	J. Koppel	776,405	Nov. 29	5768	1221	113	1371
Wagon-unloading mechanism	M. O. Clark	752,519	Feb. 16	3267	729	108	1801
Wagon. Vender's	P. Smith	776,023	Dec. 6	316	68	113	1499
Wagons. Device for unloading and distributing earth, manure, &c., from	W. von Chelmicki	755,452	Mar. 22	4369	967	109	1002
Waist	L. R. Green	762,704	June 14	2165	471	110	1927
Waist attachment and skirt-supporter. Combination	A. Buckelew	754,742	Mar. 15	3063	668	109	704
Waist for infants. Napkin-supporting	N. H. Harris	760,202	May 17	3248	681	110	764
Waist-lengthener	N. C. Edwards	749,548	Jan. 12	2061	427	108	482
Waist. Self-adjusting	L. Fogus	762,581	June 14	1910	412	110	1871
Waist skirt-pin and garment-supporter	M. E. Kintz	765,014	July 12	2266	409	111	511
Waistband	H. Beerwald	756,566	Apr. 5	721	156	109	1405
Waistband	H. Beerwald	756,567	Apr. 5	722	156	109	1495
Walking elevator	H. Bryant	768,693	May 10	2192	450	110	513
Walking-stick	G. J. Hennessy	758,452	Aug. 23	4740	994	111	2152
Walking-stick and stool. Combination	N. F. Russell	757,776	Apr. 19	3150	685	109	2049
Walks, stairways, &c. Approach to building	R. Rahill	770,260	Sept. 20	2120	446	112	510
Wall and blocks for forming same. Building	W. Whitcomb	763,945	June 28	4597	1004	110	2495
Wall and ceiling covering	K. G. Dietrich	777,394	Dec. 13	1705	377	113	1821
Wall and floor brace	J. A. Ettler	769,339	Sept. 6	401	93	112	87
Wall. Building	F. E. Kidder	769,655	Sept. 6	977	212	112	232
Wall. Building	F. E. Kidder	769,656	Sept. 6	978	212	112	233
Wall. Building	J. A. Ferguson	771,816	Oct. 11	1179	263	112	1236
Wall construction	J. A. Ferguson	767,398	Aug. 16	2565	540	111	1644
Wall construction	F. E. Kidder	767,413	Aug. 16	2590	545	111	1649
Wall construction	F. E. Kidder	767,414	Aug. 16	2591	545	111	1650
Wall construction	F. E. Kidder	773,647	Nov. 1	210	46	113	51
Wall construction. Hollow	D. E. Beechly	749,254	Jan. 12	1426	306	108	347
Wall construction. Ventilating	J. W. Redfern	761,711	June 7	183	34	110	1479
Wall-facing for damproofing	W. Zussner	756,926	Apr. 12	1414	315	109	1660
Wall, floor, or ceiling plate	W. R. Villets	773,445	Oct. 25	4667	986	112	2034
Wall-lining	L. Patterson	766,726	Aug. 2	1207	255	111	1309
Wall mold. Hollow	W. E. Hibbard	777,033	Dec. 13	2301	506	113	1948
Wall. Non-conducting	H. H. Judson	755,137	Mar. 22	3782	833	109	879
Wall or ceiling sheet-metal lining	H. A. Ball and U. A. Wernet	769,245	Sept. 6	212	50	112	46
Wall or vault	J. G. F. Lund	752,694	Feb. 23	3635	860	108	1661
Wall-register	J. W. Mathis	778,755	Dec. 27	4519	990	113	2452
Wall. Retaining	W. L. Church	770,844	Sept. 27	3277	690	112	788
Wall-section for house-building. Portable	E. C. Mahony	765,930	July 26	4066	868	111	925
Wall structure	P. J. McGuire	754,384	Mar. 8	2927	509	109	625
Wall structure	G. B. Waite	770,616	Sept. 20	2810	597	112	691
Wall-wash	J. W. Russell	749,450	Jan. 12	1863	34	110	438
Walls, &c. Construction of	L. G. Mutterer	758,589	Dec. 27	4221	920	113	2285
Walls or like surfaces. Covering for	S. Austin	774,890	Nov. 15	2658	553	113	628
Wardrobe and bed. Combined	J. Ternes	753,462	Mar. 1	453	106	109	99
Wardrobe-hung	752,128	752,128	Feb. 16	2284	562	108	1637
Wardrobe, &c. ceiling-hook	W. A. Williams	761,739	June 7	231	44	110	1489
Wardrobe, closet, &c	W. C. James	750,193	Jan. 19	3285	710	108	762
Wardrobe. Clothes	J. F. Hayes	749,120	Jan. 5	1145	243	108	264
Wardrobe. Folding	H. H. Schuster	753,393	Mar. 1	320	72	109	72
Wardrobe or show case	S. W. Bonsall	760,725	May 24	4274	908	110	1009
Wardrobe or show case	S. W. Bonsall	760,726	May 24	4276	909	110	1009
Wardrobe or show case	S. W. Bonsall	760,727	May 24	4278	909	110	1010
Wardrobe. Portable	A. Magui and M. Cooper	753,721	Mar. 1	975	221	109	210

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Warm-air furnace	O. L. Badger	748,834	Jan. 5	527	121	108	120
Warm-air register	T. E. Hunt	749,065	Tan. 5	1038	219	108	239
Warp-beam tension device	G. Keller	768,464	Aug. 23	4762	998	111	2157
Warp-creel	G. Crossland	777,845	Dec. 20	2731	603	113	2055
Warp-drawing machine	M. F. Field	755,861	Mar. 29	5176	1145	109	1199
Warp-yarn slasher	A. E. Rhoades	764,767	July 12	1786	366	111	407
Warper-comb. Metal	A. E. Rhoades	772,582	Oct. 18	2773	611	112	1596
Warping and beaming machine	W. C. Keyworth	753,079	Feb. 23	4400	979	108	2072
Warping-machine	W. J. Garlick	752,393	Feb. 16	3035	675	108	1752
Warping-machine	F. Ott	757,491	Apr. 19	2560	562	109	1918
Warping-machine clock mechanism	S. E. Rhoades	756,890	Apr. 5	1167	238	109	1533
Warping-machine clock mechanism	A. E. Rhoades	766,383	Sept. 12	1175	102	111	1145
Warping-machine electric stop-motion	J. Cocker and C. Denn	754,748	Mar. 15	3072	671	109	706
Wash apparatus	C. F. V. Flint	755,477	Mar. 22	4408	977	109	1010
Washer							
See Bottle-washer. Rail-joint washer.							
Clothes-washer. Slimes-washer.							
Dish-washer. Spring-washer.							
Gas-washer. Tumbler-washer.							
Nut-lock washer. Vegetable-washer.							
Ore-washer. Vehicle-washer.							
Ore-pulp washer. Wheel-washer.							
Pulp-washer. Window-washer.							
Washer	D. Kunkle	753,588	Mar. 1	716	160	109	156
Washer	C. G. Ette	759,599	May 10	2064	422	110	484
Washer	S. Newberry	760,914	May 24	4632	991	110	1089
Washer	C. G. Ette	766,731	Sept. 13	1193	244	112	275
Washer	C. G. Ette	777,192	Dec. 13	1432	317	113	1760
Washer-making machine	H. C. Hart	767,149	Aug. 9	2095	437	111	1534
Washer-stapling machine	W. Maier and G. M. Howe	758,212	Apr. 26	3988	865	109	2251
Washers. Making	H. C. Hart	766,882	Aug. 9	1567	329	111	1408
Washers. Making	H. C. Hart	767,229	Aug. 9	2255	469	111	1558
Washers. Making	A. Sang	777,436	Dec. 13	1901	418	113	1863
Washing and bleaching. Composition of matter for.	T. Mellor	754,588	Mar. 15	2765	697	109	637
Washing apparatus. Clothes-	O. D. Cloutier	775,126	Nov. 15	3137	667	113	740
Washing device. Clothes-	C. H. Gunn	754,924	Mar. 15	3397	742	109	776
Washing, disinfecting, and drying apparatus.	L. E. Barbe	757,011	Apr. 12	1597	348	109	1698
Washing granular materials. Apparatus for	G. M. Hoffman and J. T. Gibson	762,309	June 14	1343	288	110	1751
Washing-machine	W. T. Rusk	750,126	Jan. 19	3172	682	108	737
Washing-machine	E. V. Allen	750,419	Jan. 26	3704	804	108	875
Washing-machine	P. Cunneen	751,149	Feb. 8	670	154	108	1203
Washing-machine	L. W. Smith	755,323	Mar. 22	4127	912	109	949
Washing-machine	C. S. Page	755,579	Mar. 22	4584	1019	109	1049
Washing-machine	H. E. Carstens	755,742	Mar. 22	4929	1097	109	1141
Washing-machine	R. C. Beekman	756,234	Apr. 5	13	3	109	1345
Washing-machine	W. C. Fawkes	756,234	Apr. 5	65	14	109	1356
Washing-machine	W. C. Lott	756,253	Apr. 5	117	25	109	1367
Washing-machine	S. M. Farwell	756,347	Apr. 5	313	64, 65	109	1410
Washing-machine	J. W. Montgomery	756,856	Apr. 12	1279	285	109	1632
Washing-machine	C. Dietz	757,829	Apr. 19	3240	703	109	2068
Washing-machine	C. Dietz	757,896	Apr. 19	3366	727	109	2096
Washing-machine	P. Farnquist	759,254	May 10	1390	278	110	337
Washing-machine	W. C. Fawkes	759,601	May 10	2067	423	110	485
Washing-machine	C. W. Cramer and H. C. Haak	759,768	May 10	2213	455	110	517
Washing-machine	C. W. Hottman	760,067	May 17	2974	621	110	705
Washing-machine	J. R. Carter	760,612	May 24	4026	856	110	956
Washing-machine	A. N. Woodard	760,942	May 24	4707	1003	110	1101
Washing-machine	J. C. McCulley	761,539	May 31	5553	1255	110	1370
Washing-machine	M. Jensen	762,261	June 7	863	178	110	1624
Washing-machine	A. A. and D. D. Rullman	762,199	June 7	1110	238	110	1680
Washing-machine	B. A. Stocking and H. Mendenhall	762,851	June 14	2466	534	110	1991
Washing-machine	B. B. Rieder	762,943	June 21	2654	575	110	2053
Washing-machine	J. I. Moreland	764,613	July 12	1471	300	111	398
Washing-machine	J. W. Haffken	764,730	July 12	1714	351	111	391
Washing-machine	G. E. Ellis	765,918	July 26	4040	863	111	925
Washing-machine	H. A. Bierley	766,097	July 26	4396	942	111	996
Washing-machine	W. D. Whitney	766,477	Aug. 2	689	145	111	1190
Washing-machine	J. J. Oaks	767,116	Aug. 9	8028	421	111	1511
Washing-machine	T. J. Steen	767,969	Aug. 16	3686	778	111	1891
Washing-machine	C. Dietz	768,430	Aug. 23	4707	986	111	2144
Washing-machine	P. Cunneen	769,818	Sept. 13	1302	276	112	314
Washing-machine	S. W. Anderson	769,883	Sept. 13	1417	302	112	338
Washing-machine	E. L. Davis	769,890	Sept. 13	1429	305	112	340
Washing-machine	T. M. Kirkwood	770,295	Sept. 20	2225	464	112	337
Washing-machine	S. S. Ruth	770,391	Sept. 20	2391	505	112	575
Washing-machine	B. Wilhelm	770,706	Sept. 20	2987	635	112	707
Washing-machine	W. W. Terriff	770,989	Sept. 27	3547	748	112	851
Washing-machine	J. H. Barton	771,223	Oct. 4	6	2	112	962
Washing-machine	J. E. Ruby	771,750	Oct. 4	1036	230	112	1181
Washing-machine	J. W. Balfour	772,493	Oct. 18	2603	573	112	1559
Washing-machine	E. Rue	773,101	Oct. 25	3909	832	112	1867
Washing-machine	C. C. Meyer	773,761	Nov. 1	433	95	113	102
Washing-machine	R. Neugebore	774,363	Nov. 8	1595	342	113	876
Washing-machine and drier. Combined.	C. F. Schmidt and C. Kleinknecht	760,648	May 24	4097	871	110	972
Washing-machine bluing gear and mixer.	E. W. Grace	750,185	Jan. 19	3375	706	108	759
Washing-machine. Clothes-	R. Loux and F. E. Butterfield	768,085	Apr. 26	3749	815	109	2197
Washing-machine driving mechanism.	E. L. Patterson	753,909	Mar. 8	1390	314	109	380
Washing-machine gearing.	F. T. Brosi	750,243	Jan. 19	3395	731	108	785

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Washing-machine gearing.....	W. Ruthven.....	759,554	May 10	1974	408	110	467
Washing-machine gearing.....	H. J. Duve.....	761,951	June 7	669	135	110	1586
Washing-machine gearing.....	M. A. Basley.....	772,451	Oct. 18	2508	549	112	1539
Washing-machine gearing.....	H. Hammack and W. J. Schoonover.	776,109	Nov. 29	5209	1100	113	1242
Washing-machine motor.....	G. E. Averill.....	774,145	Nov. 8	1198	255	113	287
Washing-machine stirrer-head.....	A. Wahle.....	760,500	May 24	3804	806	110	907
Washing machine. Vessel or receptacle.....	W. B. Page.....	754,494	Mar. 15	3559	562	109	601
Washbench.....	W. Copeland.....	755,621	Mar. 29	4688	1042	109	1086
Washboard.....	W. H. Gladwill.....	751,282	Feb. 2	953	216	108	1259
Washboard.....	H. M. Haas.....	754,300	Mar. 8	2151	472	109	483
Washboard.....	J. B. Jones.....	755,372	Mar. 29	4778	1063	109	1106
Washboard.....	J. F. Faulkner.....	755,860	Mar. 29	5174	1145	109	1199
Washboard.....	C. L. Kinney.....	772,156	Oct. 11	1908	423	112	1383
Washboard attachment.....	N. Lyke.....	756,386	Apr. 5	397	81	109	1428
Washboiler.....	A. W. Snyder and W. McConaha	758,867	May 3	584	115	110	141
Washboiler.....	J. L. and J. L. Brobst	762,576	June 14	1903	492	110	1870
Washboiler.....	G. Hacker.....	769,312	Sept. 6	356	81, 82	112	77
Washboiler attachment.....	W. J. Bartlett.....	752,506	Feb. 16	3244	723	108	1796
Washboiler attachment.....	H. O. Turner and A. Bemore.	765,215	July 19	2639	550	111	608
Washboiler fountain attachment.....	W. A. Mayor.....	754,790	Mar. 15	3159	688	109	724
Washboiler-handle.....	T. L. Ferrall.....	774,720	Nov. 8	2278	492	113	532
Washbowl or spittoon.....	F. Lerchner.....	755,350	Apr. 5	113	24	109	1366
Washstand.....	T. Widdop.....	753,339	Mar. 1	222	50, 51	109	51
Washsub.....	J. B. McLaughlin.....	749,575	Jan. 12	2101	438	108	492
Washsub cover. Stationary.....	P. W. Casler.....	761,147	May 31	5136	1091	110	1212
Washsub-joint.....	T. L. Ferrall.....	749,683	Jan. 29	3233	492	108	199
Waste-paper box. Street.....	G. J. Engelland.....	758,391	Apr. 26	429	108	109	231
Waste-trap.....	C. Barber and G. L. Chace	769,554	Sept. 6	857	184	112	194
Watch.....	B. Redepenning.....	763,508	June 28	3756	811	110	2316
Watch.....	L. E. Favre.....	764,934	July 12	2139	442	111	485
Watch-barrel.....	M. Blum.....	751,896	Feb. 27	2074	489	108	1320
Watch-bow fastener.....	J. H. Rogers.....	748,069	Jan. 5	1105	234	108	254
Watch cannon-pinion.....	C. Kuenzel.....	768,289	Aug. 23	4406	925	111	2072
Watch-charm.....	J. McLean.....	769,912	Sept. 13	1471	315	112	349
Watch-escapement.....	H. A. Leonard.....	764,137	July 5	447	87	111	97
Watch-guard.....	R. Mart.....	771,991	Oct. 11	1553	348	112	1305
Watch-guard.....	A. A. Grandall.....	773,376	Oct. 25	4516	985	112	2901
Watch-holder.....	G. R. H. Thora.....	750,503	Jan. 26	3874	841	108	911
Watch-holder.....	A. M. and E. S. Church	753,363	Mar. 1	260	59	109	59
Watch-holder. Safety.....	J. H. Bee and T. B. Campbell, Jr	759,851	May 17	2565	535	110	610
Watch-mainspring.....	F. O. Klein.....	753,584	Mar. 1	710	159	109	135
Watch-movement.....	C. Kuenzel.....	768,290	Aug. 23	4407	925	111	2072
Watch-movement winding-wheels. Ornamentation of exposed.....	O. Ohlson.....	754,600	Mar. 15	2782	606	109	641
Watch-protector.....	M. Sonnenfeld.....	756,072	Mar. 29	5570	1229	109	1285
Watch-protector.....	R. Adolph.....	760,409	Aug. 2	538	112	111	1137
Watch-regulator.....	W. W. Conover.....	756,589	Apr. 5	763	166	109	1504
Watch-repairer's gage.....	F. H. Gillette.....	771,624	Oct. 4	799	178	113	1130
Watch-repairing tool. Combination.....	M. W. Sayyidah.....	766,067	July 26	4328	927	111	981
Watch-roller and hand remover.....	O. O. Aune.....	772,325	Oct. 11	2245	492	112	1460
Watch. Stem-winding.....	A. A. Ditzel.....	754,407	Mar. 15	2393	523	109	557
Watch. Stem-winding.....	A. Blanc.....	753,903	Mar. 29	3251	1161	109	1215
Watch. Stem-winding and setting.....	A. Bannatyne.....	756,459	Apr. 5	540	113	109	1438
Watch. Stem winding and setting.....	A. Bannatyne.....	767,096	Aug. 9	1988	414	111	1502
Watch stem winding and setting mechanism.....	C. Rodé-Stucky.....	754,171	Mar. 8	1881	419	109	431
Watch stem winding and setting mechanism.....	G. Favre-Jacot.....	772,409	Oct. 18	2428	538	112	1521
Watch. Stop.....	E. Philippe.....	754,798	Mar. 15	3168	690	109	726
Watch. Stop.....	S. Petrillo.....	755,313	Mar. 22	4108	907	109	945
Watch. Stop.....	J. L. Newell.....	759,303	May 10	1485	297	110	360
Watch winding and setting mechanism.....	A. Ditschheim.....	750,619	Jan. 26	4092	866	108	954
Watch winding and setting mechanism.....	F. C. A. Blanc.....	771,227	Oct. 4	913	13	112	963
Watch winding-indicator.....	J. Walz.....	752,987	Feb. 23	4127	919	108	2010
Watch winding mechanism.....	J. Bond.....	766,415	Aug. 2	542	114	111	1159
Watches or other mechanisms. Click for.....	F. R. Cunningham.....	764,885	July 12	2021	416	111	458
Watchcase.....	W. W. Dudley.....	748,590	Jan. 5	70	20	108	17
Watchcase.....	H. H. Patry and L. S. Hanson.....	760,558	May 24	3917	832	110	932
Watchcase.....	A. M. Kilberg.....	778,251	Dec. 27	3544	777	113	2241
Watchcase.....	C. K. Colby.....	778,775	Dec. 27	4558	998	113	2461
Watchcase-bezel.....	H. Hart.....	759,101	May 3	1012	206	110	230
Watchcase-opener.....	R. H. Paar.....	769,873	Sept. 13	1404	299	112	335
Watchcase-pendant.....	F. C. Ries.....	773,424	Oct. 25	4633	978	112	2927
Watchmaker's pivot-pin-grinding device.....	D. Abeles.....	766,211	Aug. 9	118	22	111	1067
Watchmaker's tool.....	W. D. Smith.....	751,439	Feb. 2	1215	277	108	1316
Water and gas separator.....	E. O. Newman.....	776,753	Dec. 6	581	127	113	1554
Water. Apparatus for applying bed and bank linings under.....	E. Fichet.....	776,898	Dec. 6	877	188	113	1620
Water. Apparatus for separating oil and grease from.....	E. Friesdorf.....	757,448	Apr. 19	2471	540	109	1900
Water. Apparatus for separating oil or grease from.....	C. Oliver.....	748,961	Jan. 5	843	179	108	195
Water-burning apparatus.....	S. S. Muth.....	774,447	Nov. 8	1738	374	113	405
Water-circulating device.....	G. Kimball.....	766,448	Aug. 2	600	137	111	1122
Water-closet.....	J. W. Kelly.....	752,906	Feb. 23	4035	904	108	1989
Water-closet.....	H. O. Krakow.....	754,573	Mar. 15	2732	595	109	631
Water-closet.....	W. Kulow.....	754,733	Mar. 15	3051	666	109	701
Water-closet.....	W. H. Osborn.....	755,198	Mar. 22	4440	986	109	1017
Water-closet.....	E. Rousseau.....	755,922	Mar. 22	4440	1170	106	1236
Water-closet.....	F. W. Bender and J. M. Schlottter	759,473	May 10	1820	367	110	433
Water-closet.....	L. M. Cooper.....	763,246	June 21	3227	695	110	2181
Water-closet.....	F. C. Zacharie.....	763,561	June 28	3856	835	110	2338
Water-closet.....	H. C. Waldmann.....	768,890	Aug. 30	5662	1190	111	2371
Water-closet.....	H. C. Waldmann.....	769,520	Sept. 6	750	163	112	170

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Water-closet	H. H. Kendrick	771,254	Oct. 4	69	15	112	977
Water-closet	W. F. Barnes	773,183	Oct. 25	4129	872	112	1918
Water-closet	R. L. Dezendorf	773,099	Nov. 15	2938	626	113	695
Water-closet	P. J. Mather	776,408	Nov. 29	5776	1923	113	1372
Water-closet attachment	P. H. Bacon	775,321	Feb. 16	2899	646	108	1722
Water-closet. Automatic marine	W. H. Smith	751,210	Feb. 2	806	185	108	1229
Water-closet bowl	A. Ek	751,270	Feb. 2	934	212	108	1256
Water-closet bowl	M. D. Helfrich and F. W. Kingsbury	771,068	Sept. 27	3713	783	112	883
Water-closet bowl	R. Schmalzack	771,098	Sept. 27	3770	794	112	898
Water-closet flushing apparatus	A. La Bonté	761,509	May 31	5816	1243	110	1363
Water-closet flushing tank	C. H. Phillips	768,688	Aug. 30	3257	1106	111	2379
Water-closet-hopper soil-pipe connection	A. F. H. Bode	762,980	June 21	2707	588	110	2065
Water-closet. Pump	L. M. Hooper	762,059	June 7	850	177	110	1623
Water-closet seat	C. P. McElroy	749,083	Jan. 5	1077	227	108	248
Water-closet seat	M. Rutledge	756,897	Apr. 12	1365	304	109	1649
Water-closet seat	H. H. Phillips	763,791	June 28	4308	936	110	2434
Water-closet seat attachment	W. C. Tregoning	765,643	July 19	1974	422	110	1886
Water-closet-seat protective covering	P. Michaels	762,425	Oct. 18	2460	539	112	1528
Water-closet tank mechanism	J. M. Burr	761,758	June 7	372	54	110	1498
Water-closet tank-valves. Mechanism for operating	P. J. Gross	757,738	Apr. 19	3072	669	109	2031
Water-closet ventilating device	W. J. Powers	754,695	Mar. 15	2978	649	109	684
Water-closet ventilator	C. H. Muckenbirt	749,873	Jan. 19	2688	575	108	1035
Water-closet ventilator attachment	C. A. Sullivan, P. J. Sweeney, and E. J. Woodison	776,815	Dec. 6	705	156	113	1582
Water-closets, &c. Flushing apparatus for	J. H. Smith	753,174	Feb. 23	4562	1017	108	2108
Water-closets, &c. Flushing apparatus for	J. H. Smith	762,444	June 14	1616	331	110	1809
Water-closets, &c. Ventilating device for	J. Drouillard	759,352	Feb. 2	328	75	108	1130
Water. Composition of matter for purifying sea or hard	A. Gutensohn	773,494	Oct. 25	4784	.....	112	2058
Water-cooler	H. G. Sweeney	762,810	Feb. 23	3843	862	108	1946
Water-cooler	H. H. Shook	764,259	Dec. 20	3089	579	113	2125
Water-cooler	C. F. Conover	773,012	Dec. 20	3089	579	113	2125
Water-cooler base	A. Major	773,879	Nov. 1	696	145	113	160
Water cooler. Hot	J. S. Scott	756,061	Mar. 29	5550	1235	109	1281
Water-cooling apparatus	E. Soller and F. Hottinger	776,152	Dec. 20	3352	735	113	2182
Water-elevating apparatus	H. L. Frost	751,626	Feb. 9	1558	354	108	1408
Water-elevating apparatus	A. Sundh	775,585	Nov. 22	4176	880	113	998
Water-elevator	D. D. Dennis	762,153	June 7	1031	215	110	1662
Water-elevator	J. A. Elliott	763,051	June 21	2833	617	110	2098
Water-elevator	J. L. O. King	772,241	Oct. 11	2085	456	112	1423
Water-elevator. Air-expanding	A. Eye	762,615	June 14	1978	422	110	1886
Water-elevator. Compressed-air	G. H. Stout	776,950	Dec. 6	1006	215	113	1650
Water-elevator. Windlass	J. R. Jones and Q. Callaway	751,652	Feb. 9	1603	364	108	1418
Water-fountain. Ornamental	J. Keith	763,614	June 28	3942	857	110	2355
Water-gage	N. H. Hiller	750,539	Jan. 26	3961	837	108	927
Water-gage	J. Zoanetto	754,034	Mar. 8	1629	362	109	375
Water-gage	L. A. Bertram	754,963	Mar. 22	3487	763	109	814
Water-gage	J. J. Aull	763,588	June 28	3902	847	110	2347
Water-gage	E. C. and C. B. Wood	770,141	Sept. 13	1886	401	112	441
Water-gage	G. C. Jordan	774,080	Nov. 1	1083	232	113	245
Water-gage glasses. Adjustable guard for	W. G. Ames	769,452	Sept. 6	608	134	112	138
Water-gage shield. Glass	P. Layton	763,408	June 28	3576	771	110	2278
Water-gages. Automatic cut-off for glass-tube	W. Cogger	755,456	Mar. 22	4374	969	109	1032
Water-gate	W. A. Smith	766,850	Aug. 9	1500	313	111	1393
Water-gate	F. E. Adams	771,959	Oct. 11	1485	336	112	1289
Water-gate opening or closing means	A. J. Collar	773,849	Nov. 1	623	131	113	144
Water-gate-operating means	A. J. Collar	776,727	Dec. 6	519	113	113	1541
Water-heater	A. W. Ekström	755,366	Mar. 22	4207	931	109	969
Water-heater	E. E. Murphy	757,563	Apr. 19	2716	594	109	1952
Water-heater	S. Bernstein	758,347	Apr. 26	4278	919	109	2315
Water-heater	F. V. Bartlett	759,228	May 10	1336	260	110	324
Water-heater	J. Foster	759,693	May 10	2070	424	110	485
Water-heater	J. G. Hollas and W. McLaughlin	759,607	May 10	3078	426	110	486
Water-heater	R. S. Lawrence	760,002	May 17	2851	596	110	676
Water-heater	J. M. Fox	760,327	May 17	3473	731	110	815
Water-heater	M. Schaack	760,351	May 17	3511	738	110	823
Water-heater	J. G. Hall	760,689	May 24	4192	890	110	991
Water-heater	M. Schaack	761,718	June 7	194	37	110	1481
Water-heater	W. V. Dickerson	762,155	June 7	1033	216	110	1663
Water-heater	A. D. Gordon	765,338	July 19	2883	602	111	661
Water-heater	J. McCartney	766,889	Aug. 9	1579	332	111	1411
Water-heater	J. P. Hathaway	766,964	Aug. 9	1725	322	111	1444
Water-heater	J. H. George	767,810	Aug. 16	3358	711	111	1822
Water-heater	G. H. Minier	769,953	Sept. 13	1553	331	112	367
Water-heater	E. N. Longstreth	772,108	Oct. 11	1802	400	112	1361
Water-heater	J. Coyne	776,498	Dec. 6	122	19	112	1493
Water-heater	J. S. Coe	777,941	Dec. 20	2725	600	113	2054
Water-heater	D. W. Bennett	778,527	Dec. 27	4101	893	113	2360
Water-heater and garbage-crematory	A. Long	763,410	June 28	3578	772	110	2279
Water-heater and steam-cooker. Portable	J. W. Staton	757,358	Apr. 12	2289	499	109	1847
Water-heater. Electric	J. P. Hathaway	753,659	Mar. 29	4750	1038	109	1100
Water-heater. Electric	R. Toennes	760,280	May 17	3386	714	110	796
Water-heater. Electrical	H. M. Hill	754,451	Mar. 15	2493	543	109	580
Water-heater or steam-generator	A. W. Finlayson	770,055	Sept. 13	1734	367	112	408
Water-heater. Portable	E. H. Schwartz	758,859	May 3	549	111	110	130
Water-heating	D. Cochrane	770,264	Sept. 20	2129	448	112	512

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Water-heating and steam-generating device.....	J. T. Burr	757,263	Apr. 12	2081	454	109	1808
Water-heating apparatus.....	H. E. Penney	756,886	Apr. 12	1337	297	109	1643
Water-heating apparatus.....	F. A. Gale	758,908	May 3	661	333	110	156
Water-heating apparatus.....	P. Deasy	765,051	July 19	3496	738	111	731
Water-heating apparatus.....	P. A. Deasy	765,652	July 19	3497	738	111	791
Water-heating apparatus.....	A. P. Broomell	770,827	Sept. 20	2833	601	112	672
Water-heating attachment.....	L. S. Frost	773,964	Nov. 1	657	139	113	152
Water-hoisting apparatus.....	W. H. Moody	775,843	Nov. 22	467	960	113	1104
Water-meter	L. H. Nash	748,777	Jan. 5	410	94	108	92
Water-meter	O. Braun	752,226	Feb. 16	2908	648	108	1724
Water-meter	J. Thomson	756,431	Apr. 5	483	100	109	1445
Water-meter	F. Lambert	764,602	July 12	1450	296	111	394
Water-meter	F. Lambert	764,603	July 12	1451	296	111	394
Water-meter	F. Lambert	764,604	July 12	1453	297	111	394
Water-meter	F. Lambert	764,605	July 12	1454	297	111	394
Water-meter	F. Lambert	765,144	July 12	2511	524	111	562
Water-meter	G. B. Bassett	766,317	Aug. 2	363	76	111	1120
Water-meter	E. J. Hoff	774,665	Nov. 8	2149	471	113	492
Water-meter	J. Thomson	778,086	Dec. 20	3226	709	113	2153
Water-meter. Current.....	W. H. Larrabee	771,650	Oct. 4	847	190	112	1140
Water-meter. Disk	J. P. Kelly	749,066	Jan. 5	1041	220	108	246
Water-meter. Disk	Thomson	771,337	Oct. 2	287	50, 51	112	112
Water-meters, &c. Integrating apparatus for.....	W. Ferris	771,363	Oct. 4	389	63, 64	112	1023
Water-motor	J. D. Lee	749,491	Jan. 12	1957	406	108	458
Water-motor	J. Hofmann	751,732	Feb. 9	1754	398	108	1449
Water-motor	O. S. Noyes	755,790	Mar. 29	5036	1119	109	1164
Water-motor	M. H. White	764,403	July 5	1013	206	111	225
Water-motor	J. P. Shevlin	770,324	Sept. 20	2283	479	112	551
Water-motor	H. A. Hiscox	771,636	Oct. 4	823	184	112	1135
Water-motor	H. J. M. Siemers	772,383	Oct. 18	2372	521	112	1509
Water-motor	J. F. Myser	775,776	Nov. 22	4543	964	113	1077
Water-motor	C. L. Wilkins and M. J. Weber	776,978	Dec. 6	1031	222	113	1656
Water or sewage. Apparatus for distribution and purification of.....	S. F. Van Choate	764,783	July 12	1812	372	111	413
Water-pipe, &c.....	P. E. Fisher	774,384	Nov. 8	1629	349	111	333
Water-pipe mute	P. P. Monnier	752,175	Feb. 16	2597	578	108	1633
Water-power motor or engine	C. E. Frike	759,604	May 10	2072	424	110	486
Water purification	C. Monjeau	750,474	Jan. 26	3812	828	108	899
Water purification by electrical means. Apparatus for.....	J. S. Zerbe	767,195	Aug. 9	2189	457	111	1544
Water-purifier	W. H. Green	767,746	Aug. 16	3228	680	111	1793
Water-purifier	W. H. Green	767,747	Aug. 16	3229	681	111	1794
Water-purifier	F. G. Kuné	769,750	Sept. 13	1167	251	112	282
Water-purifier	T. D. Just	772,416	Oct. 18	2439	335	112	1523
Water-purifier and elevator	D. N. Baxter	774,372	Nov. 8	1607	345	113	378
Water. Purifying	J. W. Carpenter	775,443	Nov. 22	3854	815	113	928
Water. Purifying	W. M. George	761,044	May 24	4933	1045	110	1148
Water. Purifying	W. M. Jewell and W. J. McGee	766,146	July 26	4498	962	111	1018
Water. Purifying	T. Jones	773,395	Oct. 25	4559	112	2012	2012
Water. Purifying	T. E. Fulghum	776,508	Dec. 6	65	16	113	1339
Water-purifying apparatus	J. C. W. Greth	749,728	Jan. 19	2415	510	108	575
Water-purifying apparatus	J. C. W. Greth	753,880	Mar. 8	1330	299	109	307
Water-purifying apparatus	H. H. Suto	765,259	July 19	2711	564	111	633
Water-purifying apparatus	W. H. Green	767,049	Aug. 9	1878	393	111	1479
Water-purifying apparatus	R. H. Wiles	767,093	Aug. 9	1984	413	111	1501
Water-purifying apparatus	C. L. Kennicott	767,098	Aug. 16	3152	659	111	1776
Water-purifying apparatus	F. G. Kuné	769,749	Sept. 13	1166	251	112	281
Water-purifying apparatus	R. H. Wiles	769,972	Sept. 13	1354	338	112	373
Water-purifying apparatus	A. Sorge, Jr	772,678	Oct. 18	2949	647	112	1633
Water-purifying apparatus	C. L. Kennicott	773,493	Nov. 1	827	173	113	190
Water-purifying apparatus	J. C. W. Greth	775,901	Nov. 22	4779	1012	113	1126
Water-purifying-tank attachment.....	W. Curtis	769,856	Sept. 13	1377	294	112	330
Water raising or forcing apparatus. Compressed-air-operated.....	R. A. Wilken	767,711	Dec. 6	488	107	113	1535
Water-seal trap	E. Gaucher	760,279	Sept. 20	2181	454	112	527
Water-seal trap	J. E. Keyt	766,764	Aug. 2	1277	271	111	1324
Water-sealing trap	R. P. Cowhig	777,245	Dec. 13	1530	339	113	731
Water-service supply-tank	L. A. Cornelius	770,299	Nov. 29	5564	1179	113	1324
Water-softening apparatus	H. Breid	769,550	Sept. 6	803	172	112	181
Water-stage recorder. Automatic.....	H. P. Friez	758,295	Apr. 26	4166	899	109	2288
Water-sterilizing apparatus	J. P. Friez	770,315	Nov. 29	5587	1184	113	1328
Water-supply	H. J. Wessels	751,886	Feb. 9	2053	464	108	1515
Water-supply apparatus for cattle, poultry, &c.....	G. Hacker	755,150	Mar. 22	3802	838	109	884
Water-supply system	752,155	752,155	Feb. 16	2572	572	108	1648
Water-tank	R. P. Henry	777,682	Dec. 13	2239	505	113	1947
Water-tank	J. T. Donahoe	749,273	Jan. 12	1488	317	108	338
Water-tank heater	J. Miller	758,188	Apr. 26	3941	855	109	2241
Water-tower	J. S. Allendorph	773,699	Nov. 1	816	69	113	75
Water-trap	J. C. Keller	769,372	June 28	3497	755	110	2261
Water-trunk or flood-gate. Tide.....	767,063	767,063	Aug. 9	1913	401	111	1486
Water-tube boiler	J. C. Heidt	754,308	Mar. 8	2144	475	109	486
Water-tube boiler	G. R. F. H. Cuntz	749,120	Jan. 5	1158	245	108	268
Water-tube boiler	T. W. Johnson	750,286	Jan. 26	3466	750	108	821
Water-tube boiler	G. E. Turner	752,330	Feb. 16	3508	781	108	1853
Water-tube boiler	G. E. Turner	752,631	Feb. 16	3510	781	108	1855

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Water-tube boiler.....	J. E. Bossingham and F. Emiling ..	754,415	Mar. 15	2407	527	109	560
Water-tube boiler.....	J. Miyabara	756,179	Mar. 29	5759	1271	109	1324
Water-tube boiler.....	S. C. Munoz	759,463	May 10	1792	363	110	425
Water-tube boiler.....	J. J. O'Brien	759,544	May 10	1958	400	110	464
Water-tube boiler.....	J. P. Sneddon	760,267	May 17	3358	706	110	700
Water-tube boiler.....	E. T. Hannam	761,829	June 7	437	89	110	1536
Water-tube boiler.....	W. C. Kendall	762,320	June 14	1363	294	110	1756
Water-tube boiler.....	C. L. Seabury	765,443	July 19	3093	647	111	705
Water-tube boiler.....	R. Gray	765,830	July 26	3882	826	111	884
Water-tube boiler.....	T. J. Barbour	766,583	Aug. 2	901	189	111	1239
Water-tube boiler.....	J. P. Sneddon	770,664	Sept. 20	2908	618	112	690
Water-tube boiler.....	J. Cowan	772,340	Oct. 18	2278	500	112	1488
Water-tube boiler.....	M. T. Goss	774,419	Nov. 8	1693	362	113	396
Water-tube boiler.....	J. M. Colman	774,564	Nov. 8	1971	428	113	455
Water-tube boiler.....	H. L. Wilson	775,435	Nov. 22	3834	429	113	923
Water-tube boiler.....	J. J. Rohan	777,748	Dec. 20	2512	555	113	2010
Water-wheel governor.....	M. F. Schenck	748,659	Jan. 5	202	48	108	44
Water-wheel. Horizontal.....	D. W. Starrett	763,572	June 23	3876	840	110	2342
Water-wheel. Impact.....	E. Ortwein	758,465	Apr. 26	4500	967	109	2365
Water-wheel nozzle. Impact.....	S. Selden	776,093	Nov. 29	5185	1095	113	1237
Water-wheel setting.....	W. A. Doble	751,722	Feb. 9	1731	339	108	1443
Water-wheel setting.....	A. Giesler	750,761	Jan. 26	4402	949	108	1035
Water-wheel shaft bearing.....	A. Giesler	750,843	Feb. 2	123	29	108	1085
Water-wheel. Undershot.....	F. Trump	766,296	Aug. 2	321	66	111	1112
Water-wheels. Antifriction-bearing for.....	J. W. Jacobs	760,869	May 24	4558	971	110	1069
Waterer. Chicken.....	R. W. O. Rehmenkiau	754,388	Mar. 8	2385	510	109	527
Waterer. Hog.....	A. A. Bagley	778,624	Dec. 27	4283	937	113	2401
Waterer. Stock.....	B. F. Booth	763,416	Dec. 2	544	114	111	1159
Waterer. Stock.....	F. S. Seymour	763,331	June 21	3376	734	110	2213
Watering apparatus. Ambulant.....	A. La Breche	777,856	Dec. 20	2170	608	113	2062
Watering apparatus. Poultry-house.....	P. Nolting	757,338	Apr. 12	3255	491	109	1839
Watering apparatus. Stock.....	G. Hacker	732,154	Feb. 16	2571	572	108	1647
Watering device. Stock.....	H. H. Hacker	752,157	Feb. 16	2575	573	108	1648
Watering fountain. Fowl.....	F. C. Mudd	769,006	Aug. 30	5893	1235	111	2425
Watering machine. Automatic stock.....	R. L. Widney	774,626	Nov. 8	2082	453	113	473
Watering-pot.....	S. C. Clark	754,548	Mar. 15	3274	714	109	749
Waterproof coat.....	J. Tracey	756,190	Mar. 29	5774	1275	109	1327
Waterproof suit.....	A. R. Underdown	776,440	Nov. 29	5846	1235	113	1389
Waterproofing fabrics. Compound for.....	N. B. Lawson	760,880	May 24	4574	975	110	1073
Waterproofing sheeting.....	W. M. Mackintosh	771,357	Oct. 4	74	12	108	978
Waterproofing tissues.....	A. Gross	753,968	Nov. 29	4949	1045	113	1182
Waterway. Pleasure.....	T. Luthringer	757,325	Apr. 12	2229	487	109	1833
Waterway. Pleasure.....	A. Pusterla	753,311	Mar. 1	176	40	109	40
Waterway. Pleasure.....	A. Pusterla	774,374	Nov. 8	1430	306	113	339
Waterway. Pleasure.....	A. Pusterla	776,936	Dec. 6	357	204	113	1638
Wattmeter. Alternating-current.....	C. A. Brown	750,938	Feb. 2	300	71	108	1123
Wattmeter. Alternating-current.....	F. Conrad	760,426	May 4	3651	772	110	871
Wave-motor.....	J. A. Langstroth	748,757	Jan. 5	376	85	108	83
Wave-motor.....	D. G. Weems	755,728	Mar. 29	4902	1091	109	1136
Wave-motor.....	M. D. Compton	756,833	Apr. 12	1237	275	109	1634
Wave-motor.....	F. J. Torrens	771,754	Oct. 4	1044	232	113	1182
Wave-motor.....	G. M. Lynch	774,442	Nov. 8	1732	372	113	404
Wave-power apparatus.....	J. H. Smith	768,701	Aug. 30	5284	1110	111	3285
Wave-receiver.....	R. W. Shoemaker and L. H. Giddings ..	761,258	May 31	5357	1137	110	1259
Wave-responsive device.....	F. W. Midgley	756,676	Apr. 5	923	202	109	1540
Wave-responsive device.....	A. E. Woodward and H. Shoemaker ..	757,802	Apr. 19	3193	694	109	2059
Wave-transmitter.....	R. L. de Moura	771,917	Oct. 11	1395	317	112	1270
Waves of the sea. Device for utilizing the power of undulations of.....	F. Goedecke	773,285	Oct. 25	4392	915	112	1362
Wax-applying roll or brush.....	W. A. Reed	757,496	Apr. 19	2569	564	109	1920
Wax emulsion and producing same.....	H. H. Church	778,445	Dec. 27	3447	1113	113	2326
Way-billing system. Baggage.....	C. B. Johnston	774,884	Nov. 15	2648	569	113	625
Weaner. Calf.....	A. N. Sifton	777,443	Dec. 13	1917	432	113	1807
Weaner. Calf or calf.....	F. J. Etchison	763,653	June 21	2856	617	110	2098
Weather-boarding apparatus.....	W. Spear	774,114	Nov. 1	1147	245	113	290
Weather-strip.....	F. Fournier	749,897	Jan. 19	2729	584	108	645
Weather-strip.....	S. Lenzer	750,663	Jan. 26	4162	903	108	969
Weather-strip.....	G. L. Parker	752,355	Feb. 16	3960	859	108	1736
Weather-strip.....	W. H. Etter	752,330	Feb. 16	3031	674	108	1751
Weather-strip.....	C. Vose	752,723	Feb. 23	3697	824	108	1914
Weather-strip.....	J. H. Foote	752,767	Feb. 23	3759	839	108	1928
Weather-strip.....	J. S. Senglar	754,519	Mar. 15	3308	699	109	736
Weather-strip.....	H. Eagon	754,857	Mar. 15	3391	717	109	738
Weather-strip.....	E. Douden and A. B. Robb ..	758,626	May 8	44	8	110	14
Weather-strip.....	W. J. Perry	761,305	May 31	5627	1198	110	1320
Weather-strip.....	W. Peace	769,626	Sept. 6	928	201	112	210
Weather-strip.....	W. Steger	770,830	Sept. 20	2292	481	112	553
Weather-strip.....	C. M. Rhodes	770,444	Sept. 20	2478	536	112	593
Weather-strip.....	W. H. Taylor	773,680	Nov. 1	201	66	113	72
Weather-strip.....	J. E. Scott	774,702	Nov. 8	2225	486	113	510
Weather-strip. Automatic.....	L. Rottler	760,254	May 17	3340	702	110	786
Weather-strip. Door.....	T. D. Snow	767,771	Aug. 16	3276	691	111	1804

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Weather-strip for doors.....	T. H. Duncombe.....	776,226	Nov. 29	5450	1154	111	1299
Weather-strip. Metal.....	H. E. Kenny.....	765,544	July 26	3916	835	111	801
Weather-strip. Metal.....	H. E. Kenny.....	765,545	July 26	3917	836	111	892
Weather-strip. Metal.....	H. E. Kenny.....	767,286	Aug. 9	2350	492	111	1579
Weather-strip. Window.....	J. T. Roberts.....	755,552	Mar. 22	4537	1010	109	1038
Weatherproof pole-switch.....	C. H. Jackson.....	761,230	May 31	5297	1125	110	1246
Weave for shades, &c.....	A. C. Hough.....	748,734	Jan. 5	338	75	108	75
Weaving. Flexible looper for doup.....	W. G. Hartley.....	763,554	June 14	191	413	110	1372
Weaving purposes. Production of endless cards for.....	J. Szczepanik.....	760,099	May 17	2990	611	110	691
Web cutting, printing, and folding press.....	C. A. Tripp.....	763,337	June 21	3889	737	110	2215
Web-interlacing machine.....	A. E. Sexton.....	770,505	Sept. 20	2610	553	112	623
Web-manipulating mechanism.....	L. W. Southgate.....	752,933	Feb. 23	4115	917	108	2008
Wedge.....	A. A. Eich.....	759,868	May 17	2595	542	110	617
Wedge.....	C. J. Grellner.....	760,332	May 17	3432	733	110	817
Wedges. Apparatus for sinking cleaving.....	A. Francois.....	774,872	Nov. 15	2627	564	111	621
Weed-cutter and cultivator. Combined.....	L. C. Preston.....	769,532	Sept. 13	1321	285	113	390
Weed-puller.....	T. H. Tregellas.....	774,293	Nov. 8	1465	314	113	346
Weeder.....	T. L. Brown.....	770,958	Sept. 27	3498	737	112	839
Weeder.....	E. Link.....	777,963	Dec. 20	2991	655	113	2105
Weeder and cultivator.....	L. J. and L. U. Ward.....	759,762	May 10	2411	504	110	562
Weeder. Sulky.....	G. B. Davison.....	766,003	Aug. 2	952	200	111	1253
Weeder-tooth.....	E. G. and A. E. Quickel.....	753,312	Mar. 1	178	40	109	41
Weeder. Wheel.....	C. Wear.....	757,796	Apr. 19	3182	691	109	2056
Weeder. Wheel.....	S. Fuller.....	766,081	July 26	4265	912	111	967
Weeding-machine.....	W. D. Lloyd.....	756,135	May 29	5679	1353	109	1307
Wet-fork.....	J. H. Foster.....	760,360	May 24	4542	969	110	1066
Weighing and filling machine.....	W. H. Doble.....	767,394	Aug. 16	2553	537	111	1641
Weighing and packaging machine.....	T. J. Brough.....	749,659	Jan. 12	2258	475	108	524
Weighing and packaging machine.....	W. H. Doble.....	750,830	Feb. 2	88	20, 21	108	1076
Weighing and sorting skeins of yarn. Apparatus for.....	A. Lehoer.....	756,862	Apr. 12	1288	288	109	1634
Weighing apparatus.....	G. Hoepner.....	749,194	Jan. 12	1313	281	108	323
Weighing apparatus.....	F. W. Moldenhauer.....	756,681	Apr. 5	933	204	109	1542
Weighing apparatus.....	U. S. James.....	764,530	July 5	1265	260	111	276
Weighing apparatus.....	T. R. Weyant.....	772,466	Oct. 19	2497	546	112	1537
Weighing apparatus. Automatic.....	W. Northrop.....	748,644	Jan. 5	178	13	108	40
Weighing apparatus. Automatic.....	W. Northrop.....	755,034	Mar. 22	3605	795	109	839
Weighing apparatus. Automatic.....	T. H. Rolfe.....	760,251	May 17	3335	701	110	785
Weighing apparatus. Liquid.....	C. Cooper.....	770,676	Sept. 20	2933	633	112	606
Weighing attachment. Refrigerator.....	W. H. Mitchell.....	765,146	July 12	2513	525	111	562
Weighing device.....	W. Bügler.....	756,308	Apr. 5	25	6	109	1348
Weighing-hopper.....	W. Lindquist.....	761,515	May 31	5675	1245	110	1305
Weighing-machine.....	G. Kley.....	751,301	Feb. 2	995	225	108	1269
Weighing-machine.....	E. H. Cook.....	753,548	Mar. 1	637	144	109	140
Weighing-machine.....	M. Hofmann.....	763,560	June 28	3854	835	110	2338
Weighing-machine.....	C. J. Simeon, T. S. B. Parnall, and W. E. Hipkins.....	769,413	Sept. 6	545	118	112	123
Weighing-machine. Automatic.....	W. Brough.....	749,029	Jan. 5	935	198	108	217
Weighing-machine. Automatic.....	J. F. Clarke.....	749,027	Jan. 5	944	200	108	219
Weighing-machine. Automatic.....	E. T. Pollard.....	756,281	Apr. 5	178	36, 37	109	1382
Weighing-machine. Automatic.....	H. Richardson.....	760,485	May 24	3769	799	110	899
Weighing-machine. Automatic.....	F. M. and J. M. Gaume.....	760,861	May 24	4544	969	110	1066
Weighing-machine. Automatic.....	G. Hoepner.....	761,587	May 31	5953	1277	110	1393
Weighing-machine. Automatic.....	F. A. Boland.....	763,143	June 21	3019	651	110	2134
Weighing-machine. Automatic.....	E. G. Thomas.....	766,004	July 26	4210	899	111	956
Weighing-machine. Automatic.....	A. W. Livingston.....	769,909	Sept. 13	1463	314	112	347
Weighing-machine. Automatic.....	B. Norton.....	771,170	Sept. 27	3916	826	112	929
Weighing-machine. Automatic registering.....	E. Polte.....	774,777	Nov. 15	2423	522	113	578
Weighing machine. Can.....	W. H. Coffelt.....	750,239	Jan. 26	3411	738	108	808
Weighing-machine. Coin-operated.....	G. A. Moore.....	772,426	Oct. 18	2461	540	112	1529
Weighing-machine. Weight-registering.....	H. Fottin and L. M. de Logelère.....	763,203	June 21	3149	677	110	2164
Weighing-machine with sliding weight.....	E. Steiger.....	770,126	Sept. 13	1860	395	112	436
Weighing machines or scales. Automatic testing and recording machine for.....	U. S. James.....	764,192	July 5	559	111	111	124
Weighing mechanism. Automatic.....	A. H. Phillips.....	755,676	July 26	3564	755	111	821
Weighing mechanism for vehicles, &c.....	C. Skidmore.....	767,440	Dec. 13	1910	421	113	1855
Weighing mechanism. Refrigerator.....	A. H. Hoag and J. B. Salo.....	764,353	July 5	913	182	111	201
Weighing-scoop.....	H. H. Fox.....	748,856	Jan. 5	572	180	108	129
Weighing-truck. Automatic.....	W. M. Wade.....	774,008	Nov. 1	947	196	113	216
Weighing-verifier. Coin-controlled.....	A. A. Caille.....	761,144	May 31	5129	1090	110	1209
Weighing wagons, &c. Machine for.....	W. Holzer.....	753,884	Mar. 8	1338	301	109	309

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Weight. Chest-machine	R. Reach	772,906	Oct. 18	3405	739	112	1738
Weight-motor. Rotary	G. P. Kahler	775,008	Nov. 15	2891	618	113	683
Weight-sealing apparatus	C. C. Barr	777,597	Dec. 13	3241	492	113	1936
Weight-testing machine	E. A. Smith	761,614	May 31	6003	1290	110	1404
Welding apparatus	H. Dicke	752,308	Feb. 16	2666	591	108	1670
Welding apparatus	H. Dicke	752,209	Feb. 16	2666	591	108	1670
Welding apparatus	H. Dicke	753,875	Mar. 1	282	64, 65	109	64
Welding apparatus	T. F. Rowland	759,635	May 10	2134	439	110	500
Welding apparatus. Chain-	J. W. Garland	768,219	Aug. 23	4266	897	111	2040
Welding apparatus. Iron and steel.	A. C. Allen	760,600	May 24	3993	848	110	949
Welding apparatus. Ring-	G. W. La Voo	763,363	Aug. 2	443	94	111	1138
Welding clamping device. Electric	A. F. Rietzel	766,288	Aug. 2	307	62	111	1108
Welding compound	R. S. Woodson	755,826	Mar. 29	5194	705	109	1180
Welding Electric	A. F. Rietzel	758,269	Dec. 27	3590	785	113	2250
Welding-machine	G. B. Walker	769,121	Aug. 30	6120	1279	111	2474
Welding machines. Motor for pneumatic flue-	D. S. Cook	778,116	Dec. 20	3283	721	113	2165
Welding mechanism. Lap-tube-	A. M. Saunders	770,419	Sept. 13	1848	392	112	434
Welding Metal-	H. Wachwitz	776,706	Dec. 6	478	113	1333	
Welding or forging metallic rings or links. Machine for	J. Giriot	775,815	Nov. 22	4618	978	113	1093
Welding steel plates, &c., to sheets of aluminum and aluminum-um-plated other metals.	H. Wachwitz	757,582	Apr. 19	3763	109	1965	
Well	F. F. Thul	758,797	May 3	438	87	110	108
Well attachment	M. D. Rochford	767,443	Aug. 16	2650	557	111	1663
Well-boring apparatus	H. W. Clark	772,692	Oct. 18	2982	654	112	1640
Well-boring tool	J. C. Adkins	769,371	Sept. 6	472	105	112	107
Well-brake	M. J. Woodward	761,742	June 7	285	109	1572	
Well casings. Means for sinking oil-	S. J. Wallace	758,751	Apr. 5	1069	238	109	1572
Well-digging apparatus	E. J. Beane	759,412	May 10	1711	347	110	408
Well-drill	T. E. Law	759,723	May 10	2293	476	110	535
Well-drill attachment	C. C. Fox	750,840	Feb. 2	121	28	108	1084
Well-drill. Deep	H. L. Bruner	759,662	May 10	2191	450	110	512
Well-drill. Expandible	S. F. Darling	767,685	Aug. 16	3130	534	111	1770
Well-drill. Hydraulic	J. R. Griffith	774,071	Nov. 1	1067	229	113	241
Well-drill jar	J. O. Jones	764,664	July 12	1589	324	111	363
Well-drills. Crank-movement for.	G. B. Patton	751,199	Feb. 2	774	176	108	1222
Well-drilling cable	W. R. Vanderwerker	755,083	Mar. 22	3694	810	109	966
Well-drilling machine	A. C. Smith	772,065	Oct. 11	1716	383	112	1342
Well-drilling machine	D. W. Saunders	753,319	Mar. 1	188	43, 44	109	44
Well-drilling machine	F. C. Haar	761,958	June 7	680	137	110	1588
Well-drilling machine	H. H. Wilburn	768,824	June 28	4371	950	110	2447
Well-drilling machine	A. T. Wilson	777,462	Dec. 13	1948	430	113	1874
Well heater. Oil-	J. C. Butler	760,804	May 17	3428	723	110	805
Well-jack	W. E. A. Pipher	775,738	Nov. 22	4465	945	113	1061
Well-machine	M. G. Bunnell	763,253	June 21	3239	699	110	2183
Well-machine	M. G. Bunnell	763,254	June 21	3242	700	110	2184
Well-machine	M. G. Bunnell	763,255	June 21	3246	700	110	2185
Well-making machinery. Portable	C. E. Glenn	777,252	Dec. 13	1544	343	113	1785
Well mechanism	M. E. Layne	750,205	Jan. 19	3305	714	108	766
Well packer. Deep-	L. E. Robinson and P. E. Dauben-	764,769	July 12	1789	366	111	408
Well packer. Oil-	C. M. Heeter	754,138	Mar. 8	1823	406	109	418
Well packer. Oil-	H. Smith and W. Wright	755,180	Mar. 22	3861	852	109	894
Well packer. Oil-	J. E. Merritt	772,728	Oct. 18	3055	669	112	1656
Well-point	W. Patterson	767,334	Aug. 9	2262	471	111	1560
Well-point. Drive-	T. L. Decker	767,209	Aug. 9	2217	461	111	1550
Well-point. Driven-	O. Kampfe	757,124	Apr. 12	1819	399	109	1745
Well-screen	G. W. Stancliff	773,843	Oct. 18	3372	714	112	1703
Well-sinking apparatus	M. T. Chapman	769,727	Sept. 13	1121	241	112	271
Well-sinking apparatus	M. T. Chapman	769,728	Sept. 13	1125	242	112	272
Well-sinking apparatus	M. T. Chapman	775,417	Nov. 22	3802	804	113	917
Well stand-pipe connection. Oil-	J. A. Hooper	772,804	Oct. 18	3304	697	112	1688
Well strainer. Drive-	W. H. Broome	753,846	Mar. 8	1269	285	109	294
Well-strainers. Means for cleaning.	C. Shaw	764,684	July 12	1625	332	111	371
Well-tube strainer	W. E. Harmon	776,332	Nov. 23	5748	1216	113	1366
Well tube-support. Oil-	C. Card	759,682	May 24	4181	888	110	988
Well swivel-wrench. Oil-	J. Barrett	751,447	Feb. 9	1230	281	108	1337
Well working barrel	W. W. Sleeman	750,715	Jan. 26	4266	926	108	992
Wells. Apparatus for maintaining a continuous flow of sand-carrying oil from	W. T. Cushing and H. G. Johnston	762,808	June 14	2370	515	110	1971
Wells. Apparatus for promoting flow of oil and gas in	F. Gardner	762,628	June 14	2003	433	110	1892
Wells. Device for extracting rods, &c., from	J. Lisle	760,219	May 17	3279	688	110	771
Wells. Elevating liquids from	T. F. Moran and F. J. Moser	751,323	Feb. 7	1030	234	108	1277
Wells. Fishing-tool for oil or like.	C. A. Sargent	750,481	Jan. 26	3841	834	108	963
Wells. Foot-valve extractor for	R. Titworth	759,407	May 10	1703	345	110	406
Wells from oleaginous obstructions. Apparatus for freeing oil-	J. Yoast	766,313	Aug. 2	355	74	111	1119
Wells. Mechanism for raising liquids from deep.	T. F. Moran and F. J. Moser	760,903	May 24	4631	986	110	1085
Wells. Tool for making deep	C. M. Heeter	769,080	Aug. 30	6032	1264	111	2453
Well-beater	E. Erickson	764,569	July 12	1382	282	111	318
Well-cleaner and blacking-spreader	C. F. Ziegler	756,768	Apr. 5	1097	243	109	1577
Well-cutting machine	S. Y. Stockamore	760,579	May 24	3958	839	110	942

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Welt-feeding machine	G. D. Clapp	749,719	Jan. 19	2392	505	108	570
Welt-making machine	G. E. Rollins	748,794	Jan. 5	446	100	108	100
Wharf-drop	H. D. Van Doorn	749,595	Jan. 12	2136	445	108	500
Wheat or other grain shredder	J. H. Stevenson	753,931	Mar. 8	1443	333	109	332
Wheel:							
See Abrasive wheel.	Pleasure-wheel.						
Advertising-wheel.	Pneumatic power-wheel.						
Automobile steer-	Pneumatic-tired wheel.						
ing-wheel.	Polishing-wheel.						
Barrow-wheel.	Press-wheel.						
Bur-wheel.	Printing-wheel.						
Burnishing-wheel.	Rotatable wheel.						
Car-wheel.	Rubber-tired wheel.						
Caster-wheel.	Rubbing-wheel.						
Clock ratchet-wheel.	Self-adjusting wheel.						
Color-blending	Self-lubricating wheel.						
wheel.	Sheave-wheel.						
Combing-wheel.	Spring-wheel.						
Cushion-tire wheel.	Sprocket-wheel.						
Derrick bull-wheel.	Steering-wheel.						
Double helical spur-	Surfacing-wheel.						
wheel.	Tanning-wheel.						
Driving-wheel.	Traction-wheel.						
Emery-wheel.	Trolley-wheel.						
Engine-wheel.	Truck-wheel.						
Engine drive-wheel.	Turbine-wheel.						
Fifth-wheel.	Turbine bucket-wheel.						
Gear-wheel.	Turbine impulse-wheel.						
Grip-wheel.	Turbine running wheel.						
Guide-wheel.	Vehicle-wheel.						
Hand-wheel.	Vehicle motor wheel.						
Independently ro-	Vehicle or other wheel.						
tating wheel.	Water-wheel.						
Metal wheel.	Wind-wheel.						
Observation-wheel.	Woodwork-polishing						
Fiddle-wheel.	wheel.						
Wheel	J. B. McMullen	748,775	Jan. 5	406	93	108	91
Wheel	W. A. Hoskins	751,075	Feb. 2	539	126	108	1178
Wheel	T. D. Stagg	755,069	Mar. 22	3668	805	109	854
Wheel	J. G. Ranger, Jr.	755,316	Mar. 22	4113	908	109	945
Wheel	R. C. Sayer	756,330	Apr. 5	192	40, 41	109	1385
Wheel	J. Carpenter	756,472	Apr. 5	596	117	109	1462
Wheel	C. H. Bicalky	756,819	Apr. 12	1206	269	109	1618
Wheel	G. W. Lovejoy	760,232	May 17	3282	689	110	772
Wheel	A. J. Robertson	760,348	May 17	3507	738	110	823
Wheel	A. J. Robertson	760,349	May 17	3509	738	110	823
Wheel	C. W. Salisbury	762,946	June 21	2660	576	110	2054
Wheel	C. E. Hequembourg	764,891	July 12	2033	420	111	461
Wheel	C. Heart	765,279	July 19	2753	574	111	633
Wheel	F. P. White	766,302	Aug. 2	331	69	111	1114
Wheel	F. H. Heitger	768,047	Aug. 23	3886	815	111	1954
Wheel	J. H. White	768,889	Aug. 30	5661	1190	111	2371
Wheel	J. S. Stevens	769,361	Sept. 6	448	100	112	99
Wheel	E. S. Lea	771,651	Oct. 4	852	191	112	1141
Wheel	H. March	772,063	Oct. 18	2915	640	112	1625
Wheel	D. P. McQueen	773,966	Nov. 1	864	181	113	198
Wheel	F. J. Fagot	774,315	Nov. 8	1509	313	113	357
Wheel	J. Donovan	778,309	Dec. 27	3662	799	113	2265
Wheel	H. Jones	778,584	Dec. 27	4212	918	113	2383
Wheel and crank fastening	H. L. Fugh	776,985	Dec. 6	956	204	113	1638
Wheel-balancing device	C. J. A. Heise	762,053	June 7	847	174	110	1620
Wheel-block	H. P. Stullken	770,510	Sept. 30	2615	554	112	624
Wheel-boiling device	C. J. Shellenberger	776,268	Nov. 29	5517	1168	113	1313
Wheel-brake. Automatic	R. H. Scott	766,773	Aug. 2	1307	277	111	1331
Wheel construction	H. Neusser	751,678	Feb. 9	1647	374	108	1421
Wheel construction	W. Kirchnan	755,013	Mar. 22	3571	738	109	832
Wheel-fender	W. A. Gilmer	769,796	Sept. 13	1245	268	112	299
Wheel-fender	M. E. de los Monteros	754,331	Mar. 8	2177	483	109	492
Wheel-fender	J. Ortner	766,195	Aug. 2	82	15	111	1059
Wheel-flange. Adjustable	H. Fatic (Reissue)	767,242	Aug. 9	2374	475	111	1508
Wheel-guard	J. B. Howard	753,265	Mar. 1	97	25	109	24
Wheel-guard or fender	D. McCausland	756,392	Apr. 5	406	84	109	1430
Wheel-guide	D. McCausland	756,393	Apr. 5	407	84	109	1430
Wheel-jack. Suspended	C. Haeske	768,157	Aug. 23	4147	872	111	2016
Wheel-raiser	H. Edeline	765,278	July 19	2752	574	111	632
Wheel-rim	J. F. W. Rethmeyer	778,179	Dec. 20	3408	748	113	2191
Wheel-rim-finishing machine	R. S. Bryant	772,209	Oct. 11	2012	443	112	1407
Wheel-rim for hollow tires	N. D. Chard	767,887	Aug. 16	2538	533	111	1637
Wheel rim. Rubber-tired	E. N. Downs	771,538	Oct. 4	838	142	112	1045
Wheel rim. Vehicle	O. L. Pickard	771,445	Oct. 4	448	102	112	1052
Wheel rim. Vehicle	S. Butler	749,840	Jan. 19	2630	562	108	622
Wheel-rims. Machine for bending trough-section/	F. A. Seiberling	765,044	July 12	2328	483	111	523
metallic	S. T. Richardson and R. Price	774,108	Nov. 1	1139	244	113	258
Wheel-rims. Machine for making metallic	W. S. Gorton	751,166	Feb. 2	711	163	108	1210
Wheel sand-band and scraper combined. Vehicle-	I. W. Eddy	760,685	May 24	4187	889	110	990
Wheel-securing device	E. S. Abbott	760,169	May 17	3193	669	110	753
Wheel shoe attachment. Vehicle	W. Cleeland	760,731	May 24	4284	910	110	1011

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Wheel structure. Loose.....	W. L. Austin	770,147	Sept. 13	1897	403	112	444.
Wheel traction-band.....	L. Kniffen	757,471	Apr. 19	2532	553	109	1910
Wheel tread. Traction.....	J. W. Fridmore	757,635	Apr. 19	2872	625	109	1988
Wheel-washer	H. F. Diederich	762,618	June 14	1963	428	110	1887
Wheel-wrench	J. H. Chappell	758,508	Apr. 26	4590	987	109	2287
Wheels, cranks, &c. Fastening for	J. Y. Pugh	773,764	Nov. 22	4518	958	113	1072
Wheels. Device for attachment to	R. E. Browne	762,131	June 7	988	205	110	1651
Wheels. Flexible metal band for traction.....	E. O. Doak	766,330	Aug. 2	386	82	111	1125
Wheels. Manufacturing	T. D. Harris	754,304	Mar. 6	2138	473	109	485
Wheels. Peripheral structure for	F. Pawel	748,880	Jan. 5	620	139	108	139
Wheels. Removable runner for carriage or wagon.....	C. H. Garrison, R. and J. Van der Weit	776,462	Nov. 29	5883	1243	113	1397
Wheels. Slip-preventing device for rubber-tired.....	M. J. Kelly	773,942	Nov. 1	825	173	113	189
Wheelbarrow	G. G. Tieman	732,190	Feb. 16	2627	583	108	1661
Wheelbarrow	T. J. Montgomery	756,262	Apr. 5	138	27	109	1373
Wheelbarrow	J. Ray	772,253	Oct. 11	2110	462	112	1429
Wheelbarrow	C. A. Baker	778,395	Dec. 27	3842	839	113	2304
Wheelbarrow construction	G. G. Tieman	752,725	Feb. 23	3692	823	108	1913
Wheelbarrow-frame	G. B. Cone	758,824	May 3	457	97	110	118
Wheelbarrow-tray	C. B. Rockwood	776,098	Nov. 29	5173	1092	113	1234
Wheelbarrow-wheels. Mold for manufacturing	T. D. Harris	749,556	Jan. 12	2074	431	108	486
Whetstone-case	D. F. Larkin	751,659	Feb. 9	1617	367	108	1420
Whetstone-molding apparatus	N. O. Cameron	770,172	Nov. 29	5337	127	113	1272
Whiffletree	J. Hair	772,233	Oct. 11	2073	453	112	1420
Whiffletree-coupling	M. R. Pring	755,541	Mar. 22	4515	1005	109	1093
Whiffletree-coupling	S. J. Davis	765,820	July 26	3868	824	111	881
Whiffletree-coupling	G. L. Miller	768,476	Aug. 23	4790	1004	111	2161
Whiffletree-hook	G. D. Hayes	752,222	Feb. 16	4628	948	111	1002
Whiffletree-hook	C. B. Jones	753,708	Mar. 1	951	216	109	205
Whiffletree-hook	C. E. Jones	755,882	Mar. 29	5215	1153	109	1207
Whiffletree-hook	E. B. Welles	755,970	Mar. 29	5391	1190	109	1246
Whiffletree-hook	J. J. Moore	763,065	June 21	2875	621	110	2103
Whiffletree-hook	A. R. Otterman	766,114	July 26	4628	948	111	1002
Whiffletree-hook	A. E. Sutton	768,635	Aug. 30	5140	1080	111	2255
Whiffletree-hook	A. D. Tait	771,844	Oct. 11	1232	274	112	1237
Whiffletree-plate	W. F. Stuart	772,587	Oct. 18	2781	612	112	1597
Whiffletrees to cross-bars. Device for attaching	B. H. Kellogg	767,830	Aug. 16	3394	716	111	1827
Whip	M. O. Felker	770,697	Sept. 27	3375	712	112	809
Whip-cracker connection	M. O. Felker	777,336	Dec. 13	1713	379	113	1822
Whip. Drop-top	H. M. Van Deusen	769,516	Sept. 6	744	161	112	169
Whip. Drover's	H. Brown	757,089	Apr. 12	1750	380	109	1731
Whip. Drover's	H. Brown	775,669	Nov. 22	4351	918	113	1036
Whip holder and stretcher	J. A. Weaver	755,555	Mar. 22	4540	1011	109	1039
Whip-making machine	H. W. Larsen	770,813	Sept. 27	3215	678	112	775
Whip-sections. Means for uniting	M. O. Felker	765,826	July 26	3877	825	111	883
Whip-socket and rein-holder. Combined	I. D. Cady	777,240	Dec. 13	1525	338	113	1780
Whip-socket and rein-holder. Combined	G. E. Krong	778,682	Dec. 27	4389	959	113	2423
Whip-socket. Locking	A. Neilson	777,484	Dec. 13	1997	442	113	1885
Whip-stock loop connection	M. O. Felker	765,824	July 26	3875	823	111	883
Whipping device. Draft-animal	J. Bronner	766,136	July 26	4474	958	111	1013
Whirler	G. W. Hinton	763,487	June 28	3720	802	110	2309
Whisky, gin, &c. Manufacture of	J. M. Sanguinetti	757,352	Apr. 12	2279	509	109	1844
Whist tallying-sheet	E. Bach	768,808	May 3	433	90	110	111
Whistle	F. L. Johnson	754,344	Mar. 21	2152	477	109	487
Whistle. Automatic steam	H. A. Ewald	766,334	Aug. 2	390	83	111	1126
Whistle-operating mechanism. Automatic	O. C. Fisher	759,257	May 10	1394	279	110	338
Whistle. Steam	I. Anderson and R. Ayres	766,129	July 26	4456	955	111	1009
Wick. Lamp	J. A. Mosher	752,575	Feb. 16	3376	753	108	1827
Wick. Lamp	A. H. Nelson	753,299	Mar. 1	158	36	109	37
Wick. Lamp	G. E. James	765,976	July 26	4153	887	111	945
Wick-trimmer	J. F. Fresnell	751,339	Feb. 2	1054	239	108	1282
Wickerwork-making machine	A. Pohorzeleck	773,417	Oct. 25	4618	975	112	2023
Willow	C. Schofield	751,948	Feb. 9	2181	492	108	1543
Willow	C. Schofield	759,362	May 10	1617	326	110	386
Willow	C. Schofield	772,851	Oct. 18	3247	709	112	1697
Winch. Combined hand and motive power	C. E. Ellicott and J. B. Norris	749,279	Jan. 12	1496	319	108	360
Winch. Portable electric	J. Heywood	773,867	Nov. 1	660	140	113	152
Wind-direction and wind-velocity indicating apparatus	G. A. Owen	764,759	July 12	1771	362	111	403
Wind-engine	C. F. Blacketter	755,101	Mar. 22	3718	816	109	865
Wind instrument	C. Wadsworth, Jr	750,919	Feb. 2	262	61	108	1115
Wind-instrument mouthpiece	T. Hennessey	763,603	Aug. 30	5077	1066	111	2242
Wind-motor	D. Phronimos	756,278	Apr. 5	170	84	109	1380
Wind-motor	J. J. Williams	757,800	Apr. 19	3187	693	109	2068
Wind-motor	J. H. Ravelli	763,795	June 28	4313	937	110	2435
Wind-motor	J. J. Fischer	764,571	July 12	1385	282	111	319
Wind-motor	A. Wedrick	775,877	Nov. 22	4732	1002	113	1116
Wind or water motor	W. B. Nance	763,623	June 28	3955	860	110	2358
Wind-wheel	A. M. Cox	750,611	Jan. 26	4081	884	108	952
Wind-wheel	C. H. Smith	770,327	Sept. 20	2289	480	112	553
Wind-wheel	E. Pavón y Moraleda	773,976	Nov. 1	882	186	113	203
Wind-wheel and carousel. Combined	J. S. Smith	768,084	Aug. 23	3992	849	111	1982
Wind-wheel regulator	F. T. Jacobs	769,088	Aug. 30	6049	1256	111	2458
Windmill	J. Stanley	748,998	Jan. 5	873	187	108	202
Windmill	G. P. Rasck	749,095	Jan. 5	1098	232	108	252
Windmill	E. Rue	749,806	Jan. 19	2563	545	108	608

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Windmill	C. O. Sylvester	752,126	Feb. 16	2517	560	108	1636
Windmill	L. Dunne	752,764	Feb. 23	3754	838	108	1927
Windmill	C. A. Wright	753,460	Mar. 1	447	106	109	98
Windmill	W. A. Butler	753,541	Mar. 1	625	142	109	137
Windmill	C. H. Mikkelsen	754,477	Mar. 15	2552	555	109	594
Windmill	B. S. Hyatt	755,497	Mar. 22	4438	986	109	1016
Windmill	J. D. Johnson	756,372	Apr. 5	373	76	109	1423
Windmill	A. Fornander	756,912	Apr. 5	807	174	109	1513
Windmill	C. J. Jones	757,044	Apr. 12	1671	362	109	1714
Windmill	W. P. Brett	758,296	Apr. 26	4168	899	109	2289
Windmill	J. E. Fillman and W. Davis	762,159	June 7	1039	213	110	1664
Windmill	J. L. Joyce	762,315	June 14	1356	291	110	1754
Windmill	J. W. Currie	764,920	July 12	2102	435	111	477
Windmill	J. F. Hughes	765,010	July 12	2290	467	111	510
Windmill	L. W. Noyes	765,036	July 12	2306	479	111	519
Windmill	W. J. Clemson	766,219	Aug. 2	136	26, 27	111	1070
Windmill	J. J. McLean	766,648	Aug. 2	1037	217	111	1271
Windmill	W. P. Brett	766,662	Aug. 2	1073	218	111	1279
Windmill	R. H. Phillips	767,080	Aug. 9	1948	406	111	1494
Windmill	M. B. Church	768,038	Aug. 23	3854	807	111	1947
Windmill	H. S. Simpson	769,190	Sept. 6	102	25	112	24
Windmill	T. O. Perry	772,052	Oct. 11	1687	376	112	1335
Windmill	W. P. Clifford	772,786	Oct. 18	3172	377	112	1680
Windmill	J. and G. Kucera	773,020	Oct. 25	3629	784	112	1799
Windmill	F. J. Keppler	773,752	Nov. 1	417	92	113	99
Windmill	A. Fornander	774,168	Nov. 8	1241	265	113	297
Windmill	E. E. Gould	776,019	Nov. 29	5047	1065	113	1206
Windmill	D. A. Fletcher and M. J. Frambach	776,781	Dec. 6	628	138	113	1564
Windmill attachment	R. Balgemann	768,087	June 21	2811	610	110	2088
Windmill-coupling	W. H. Nichols	760,473	May 24	3750	794	110	894
Windmill-lubricator	H. H. Tatsch	772,187	Oct. 11	1963	434	112	1394
Windmill-pitman and means for its automatic lubrication	W. P. Brett	756,775	Apr. 5	1109	245	109	1580
Windmill-pitman and means for its automatic lubrication	W. P. Brett	763,360	June 28	3474	750	110	2256
Windmill-regulator	G. M. Agee	759,491	May 10	1860	374	110	442
Windmill-regulator	C. E. Piepmeier	761,627	July 12	1503	307	111	345
Windmill-regulator. Automatic	A. P. Hoelsy	767,562	Aug. 16	3898	606	111	1720
Windmill-rods to pump-rods. Pin for attaching	W. Hartz	768,412	Dec. 27	3867	846	111	1484
Windmill-swivel	S. E. and S. W. Burke	761,143	May 31	5127	1089	110	1209
Winder. Bobbin	C. Schwartz	753,398	Mar. 22	4275	944	109	983
Winding	A. J. Strong	751,816	Feb. 9	1922	486	108	1485
Winding and rewinding mechanism	O. F. Hintz	763,058	June 21	2864	619	110	2100
Winding and rewinding mechanism	F. W. Draper	764,951	July 12	2135	441	111	484
Winding-indicator	A. Sperling	766,955	Dec. 6	988	213	113	1645
Winding-machine	C. H. Knapp	748,750	Jan. 5	367	82	108	81
Winding-machine	J. P. Cronin	759,595	May 10	2052	420	110	482
Winding-machine	S. W. Wardwell	760,669	May 24	4150	882	110	981
Winding-machine	J. F. Middleton	766,370	Aug. 2	452	97	111	1139
Winding machine. Ball	P. Ryan	762,090	June 7	913	189	110	1635
Winding machine. Cop	J. H. Bentley and W. Gregory	772,008	Oct. 18	2804	617	112	1602
Winding machine. Cop	W. E. Hooper	777,101	Dec. 18	1275	281	113	1727
Winding-machine stop-motion	T. Cooper	756,001	Mar. 29	5452	1303	109	1260
Winding machine. Yarn	H. S. Golland	750,964	Feb. 2	344	82	108	1364
Winding machine. Yarn	L. O. Goodwin	756,014	Mar. 29	5472	1207	109	1264
Winding machine. Yarn or thread	J. King	759,721	May 10	2289	474	110	534
Winding mechanism. Fabric-machine	V. Hoxie	766,621	Aug. 2	986	275	111	1260
Winding or hoisting drum	H. F. James	757,622	Apr. 19	2851	621	109	1984
Winding-reel	A. E. Smith	771,280	Oct. 4	116	26	112	987
Winding silk, cotton, or other materials on wire. Device for	C. Feising, Jr.	767,267	Aug. 9	2312	484	111	1571
Windlass	G. W. Menefee	757,668	Apr. 19	2932	637	109	2001
Windlass	O. L. Larson	762,918	June 21	2606	564	110	2043
Windlass. Ship's	J. Hansen	749,188	Jan. 12	1296	279	108	817
Window	O. Frotscher	749,608	Jan. 12	2154	451	108	504
Window	H. C. Nelson	751,747	Feb. 9	1284	407	108	1495
Window	G. Kabureck	753,579	Mar. 1	701	157	109	154
Window	H. E. Brown	753,665	Mar. 1	859	195	109	186
Window	O. E. Claus	754,425	Mar. 15	2430	531	109	567
Window	H. E. Essig	756,825	Mar. 29	5461	1205	109	1262
Window	J. Frye	757,865	Apr. 19	3803	716	109	2962
Window	B. J. Hausfeld and E. H. Lunken	760,624	May 24	4044	860	110	960
Window	B. J. Hausfeld and E. H. Lunken	760,625	May 24	4048	861	110	961
Window	O. Frotscher	762,896	June 21	2556	552	110	2031
Window	H. E. Brown	765,810	July 26	3849	820	111	877
Window	C. E. Gale	765,828	July 26	3880	826	111	884

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Window.....	R. H. Wunder.....	765,949	July 26	4094	875	111	931
Window.....	J. N. Scherner.....	767,172	Aug. 9	2148	446	111	1535
Window.....	O. M. Edwards.....	768,995	Aug. 30	5749	1308	111	2938
Window.....	O. M. Edwards.....	771,133	Sept. 27	3839	811	112	913
Window.....	S. Ragona.....	772,580	Oct. 18	2769	610	112	1595
Window.....	W. B. Culver.....	775,532	Nov. 22	4014	847	113	963
Window.....	A. G. Steinbrenner.....	775,866	Nov. 22	4716	998	113	1112
Window.....	H. C. George.....	776,177	Nov. 29	5343	1190	113	1274
Window.....	E. C. Luks.....	776,477	Nov. 29	5917	1248	113	1405
Window.....	L. A. Brennenstuhl and M. Sulkin.....	776,731	Dec. 6	505	111	113	1538
Window.....	C. Baier.....	776,983	Dec. 6	1041	224	113	1658
Window.....	F. J. and H. G. Carl.....	778,565	Dec. 27	4172	910	113	2574
Window-adjusting device.....	A. F. Enquist.....	753,479	Mar. 1	479	112	109	105
Window. Antihot-radiating.....	F. Voigtmann and S. H. Pomeroy.....	758,765	Mar. 1	1052	240	109	226
Window attachment.....	L. K. Böhm.....	758,348	Apr. 26	4281	920	109	2315
Window-casement stay.....	C. J. Fooks.....	762,296	June 14	1325	283	110	1748
Window-casing. Shop.....	J. W. Crofts.....	769,647	Sept. 6	365	209	112	320
Window-chair.....	L. W. Niendorf.....	759,629	May 10	2123	436	110	498
Window-cleaner.....	J. C. G. Fritz.....	756,229	Apr. 5	74	16	109	1358
Window-cleaner.....	H. A. Hayden.....	765,314	July 19	2825	588	111	648
Window-cleaner.....	F. H. Curtis.....	770,453	Sept. 30	2497	530	112	507
Window-cleaner.....	A. J. Page.....	774,227	Nov. 8	365	209	112	320
Window-cleaner and polisher.....	C. C. Page.....	774,601	Nov. 8	2036	445	113	469
Window-cleaner or the like.....	H. A. Hayden.....	763,888	June 28	4483	977	110	2472
Window-cleaning chair.....	H. Harrison.....	764,463	July 5	1130	231	111	249
Window-cleaning device.....	C. Levy.....	767,650	Aug. 16	3069	641	111	1758
Window-closer.....	H. C. Smith.....	775,046	Nov. 15	2964	633	113	700
Window-closer. Automatic.....	H. C. Smith and B. C. Stickney.....	774,854	Nov. 15	2583	555	113	609
Window-closer. Automatic.....	H. C. Smith.....	774,855	Nov. 15	2589	556	113	612
Window-closer. Automatic.....	H. C. Smith.....	775,547	Nov. 22	4092	861	113	979
Window-closer. Automatic.....	H. C. Smith.....	776,559	Dec. 6	179	41	113	1466
Window construction.....	B. J. Hausfeld and E. H. Lunken.....	760,626	May 24	4055	862	110	963
Window construction.....	B. J. Hausfeld and E. H. Lunken.....	763,484	June 28	3715	863	110	2308
Window construction.....	E. H. Lunken.....	763,496	June 28	3735	805	110	2312
Window construction.....	E. H. Lunken.....	769,803	Sept. 13	1259	370	112	302
Window construction.....	E. H. Lunken.....	773,330	Oct. 25	4422	938	112	1981
Window construction.....	E. H. Lunken.....	778,456	Dec. 27	3973	864	113	2332
Window controller and lock.....	G. McDowell.....	769,007	Aug. 30	5865	1236	111	2425
Window, &c., fastener.....	J. A. Belk.....	762,376	June 14	1474	321	110	1778
Window-frame.....	T. F. Ware.....	755,419	Mar. 22	4307	953	109	989
Window-frame.....	N. E. Parish.....	762,651	June 14	2046	443	110	1902
Window-frame.....	H. T. Whitenack.....	763,294	June 21	3210	691	110	2177
Window-frame.....	H. L. Hoyer.....	763,287	June 21	3303	715	110	2196
Window frame and sash.....	A. K. Lovell.....	753,893	Mar. 8	1355	305	109	312
Window frame and sash.....	G. Wahlstrom.....	761,733	June 7	219	42	110	1486
Window frame and sash.....	A. Rasner.....	765,857	July 26	3932	839	111	855
Window frame and sash.....	F. A. Winsow.....	766,860	Aug. 9	1516	317	111	1396
Window frame and sash. Metal.....	J. A. Knisely.....	749,201	Jan. 12	1331	285	108	327
Window frame and sash. Metallic.....	J. Bogenberger.....	773,668	Nov. 22	4349	917	113	1035
Window-frame. Metal.....	H. C. Smith.....	755,585	Mar. 22	4591	1022	109	1050
Window frame or sash.....	H. Romänder.....	753,315	Mar. 1	181	41	109	42
Window-frames. Means for securing screen or storm sashes to.....	C. Faust.....	769,259	Sept. 6	240	55, 56	112	52
Window. Horizontally-pivoted.....	J. E. McGinness.....	760,140	May 17	3129	655	110	738
Window. Horizontally-pivoted.....	H. B. Hiteshew.....	762,634	June 14	2016	486	110	1895
Window. Horizontally-pivoted.....	H. E. Essig.....	763,471	June 28	3695	797	110	2304
Window. Horizontally-pivoted.....	H. B. Hiteshew.....	764,190	July 5	556	110	111	123
Window-lock.....	W. Dzink.....	749,041	Jan. 5	981	207	108	229
Window-lock.....	T. H. Landers and W. N. Jackson.....	730,384	May 10	1649	334	110	1492
Window-lock.....	A. Zwiobel, Sr.....	761,747	June 7	242	47	110	1492
Window-lock.....	W. E. Conner.....	762,616	June 14	1980	427	110	1886
Window-lock.....	J. T. Myers.....	762,648	June 14	2043	442	110	1901
Window-lock.....	B. Phelps.....	769,767	Sept. 13	1196	258	112	238
Window-lock and burglar-alarm.....	W. J. Hill.....	753,774	Feb. 23	3770	841	108	1930
Window-lock.....	J. A. Knisely.....	751,521	Feb. 9	1356	309	108	1306
Window. Metallic sliding.....	C. E. Erickson.....	775,915	Nov. 29	4818	1021	113	1153
Window-opener.....	J. C. Zutt.....	767,470	Aug. 16	2711	569	111	1677
Window opening or shutting appliance.....	K. Rödelstab.....	770,315	Sept. 30	2261	473	112	546
Window or door fastener.....	C. D. Lovelace.....	773,186	Nov. 15	3390	687	111	768
Window or door screen.....	E. Christen.....	768,514	Aug. 23	4862	1019	111	2177
Window or sash fastener.....	S. S. Bell.....	778,000	Dec. 30	3065	674	113	2119
Window parting-strip.....	C. W. Wright.....	748,905	Jan. 5	669	148	108	150
Window. Prismatic.....	G. K. Cummings.....	767,799	Aug. 16	3334	705	111	1817
Window-protector.....	F. O. Carlson.....	768,853	June 28	4421	238	110	2483
Window. Revolvable.....	E. C. Somers.....	749,109	Jan. 5	1125	239	108	260
Window. Revolving metallic.....	L. Christenson.....	751,379	Feb. 2	1122	254	108	1296
Window-screen.....	C. D. Cutts.....	750,966	Jan. 26	3498	741	108	813
Window-screen.....	W. R. Cochran, Jr.....	753,298	Mar. 1	46	12	109	13
Window-screen.....	W. A. Cassidy.....	753,544	Mar. 1	630	143	109	138
Window-screen.....	L. Goetz.....	755,294	Mar. 22	4064	901	109	937
Window-screen.....	M. G. Van Auken and J. J. Miller.....	756,085	Mar. 29	5602	1237	109	1291
Window-screen.....	G. H. Stout and L. A. Turner.....	757,688	Apr. 19	3971	646	109	2010
Window-screen.....	T. A. Foust and W. A. Hunter.....	760,390	May 17	3581	755	110	839

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. g.	Vol.	Page.
Window-screen	G. H. Stout and L. A. Turner	761,791	June 7	362	74	110	1520
Window-screen	H. F. Chreitzberg	763,261	June 21	3256	702	110	2187
Window-screen	W. E. Ellis	764,440	July 5	1091	223	111	242
Window-screen	G. Du Temple	765,615	July 19	3418	721	111	77
Window-screen	F. B. Howe	765,620	July 19	3429	723	111	777
Window-screen	C. H. Comstock	766,597	Aug. 2	938	197	111	1250
Window-screen	H. W. Peightal	767,433	Aug. 16	2637	555	111	1661
Window-screen	C. G. Woods	768,416	Aug. 23	4681	981	111	2139
Window-screen	C. G. Woods	768,417	Aug. 23	4682	981	111	2139
Window-screen	S. D. T. Manning	769,096	Aug. 30	6068	1269	111	2462
Window-screen	D. W. Wadsworth	773,387	Dec. 27	3823	835	113	2300
Window-screen	A. H. Mix and W. H. N. Maynard	778,423	Dec. 27	3903	850	113	2318
Window-screen	H. A. Way and H. E. Southworth	778,519	Dec. 27	4089	891	113	2358
Window-screen. Adjustable	M. Kolf	755,676	Mar. 29	4784	1064	109	1108
Window-screen. Adjustable	W. B. Phillips	777,863	Dec. 20	2781	610	113	2064
Window screen and guard	A. Johnston	766,262	Aug. 2	253	49	111	1096
Window screen and sash. Adjustable	H. H. Kerckhoff	767,896	Aug. 16	3530	747	111	1858
Window-screen corner-clamp	B. C. Rockwell	770,780	Sept. 27	3132	664	112	756
Window-screen. Extension	G. W. Rockwell	758,021	Apr. 19	3612	781	109	2151
Window-screen hanger	E. G. Rust	772,001	Oct. 11	1571	352	112	1306
Window-screen-holding device	W. H. Fishburn	759,842	May 10	2540	532	110	390
Window-screen. Metal	S. W. Benson	749,715	Jan. 19	2380	503	108	508
Window-screen or awning holder.	W. Y. Wolf	772,306	Oct. 11	3206	482	112	1451
Window-screen. Roller	J. E. Buehler	759,664	May 10	2194	451	110	513
Window. Self-closing	H. C. Stetson	772,560	Oct. 11	2119	464	113	1431
Window. Sheet-metal revolving	J. T. Leonard	755,232	Mar. 23	3552	872	109	913
Window. Show-case	F. J. Osus	774,268	Nov. 8	1420	303	113	337
Window-sill protecting-plate	W. A. Pratz	751,008	Feb. 2	419	90	108	1150
Window. Sliding and swinging sash.	E. H. Ullner	772,680	Oct. 18	2968	651	112	1637
Window-spring	C. E. Avery	774,463	Nov. 8	1771	382	113	412
Window-stop	W. F. Shaw	764,310	July 5	798	163	111	176
Window-strip	H. D. Aupke	763,240	June 21	3218	693	110	2179
Window support and lock	G. E. Knowlton	755,780	Mar. 29	5018	1116	109	1180
Window. Teller's	E. Liberty	774,190	Nov. 8	1281	272	113	306
Window ventilating-lock	H. B. Ives	766,357	Aug. 2	434	82	111	1136
Window-ventilator	H. C. Kidwell	757,201	Apr. 12	1974	430	109	1781
Window-ventilator	G. S. Myrick	763,106	June 21	2951	636	110	2118
Window-ventilator	D. Schafer	769,570	Sept. 6	837	170	112	149
Window-ventilator	A. U. Chase	775,738	Nov. 22	4587	972	113	1086
Window ventilator. Storm	P. G. Webber	778,100	Dec. 20	3363	738	113	2184
Window. Vertically-pivoted	J. E. McGinness	764,955	July 12	2170	450	111	492
Window-washer	W. H. Kidder	772,716	Oct. 18	3035	665	112	1652
Window-weight	J. W. Bryant	755,107	Mar. 22	3727	818	109	868
Window-weight	J. M. Wishart	765,646	July 19	3426	736	111	739
Window with sliding sashes	P. Kupelwieser	777,347	Dec. 13	1737	385	113	1827
Window attachment	J. W. Anderson	749,512	Jan. 12	1995	414	108	466
Windower	H. M., L. A., and J. A. Mueller	756,041	Mar. 29	5321	1217	109	1273
Wire, &c. Concentrating	E. Monti	761,387	May 31	5612	1191	110	1316
Wire article	P. J. Shrum and K. J. Hendricks	750,503	Feb. 2	237	53	108	1110
Wire attachment. Earth or ground	J. J. O'Connell	762,341	June 14	1408	304	110	1764
Wire-bending machine	J. A. Sanford	760,490	May 24	3732	801	110	902
Wire-clamp	R. L. Sehon	751,332	Feb. 2	1079	244	108	1287
Wire-clamping device	G. L. Hoxie	755,006	Mar. 22	3550	780	109	829
Wire-cloth. Loom for weaving	W. McGee and A. Donald	761,984	June 7	730	149	110	1598
Wire-coil envelop	H. C. Boyle and J. Maum	777,395	Dec. 13	1829	404	113	1848
Wire-connection. Feed	G. L. Osborn	748,716	Jan. 5	305	68	108	67
Wire-connector	J. S. Ford	762,840	June 14	2449	531	110	1884
Wire. Covering	J. C. Anderson	756,363	Jan. 26	4000	865	108	934
Wire-covering machine. Flat	J. C. Anderson	748,911	Jan. 5	680	150	108	153
Wire-covering mechanism	H. Janssen	771,780	Oct. 4	1095	246	112	1193
Wire-cutter and pliers. Combined	J. W. Calhoun	777,511	Dec. 13	2052	451	113	1895
Wire-drawing apparatus	W. D. De Lamarier and J. A. Macdonald	775,009	Nov. 22	4406	930	113	1047
Wire-drawing appliance	D. Henderson	768,602	Aug. 30	5076	1065	111	2242
Wire-drawing die	R. Krause	776,072	Nov. 29	5141	1086	113	1228
Wire-drawing machine	D. J. McMahon	757,671	Apr. 19	2938	638	109	2003
Wire-drawing machine	E. H. Carroll	770,044	Sept. 13	1720	364	112	406
Wire fabric	T. Sutherland	757,244	Apr. 12	2050	447	109	1796
Wire fabric	L. M. Brock	757,354	Apr. 12	2066	451	109	1800
Wire-fabric loom	J. W. Snedeker	755,719	Mar. 29	4578	1085	109	1131
Wire fabric. Woven	C. A. Fisher	771,866	Oct. 11	1283	288	112	1248
Wire fabrics. Loom for weaving	F. Johnson	757,121	Apr. 12	1813	397	109	1743
Wire-fastener	J. E. Waters	767,855	Aug. 16	3456	731	111	1841
Wire grating	J. M. Wolfe	772,424	Oct. 18	2459	539	112	1528
Wire-grip	J. F. Leslie	776,579	Dec. 6	845	181	113	1612
Wire-loom	I. J. Neracher	758,251	Apr. 5	114	24	109	1395
Wire. Making compound ingots for seamless gold-plated	W. A. Low, Jr	751,546	Feb. 9	1401	320	108	1365
Wire-making machinery	J. A. Horton	776,859	Dec. 6	802	174	113	1603
		778,041	Dec. 20	3137	690	113	2135

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr-g	Vol.	Page.
Wire. Making steel.	J. A. Horton.	773,012	Oct. 25	3513	782	112	1796
Wire. Manufacture of iron or steel.	F. Forsberg.	769,603	Sept. 6	890	192	112	201
Wire-netting. Machine for making.	F. Johanson.	770,722	Sept. 20	3015	641	112	712
Wire onto spools or shuttles. Apparatus for winding.	G. H. Berthelot.	761,283	May 31	5399	1149	110	1268
Wire or cable stretcher.	M. Huether and O. F. Olson.	752,621	Feb. 16	3488	777	108	1851
Wire receptacles. Apparatus for making reticulated or open-work.	C. Azary.	752,748	Feb. 23	3728	831	108	1921
Wire-reel for machines for inserting fastenings.	L. A. Casgrain.	765,650	July 19	3494	737	111	791
Wire reels. Automatic mechanism for barbed.	H. M. Cosey.	777,943	Dec. 20	2728	601	113	2054
Wire-reeler.	K. K. Lerol, Jr.	765,089	July 12	2416	503	111	541
Wire-reeling apparatus.	C. L. Packer.	764,006	Mar. 8	1574	351	109	363
Wire-reeling apparatus.	B. F. Reichenberger.	766,532	Aug. 2	170	163	111	1209
Wire-reeling machine.	T. Nighbert.	764,336	Mar. 8	2182	486	109	485
Wire-rod-cleaning machine.	J. S. Ferguson.	764,200	Mar. 28	3837	436	109	483
Wire-rope clamp.	L. J. Couch.	756,158	Mar. 29	5724	1264	109	1317
Wire-rope cutter.	M. T. Wolf.	756,760	Apr. 5	1083	240	109	1574
Wire-straightener.	J. A. Gregersen.	760,406	May 17	3609	1761	110	846
Wire-stretcher.	C. Bush.	748,697	Jan. 5	279		108	62
Wire-stretcher.	W. B. Shotwell.	749,635	Jan. 12	2208	466	108	514
Wire-stretcher.	D. M. Fry.	750,273	Jan. 26	3445	743	108	816
Wire-stretcher.	I. M. Warner.	750,417	Jan. 26	3702	808	108	875
Wire-stretcher.	S. Beckworth and H. F. Wulstein.	752,948	Feb. 23	4151	924	108	2015
Wire-stretcher.	J. W. Montgomery.	756,389	Apr. 5	491	82	109	1429
Wire-stretcher.	P. O. Daughters.	757,893	Apr. 19	3361	726	109	2095
Wire-stretcher.	C. W. Epperson.	758,633	May 3	56	11	110	17
Wire-stretcher.	D. S. Durall.	759,974	May 17	2796	585	110	663
Wire-stretcher.	W. R. Lott.	762,327	June 14	1380	298	110	1759
Wire-stretcher.	K. R. Ferguson and L. N. Prevost.	763,549	June 28	3432	748	111	1859
Wire-stretcher.	C. Adkins.	764,408	July 5	1021	208	111	227
Wire-stretcher.	M. Turnbull.	765,523	July 19	3254	682	111	740
Wire-stretcher.	H. L. Ferris.	767,336	Aug. 9	2433	511	111	1597
Wire-stretcher.	G. H. Mielke.	767,587	Aug. 16	2946	617	111	1731
Wire-stretcher.	J. H. Ladd.	767,897	Aug. 16	3332	748	111	1859
Wire-stretcher.	W. M. Taylor and W. Holle.	768,160	Aug. 23	4152	874	111	2017
Wire-stretcher.	I. M. Warner.	768,252	Aug. 23	4331	911	111	2055
Wire-stretcher.	A. A. Smith.	769,027	Aug. 30	5040	1244	111	2435
Wire-stretcher.	W. V. Potter.	769,404	Sept. 6	324	115	112	118
Wire-stretcher.	N. L. Hathorn.	769,651	Sept. 6	972	211	112	1221
Wire-stretcher.	N. H. Sturgis.	769,878	Sept. 13	1411	301	112	337
Wire-stretcher.	D. Donald.	770,227	Sept. 13	2056	433	112	478
Wire-stretcher.	O. C. A. Schwen.	771,099	Sept. 27	3771	795	112	898
Wire-stretcher.	E. Denison.	772,556	Oct. 18	2719	596	112	1584
Wire-stretcher.	W. G. Batson.	772,915	Oct. 25	3492	745	112	1737
Wire-stretcher.	H. L. Ferris.	775,089	Nov. 15	3041	646	113	719
Wire-stretcher.	P. Epperson.	775,469	Nov. 22	3914	837	113	941
Wire-stretcher.	F. N. Renfrow.	775,936	Nov. 29	4832	1028	113	1161
Wire stretcher and splicer.	G. F. Moyers.	765,190	July 19	2593	542	111	567
Wire stretcher, clamp, and splicer.	H. Raines.	776,987	Aug. 2	321	113	113	1639
Wire-stretcher clamping device.	J. A. Clements.	766,423	Aug. 2	537	118	111	1162
Wire-stretching implement.	I. Smith.	772,749	Oct. 18	3111	678	112	1667
Wire-support.	C. F. Bettmann and J. Zapp.	770,999	Sept. 27	3569	732	112	855
Wire-tightener.	C. A. Willmarth.	758,729	May 3	297	55	110	76
Wire-tightener.	J. D. Braun.	761,871	June 7	627	104	110	1538
Wire-tightener.	T. J. Corrigan.	762,691	June 14	2133	465	110	1921
Wire-tightener.	J. Riley.	769,714	Sept. 13	1106	237	112	268
Wire-tightener.	W. C. Julian.	770,908	Sept. 27	3394	716	112	814
Wire-tightener.	B. Henry.	776,512	Dec. 6	72	18	113	1440
Wire-twister.	K. K. Lerol, Jr.	775,143	Nov. 15	3171	674	113	747
Wire twister and splicer.	L. W. Simpson.	766,148	Mar. 29	5711	1260	109	1314
Wire. Vehicle attachment for taking up and distributing.	J. S. Brandon.	763,340	June 21	3395	738	110	2317
Wire-weaving device.	E. C. Wood and F. A. Henbest.	761,805	June 7	330	79,80	109	1326
Wire-weaving loom.	R. E. Bliss.	775,888	Nov. 22	4754	1007	113	1121
Wire-weaving-machine collar.	W. Bills.	764,116	Mar. 8	1791	399	109	412
Wire-winding tool.	M. E. Layne.	750,206	Jan. 19	3306	714	108	766
Wire with rubber, &c. Machine for covering.	C. Felsing, Jr.	767,268	Aug. 9	2315	485	111	1573
Wire-working implement.	J. Hamel and A. Hardy.	777,412	Dec. 13	1855	409	113	1853
Wire-working machine.	T. S. Haley.	749,730	Jan. 19	2418	513	108	575
Wire-working machinery.	J. C. Tweed.	758,731	May 3	275	55	110	71
Wire-working tool.	B. B. Feltus.	750,630	Jan. 26	4108	889	108	958
Wire-working tool.	J. V. Dodd.	758,389	May 3	297	55	110	120
Wire-working tool.	J. Rossi.	769,023	Aug. 30	5933	1243	111	2434
Wire-working tool.	N. J. Tate.	769,879	Sept. 13	1413	301	112	337
Wire-working tool.	A. M. McLeran.	777,350	Dec. 13	1743	387	113	1828
Wire-working tool. Combination.	A. M. McLeran.	777,126	Dec. 13	1330	294	113	1738
Wires. Combined guide and guard for overfeed.	A. M. Zellers.	764,529	Mar. 15	2054	576	109	616
Wires. Die for tying intersecting.	J. J. Morse.	772,159	Oct. 11	1932	428	112	1387
Wires. Dies for joining intersecting.	W. H. Shierston.	774,609	Nov. 8	2050	448	113	472
Wires. Dies for joining intersecting.	O. S. Sturtevant.	755,961	Mar. 29	5382	1188	109	1244
Wires. Dies for tying intersecting.	O. S. Sturtevant.	755,185	Mar. 22	3699	854	109	866
Wires in sleeves. Tool for inserting.	H. Beaudette.	768,974	Aug. 30	5894	1285	111	2411
Wires together. Locking.	S. C. Shaw.	765,237	July 19	2708	564	111	622
Wires. Waterproof entrance-bushing for.	W. B. Hopkins.	768,993	Aug. 30	5870	1231	111	2419
Wiring-machine.	H. H. Hull.	776,592	Dec. 6	244	54,55	113	1483
Wiring system. House.	J. W. A. Richardson.	765,904	July 26	4014	856	111	914
Wireless transmission. Peaked-wave.	D. M. Moore.	755,305	Mar. 22	4093	904	109	940
Wolf-trap.	J. W. Sprague.	754,511	Mar. 15	2625	509	109	610
Wood and its product. Treating.	J. H. Stewart.	764,872	July 12	1995	412	111	453

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Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr'g.	Vol.	Page.
Wood and preparing same. Preserved	I. P. Lihme	756,173	Mar. 29	5749	1270	109	1322
Wood and the product thereof. Preparing	M. Lichtenberger	754,782	Mar. 15	3142		109	721
Wood and vulcanizing same. Vulcanized	W. Powell	753,240	Mar. 22	3970		109	917
Wood-bending machine	L. G. Schmidt and A. T. McDonald	753,092	June 7	1660	190	110	1037
Wood-boring apparatus	C. Kleinschmidt	773,043	Oct. 11	1868	873	112	1331
Wood-carbonizer	F. M. Perkins	749,091	Jan. 5	1091	230	108	251
Wood-carrier	C. C. Ekholm	758,535	Dec. 27	4112	896	113	2363
Wood-cutting machine. Automatic	F. J. Widman	770,839	Sept. 27	3267	689	112	786
Wood-cutting machine	A. A. Bartlett	758,042	Apr. 26	3665	798	109	2182
Wood. Deriving products from	C. M. Dobson	774,135	Nov. 1	1180	252	113	267
Wood filling and cleaning composition	C. H. Humphrey	771,984	Oct. 11	1540		112	1301
Wood-graining machine	B. W. Augustine	769,978	Sept. 13	1597	340	112	376
Wood-holder	J. E. Wallin	749,646	Jan. 12	2230	470	108	518
Wood-impregnating apparatus	S. Willner	771,689	Oct. 4	921	208	112	1156
Wood, &c. Machine for reducing	J. M. Nash	763,315	June 21	3349	727	110	2207
Wood-ornamenting apparatus	W. W., O. F., and E. C. Dittmar	773,855	Nov. 1	638	135	113	148
Wood. Preserving	G. W. Gordon	751,981	Feb. 9	2272		108	1562
Wood-preserving compound	W. E. Taylor	753,983	Mar. 15	3142		113	945
Wood-preserving compound	A. Macaulay	778,321	Dec. 27	3685		113	2690
Wood-scraper	J. H. Banke	759,227	May 10	1335	266	110	324
Wood scraping and smoothing machine	N. J. Matthiesen	750,294	Jan. 26	3478	753	108	824
Wood-shaping machine	F. P. Kelley	771,157	Sept. 27	3802	821	112	924
Wood-sheet trimming, chamfering, and crozing machine	I. A. Kerr	775,291	Nov. 15	3522	743	113	833
Wood Treating	K. Wadamori	749,004	Jan. 5	900	190	108	210
Wooden article and producing same. Ornamental	W. W., E. C., and O. F. Dittmar	773,854	Nov. 1	637	135	113	148
Wooden articles. Cold process of simultaneously cutting out and stamping polished	A. Schneegass	771,669	Oct. 4	885	200	112	1149
Woodwork-polishing wheel	C. H. Kimberly	767,699	Aug. 16	3154	659	111	1776
Woodworking-machine	N. J. Hutchinson	761,492	May 31	5784	1237	110	1356
Woodworking-machine	E. Rawson	773,676	Nov. 1	274	62, 63	113	65
Woodworking-machine	A. Brownell	776,492	Dec. 6	23	6, 7	113	1428
Woodworking-machine attachment	F. D. Gelvin	753,983	May 17	2818	380	110	669
Woodworking-machine chip-breaker	C. D. Marsh	749,072	Jan. 5	1051	222	108	242
Woodworking-machine feeding device	J. R. Thomas and H. S. Spencer	752,313	Feb. 16	2884	642	108	1719
Wool burring and picking machine	G. Prouvet	754,236	Mar. 8	2013	447	109	460
Wool-fat. Recovering	C. E. Swett	761,265	May 31	5371	748	110	1262
Wool forking, elevating, and conveying machine	J. H. Tillinghast	768,638	Aug. 30	5148	1081	111	2257
Work-bench attachment	W. J. Connell	759,077	May 3	975	197	110	222
Work-bench clamp	J. Peno	756,137	Mar. 29	5596	1357	109	1311
Work-carrier	G. A. Ensing	770,051	Sept. 13	1728	365	112	407
Work-holder	O. H. Eichblatt	767,876	Aug. 16	3500	740	111	1851
Work-holder	A. Le Blanc	774,480	Nov. 8	1805	391	113	420
Work-holder	S. Soggins	776,553	Dec. 6	171	89	113	1464
Work-holding device	C. F. Skook	770,227	Apr. 5	1017	225	109	1559
Work-table and lap-board. Folding	C. J. Becker	778,735	Dec. 27	4477	980	113	2442
Work-table. Lady's	J. E. Moorman	771,532	Oct. 4	684	152	112	1104
Worsted preparing and spinning machine	F. P. Shaw	765,713	July 26	3630	774	111	834
Worsted preparing and spinning machine	F. P. Shaw	765,714	July 26	3637	776	111	834
Worsted preparing and spinning machine	F. P. Shaw	765,715	July 26	3645	777	111	835
Worsted preparing and spinning machine	F. P. Shaw	765,716	July 26	3652	778	111	836
Worsted preparing and spinning machine	F. P. Shaw	765,717	July 26	3658	779	111	837
Wort. Means for controlling the aeration of fermenting	D. O. Paige	762,936	June 21	2641	781	110	2051
Woven bag	C. Knibbs and R. H. Sterrett	768,378	Aug. 23	4613	965	111	2125
Woven fabric	C. H. L. Hanson	753,702	Mar. 1	937	212	109	202
Woven fabric	W. M. Stevenson	750,150	Mar. 29	5712	1261	109	1315
Woven fabric	T. B. Dornan	765,961	July 26	4114	879	111	1380
Woven fabric	W. Pearsall	774,775	Nov. 15	2421	521	113	577
Woven fabric. Double-faced	D. Valentine and T. W. Bentley	776,275	Nov. 29	5529	1171	113	1315
Woven fabric for underclothing, &c.	F. Lots and L. Simons	772,709	Oct. 18	3022	664	112	1649
Woven fabric formed chiefly of leather fibers	W. H. Drury	763,737	June 28	4183	914	110	2410
Woven fabric formed of fibrous materials	W. H. Drury	763,864	June 28	4439	966	110	2462
Woven-fabric-forming apparatus	T. Pentlarge	773,808	Nov. 1	513	111	113	119
Woven interlining fabric	G. S. Cox	769,790	Sept. 13	1296	266	112	397
Wrappers. Preparing	J. J. Hinde	761,172	May 31	5186	1102	112	1223
Wrappers to cakes of soap, &c. Machine for applying	A. Shedlock	764,210	July 5	622	126	111	139
Wrappers to cakes of soap, &c. Machine for applying	T. G. McGirr and M. B. Ferguson	763,999	July 5	153	27	111	39
Wrapping and labeling machine. Package	F. M. Peters and H. H. Hungerford	770,696	Sept. 20	2969	631	112	704
Wrapping device. Magazine	C. Owens	772,628	Oct. 18	2854	626	112	1612
Wrapping-machine	A. Bayler	759,960	May 17	2759	579	110	655
Wrapping-machine	A. Shedlock	765,205	July 19	2619	547	111	603
Wrapping-machine	W. B. Page and A. E. Hopkins	765,320	July 19	2837	593	111	651
Wrapping-machine	F. C. Waldron	765,606	July 19	3400	717	111	771
Wrapping-machine cutting mechanism	C. Owens	768,070	Aug. 23	3936	825	111	1908

Alphabetical list of inventions—Continued.

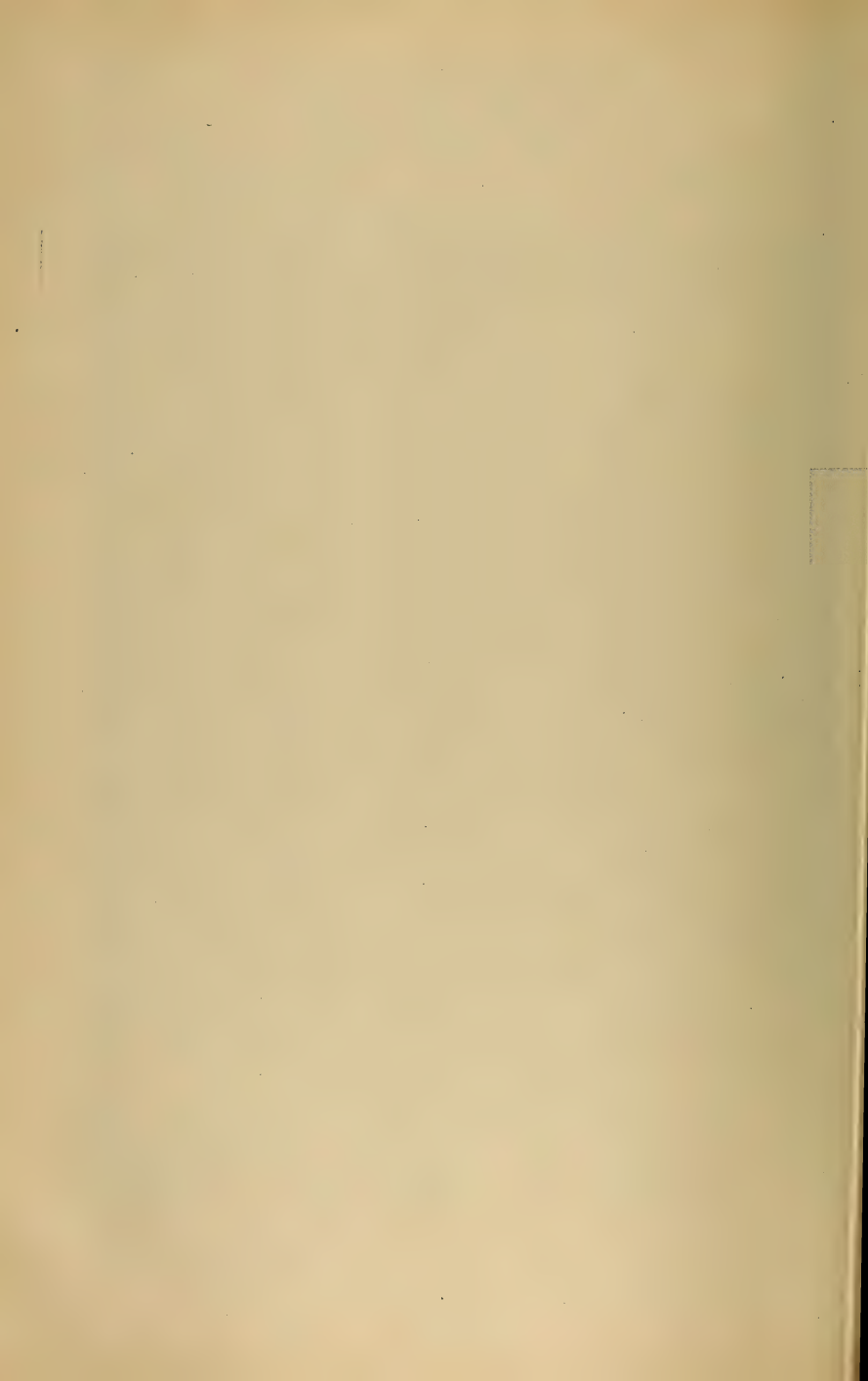
Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec	Dr's	Vol.	Page.
Wrapping machine. Package.....	D. F. Bremner, Jr.	753,661	Mar. 1	847	(130) 191 192 193	109	184
Wrench:							
See Adjustable wrench. Nut-wrench.							
Buggy-wrench. Pipe or pipe wrench.							
Casing-clamping wrench. Pipe-wrench.							
Chain wrench. Pipe and nut wrench.							
Cylinder-tooth wrench. Pipe or nut wrench.							
Extension-wrench. Railway track-wrench.							
Flange-wrench. Ratchet-wrench.							
Flexible wrench. Sealing-wrench.							
Jar-wrench. Socket-wrench.							
Jaw-wrench. Spanner-wrench.							
Meat-chopper wrench. Tire-bolt wrench.							
Monkey-wrench. Vehicle-wrench.							
Wheel-wrench.							
Wrench.....	A. L. Vinyard	748,671	Jan. 5	222	52	108	48
Wrench.....	N. C. Hyman	749,134	Jan. 5	1171	248	108	271
Wrench.....	W. E. Carter	749,167	Jan. 12	1253	269	108	308
Wrench.....	J. Speyer	749,237	Jan. 12	1401	300	108	341
Wrench.....	W. H. Ermentrout	749,544	Jan. 12	2060	427	108	482
Wrench.....	G. W. Rouse	749,632	Jan. 12	2204	405	108	513
Wrench.....	N. G. Forslund	749,668	Jan. 12	2275	480	108	528
Wrench.....	F. Stuart	749,908	Jan. 19	2552	590	108	649
Wrench.....	M. M. Le May	750,772	Jan. 26	4428	954 955	108	1030
Wrench.....	M. McKinley	750,994	Feb. 2	394	94	108	1145
Wrench.....	H. A. Ruggles	751,342	Feb. 2	1056	210	108	1283
Wrench.....	W. J. Ratcliff	751,416	Feb. 2	1178	268	108	1307
Wrench.....	F. A. Drury	751,481	Feb. 9	1289	294	108	1351
Wrench.....	P. Toohy	751,821	Feb. 9	1930	438	108	1487
Wrench.....	J. H. Hobson	751,914	Feb. 9	2113	476	108	1529
Wrench.....	W. S. Osborn	751,936	Feb. 9	2155	498	108	1537
Wrench.....	M. Wenger	752,136	Feb. 16	2237	555	108	1640
Wrench.....	W. J. Berryman	752,510	Feb. 16	3249	724	108	1738
Wrench.....	C. S. Kline	752,564	Feb. 16	3356	746	108	1822
Wrench.....	C. W. Thomas	752,811	Feb. 23	3845	802	108	1947
Wrench.....	A. De Vibiss, Jr	753,374	Mar. 1	282	64	109	208
Wrench.....	F. D. Harris	753,703	Mar. 1	309	213	109	64
Wrench.....	A. Magnuson	753,720	Mar. 1	975	220	109	213
Wrench.....	A. L. Eliel and J. La Burt	753,862	Mar. 8	1299	292	109	300
Wrench.....	G. E. Fox	753,869	Mar. 8	1310	295	109	303
Wrench.....	C. H. W. Relyea	753,915	Mar. 8	1405	317	109	308
Wrench.....	J. M. Reams	754,012	Mar. 8	1587	354	109	350
Wrench.....	C. E. Hawkins and F. Cary	754,063	Mar. 8	1680	373	109	387
Wrench.....	W. R. Johnson	754,069	Mar. 8	1688	375	109	388
Wrench.....	J. R. Harrison	754,137	Mar. 8	1822	406	109	418
Wrench.....	L. Trudeau	754,520	Mar. 15	2638	573	109	612
Wrench.....	L. Ash and H. B. Stewart	754,683	Mar. 15	2843	621	109	654
Wrench.....	J. Abbott	754,831	Mar. 15	3228	703	109	740
Wrench.....	G. Moore	755,518	Mar. 22	4477	905	109	1025
Wrench.....	J. T. Morris	755,520	Mar. 22	4480	905	109	1025
Wrench.....	A. Granger and W. Hilzinger	755,650	Mar. 29	4740	1054	109	1038
Wrench.....	C. Heron	756,196	Mar. 29	5783	1277	109	1220
Wrench.....	A. H. Rankin and C. Abrams	756,407	Apr. 5	438	90	109	1436
Wrench.....	A. B. Green	756,495	Apr. 5	605	130	109	1469
Wrench.....	T. H. Barry	756,565	Apr. 5	719	155	109	1495
Wrench.....	E. C. Miller	756,679	Apr. 5	928	203	109	1541
Wrench.....	J. Kuhn	757,297	Apr. 12	1983	432	109	1783
Wrench.....	G. A. Andrus	757,644	Apr. 19	2888	620	109	1992
Wrench.....	E. Howell	757,747	Apr. 19	3086	672	109	2034
Wrench.....	J. N. Noyer	757,764	Apr. 19	3113	679	109	2040
Wrench.....	W. H. W. Beecher	758,085	Apr. 19	3644	778	109	2157
Wrench.....	C. G. Molis	758,269	Apr. 26	4100	887	109	2275
Wrench.....	C. F. Beach	758,499	Apr. 26	4574	982	109	2383
Wrench.....	W. E. Snediker	758,568	Apr. 26	4710	1016	109	2412
Wrench.....	J. S. Barclay	758,580	Apr. 26	4728	1019	109	2416
Wrench.....	F. W. Frey	759,260	May 10	1406	280	110	340
Wrench.....	C. D. Colley	759,674	May 10	2207	454	110	516
Wrench.....	G. W. Jessup, Jr	759,715	May 10	2276	471	110	531
Wrench.....	M. F. Hudson	759,813	May 10	2474	518	110	575
Wrench.....	D. R. Ellis	759,869	May 17	2596	543	110	618
Wrench.....	J. Emig and A. McKaig, Sr	760,063	May 17	2667	619	110	732
Wrench.....	J. Talbot	760,273	May 17	3370	700	110	793
Wrench.....	H. Cowan	760,521	May 24	3845	815	110	918
Wrench.....	S. Holzinger	760,807	May 24	4556	971	110	1069
Wrench.....	G. B. Cooper	760,968	May 24	4744	1010	110	1108
Wrench.....	W. A. Stewart	761,110	May 31	5074	1076	110	1196
Wrench.....	N. W. Kahle	761,389	May 31	5604	1193	110	1314
Wrench.....	J. Sauer	761,411	May 31	5652	1203	110	1325
Wrench.....	W. H. Wagoner and J. Adams	761,431	May 31	5686	1210	110	1333
Wrench.....	A. Baughman	761,645	June 7	13	8	110	1438
Wrench.....	F. W. Vogel	761,787	June 7	374	76	110	1557
Wrench.....	N. E. Atkinson	761,868	June 7	523	104	110	1577
Wrench.....	J. G. Bowles	761,940	June 7	649	130	110	1582
Wrench.....	T. W. Highfill	761,961	June 7	686	139	110	1590
Wrench.....	V. Quenon	761,996	June 7	753	153	110	1603
Wrench.....	A. Dennis	762,028	June 7	805	165	110	1612
Wrench.....	J. D. Hill	762,056	June 7	853	175	110	1622
Wrench.....	C. C. Longard	762,069	June 7	881	181	110	1628
Wrench.....	A. M. Sanders	762,351	June 14	1423	308	110	1767
Wrench.....	J. W. Todd	762,456	June 14	1645	355	110	1815

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Wrench	D. E. Lombard	762,463	June 14	1710	367	110	1898
Wrench	L. Kuler	762,537	June 14	1829	393	110	1854
Wrench	C. U. Reams	762,556	June 14	1872	402	110	1864
Wrench	W. Leach	762,592	June 14	1930	416	110	1875
Wrench	S. M. Rowe	762,762	June 14	2276	496	110	1948
Wrench	I. Weisnek	762,784	June 14	2318	506	110	1958
Wrench	C. D. O'Neill	763,365	June 21	3411	572	110	2030
Wrench	E. B. Randall	763,941	June 21	2653	574	110	2053
Wrench, &c.	F. E. Walden	763,227	June 21	3196	689	110	2175
Wrench	R. J. Berthoud	763,590	June 28	3906	849	110	2348
Wrench	W. F. Marks	764,248	July 5	685	139	111	152
Wrench	W. Croft	764,333	July 5	903	183	111	198
Wrench	D. D. Getman	764,576	July 12	1396	285	111	321
Wrench	F. P. Stevenson	765,052	July 12	2350	487	111	528
Wrench	C. C. Cooper	765,066	July 12	2382	495	111	533
Wrench	M. J. McDermott	765,095	July 12	2436	504	111	542
Wrench	A. G. Ely	765,569	July 19	3377	701	111	757
Wrench	R. Nolen	765,589	July 19	3373	710	111	765
Wrench	H. L. Bordwell	765,912	July 26	4080	861	111	917
Wrench	W. N. Greer	766,145	July 26	4497	962	111	1018
Wrench	E. K. Ansgore	766,577	Aug. 2	892	187	111	1237
Wrench	J. G. Baker	767,199	Aug. 9	2129	458	111	1546
Wrench	A. W. Hornberger	767,230	Aug. 9	2256	470	111	1538
Wrench	L. P. Keller	767,283	Aug. 9	2345	491	111	1578
Wrench	G. W. Otis and R. W. Huettl	767,311	Aug. 9	2389	500	111	1588
Wrench	J. E. Taylor	767,319	Aug. 9	2403	503	111	1591
Wrench	C. Glover and H. E. Hulbert	767,343	Aug. 9	2572	542	111	1645
Wrench	D. F. Taylor	767,581	Aug. 16	2843	597	111	1707
Wrench	W. A. Leder	767,901	Aug. 16	3538	749	111	1859
Wrench	G. Purucker	768,075	Aug. 23	3961	836	111	1979
Wrench	I. E. Stump	768,703	Aug. 30	5288	1111	111	2287
Wrench	P. S. Larson	768,761	Aug. 30	5391	1135	111	2311
Wrench	R. A. Hammond and F. E. Walden	769,695	Sept. 6	892	182	112	202
Wrench	R. J. Cosseboom	770,165	Sept. 13	1929	412	112	451
Wrench	J. News	770,382	Sept. 20	2378	502	112	572
Wrench	C. H. Ritts	770,608	Sept. 20	2793	594	112	664
Wrench	J. Lill	770,687	Sept. 20	2854	627	112	700
Wrench	C. D. Paul and J. L. Stuart	770,695	Sept. 20	2963	631	112	703
Wrench	O. S. Randall	770,699	Sept. 20	2975	633	112	705
Wrench	R. F. Patman	770,921	Sept. 27	3415	720	112	819
Wrench	G. McKercher	771,169	Sept. 27	3916	826	112	929
Wrench	J. P. Holm	771,195	Sept. 27	3963	836	112	938
Wrench	J. P. Lang	771,248	Oct. 4	59	13	112	974
Wrench	R. Ashworth	771,451	Oct. 4	457	104	112	1055
Wrench	L. B. Kinsey	771,556	Oct. 4	675	151	112	1102
Wrench	L. H. W. Hancock	771,632	Oct. 4	811	181	112	1132
Wrench	E. Sorensen	772,633	Oct. 18	2662	628	112	1614
Wrench	W. F. Carlberg	772,781	Oct. 18	3166	689	112	1679
Wrench	H. Stein	772,844	Oct. 18	3273	714	112	1703
Wrench	J. F. Clark	772,870	Oct. 18	3332	725	112	1715
Wrench	P. W. Jackson	772,353	Oct. 25	4279	905	112	1951
Wrench	E. Fisher	773,383	Nov. 1	809	170	113	186
Wrench	N. F. Turner	774,214	Nov. 8	1325	281	113	316
Wrench	C. Conrad	774,310	Nov. 8	1497	321	113	354
Wrench	L. Haneke	774,916	Nov. 15	2711	581	113	640
Wrench	C. P. Lang	775,084	Nov. 15	3046	647	113	720
Wrench	C. H. Quimby, Jr.	775,091	Nov. 15	3082	651	113	724
Wrench	D. E. Lombard	775,185	Nov. 15	3258	697	113	767
Wrench	F. Hachmann	775,398	Nov. 22	3762	796	113	908
Wrench	L. W. Siple	775,783	Nov. 22	4557	967	113	1080
Wrench	L. T. Henderson	776,060	Nov. 29	5116	1083	113	1221
Wrench	J. M. Hoke	776,063	Nov. 29	5122	1083	113	1222
Wrench	W. V. Gage	776,459	Nov. 29	5879	1243	113	1336
Wrench	E. E. Kettelsen	776,598	Dec. 6	261	57, 58	113	1487
Wrench	T. O. Sampson	776,761	Dec. 6	596	129	113	1558
Wrench	E. J. and D. T. Thomas	776,873	Dec. 6	829	179	113	1609
Wrench	J. E. Richards and H. H. Muggley	776,944	Dec. 6	972	209	113	1641
Wrench	P. F. Duross	777,009	Dec. 6	1094	238	113	1669
Wrench	H. Jacobsen	777,025	Dec. 6	1130	246	113	1678
Wrench	N. Noyer	777,389	Dec. 13	1819	403	113	1845
Wrench	G. and J. Strehl	777,446	Dec. 13	1922	424	113	1868
Wrench	R. Vrooman	777,573	Dec. 13	2184	480	113	1984
Wrench	F. H. Kanning	777,955	Dec. 20	2972	653	113	2102
Wrench	H. A. Vance	777,984	Dec. 20	3042	670	113	2114
Wrench	R. Burnham	778,302	Dec. 27	3654	797	113	2263
Wrench	G. E. Dornon	778,572	Dec. 27	4184	912	113	2377
Wrench	H. Phelan	778,704	Dec. 27	4420	967	113	2431
Wrench	L. T. Steenberge	778,718	Dec. 27	4451	974	113	2437
Wrench	H. Spaulding	778,807	Dec. 27	4625	1010	113	2476
Wrench and pump combined.	W. Van Horn	778,814	Dec. 27	4637	1013	113	2479
Wrench and pliers, Combined.	A. L. Nicholson	778,814	Dec. 27	4637	1013	113	2479
Wrench and vise, Convertible.	E. L. Thompson	778,161	Aug. 23	4154	874	111	2017
Wrench attachment	N. Foster	778,058	Sept. 13	1738	367	112	409
Wrench attachment	T. O'Shaughnessy	775,924	Mar. 29	5305	1171	109	1227
Wrench construction	A. L. Cherry	774,111	Nov. 29	5212	1101	113	1243
Wrench or the like	D. Booker	765,163	July 19	2554	538	111	889
Wrench pipe attachment	F. E. Walden	761,798	June 7	375	76	110	1523
Wrest-plate	J. H. Himm	759,442	May 10	1759	356	110	418
Wringer	E. Hilger	764,869	Mar. 15	3309	721	109	758
See Clothes-wringer. Vacuum-wringer.							
Mop-wringer.							
Wrist-pins, &c. Mechanism for turning.	S. McMillen	770,381	Sept. 20	2375	501 502	112	571

Alphabetical list of inventions—Continued.

Invention.	Name.	No.	Date.	Monthly volume.		Official Gazette.	
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Writing-board. Hand.....	C. J. Bellamy.....	769,293	Sept. 6	319	73	112	68
Writing-board. Hand.....	C. J. Bellamy.....	769,678	Sept. 6	1034	223	112	236
Writing-machine.....	A. Wayne.....	755,420	Mar. 22	4308	953	109	990
Writing-machine.....	J. Maynard.....	773,802	Nov. 1	503	110	113	117
Writing-machine carriage-spacing attachment.....	L. Maybaum.....	754,155	Mar. 8	1847	413	109	424
Wurtzilite. Treating and dissolving.....	F. M. Whittall.....	768,101	Aug. 23	4036	.....	111	1091
X-ray apparatus.....	W. B. Churcher.....	762,881	June 21	2531	549	110	2024
X-ray apparatus. Portable.....	E. W. Caldwell.....	749,813	Jan. 19	2576	549	108	611
X-ray tube.....	C. H. F. Müller.....	771,086	Sept. 27	3744	789	112	891
X-ray tube.....	C. H. F. Müller.....	772,667	Oct. 18	2925	642	112	1627
X-ray tube.....	R. Friedlander.....	777,503	Dec. 13	2032	448	113	1892
X-ray-tube shade.....	R. Friedlander.....	765,469	July 19	3164	661	111	720
X-ray-tube stand.....	G. R. Hogan.....	768,048	Aug. 23	3887	816	111	1355
Xanthin derivative and making same.....	F. Ach.....	767,332	Aug. 9	2468	.....	111	1605
Xanthin derivatives. Making.....	F. Ach.....	757,329	Apr. 12	2235	.....	109	1835
Xanthin derivatives. Preparing.....	F. Ach.....	757,328	Apr. 12	2230	.....	109	1834
Xanthin. Making.....	F. Ach.....	767,333	Aug. 9	2471	.....	111	1605
Xanthin. Making.....	F. Ach.....	767,354	Aug. 9	2473	.....	111	1605
Xanthin. Making.....	F. Ach.....	767,355	Aug. 9	2474	.....	111	1605
Yardstick. Computing.....	W. S. Cogburn.....	755,746	Mar. 29	4937	1099	149	1144
Yarn-cone.....	D. T. Berlzheimer.....	778,003	Dec. 30	3068	674	113	2120
Yarn-controller.....	S. W. Wardwell.....	752,813	Feb. 23	3849	863	108	1948
Yarn formed of fibrous materials.....	W. H. Drury.....	768,377	June 28	3507	756	110	2364
Yarn from fibrous materials. Machinery for manufacturing.....	W. H. Drury.....	768,378	June 28	3508	758	110	2364
Yarn from magazine-rolls of short-fiber material in a moist condition. Producing.....	R. Kron.....	776,474	Nov. 29	5909	1247	113	1403
Yarn-guide-holding mechanism.....	J. E. Prest.....	753,625	Mar. 1	772	172	109	167
Yarn or thread lubricator.....	C. J. Lehman.....	752,458	Feb. 16	3156	703	108	1778
Yarn-package.....	G. W. Foster.....	766,175	Aug. 2	87	7	111	1050
Yarn-skein-delivering apparatus.....	W. Mathesius.....	754,584	Mar. 15	2757	600	109	625
Yarn-treating apparatus.....	H. Lindenberg.....	754,784	Mar. 15	3145	685	109	721
Yeast.....	M. P. Davies and E. Wilding.....	770,356	Sept. 20	2331	.....	112	562
Yeast extracts. Preparing alimentary.....	M. Elb.....	748,711	Jan. 5	299	.....	108	66
Yoke.....	H. L. Alexander.....	731,135	Feb. 2	646	149	108	1198
Yoke.....	P. N. Lear.....	732,083	Feb. 16	2440	546	108	1619
Yoke and holdback. Neck.....	C. Murray.....	769,394	Sept. 6	508	112	112	115
Yoke and swingletree. Convertible neck.....	T. I. Hall.....	761,045	May 24	4934	1045	110	1148
Yoke attachment. Neck.....	W. H. Bayley.....	751,044	Feb. 2	481	113	108	1164
Yoke attachment. Neck.....	E. H. Miller and W. O. Mangham.....	774,360	Nov. 8	1591	341	113	375
Yoke attachment. Safety neck.....	W. G. Schulz.....	772,835	Oct. 18	3259	711	112	1700
Yoke center. Neck.....	E. C. Stillwell.....	751,959	Feb. 9	2203	496	108	1549
Yoke center. Neck.....	J. E. Beebe.....	757,594	Apr. 19	2780	608	109	1968
Yoke. Neck.....	A. H. Engeljohn and S. Weale.....	750,626	Jan. 26	4102	888	108	957
Yoke. Neck.....	K. Nilson.....	750,997	Feb. 2	404	95	108	1147
Yoke. Neck.....	C. Maples.....	755,512	Mar. 22	4462	991	109	1021
Yoke. Neck.....	J. A. Byxhe and E. Callen.....	770,735	Sept. 27	3039	647	112	736
Yoke. Neck.....	H. Peterson.....	771,173	Sept. 27	3922	827	112	930
Yoke. Neck.....	T. H. Brigg.....	778,216	Dec. 27	3463	762	113	2222
Yoke ring. Neck.....	P. Furst.....	776,130	Nov. 29	5232	1109	113	1353
Yoke strap-loop. Neck.....	W. E. L. Froggatt.....	776,587	Dec. 6	238	53	113	1482
Yoke strap. Neck.....	W. G. Callender.....	749,166	Jan. 12	1252	269	108	307
Zinc. Apparatus for the extraction of.....	C. S. Brand.....	775,359	Nov. 22	3681	781	113	889
Zinc. Apparatus for the extraction of.....	C. S. Brand.....	775,360	Nov. 22	3682	781	113	890
Zinc-blende from ores. Separating.....	W. Jamieson and F. J. Odling.....	750,034	Jan. 19	3002	643	108	703
Zinc. Cleaning sheet.....	J. Nelson.....	768,818	Aug. 30	3504	1158	111	2333
Zinc. Obtaining.....	E. H. Hopkins.....	754,141	Mar. 8	1827	407	109	420
Zinc or other sulfids from their ores. Extracting.....	G. D. Delprat.....	768,035	Aug. 23	3859	808	111	1948
Zinc. Portable machine capable of bending or molding sheet.....	A. H. Bif.....	758,844	Mar. 8	1266	284	109	293
Zinc-producing furnace.....	P. Schmieder.....	757,059	Apr. 12	1690	367	109	1718
Zinc. Producing hydrated sulfid of.....	V. Bermont.....	751,712	Feb. 9	1707	.....	108	1439
Zinc-white. Manufacture of.....	J. Oettli.....	771,025	Sept. 27	3630	764	112	866
Zither.....	R. Gumz.....	755,572	Mar. 22	4572	1017	109	1046
Zither.....	G. Almcrautz and F. Danielson.....	759,057	May 3	928	188	110	212
Zither picking device.....	W. R. Verstraelen and C. Alter.....	769,518	Sept. 6	746	217	112	169
Zither. Self-playing.....	W. R. Verstraelen and C. Alter.....	769,671	Sept. 6	1004	218 219 220	112	228



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				Volume.	Page.
Advertising-calendar and postal-card holder.....	O. Clark.....	37,190	Sept. 6	112	240
Advertising-card.....	A. Nederland.....	37,192	Sept. 27	112	948
Advertising-label.....	W. J. Dietrich.....	37,200	Dec. 13	113	1959
Advertising-label.....	W. J. Dietrich.....	37,261	Dec. 13	113	1959
Aquarium, Fountain.....	W. J. Dietrich.....	37,262	Dec. 13	113	1959
Asparagus-holder.....	F. Hundorf.....	37,181	Oct. 11	112	1467
Automobile-body.....	A. Hepner.....	37,112	Aug. 30	111	2483
Automobile-body.....	D. P. Sammis.....	37,184	Oct. 11	112	1468
Automobile-body.....	E. R. Thomas and J. R. Koen.....	37,216	Nov. 8	113	539
Automobile-body.....	D. P. Sammis.....	37,232	Nov. 15	113	840
Award ribbons and declarations. Blank for official.....	M. J. Lowenstein.....	37,259	Dec. 13	113	1959
Badge.....	J. T. Bailey.....	36,730	Jan. 12	108	550
Badge.....	P. H. Englewood.....	36,758	Jan. 26	108	1041
Badge.....	F. C. Fane.....	36,896	Apr. 26	109	2431
Badge.....	N. M. Kirshner.....	36,887	Apr. 26	109	2431
Badge.....	J. L. Mallory.....	36,945	June 7	110	1710
Badge.....	S. Rorex.....	36,944	June 7	110	1710
Badge.....	H. Getz.....	37,020	July 5	111	290
Badge.....	R. N. B. Kirkham.....	37,021	July 5	111	290
Badge.....	Davidson.....	37,030	July 12	111	568
Badge.....	C. L. Thatcher.....	37,091	July 12	111	568
Badge.....	J. F. Thomas.....	37,046	July 19	111	796
Badge.....	E. E. Bower.....	37,117	Sept. 6	112	239
Badge.....	C. L. Jennings.....	37,125	Sept. 13	112	488
Badge.....	N. R. Snider.....	37,155	Oct. 4	112	1204
Badge.....	V. C. Barber and W. S. Turner.....	37,161	Oct. 11	112	1465
Badge.....	K. Stachowski.....	37,189	Oct. 25	112	2083
Badge.....	G. L. Gillespie.....	37,236	Nov. 22	113	1134
Badge, Campaign.....	S. I. Van Dersal.....	37,126	Sept. 13	112	488
Badge or similar article.....	A. Schicklerling.....	36,888	Apr. 26	109	2431
Badge or similar article.....	S. Anderson.....	36,898	May 3	110	305
Badge or similar article.....	W. H. Peckham.....	37,069	Aug. 9	111	1613
Badge or similar article.....	H. L. Lang.....	37,237	Nov. 22	113	1134
Bag-frame member.....	C. Flax.....	37,011	June 28	110	2499
Bag-handles. Leather rope for.....	A. C. Fritsche.....	36,789	Feb. 9	108	1577
Bank, Money.....	J. B. Weir and L. D. Perry.....	36,749	Jan. 26	108	1039
Bar-fixture.....	W. C. Huss.....	37,272	Dec. 20	113	2303
Bath-tub.....	C. Weelans.....	36,881	Apr. 91	109	2158
Bath-tub.....	W. H. Lloyd.....	37,257	Dec. 6	113	1696
Bed-spring.....	W. C. Grose.....	37,132	Oct. 11	112	1467
Belt, Waist.....	L. Hauser.....	36,972	June 14	110	2044
Belt, Waist.....	L. Hauser.....	36,996	June 21	110	2222
Boat, Power.....	C. F. Herreshoff, 2nd.....	37,252	Nov. 29	113	1408
Book-cover.....	W. M. Rhoads.....	36,850	Mar. 15	109	797
Border for vessels or similar articles.....	R. Kintz.....	37,073	Aug. 9	111	1614
Bottle.....	A. Bustanoby.....	36,704	Feb. 2	108	1317
Bottle.....	F. Schilling.....	37,171	Oct. 11	112	1465
Bottle.....	R. G. Evans.....	37,236	Nov. 15	113	838
Bottle top. Pepper or salt.....	C. V. Helmschmied.....	37,243	Nov. 22	113	1135
Bowl or similar article.....	E. Haviland.....	37,097	Aug. 23	111	2211
Box, Paper.....	W. G. Booth.....	36,735	Feb. 9	108	1573
Bracket.....	R. L. Myers.....	37,026	July 5	111	291
Braid.....	H. B. Ruggles.....	36,770	Feb. 2	108	1318
Braid.....	H. P. von Nostitz.....	36,746	Jan. 19	108	787
Braid.....	H. P. von Nostitz.....	36,847	Mar. 8	109	541
Braid.....	J. Levi.....	36,863	Mar. 29	109	1339
Braid.....	V. G. Schuck.....	37,027	July 5	111	291
Braid.....	A. H. Grossenbach.....	37,265	Dec. 13	113	1960
Brooch, button, or buckle-plate, or similar article.....	S. A. Keller.....	36,757	Jan. 26	108	1041
Brooch or similar article.....	E. C. Abel.....	36,987	June 21	110	2222
Brush holder. Tooth.....	A. Gent.....	37,173	Oct. 11	112	1465
Brushes, Back for.....	C. E. Hathaway.....	37,209	Nov. 8	112	638
Brushes, mirrors, or similar articles. Back for.....	H. J. Straker.....	36,760	Jan. 26	108	1042
Brushes, mirrors, or similar articles. Back for.....	W. S. Rohn.....	37,222	Nov. 15	113	887
Brushes, mirrors, or similar articles. Back for.....	W. S. Rohn.....	37,233	Nov. 15	113	838
Brushes, mirrors, or similar articles. Back for.....	W. S. Rohn.....	37,234	Nov. 15	113	838
Brushes, mirrors, or similar toilet articles. Back for.....	W. H. Blake.....	37,089	Aug. 16	111	1924
Buckle-plate or similar article.....	C. C. Penfold.....	36,735	Jan. 5	108	278
Buckle-plate or similar article.....	G. W. Dover.....	36,925	May 24	110	1157
Building-block. Artificial.....	H. S. Palmer.....	36,772	Feb. 2	108	1319
Building-block. Artificial.....	H. S. Palmer.....	36,804	Feb. 16	108	1860
Building-block. Artificial.....	H. S. Palmer.....	36,805	Feb. 16	108	1860
Building-block. Artificial.....	H. S. Palmer.....	36,806	Feb. 16	108	1860
Burial-casket.....	J. Maxwell.....	36,769	Feb. 2	108	1318
Button-hooks or similar articles. Handle for.....	S. A. Keller.....	37,138	Sept. 13	112	488
Cabinet.....	H. C. Gowran.....	37,250	Nov. 29	113	1407
Cabinet, Kitchen.....	C. A. Post.....	36,732	Jan. 26	108	1040
Cabinet, Kitchen wall.....	R. M. Vernon.....	36,744	Jan. 19	108	787
Candle.....	F. L. Perkins.....	36,953	June 7	110	1712
Candle-holder favor.....	F. L. Perkins.....	36,954	June 7	110	1712
Candelabrum.....	A. Steffin.....	36,814	Feb. 2	108	231
Candelabrum.....	S. W. Babbitt.....	37,345	Nov. 22	113	1135

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Design.	Name.	No.	Date.	Official Gazette.	
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Candlestick	A. Steffin	36,875	Apr. 12	109	1877
Candlestick	A. H. Heisey	36,876	Apr. 12	109	1878
Car body, Motor	J. Wilkinson	36,935	May 31	110	1416
Car body, Motor	J. Wilkinson	36,936	May 31	110	1417
Card-mount	H. H. Collins, Jr.	37,087	Aug. 16	111	1324
Card or similar article. Souvenir	F. Huld	36,762	Feb. 2	108	1816
Card. Playing	S. N. Barker	36,844	Mar. 8	109	541
Card. Playing	S. N. Barker	36,845	Mar. 8	109	541
Cards. Back for playing	S. N. Barker	36,963	June 14	110	2001
Cards. Front for playing	J. G. A. Fortier	36,964	June 14	110	2001
Carpet	F. A. Haas	36,733	Jan. 12	108	550
Carpet	F. A. Haas	36,734	Jan. 12	108	550
Carpet	L. H. Brown	36,735	Jan. 12	108	551
Carpet	W. A. Perry	36,736	Jan. 12	108	551
Carpet	H. H. Hunt	37,106	Aug. 30	111	2482
Carpet	C. F. Romieu	37,107	Aug. 30	111	2482
Carpet	W. E. Sayers	37,108	Aug. 30	111	2482
Carpet	W. E. Sayers	37,109	Aug. 30	111	2482
Carpet	F. A. Haas	37,276	Dec. 20	113	2203
Carpet-sweeper casing and handle	E. E. Dryden	37,174	Oct. 11	112	1466
Carpet-sweeper casing and handle	E. E. Dryden	37,175	Oct. 11	112	1466
Carpet-sweeper handle and casing	E. E. Dryden	37,176	Oct. 11	112	1466
Cash-register cabinet or casing	L. Jacob	36,707	Feb. 2	108	1317
Cash-register cabinet or casing	E. Ringold	36,768	Feb. 2	108	1318
Cash-register cabinet or casing	E. Ringold	36,881	Mar. 1	109	267
Casket-trimming	E. R. Sargent	36,959	June 7	110	1713
Casket-trimming	W. E. Stevens	36,960	June 7	110	1714
Casket-trimming	W. E. Stevens	36,961	June 7	110	2005
Casket-trimming	W. E. Stevens	37,131	Sept. 13	112	489
Chafing-dish or casserole stand	C. Rohlf	36,972	June 14	110	2002
Chafing-dish stand	A. R. Pritchard	37,204	Nov. 1	113	271
Chafing-dish stands. Leg for	G. E. Savage	37,254	Dec. 6	113	1695
Chain. Watch	J. Hanna	36,835	Jan. 1	109	326
Chair	J. Kellogg	36,771	Feb. 2	108	1319
Chair	D. W. Kendall	36,870	Apr. 5	109	1588
Chair body portion	T. A. Kochs	37,228	Nov. 15	113	839
Chaplet or shrine of the holy rosary	C. Gay	37,150	Sept. 20	112	719
Charm or similar article	E. E. Dryden	36,723	Jan. 5	108	278
Charm or similar article	W. W. Chase	36,738	Feb. 16	108	1359
Charm or similar article	S. Williams	36,811	Feb. 23	108	2131
Chimney-top	W. Porten	37,038	July 12	111	569
Christmas-tree ornament	W. F. Simon	37,199	Nov. 1	113	270
Clock-case	L. V. Aronson	36,856	Mar. 22	109	1061
Clock-case	L. V. Aronson	36,864	Apr. 5	109	1596
Clock-case	L. Marquart, Jr.	37,076	Aug. 9	111	1614
Clock-case	G. H. Rhyndance	37,077	Aug. 9	111	1615
Clock-case	G. H. Rhyndance	37,078	Aug. 9	111	1615
Clock-case	G. H. Rhyndance	37,079	Aug. 9	111	1615
Clock-case	G. H. Rhyndance	37,156	Oct. 4	112	1204
Clock-case	G. H. Rhyndance	37,157	Oct. 4	112	1204
Clock-case	G. H. Rhyndance	37,158	Oct. 4	112	1204
Clock-case	G. H. Rhyndance	37,172	Oct. 11	112	1465
Clock-case and support	C. A. Varnier	36,784	Feb. 9	108	1576
Clock stand. Electric-alarm	A. V. Darbo	37,091	Aug. 16	111	1225
Clocks, pictures, or similar articles. Frame for	A. E. Seliger	37,104	Aug. 23	111	2212
Coat and hat rack	J. Dyer	37,129	Sept. 13	112	489
Coffee-pot	A. Steffin	36,877	Apr. 12	109	1878
Coin-actuated machines. Casing for	C. R. Reid	37,040	July 12	111	569
Collar	F. Edelmann	36,733	Jan. 26	108	1040
Collar	F. Edelmann	36,754	Jan. 26	108	1040
Collar	F. Edelmann	36,755	Jan. 26	108	1041
Collar	F. Edelmann	36,756	Jan. 26	108	1041
Collar	W. Helbig	36,807	Feb. 16	108	1861
Collar	F. Edelmann	36,808	Feb. 16	108	1861
Collar or similar article	F. Edelmann	36,809	Feb. 16	108	1861
Comb	A. Schweriner	36,884	Apr. 19	109	2158
Comb	F. W. Grell	36,824	Feb. 23	108	2133
Comb. Pompadour-puff	F. W. Grell	37,090	Aug. 16	111	1224
Comb. Pompadour-puff	B. W. Doyle	36,737	Jan. 5	108	279
Comb. Pompadour-puff	F. H. Rowley	36,728	Jan. 5	108	279
Comb. Pompadour-puff	B. W. Doyle	36,742	Jan. 19	108	787
Copy-holder	J. Auld	37,193	Oct. 25	112	2084
Cream-whipper bowl and cover	W. Helms	36,957	June 7	110	1713
Cross	F. Hinderer	36,812	Feb. 23	108	2131
Cruet	W. B. Feun	36,876	Feb. 23	108	1877
Culinary vessel	F. H. Griswold	37,205	Nov. 1	113	271
Cup	A. C. Bosseleman	36,780	Feb. 9	108	1575
Cup	W. H. Deuble	36,909	May 10	110	390
Cup	G. F. Kolb	36,915	May 17	110	849
Cup or similar article	J. A. Moller, Jr.	36,916	Oct. 11	112	1465
Cup or similar article	C. J. Ahrenfeldt	36,837	Mar. 8	109	539
Decalcomania-transfer	C. E. Haviland	37,096	Aug. 23	111	2210
Decanter	M. F. Blower	37,074	Aug. 9	111	1614
Decorative fabric	L. Blower	37,074	Aug. 9	111	1614
Decorative fabric	J. Cochrane	36,781	Feb. 9	108	1576
Dental-tool handle	J. Cochrane	36,939	May 31	110	1416
Desk. Writing	J. Cochrane	36,940	May 31	110	1418
Dial-crest	C. H. Seeger	36,878	Apr. 12	109	1878
Dish	W. E. Howard	37,080	Aug. 9	111	1615
Dish	J. Muddock	36,898	May 31	110	1417
Dish	J. Muddock	36,816	Feb. 25	108	2132
Dish	J. Muddock	36,817	Feb. 25	108	2132
Dish	J. Muddock	36,890	Mar. 1	109	267
Dish	A. A. Robineau	36,933	May 31	110	1416
Dish. Cover	J. Pass	36,934	May 31	110	1416
Dish. Covered	R. L. Johnson	36,765	Feb. 2	108	1317
	J. Muddock	36,815	Feb. 23	108	2131

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Design.	Name.	No.	Date.	Official Gazette.	
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Dish mounting. Metal.	S. H. Leavenworth.	36,859	Mar. 29	109	1330
Dish or similar article	C. E. Haviland.	37,101	Aug. 23	111	2212
Dish or similar article	C. E. Haviland.	37,102	Aug. 23	111	2213
Display tray. Candy.	P. H. Roberts.	36,936	July 17	110	849
Doily or similar article	G. W. Lankford and W. H. Keith.	36,823	Feb. 23	108	2133
Doily or similar article	J. W. Catty.	36,997	June 21	110	2223
Doll-holder	E. J. Bush.	37,042	July 12	111	570
Drinking counter, or bar proper, for bar-fixtures	J. Ehrenpreis.	36,731	Jan. 12	108	550
Fabric	J. W. Henson.	36,731	Feb. 9	108	1573
Fabric. Textile.	F. A. Arbenz.	36,822	Feb. 23	108	2133
Fabric. Textile.	J. W. Kemp.	37,217	Nov. 8	113	539
Fabric. Textile.	J. W. Kemp.	37,218	Nov. 8	113	539
Finger-ring	H. S. Dana.	36,747	Jan. 26	108	1039
Finger-ring	R. C. Cutcault.	37,033	July 13	111	568
Fishbone-tongs	J. Hawkins.	36,857	Mar. 22	109	1061
Flagon. Alcohol.	S. Sternau, L. Strassburger, and J. P. Steppe.	37,211	Nov. 8	113	538
Flower-box. Renaissance.	F. Hinderer.	36,801	Feb. 16	108	1860
Flower-pot. Hanging	F. Hinderer.	36,800	Feb. 16	108	1860
Folding chair	H. C. Strobel.	37,149	Sept. 20	112	718
Foot-warmer.	C. H. Boeck.	37,194	Oct. 25	112	2084
Fork, spoon, or similar article	C. A. Bennett.	37,141	Sept. 20	112	717
Fork, spoon, or similar article	C. A. Bennett.	37,142	Sept. 20	112	717
Fork, spoon, or similar article	C. A. Bennett.	37,143	Sept. 20	112	717
Fork, spoon, or similar article	C. A. Bennett.	37,144	Sept. 20	112	717
Fork, spoon, or similar article	C. A. Bennett.	37,145	Sept. 20	112	718
Fork, spoon, or similar article	C. A. Bennett.	37,146	Sept. 20	112	718
Fork, spoon, or similar article	E. Meyers.	37,147	Sept. 20	112	718
Forks, spoons, or similar articles. Handle for	C. C. Edwards.	37,023	July 5	111	291
Forks, spoons, or similar articles. Handle for	S. Meyers.	37,024	July 5	111	291
Gas-burner	J. Lederer.	37,263	Dec. 13	113	1960
Gas-light globe	W. S. McLewee.	36,869	Apr. 5	109	1598
Glass bowl	A. J. Sanford.	37,203	Nov. 1	113	271
Glass dish	E. E. Miller.	37,188	Oct. 18	112	1738
Glass dish. Cut.	T. Singleton.	36,866	Apr. 5	109	1597
Glass dish. Cut.	J. Phillips.	37,071	Aug. 9	111	1613
Glass globe	M. W. Gleason.	36,868	Apr. 5	109	1597
Glass receptacle	J. Paull.	37,268	Dec. 20	113	2202
Glass receptacle	J. Paull.	37,269	Dec. 20	113	2202
Glass shade	M. W. Gleason.	36,867	Apr. 5	109	1597
Glass. Sheet.	R. A. B. Walsh.	37,111	Aug. 30	111	2483
Glass vessel	D. C. Ripley.	36,956	June 7	110	1713
Glass vessel	P. Ebeling.	37,033	July 12	111	568
Glass vessel	P. Ebeling.	37,034	July 12	111	568
Glass vessel	P. Ebeling.	37,035	July 12	111	569
Glass vessel	P. Ebeling.	37,036	July 12	111	569
Glass vessel	P. Ebeling.	37,037	July 12	111	569
Glass vessel	H. H. Richman.	37,225	Nov. 15	113	838
Glass vessel	N. Kopp.	37,235	Dec. 6	113	1686
Glass vessel. Cut.	W. C. Anderson.	36,738	Jan. 19	108	786
Glass vessel. Cut.	W. C. Anderson.	36,739	Jan. 19	108	786
Glass vessel. Cut.	W. C. Anderson.	36,836	Mar. 8	109	539
Glass vessel. Cut.	W. C. Anderson.	36,865	Apr. 5	109	1597
Glass vessel or similar article	A. J. Jones.	36,911	May 10	110	501
Globe	G. Hostachy.	36,790	Feb. 9	108	1577
Grave-guard	A. A. Ehlman.	37,151	Sept. 20	112	719
Grave-marker	F. L. Miller and W. A. Todd.	37,093	Aug. 16	111	1925
Grave marker or head-piece	W. Brooks.	36,862	Mar. 29	109	1330
Hair-pin	A. E. Carlson.	36,937	May 31	110	417
Hammock	I. E. Palmer.	36,993	June 21	110	2224
Hammock-body	I. E. Palmer.	36,885	Apr. 19	109	2158
Hammock-cloth	D. W. Shoyer.	36,792	Feb. 9	108	1573
Hammock-cloth	D. W. Shoyer.	36,821	Feb. 23	108	2133
Hammock-cloth	D. W. Shoyer.	37,132	Sept. 13	112	490
Hammonica	F. Strauss.	37,236	Dec. 20	113	2202
Hammonica. Mouth.	H. Hohner.	36,748	Jan. 26	108	1039
Hat ornament.	C. Nuebling.	36,977	June 14	110	2004
Hat ornament.	C. Nuebling.	36,978	June 14	110	2004
Hat ornament.	C. Nuebling.	37,043	July 13	111	570
Hat-rest.	H. Frankel.	37,271	Dec. 20	113	2202
Heater	C. H. Boeck.	37,085	Aug. 9	111	1616
Heaters. Wheel-knob for oil	J. S. Frey.	37,159	Oct. 4	112	1204
Hip-strap drop.	J. A. Buckstaff.	37,110	Aug. 30	111	2482
Hose-rack member.	T. V. Forster.	37,049	July 19	111	737
Inkstand	A. E. Manor.	36,822	May 24	110	1156
Jewel-casket or similar article	E. L. Brainard.	36,833	Mar. 8	109	539
Jewel-casket or similar article	E. L. Brainard.	37,238	Nov. 22	113	1134
Jug, pitcher, or similar article	C. E. Haviland.	37,098	Aug. 23	111	2211
Key	C. J. Caley.	36,740	Jan. 19	108	786
Knife. Table.	C. J. Caley.	36,741	Jan. 19	108	786
Lamp	J. J. A. Munro.	37,007	June 28	110	2498
Lamp	A. H. Humphrey.	36,973	June 14	110	2003
Lamp	A. H. Humphrey.	36,974	June 14	110	2003
Lamp	A. H. Humphrey.	36,975	June 14	110	2003
Lamp	A. H. Humphrey.	36,976	June 14	110	2003
Lamp base. Gas.	A. H. Humphrey.	36,860	Mar. 29	109	1330
Lamp-chimney reflector.	L. Sepulchre.	36,802	Feb. 16	108	1860
Lamp-chimney reflector.	L. Sepulchre.	36,803	Feb. 16	108	1860
Lamp. Gas.	A. H. Humphrey.	36,861	Mar. 29	109	1330
Lamp-glass.	O. Schott.	37,192	Oct. 25	112	2084
Lamp. Incandescent.	A. E. Selling.	37,278	Dec. 27	113	2494
Lamp shade. Electric.	H. D'Olier, Jr.	37,246	Nov. 22	113	1136
Lamps. Hood for incandescent electric.	D. M. Gilbert.	37,178	Oct. 11	112	1466
Lavatory	C. Veelans.	36,823	Apr. 19	109	2158
Lavatory	C. Veelans.	36,907	May 8	110	297
Lavatory	T. J. Torrance.	36,918	May 17	110	549

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Design.	Name.	No.	Date.	Official Gazette.	
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Lavatory	F. J. Torrance and J. F. Whitehead	36,998	June 21	110	2223
Lavatory	F. J. Torrance and J. F. Whitehead	36,998	June 21	110	2223
Lavatory	W. H. Lloyd	37,256	Dec. 6	113	1696
Lavatory	T. Kelly	37,270	Dec. 20	113	2202
Lighting apparatus. Globe-support for incandescent	L. R. Hopton	38,743	Jan. 19	108	787
Liquid-container	O. Krause	36,750	Jan. 26	108	1040
Mantel	F. A. Broadbent	36,851	Mar. 15	109	797
Mantel	F. A. Broadbent	36,983	June 14	110	2005
Mantel	F. A. Broadbent	36,984	June 14	110	2005
Mat	J. E. MacMurray	37,045	July 12	111	570
Match-box	M. O. Anthony	36,793	Feb. 9	108	1576
Match-box or similar article	S. A. Keller	37,212	Nov. 8	113	98
Match-case	L. F. Morloch	36,923	May 24	110	1156
Match-safe or similar article	H. L. Rothschild	36,911	May 10	110	591
Match-safe or similar article	G. E. Homer	37,187	Oct. 18	112	1738
Medallion or similar article	A. J. Balish	36,897	May 3	110	295
Metallic articles. Border for	L. W. Rice	36,990	June 21	110	2222
Mirror-frame	V. E. Benza	37,219	Nov. 15	113	836
Mirrors. Back for	A. E. Hathaway	37,208	Nov. 8	113	538
Mirrors, brushes, or like toilet articles. Handle for	S. A. Keller	36,929	May 24	110	1157
Mirrors, brushes, or like toilet articles. Handle for	S. A. Keller	36,930	May 24	110	1158
Mirrors, brushes, or like toilet articles. Handle for	S. A. Keller	36,980	June 7	110	1711
Mirrors, brushes, or similar articles. Back for	H. A. Weihman	36,927	June 7	110	1711
Mirrors, brushes, or similar articles. Back for	H. A. Weihman	36,952	June 7	110	1711
Mirrors, brushes, or similar articles. Back for	W. Turton	37,148	Sept. 20	112	718
Mirrors, brushes, or similar articles. Back for	H. Hillbom	37,163	Oct. 11	112	1464
Mirrors, brushes, or similar articles. Back for	H. Hillbom	37,221	Nov. 15	113	837
Mirrors, brushes, or similar toilet articles. Back for	G. H. Berry	36,966	June 14	110	2001
Mirrors, brushes, or similar toilet articles. Back for	G. H. Berry	36,966	June 14	110	2001
Mirrors, brushes, or similar toilet articles. Back for	G. H. Berry	36,967	June 14	110	2002
Mirrors, brushes, or similar toilet articles. Back for	G. H. Berry	36,968	June 14	110	2002
Mirrors, brushes, or similar toilet articles. Back for	G. H. Berry	37,047	July 15	111	796
Mirrors or similar articles. Back for hand	Z. P. Enza	37,217	Apr. 21	109	129
Mirrors or similar articles. Back for hand	A. W. Snow	36,981	May 24	110	1158
Mirrors or similar articles. Back for hand	S. A. Keller	36,988	June 21	110	2222
Mirrors or similar articles. Back for hand	S. A. Keller	37,048	July 19	111	797
Mirrors or similar articles. Back for hand	S. A. Keller	37,119	Sept. 6	112	240
Monument	E. M. Wehman	36,832	Mar. 1	109	263
Monument	J. E. Bradford	37,086	Aug. 9	111	1616
Monument	C. A. Orleans	37,198	Oct. 25	112	2085
Mug	L. W. Rice	36,833	Mar. 15	109	798
Mug	L. V. Aronson	36,926	May 24	110	1157
Nail-files or similar articles. Handle for	S. A. Keller	36,989	June 21	110	2222
Nail-files, paper-knives, or similar articles. Handle for	A. E. Hathaway	37,207	Nov. 8	113	537
Oil-cloth	A. B. Buchanan	37,051	July 19	111	797
Oil-cloth	A. B. Buchanan	37,052	July 19	111	797
Oil-cloth	A. B. Buchanan	37,053	July 19	111	798
Oil-cloth	A. B. Buchanan	37,054	July 19	111	798
Oil-cloth	A. B. Buchanan	37,233	Nov. 15	113	840
Oven-plate	N. Magee	37,248	Nov. 22	113	1136
Paper-cutters or similar articles. Handle for	S. A. Keller	37,127	Sept. 13	112	488
Paper-knife	L. W. Rice	36,854	Mar. 15	109	798
Paper. Wall	C. W. Williams	37,186	Oct. 11	112	1468
Paper-weight	L. V. Aronson	36,872	Apr. 12	109	1877
Paper-weight	L. V. Aronson	36,873	Apr. 12	109	1877
Paper-weight	L. V. Aronson	36,874	Apr. 12	109	1877
Paper-weight	L. V. Aronson	36,904	May 3	110	296
Paper-weight	E. D. Conklin	37,010	June 28	110	2498
Paper-weight	W. D. Paulson and R. D. Heinbockel	37,254	Dec. 13	113	1960
Pattern. Arabesque	E. I. Denny	36,788	Feb. 9	108	1577
Paving roller. Cement	M. Alves	36,788	Feb. 9	108	1577
Pencil-holder	H. Y. Otto	37,094	Aug. 23	111	2210
Pencil. Lead	E. L. Schmitz	36,798	Feb. 16	108	1859
Picture-frame	H. L. Ashton	36,899	May 3	110	295
Picture-frame	V. Grazzini	36,899	May 24	110	1156
Picture-frame	C. S. Casad	37,075	Aug. 9	111	1614
Picture-frame mat	C. A. Hartman	36,846	Mar. 8	109	541
Pillow-sham or similar article	R. Zedler	36,980	June 14	110	2004
Pin. Clasp	H. W. Fishel	37,055	July 26	111	1029
Pin head. Hat	W. Turton	36,846	Mar. 1	109	797
Pin head. Hat	W. Turton	36,846	Mar. 22	109	1061
Pins or similar articles. Head for belt	W. Turton	36,913	May 17	110	848
Pipe	S. Kronburger	36,945	June 7	110	1710
Pitcher or similar article	W. B. Porter	37,244	Nov. 22	113	1135
Pitcher or similar article	C. E. Haviland	37,090	Aug. 23	111	2211
Plaque	C. E. Haviland	37,100	Aug. 23	111	2211
Plate or dish	F. W. Dieterich	36,902	May 3	110	296
Plate or plaque or similar article	G. E. Homer	37,170	Oct. 11	112	1465
Plate or similar article	C. J. Ahrenfeldt	37,169	Oct. 11	112	1465
Plate or similar article	C. J. Ahrenfeldt	36,899	Mar. 8	109	540
Plate or similar article	C. J. Ahrenfeldt	36,840	Mar. 8	109	540
Plate or similar article	C. J. Ahrenfeldt	36,841	Mar. 8	109	540
Plate or similar article	C. J. Ahrenfeldt	36,842	Mar. 8	109	540
Plate or similar article	C. E. Haviland	37,095	Aug. 23	111	2210
Plate or similar article. Dinner	J. Williamson	37,202	Nov. 1	113	271
Plate. Souvenir	C. W. Robinson	36,782	Feb. 9	108	1576
Plate, tray, or similar article	M. Tonnenmann	36,843	Mar. 8	109	540
Portière	C. E. Haviland	37,108	Aug. 23	111	2212
Powder receptacle. Toilet	R. Martindale	37,195	Oct. 11	112	1468
Radiator	S. M. Colgate	37,210	Nov. 8	113	538
Radiator-section	R. Martindale	37,041	July 12	111	570
Radiator-section	S. B. Waters	36,820	Feb. 23	108	2132
Range or stove. Cooking	A. J. Pieszak	37,215	Nov. 8	113	539
Ring or similar article	C. N. Liphart	36,894	Apr. 26	109	2432
Robe	P. Bellisio	37,230	Nov. 1	113	270
Rubber fabric. Sheet	P. Bellisio	36,981	June 14	110	2004
	D. B. Martin	37,057	July 26	111	1029

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Design.	Name.	No.	Date.	Official Gazette.	
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Rug	E. H. Bennett	36,773	Feb. 2	108	1819
Rug	E. H. Bennett	36,774	Feb. 2	108	1819
Rug	A. Petzold	36,775	Feb. 2	108	1819
Rug	A. Petzold	36,776	Feb. 2	108	1819
Rug	A. Petzold	36,777	Feb. 2	108	1819
Rug	J. A. Carroll	36,941	May 31	110	1418
Rug	J. A. Carroll	36,942	May 31	110	1418
Rug	J. A. Carroll	36,961	June 7	110	1714
Rug	G. M. Gillies	36,999	June 21	110	2224
Rug	G. M. Gillies	37,000	June 21	110	2224
Rug	G. M. Gillies	37,001	June 21	110	2224
Rug	J. A. Gillies	37,002	June 21	110	2225
Rug	H. A. Miller	37,003	June 21	110	2225
Rug	G. W. Perkins	37,004	June 21	110	2225
Rug	R. D. Stevens	37,005	June 21	110	2225
Rug	A. W. Bosch	37,013	June 28	110	2499
Rug	J. A. Gillies	37,014	June 28	110	2499
Rug	E. Hill	37,015	June 28	110	2499
Rug	H. A. Miller	37,016	June 28	110	2499
Rug	W. Reinhardt	37,017	June 28	110	2500
Rug	R. D. Stevens	37,018	June 28	110	2500
Rug	R. D. Stevens	37,019	June 28	110	2500
Rug	A. W. Bosch	37,028	July 5	111	292
Rug	A. W. Bosch	37,029	July 5	111	292
Rug	A. Petzold	37,060	Aug. 2	111	1354
Rug	A. Petzold	37,061	Aug. 2	111	1354
Rug	A. Petzold	37,062	Aug. 2	111	1354
Rug	A. Petzold	37,063	Aug. 2	111	1354
Rug	A. Petzold	37,064	Aug. 2	111	1354
Rug	A. Petzold	37,065	Aug. 2	111	1354
Rug	A. Petzold	37,066	Aug. 2	111	1354
Rug	J. A. Carroll	37,122	Sept. 6	112	240
Rug	J. A. Carroll	37,123	Sept. 6	112	241
Rug	J. A. Carroll	37,124	Sept. 6	112	241
Rug	E. H. Bennett	37,134	Sept. 13	112	490
Rug	E. H. Bennett	37,135	Sept. 13	112	490
Rug	E. H. Bennett	37,136	Sept. 13	112	490
Rug	E. H. Bennett	37,137	Sept. 13	112	490
Rug	E. H. Bennett	37,138	Sept. 13	112	491
Rug	E. H. Bennett	37,139	Sept. 13	112	491
Safe or vault body	W. Brinton and W. Gaston	36,919	May 17	110	849
Scale base. Letter	W. C. Codman	37,253	Dec. 6	113	1695
Screw-driver	W. S. Ward	37,214	Nov. 8	113	539
Seal-press body. Hand	J. Sigwalt and A. M. Willard	37,153	Sept. 27	112	948
Sewing. Stand for articles used in	J. J. Navo	37,105	Aug. 23	111	2212
Shade for illuminating devices	F. L. Perkins	36,955	June 7	110	1712
Shade for illuminating devices	F. L. Perkins	37,012	June 28	110	2499
Shavers	W. F. Hobbs	37,242	Nov. 22	113	1135
Show-case	J. T. Robin	36,991	June 21	110	2222
Show-case	J. T. Robin	36,992	June 21	110	2223
Sign-frame	J. L. Dawes	36,818	Feb. 23	108	2132
Silver, plated, or similar ware. Metal ornament for	G. H. Berry	36,969	June 14	110	2302
Silver, plated, or similar ware. Metal ornament for	G. H. Berry	36,970	June 14	110	2302
Sink. Kitchen	G. H. Berry	36,971	June 14	110	2302
Smoker's set	E. F. Gregg	36,995	June 21	110	2223
Snap-hook and trace-end retainer	J. M. Huffer	36,903	May 3	110	296
Souvenir-brick	H. M. Powers	37,039	July 12	111	569
Spoon	H. J. Reynolds	36,962	June 14	110	2301
Spoon	F. J. Knorr and A. S. Kuhn	36,773	Feb. 9	108	1575
Spoon, fork, or similar article	G. H. Barrett, Jr.	37,220	Nov. 15	113	837
Spoon or similar article	P. Margolis and H. Metzger	37,241	Nov. 22	113	1135
Spoon or similar article	C. A. Bennett	37,140	Sept. 20	112	717
Spoon or similar article	G. E. Homer	37,201	Nov. 1	113	271
Spoon. Souvenir	W. C. Codman	37,240	Nov. 22	113	1134
Spoon. Souvenir	C. J. Dale	36,763	Feb. 2	108	1317
Spoons, forks, or similar articles. Handle for	W. M. Davis	37,058	Aug. 2	111	1353
Spoons, forks, or similar articles. Handle for	J. H. Hobson	36,759	Jan. 26	108	1041
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,784	Feb. 16	108	1859
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,785	Feb. 16	108	1859
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,796	Feb. 16	108	1859
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,826	Mar. 1	109	267
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,827	Mar. 1	109	267
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,828	Mar. 1	109	267
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,829	Mar. 1	109	267
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,834	Mar. 8	109	539
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,852	Mar. 15	109	798
Spoons, forks, or similar articles. Handle for	G. P. Tilton	36,879	Apr. 19	109	2157
Spoons, forks, or similar articles. Handle for	W. C. Codman	36,889	Apr. 26	109	2491
Spoons, forks, or similar articles. Handle for	G. P. Ittig	36,890	Apr. 26	109	2492
Spoons, forks, or similar articles. Handle for	G. P. Ittig	36,891	Apr. 26	109	2492
Spoons, forks, or similar articles. Handle for	J. Rothlisberger	36,892	Apr. 26	109	2492
Spoons, forks, or similar articles. Handle for	J. Rothlisberger	36,893	Apr. 26	109	2492
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,900	May 3	110	296
Spoons, forks, or similar articles. Handle for	E. Crees and C. S. Court	36,901	May 3	110	296
Spoons, forks, or similar articles. Handle for	G. H. Dyson	36,914	May 17	110	848
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,927	May 24	110	1157
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	36,928	May 24	110	1157
Spoons, forks, or similar articles. Handle for	T. Heath and C. H. Such	36,932	May 31	110	1416
Spoons, forks, or similar articles. Handle for	P. Farnham	36,946	June 7	110	1710
Spoons, forks, or similar articles. Handle for	P. Farnham	36,947	June 7	110	1710
Spoons, forks, or similar articles. Handle for	P. Farnham	36,948	June 7	110	1711
Spoons, forks, or similar articles. Handle for	G. W. Shiebler	36,949	June 7	110	1711
Spoons, forks, or similar articles. Handle for	W. C. Codman	37,006	June 28	110	2498
Spoons, forks, or similar articles. Handle for	L. W. Banks	37,007	July 5	111	291
Spoons, forks, or similar articles. Handle for	F. H. Haessack	37,056	July 26	111	1029
Spoons, forks, or similar articles. Handle for	S. Stohr	37,059	Aug. 2	111	1353
Spoons, forks, or similar articles. Handle for	J. E. Straker, Jr.	37,070	Aug. 9	111	1613

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Design.		Name.	No.	Date.	Official Gazette.	
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Spoons, forks, or similar articles.	Handle for.	E. Goetze	37,088	Aug. 16	111	1924
Spoons, forks, or similar articles.	Handle for.	P. Farnham	37,118	Sept. 6	112	239
Spoons, forks, or similar articles.	Handle for.	H. Hillbom	37,164	Oct. 11	112	1464
Spoons, forks, or similar articles.	Handle for.	H. L. Wallace	37,165	Oct. 11	112	1464
Spoons, forks, or similar articles.	Handle for.	H. L. Wallace	37,166	Oct. 11	112	1464
Spoons, forks, or similar articles.	Handle for.	W. A. Jameson	37,167	Oct. 11	112	1464
Spoons, forks, or similar articles.	Handle for.	W. C. Codman	37,190	Oct. 25	112	2084
Spoons, forks, or similar articles.	Handle for.	S. Stohr	37,191	Oct. 25	112	2084
Spoons, forks, or similar articles.	Handle for.	H. L. Wallace	37,206	Nov. 8	113	537
Spoons, forks, or similar articles.	Handle for.	W. C. Codman	37,239	Nov. 22	113	1134
Spoons, forks, or similar articles.	Handle for.	E. V. Brainard	36,751	Jan. 26	108	1040
Spoons, forks, or similar articles.	Handle for.	J. E. Straker, Jr.	36,726	Jan. 5	108	278
Spoons or similar articles.	Handle for.	S. J. Large	36,737	Jan. 19	108	786
Spoons or similar articles.	Handle for.	S. J. Large	36,835	Mar. 8	109	539
Stamp. Trading.		T. P. Hunter	36,921	May 24	110	1156
Standard for lights, clocks, &c.		H. P. Lewandowski	37,160	Oct. 11	112	1463
Statue.		L. V. Aronson	36,858	Mar. 29	109	1329
Statuette.		A. W. and H. C. Holmes	36,958	June 7	110	1712
Steering-wheel.		L. Morgan	37,162	Oct. 11	112	1463
Stick-pin.		F. Sollee	36,896	Apr. 26	109	1432
Stock.		P. H. Ficken	36,883	Apr. 19	109	2138
Stove.		G. W. Cope and W. L. Bertram	36,912	May 10	110	591
Stove.		H. W. Beattie	36,986	June 14	110	2006
Stove.		F. J. Frey and A. Ohnemus	37,050	July 19	111	797
Stove.		J. P. Querbacher	32,067	Aug. 9	111	1354
Stove.		T. R. Kennedy and E. J. King	37,083	Aug. 9	111	1616
Stove.		T. R. Kennedy and E. J. King	37,084	Aug. 9	111	1616
Stove.		T. M. Barbee and S. P. Vogt	37,121	Sept. 6	112	240
Stove.		G. W. Cope and W. L. Bertram	37,130	Sept. 13	112	489
Stove.		H. W. Beattie	37,251	Nov. 22	113	1408
Stove.		G. M. Coke	37,271	Dec. 20	113	2202
Stove cover. Heating.		E. B. Adler	37,115	Aug. 30	111	2483
Stove-door.		D. F. Printz	36,732	Jan. 12	108	550
Stove. Gas.		W. M. Crane	37,114	Aug. 30	111	2483
Stove. Heating.		F. W. Law	36,819	Feb. 23	108	2132
Stove. Heating.		E. B. Adler	37,081	Aug. 9	111	1615
Stove. Heating.		E. B. Adler	37,082	Aug. 9	111	1615
Stove. Heating.		E. B. Adler	37,273	Dec. 20	113	2203
Stove or range.		B. J. Taylor	37,183	Oct. 11	112	1468
Stove or range.		J. Magee	37,229	Nov. 15	113	839
Stove or range.		J. Magee	37,230	Nov. 15	113	839
Stove or range.		J. Magee	37,231	Nov. 15	113	839
Stove-plates or similar articles.	Rim for.	J. Magee	37,247	Nov. 22	113	1136
Stove top. Heating.		E. B. Adler	37,116	Aug. 30	111	2483
Stove window-setting.		D. F. Drury	37,092	Aug. 16	111	1923
Surrey-body		D. L. Tschlaantz	37,270	Dec. 27	113	2494
Suspender button-piece		W. H. Johnson	36,737	Feb. 16	108	1839
Tableware. Bas-relief border for metallic.		A. Steffin	36,813	Feb. 23	108	2131
Tableware. Metallic border for		A. Steffin	36,849	Mar. 15	109	797
Tableware. Open-work border for metallic.		A. Steffin	36,829	Mar. 1	109	267
Tea or coffee pot or similar article		A. Steffin	37,008	June 28	110	2498
Teapot or similar article.		C. J. Ahrenfeldt	36,838	Mar. 8	109	540
Tiling.		A. A. Spadone	36,761	Jan. 26	108	1042
Tiling for floor and wall coverings.		J. A. Sloan	36,920	May 17	110	850
Toy bank.		A. W. Nilsson	36,906	May 3	110	297
Toy bank.		L. W. Knighton	36,796	Feb. 2	108	1317
Toy figure.		A. C. Williams	36,880	Apr. 19	109	2157
Toy figure.		A. Schoenhut	36,917	May 17	110	849
Tray.		L. Ruchstein	37,068	Aug. 9	111	1613
Tray. Bread.		A. Steffin	37,009	June 28	110	2498
Trimming.		S. Isaac	37,025	July 5	111	201
Trimming.		A. M. Weber	37,044	July 12	111	570
Trimming for ladies' underwear		A. S. Waitzfelder	37,249	Nov. 22	113	1136
Trimming for ladies' underwear		T. Kerwin and J. McGinley	37,258	Dec. 6	113	1696
Type. Font of.		A. S. Waitzfelder	36,958	Apr. 26	109	2432
Type. Font of.		W. D. Orcutt	36,908	May 3	110	297
Type. Font of.		I. Kimball	36,905	May 3	110	297
Type. Font of.		S. C. Gaunt	37,154	Sept. 27	112	948
Type. Font of.		M. F. Benton	37,234	Nov. 15	113	840
Type. Font of printing.		M. F. Benton	37,235	Nov. 15	113	840
Type. Font of printing.		S. M. Weatherly	37,196	Oct. 25	112	2085
Type ornaments. Font of.		G. Mason	37,197	Oct. 25	112	2085
Umbrella and cane rack		W. H. Bradley and M. F. Benton	37,072	Aug. 9	111	1614
Upholstery fabric		J. H. Petroskey	36,787	Feb. 9	108	1577
Vehicle-seat		P. Bonnet	37,133	Sept. 13	112	489
Vending-machine casing		C. H. Davis	36,729	Jan. 5	108	278
Vending-machine casing.		F. L. Nichols	36,786	Feb. 9	108	1577
Vending-machine casing. Multiple.		H. G. Heisch	37,177	Oct. 11	112	1466
Waffle-iron cover		G. B. Townsend	37,195	Oct. 25	112	2085
Watch-charm		A. Andresen	37,277	Dec. 27	113	2494
Watch-wheel		N. B. Levy	36,734	Jan. 5	108	278
Water-bag		F. J. Reaves	36,778	Feb. 9	108	1575
Water-closet bowl.		A. C. Eggers	37,227	Nov. 15	113	839
Water-closet bowl.		P. J. Madden	37,179	Oct. 11	112	1467
Water-heater		P. J. Madden	37,180	Oct. 11	112	1467
Wire fabric		H. J. Blanke	37,113	Aug. 30	111	2483
		O. R. Hunt	36,745	Jan. 19	108	787

ALPHABETICAL LIST OF TRADE-MARKS.

Title.	Name	No.	Date.	Official Gazette.	
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Abbrading and burnishing powders	C. D. Durkee	49,362	Sept. 13	112	495
Absinthe	O. L. Pernod	42,402	Apr. 19	109	2169
Absorbent articles. Certain named	Norfolk Linen Company	42,555	May 24	110	1159
Advertising novelties. Certain named	Whitehead & Hoag Co.	42,526	May 3	110	298
Agricultural implements. Certain named	Moline Plow Co.	43,818	Dec. 6	113	1699
Agricultural machines and extra and repair parts and pieces therefor. Certain named	International Harvester Company of America.	42,871	June 21	110	2230
Agricultural machines and extra and repair parts and pieces therefor. Certain named	International Harvester Company of America.	42,872	June 21	110	2230
Agricultural machines and extra and repair parts and pieces therefor. Certain named	International Harvester Company of America.	42,338	Aug. 23	111	2215
Agricultural machines and extra and repair parts and pieces therefor. Certain named	International Harvester Company of America.	43,742	Nov. 22	113	1138
Ale. Hop-	Wheatley & Bates	42,299	Mar. 29	109	1332
Ale, porter, and beer	Lembeck & Betz Eagle Brewing Co.	43,085	Aug. 2	111	1356
Ale, stout, porter, and beer	William A. Miles & Company	42,799	June 14	110	2007
Alimentary products. Certain named	Erste Wiener Export-Malzfabrik Hauser & Sobotka.	42,250	Aug. 30	111	2494
Almanacs	Gruber Almanack Co.	42,192	Mar. 8	109	542
Almanacs	Gruber Almanack Co.	42,193	Mar. 8	109	542
Anemometers	Short & Mason	43,906	Dec. 20	113	2210
Anesthetic for the painless extraction of teeth. Local	H. L. Wheeler	42,240	Mar. 15	109	790
Anesthetic. Local	Schiffel & Co.	43,837	Dec. 13	113	1962
Animal-dip and insecticides	P. R. Palethorpe	41,929	Jan. 19	108	792
Antifebrin for all classes of germ fevers	G. W. Johnson	43,887	Dec. 20	113	2207
Antineuralgic	Farbenfabriken of Elberfeld Co.	43,416	Sept. 27	112	950
Antineuralgic	Farbenfabriken of Elberfeld Co.	43,417	Sept. 27	112	950
Antipyretic	Farbenfabriken of Elberfeld Co.	41,937	Jan. 19	108	792
Antipyretic	Farbenfabriken of Elberfeld Co.	42,140	Feb. 23	108	2139
Antiseptic	Farbenfabriken of Elberfeld Co.	42,947	Dec. 27	113	2499
Antiseptic and disinfecting preparations	Jeyes' Sanitary Compounds Company	42,465	Apr. 26	109	2433
Antiseptic emollient	Schaefer Chemical Company	42,249	Mar. 15	109	801
Antiseptic for certain named diseases	James Chemical Co.	43,780	Nov. 20	113	1411
Antiseptic or disinfectant preparations	Smith, Kline & French Co.	43,504	Oct. 11	112	1473
Antiseptic powder for certain named diseases	D. W. Rees	43,135	Feb. 23	108	2138
Antiseptic preparations	J. C. Wartman	42,745	Aug. 2	111	1835
Antiseptics	J. C. Wise	42,745	May 31	110	1424
Antiseptics	R. W. Bardach	43,030	July 19	111	800
Antiseptics and germicides	M. W. Savage	41,815	Jan. 5	108	281
Antiseptics and washes for the mouth and teeth	F. A. Schulz	42,559	May 24	110	1159
Antiseptics. Dust-laying	Perolin Company of America.	42,989	July 12	111	573
Apparel. Certain named wearing	Consumers Clothing Company	43,073	Aug. 2	111	1835
Apples in barrels. Green	J. W. Thorn & Co.	43,929	Dec. 27	113	2497
Arch-supporters	W. M. Eisen	42,211	Aug. 16	111	1332
Asphalt, asphalt gum, and asphalt paint	F. Callahan	43,363	Sept. 13	112	495
Asphalt, asphalt products, and bituminous material	Sun Company	42,485	Oct. 11	112	1472
Asphalt for certain named purposes. Refined	Barber Asphalt Paving Company.	42,905	Dec. 20	113	2209
Asphalts for certain named purposes. Refined	Barber Asphalt Paving Company.	42,307	Mar. 29	109	1332
Asthma. Compound for the cure of.	Williams and Cole	42,445	Apr. 19	109	2164
Automobile accessories. Certain named	G. L. Herz	43,324	Sept. 6	112	246
Automobiles and their parts	C. H. Blomstrom Motor Co.	41,993	Jan. 26	108	1047
Axes and hatchets	American Axe & Tool Co.	42,649	May 17	110	854
Axes, hatchets, and adzes	Supplee Hardware Company	42,050	Feb. 9	108	1583
Axle-grease	W. N. Ley	42,412	Apr. 19	109	2161
Axle-grease and axle-oils	J. P. Campbell	43,285	Sept. 6	112	243
Bags	Bemis Bro. Bag Company	43,500	Oct. 11	112	1472
Bags. Leather	Hunt Leather Goods Co.	41,805	Jan. 5	108	281
Bakery products. Certain named	National Biscuit Company	41,868	Jan. 12	108	554
Baking-powder	International Food Co.	41,977	Feb. 2	108	1321
Baking-powder	M. C. Young	42,761	June 7	110	1716
Baking-powder	J. H. Grant Chemical Company	43,045	July 19	111	801
Baking-powder	J. H. Parrish	42,058	July 26	111	1031
Baking-powder	Southern Baking Powder Co.	43,609	Nov. 1	113	272
Baking-powder	A. Reiter & Co.	43,685	Nov. 8	113	544
Baking-powder	H. O. Beckett	43,769	Nov. 29	113	1410
Baking-powder	A. E. Davis	43,925	Dec. 27	113	2499
Baking-powder	Continental Baking Powder Co.	43,244	Dec. 27	113	2499
Baking-powder and cooking-soda	Southern Soda Works Co.	43,323	Aug. 23	111	2213
Baking-powder and soda	McCord-Stewart Company	42,381	Apr. 12	109	1882
Baking-powders	Banner Baking Powder Co.	43,824	Dec. 6	113	1700
Balls, ball-bearings, and machine parts in which they are used	E. G. Hoffmann	43,038	July 19	111	801
Balls. Base-	C. Disch	42,147	Feb. 23	108	2139
Banjos and drumheads	Duplex Manufacturing Company	42,430	Oct. 4	112	1205
Barley	E. S. Anthony Company	43,835	Dec. 13	113	1962
Barometers	Short & Mason	43,789	Nov. 29	113	1410
Barytes	J. T. Williams & Sons	42,098	Aug. 2	111	1357
Bath-fittings. Certain named	Silver & Co.	42,965	July 5	111	296
Bath-room and lavatory receptacles. Certain named	J. P. Eustis Manufacturing Co.	42,224	Mar. 8	109	545
Bath-room specialties. Certain named	Searls Manufacturing Co.	42,292	Sept. 6	112	243
Baths. Chemical preparations for sulfur	Chemische Fabrik Vechelde A. G.	42,422	Apr. 19	109	2162
Battery cells. Dry-	National Carbon Company	43,117	Aug. 2	111	1359
Battery cells. Dry-	National Carbon Company	43,118	Aug. 2	111	1360

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Battery cells. Dry.	National Carbon Company	43,119	Aug. 2	111	1360
Battery cells. Dry.	National Carbon Company	43,120	Aug. 2	111	1360
Bearing metals. Certain named	John Finn Metal Works	41,877	Jan. 12	108	555
Bearing metals. Certain named	John Finn Metal Works	41,878	Jan. 12	108	556
Bearings. Ball	Hess-Bright Manufacturing Co.	43,203	Sept. 6	112	243
Bearings. Ball	Auburn Ball Bearing Company	43,323	Sept. 6	112	246
Bearings for machines. Journal and shaft	D. E. Kempster	42,464	Apr. 19	109	2166
Bearings for shafts.	D. E. Kempster	42,463	Apr. 19	109	2166
Beds. Spring.	National Wire Mattress Co.	43,342	Apr. 5	109	1602
Bearings. Brass and iron.	Marion Iron & Brass Bed Co.	43,122	Aug. 2	111	1360
Beef. Predigested.	H. K. Mulford Co.	42,303	Mar. 29	109	1332
Beer.	Monumental Brewing Company of Baltimore City.	42,982	July 12	111	572
Beer.	National Brewery Company	42,983	July 12	111	572
Beer.	A. Schneider	43,056	July 26	111	1031
Beer, ale, malt extract, and malt tonic	Milwaukee-Waukesha Brewing Company.	43,771	Nov. 29	113	1410
Beer, ale, porter, and malt extract. Lager.	Duluth Brewing & Malting Co.	42,717	May 31	110	1421
Beer and malt tonic	Central Consumers Company	43,086	Aug. 2	111	1356
Beer and porter.	Bernheimer & Schwartz Pilsener Brewing Company	42,716	May 31	110	1421
Beer. Lager.	Cumberland Brewing Co. of Allegany County.	42,441	Apr. 19	109	2164
Beer. Lager.	Brauerei zum Munchner Kindl.	43,636	Nov. 1	113	275
Bells. Artificial and ornamental.	W. Heilmann	43,720	Nov. 22	113	1368
Belting	Jewell Belting Co.	43,183	Nov. 15	110	270
Belting	Jewell Belting Co.	42,557	May 3	110	302
Belting	Gandy Belting Company	43,350	Sept. 13	112	494
Belting	Gandy Belting Company	43,351	Sept. 13	112	494
Belting. Certain named	C. L. Ireson	43,810	June 14	110	2008
Belting. Certain named	C. L. Ireson	43,068	July 26	111	1032
Belting. Leather	Graton and Knight Manufacturing Company.	42,347	Apr. 5	109	1602
Belting. Leather.	Graton and Knight Manufacturing Company.	43,407	Sept. 27	112	949
Belts and belting. Machine	Fleming Kirkby & Goodall	43,999	Dec. 27	113	2498
Belts and buckles therefor	E. & J. Bass	43,747	Nov. 22	113	1339
Belts. Electric	Electric Appliance Co.	41,958	Jan. 26	108	1046
Belts. Electric	M. A. McLaughlin	42,959	July 5	111	295
Belts for driving machinery. Fasteners for	M. L. Easton	42,648	May 17	110	854
Beverage and syrup for soda-water. Tonic	Kaska Kuler Co.	43,096	Nov. 15	113	841
Beverage. Certain named	W. H. Hutchinson & Son	42,233	Mar. 15	109	800
Beverage. Certain named	Coco Phosphate Company	43,139	Aug. 9	111	1618
Beverage. Certain named non-alcoholic	Nervola Co.	43,411	Sept. 27	112	949
Beverage composed principally of whisky and syrup	J. Morison	42,541	May 3	110	300
Beverage made from fruit. Sparkling	E. J. Cantin	43,613	Nov. 1	113	273
Beverage manufactured from apple-cider.	Morgan-Lyons Vinegar Co.	42,078	Feb. 16	108	1864
Beverage. Tonic	H. K. Wampole & Co.	43,615	Nov. 1	113	273
Beverages and extracts for making the same. Certain named non-alcoholic	M. Strehlow	42,840	June 21	110	2227
Beverages and syrup for the same. Carbonated.	Mintola Company	43,355	Sept. 13	112	495
Beverages and syrups for the same. Aerated	B. H. McDonald	43,614	Nov. 1	113	273
Beverages. Certain named	A. Ludorff	42,081	Feb. 9	108	1581
Beverages. Certain named	Schmeltzer Bros.	42,715	May 31	110	1421
Beverages. Composite material for making	S. B. Dexter	42,076	Feb. 16	108	1864
Beverages having tonic, appetizing, and stimulating properties. Compounded	L. D. Gardner	42,122	Feb. 23	108	2137
Beverages. Tonic	Blue Ridge Beverage & Extract Co.	43,687	Nov. 8	113	544
Bicycle parts. Certain named.	New Departure Manufacturing Company.	42,561	May 3	110	302
Biscuits	Austin, Young & Co.	41,894	Jan. 19	108	769
Biscuits, cakes, crackers, and ginger-snaps.	Columbia Biscuit Company	42,686	May 24	110	1162
Bitters	Carmeliter Stomach Bitters Co.	42,890	June 28	110	2503
Bitters	Bitter Apple Bitters Co.	43,200	Aug. 16	111	1930
Bitters and tonic medicines. Stomach.	Brany, Polisek & Nagy	43,697	Nov. 15	113	842
Bitters. Stomach.	H. Kuhn	41,015	Jan. 19	108	791
Blutunious composition or cement	Golden Seal Manufacturing Company.	42,690	May 24	110	1163
Blackening, dressing, and polish. Certain named	Warren Brothers Company	42,743	May 31	110	1423
Blankets and like protective coverings.	Rex Polish Company	42,670	Apr. 12	110	1161
Blankets. Certain named	Smith, Hogg & Co.	42,359	Apr. 29	109	1880
Blankets. Certain named	Chatham Mfg. Co.	43,371	Sept. 20	112	721
Blasting-batteries	Chatham Mfg. Co.	43,372	Sept. 20	112	721
Blasting compounds and ingredients thereof	F. L. M. Masury	42,698	May 24	110	1164
Blood-purifiers	Kenock Powder Company.	42,047	Feb. 9	108	1583
Blood-purifying tea	M. W. Monnett	43,507	Oct. 11	112	1473
Blowpipe system. Certain named	M. Sullivan	43,950	July 5	111	294
Bluing. Laundry	P. C. Miller	43,215	Aug. 16	111	1032
Boilers. Fluids for preventing incrustation in steam.	Laundry Blue Company	41,952	Jan. 26	108	1045
Boilers for kitchen-ranges and steam-jacket kettles.	W. Kenworthy	42,594	May 10	110	595
Bolts, their parts and appliances. Expansion.	E. B. Badger & Co.	42,969	July 5	111	296
Bolts, their parts and appliances. Expansion.	Star Expansion Bolt Co.	42,908	June 28	110	2504
Book-leaves. Certain named	Star Expansion Bolt Co.	42,909	June 28	110	2504
Books	Jones Improved Loose Leaf Specialty Co.	43,937	Dec. 27	113	2498
Books	E. L. Du Bose	41,882	Jan. 19	108	788
Books. Account, blank, and time.	Lothrop Publishing Company	41,940	Jan. 26	108	1044
Books made of textile fabric	O. E. Shaffer	43,525	Oct. 18	112	1739
Books made of textile fabric	H. S. Dean	42,327	Mar. 15	109	799
Boot-protectors of metal and of metal and rubber	Blakey's Boot Protectors	42,328	Mar. 15	109	799
Boots and shoes and leather for same. Leather.	F. G. Jones	43,392	Sept. 13	112	723
Boots and shoes and leather for same. Leather.	F. G. Jones	42,366	Apr. 12	109	1880
Boots and shoes. Certain named	Nice & Hutchins	42,367	Apr. 12	109	1880
Boots and shoes. Certain named	L. Keifer & Co.	43,797	Dec. 6	113	1697
Boots and shoes. Certain named	A. E. Little & Co.	41,888	Jan. 19	108	788
		43,777	Sept. 6	112	242

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Boots and shoes. Leather.	E. S. Gile	41,806	Jan. 5	108	281
Boots and shoes. Leather.	J. H. Cross	41,854	Jan. 12	108	553
Boots and shoes. Leather.	Julian & Kokenge Co	41,855	Jan. 12	108	553
Boots and shoes. Leather.	T. F. Peirce & Son	41,856	Jan. 12	108	553
Boots and shoes. Leather.	Boegle Bros	41,857	Jan. 19	108	788
Boots and shoes. Leather.	W. F. Cramer	41,912	Jan. 19	108	791
Boots and shoes. Leather.	Retailers Specialty Mfg. Co.	41,931	Jan. 26	108	1043
Boots and shoes. Leather.	Retailers Specialty Mfg. Co.	41,932	Jan. 26	108	1043
Boots and shoes. Leather.	Geo. E. Keith Company	41,967	Feb. 2	108	1320
Boots and shoes. Leather.	W. F. Mayo	42,009	Feb. 9	108	1373
Boots and shoes. Leather.	R. L. Ream	42,066	Feb. 16	108	1863
Boots and shoes. Leather.	G. Leal	42,101	Feb. 23	108	2135
Boots and shoes. Leather.	Urfit Company	42,205	Mar. 8	109	543
Boots and shoes. Leather.	C. E. Green & Co.	42,264	Mar. 22	109	1062
Boots and shoes. Leather.	C. E. Green & Co.	42,265	Mar. 23	109	1063
Boots and shoes. Leather.	Alter & McCaffrey Co.	42,288	Mar. 29	109	1331
Boots and shoes. Leather.	M. M. Baker	42,364	Apr. 12	109	1880
Boots and shoes. Leather.	P. W. Minor & Son	42,395	Apr. 19	109	2159
Boots and shoes. Leather.	George E. Keith Company	42,436	Apr. 19	109	2163
Boots and shoes. Leather.	Middlesex Shoe Co.	42,487	Apr. 26	109	2438
Boots and shoes. Leather.	Moore-Shafer Shoe Manufacturing Co.	42,469	Apr. 26	109	2433
Boots and shoes. Leather.	J. McBrearty	42,613	May 17	110	851
Boots and shoes. Leather.	Lynchburg Shoe Co	42,706	May 31	110	1419
Boots and shoes. Leather.	Charles Jones Shoe Co	42,730	May 31	110	1419
Boots and shoes. Leather.	N. C. Bohr & Sons	42,758	June 7	110	1716
Boots and shoes. Leather.	J. Rosenheim & Sons	42,759	June 7	110	1716
Boots and shoes. Leather.	W. L. Douglas Shoe Co	42,833	June 21	110	2226
Boots and shoes. Leather.	George E. Keith Company	42,878	June 28	110	2501
Boots and shoes. Leather.	J. E. Zimmer Company	42,939	July 5	110	2947
Boots and shoes. Leather.	Bailey & Davis	43,019	July 19	111	799
Boots and shoes. Leather.	W. A. Weis	43,220	Aug. 23	111	2213
Boots and shoes. Leather.	I. Kohlman	43,275	Sept. 6	112	242
Boots and shoes. Leather.	I. Kohlman	43,276	Sept. 6	112	242
Boots and shoes. Leather.	Geo. D. Whit Shoe Co	43,299	Sept. 6	112	244
Boots and shoes. Leather.	Geo. E. Keith Company	43,498	Oct. 11	112	1472
Boots and shoes. Leather.	Barke & Company	43,919	Dec. 27	113	2496
Boots and shoes. Leather.	Chambersburg Shoe Mfg. Co.	43,920	Dec. 27	113	2496
Boots and shoes made of leather, kid, vici, or other skins.	I. Keiffer & Co	42,010	Feb. 9	108	1579
Boots, shoes, and slippers and leather for the same. Leather.	Cary Hutchinson Company	42,736	Dec. 31	113	1997
Boots, shoes, and slippers. Leather.	Eichengreen & Co.	42,100	Feb. 23	108	2134
Bottle-closures.	Crown Cork and Seal Co.	42,597	May 10	110	595
Bottle-closures.	Crown Cork and Seal Co.	42,598	May 10	110	595
Bottle-corking machines.	H. Reisinger	41,999	Feb. 2	108	1324
Bottle-stoppers.	A. Blumer	42,223	Mar. 8	109	545
Bottles.	Charles Boldt Glass Company	43,383	Sept. 20	112	722
Boxes.	L. Hefter	43,194	Aug. 16	111	1930
Boxes. Folding paper.	Whitney & Company	43,004	July 12	111	575
Boxes. Paper.	Randolph Paper Box Co	42,677	May 24	110	1161
Braid. Mercerized cotton	D. Goff & Sons	42,972	July 12	111	571
Braids.	J. W. Schloss	42,499	Oct. 11	112	1482
Braids. Certain named	Sutcliffe & Swift	42,874	June 28	110	2501
Braids. Skirt-binding	Ticknor & Co	42,522	May 8	110	298
Brandy.	J. Robin & Co	42,666	May 24	110	1160
Brass or copper or alloys thereof. Sheets and bars of	Taunton-New Bedford Copper Co.	43,423	Sept. 27	112	950
Bread.	J. E. Blackburn	42,408	Apr. 19	109	2151
Bread, biscuits, and cakes made from bananas	W. A. Jones	42,409	Apr. 19	109	2161
Bread, biscuits, and cakes made of dried bananas and cereals.	W. A. Jones	42,112	Feb. 23	108	2136
Bread, biscuits, crackers, and cakes	P. Fox	43,666	Nov. 8	113	542
Bread, biscuits, crackers, gems, and wafers	Booklovers Library	41,966	Jan. 12	108	554
Brewers' and distillers' grains	Atlantic Export Company	42,589	May 10	110	595
Brick. Fire.	Queens Run Fire Brick Co.	43,000	July 12	111	574
Bricks for paving and building purposes.	Nelsonville Sewer Pipe Co.	43,174	Aug. 16	111	1927
Bridles and sets of harness	G. Gibson	42,880	June 28	110	2501
Brooms	American Broom Company	42,322	Sept. 6	112	242
Brushes.	Geo. R. Gibson Co.	43,816	Dec. 6	113	1699
Brushes. Certain named	J. C. Dowd & Co.	43,445	Oct. 4	112	1206
Brushes for toilet purposes	Florence Manufacturing Co.	41,833	Jan. 5	108	283
Brushes. Sash-tool and sweeping	E. Clinton & Co	43,426	Sept. 27	112	950
Brushes. Tooth-	D. M. Clapp	41,965	Jan. 19	108	553
Buckles. Suspender.	Harris Shapewear Co.	43,263	Apr. 26	109	1046
Building-blocks. Machines for making artificial-stone	Harmon S. Palmer Hollow Concrete Building Block Co.	42,790	June 7	110	1720
Building-blocks. Machines for making artificial-stone	Harmon S. Palmer Hollow Concrete Building Block Co.	42,791	June 7	110	1720
Building-blocks. Machines for making artificial-stone	Harmon S. Palmer Hollow Concrete Building Block Co.	42,792	June 7	110	1720
Building-blocks. Machines for making artificial-stone	Harmon S. Palmer Hollow Concrete Building Block Co.	42,793	June 7	110	1720
Building materials. Certain named	Keassey & Mattison Company	42,484	Oct. 11	112	1471
Building materials for certain named purposes	R. Taylor	42,549	Oct. 18	112	1741
Burglar-alarm for doors	J. A. Britton	43,390	Sept. 20	112	732
Burner-mantles	Anglo-American Incandescent Gas Light Company	42,993	July 12	111	574
Butter	Hanford Produce Company	42,924	Feb. 9	108	1580
Butter	P. H. Hofmann & Company	43,694	Nov. 15	113	841
Butter	A. Lopez	43,694	Nov. 15	113	841
Butter and cheese	A. H. Barber & Company	42,943	Dec. 27	113	2499
Butterine	Globe Butter Co	42,826	June 14	110	2010
Buttons	Boepple Button Co.	42,572	Oct. 11	112	1473
Buttons	P. H. Lindner	42,663	Nov. 8	113	542
Buttons and studs	T. I. Smith Co	42,736	May 31	110	1423
Cabinet. Combination advertising emergency accident	Emergency Accident Supply Co.	43,386	Sept. 20	112	732
Cake	J. S. Ivins' Sons	43,310	Sept. 6	112	245
Cake-irons	Alfred Andersen & Co.	43,681	Nov. 8	113	544
Cameras and plates. Photographic.	H. Dawson	42,692	May 24	110	1163

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Cameras and tripods. Photographic	Anthony and Scovill Company	41,995	Feb. 2	108	1333
Candies, chocolate, and preparations of chocolate and co-coas.	T. Leeming & Co	43,024	July 19	111	799
Candy	F. Laurent & Sons	41,822	Jan. 5	108	282
Candy	Postum Cereal Co.	42,072	Feb. 16	108	1864
Candy	Murbach Company of Baltimore City.	42,114	Feb. 23	108	2136
Candy	Electric Candy Machine Co	42,843	June 21	110	2328
Candy	Ramona Candy Company	43,087	Aug. 2	111	1356
Candy	G. Haugwitz	43,873	Aug. 20	113	2306
Candy	G. Haugwitz	43,874	Dec. 20	113	2306
Candy	G. Haugwitz	43,875	Dec. 20	113	2306
Candy, candied fruit, and candied popcorn	Plows Candy Company	43,602	Oct. 25	112	2088
Candy kisses	Wilder & Buchanan	42,115	Feb. 23	108	2136
Candy. Peanut-butter	Boas Shorb	42,584	May 10	110	834
Candy. Tablet	Ramona Candy Co	43,141	Aug. 9	111	1619
Candies	Liljeholmsens Stearinfabriks Aktiebolag	43,637	Nov. 1	113	275
Canned and bottled fruits and vegetables.	S. Hamill Company	42,180	Mar. 1	109	271
Canned and bottled fruits and vegetables.	Seeman Bros.	42,883	June 28	110	2502
Canned clams	A. Sigurdson	43,833	Dec. 13	113	1961
Canned fish	O. Shepard & Co.	43,180	Aug. 16	111	1928
Canned fruits	Acker, Merrill & Condit Co.	42,022	Feb. 9	108	1580
Canned fruits and vegetables	West Coast Grocery Company	43,246	Aug. 30	111	2484
Canned fruits and vegetables	West Coast Grocery Company	42,715	Oct. 4	112	2484
Canned fruits and vegetables	West Coast Grocery Company	43,396	Sept. 20	112	723
Canned goods. Certain named	Arctic Mining and Trading Co	43,442	Oct. 4	112	1206
Canned goods. Certain named	A. Booth and Company	42,975	July 12	111	571
Canned sardines and sprats.	H. G. Beckett	43,282	Dec. 13	113	1961
Canned sardines and sprats.	"Excelsior" Société Anonyme Commerciale, Industrielle et Maritime.	42,501	June 14	110	2007
Canned sardines and sprats.	"Excelsior" Société Anonyme Commerciale, Industrielle et Maritime.	42,802	June 14	110	2008
Canned sardines and sprats.	"Excelsior" Société Anonyme Commerciale, Industrielle et Maritime.	42,803	June 14	110	2009
Canned sardines and sprats.	"Excelsior" Société Anonyme Commerciale, Industrielle et Maritime.	42,917	June 28	110	2505
Canned tomatoes	P. Roncoroni	42,712	May 31	110	1420
Canned vegetables and fruits.	Acme Tea Co.	42,301	Mar. 29	109	1332
Canned vegetables and fruits.	O. Shepard & Co.	42,317	Apr. 5	109	1599
Canned vegetables and fruits.	P. Roncoroni	42,713	May 31	110	1420
Cans	Conneaut Can Company	43,452	Oct. 4	112	1207
Cantaloupes	J. M. Rogers	43,872	Dec. 20	113	2306
Car couplings, buffers, draft-gears, and parts thereof	Gould Coupler Co.	43,072	July 26	111	1082
Car doors. Certain trimmings for freight-car vestibule diaphragms and their parts	Camel Company	43,236	Aug. 23	111	2295
Cars. Railway.	Camel Company	43,237	Aug. 23	111	2215
Carbon-blacks	Camel Company	43,238	Sept. 13	112	405
Card-cases. Aluminium and celluloid	Acme Supply Company	43,954	Dec. 27	113	2500
Cards. Playing.	Goodwin Car Company	43,341	Sept. 13	112	493
Cards. Playing.	Union Carbide Company	42,674	May 24	110	1161
Cards. Playing.	J. W. Morris	42,674	May 24	110	1161
Cards. Playing.	New York Consolidated Card Company.	41,939	Jan. 26	108	1044
Cards. Playing.	C. C. Meriwether	42,094	Feb. 23	108	2134
Cards. Playing.	E. Puigdemolas.	42,292	Mar. 29	109	1331
Cards. Playing.	E. Puigdemolas.	42,293	Mar. 29	109	1331
Cards. Playing.	H. E. Gavitt	42,353	Apr. 12	109	1879
Cards. Playing.	H. E. Gavitt	42,353	May 9	110	229
Cards. Playing.	Campaigno Card Company	42,682	May 24	110	1162
Cards. Playing.	J. G. A. Fortier	42,795	June 14	110	2007
Cards. Playing.	W. E. Robinson	43,151	Aug. 9	111	1620
Cards. Playing.	Standard Card Game Co	43,345	Sept. 13	112	494
Cards. Playing.	T. O. Holland	43,578	Oct. 25	112	2086
Cardboard for packing purposes. Waved or corrugated.	C. M. Clark Publishing Co	43,756	Nov. 29	113	1409
Carpenters' tool-cabinets.	C. Thiébaud	43,284	Sept. 20	112	722
Carpet-sweepers	W. Van Glahn & Co.	43,851	Dec. 13	113	1963
Carpet-sweepers	National Sweeper Company	42,253	Mar. 15	109	892
Carpet-sweepers	National Sweeper Company	42,254	Mar. 15	109	892
Carpet-sweepers	National Sweeper Company	41,850	Jan. 12	108	552
Carriage-bolts	Dornan Brothers	41,850	Jan. 12	108	552
Cartridges	Russell, Burdiss & Ward Bolt & Nut Co.	42,281	Mar. 23	109	1064
Cartridges	Austin Cartridge Co	42,911	June 28	110	2505
Castings. Metal	Austin Cartridge Co	42,912	June 28	110	2505
Castings. Steel	E. H. Benner	42,787	June 7	110	1719
Catarrhal sacks	Baldt Steel Company	41,846	Jan. 5	108	284
Catarrh cures	Chicago Specialty Company	43,254	Aug. 30	111	2485
Cathartics or laxatives	W. J. Garson	43,886	Dec. 20	113	2307
Catchers and boughies. Elastic-web	N. D. Haskell	43,243	Aug. 23	111	2216
Cement for certain named purposes	F. A. Koch	43,855	Dec. 13	113	1964
Cement. Liquid	Kay Brothers	42,998	Nov. 12	111	574
Cement, plaster, or composition. Certain named	C. L. Hawthaway & Sons	43,706	Nov. 15	113	842
Cement. Portland	O. L. Petersen	43,148	Aug. 9	111	1630
Cement. Portland	Virginia Portland Cement Co	42,341	Apr. 5	109	1602
Cement. Portland	Empire Portland Cement Co.	42,453	Apr. 19	109	2165
Cement. Portland	Edison Portland Cement Company	42,997	July 12	111	574
Cement. Portland	Whitehall Portland Cement Co	43,033	July 19	111	800
Chairs	Miller, Mason & Co.	43,115	Aug. 2	111	1359
Cheese	Standard Manufacturing Company.	42,693	May 24	110	1163
Cheese. Fancy full-cream Canadian	International Cheese Company	42,547	May 3	110	301
Cheese. Neufchâtel.	A. F. MacLaren Imperial Cheese Co.	41,976	Feb. 2	108	1321
Cheese. Neufchâtel.	W. A. Lawrence.	41,948	Jan. 26	108	1045

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Chemical. Certain named	Chemisch-Technisches und Hygienisches Institut, Dr. Popp & Dr. Becker.	42,486	Apr. 26	109	2435
Chemical compositions for certain named purposes	J. L. Deck	42,380	Sept. 20	112	721
Chemical compound for a certain named purpose	Graves & Fry	42,655	Nov. 8	113	541
Chemical compound for certain named purposes	J. B. Biels	42,329	Aug. 23	111	2314
Chemical compound with animal albumen and bromin	Davis Pharmaceutical Company	42,506	Oct. 25	112	2088
Chemical finishing compound	R. Bernheim	42,991	July 12	111	573
Chemical finishing compound	R. Bernheim	42,992	July 12	111	573
Chemical preparation and products containing the same.	H. S. Wellcome.	42,704	Nov. 15	113	842
Certain named					
Chemical productions for pharmaceutical use. Certain named	Chemische Fabrik von Heyden Aktiengesellschaft.	41,813	Jan. 5	108	281
Chemical substances. Certain named	Knoll & Co	42,487	Apr. 26	109	2435
Chemical substances. Certain named.	Actien Gesellschaft für Anilin Fabrikation	42,189	Aug. 16	111	1929
Chemicals. Certain named	C. Jäger	42,175	Mar. 1	109	271
Chemicals. Certain named	Roessler & Hasslacher Chemical Co.	42,855	June 21	110	2329
Chemicals. Certain named	Lennox Chemical Co.	42,856	June 21	110	2329
Chillblain cure and foot remedy	W. H. Gale	42,619	Nov. 1	113	273
Chimney-tops	Schorstein - Aufsatz- und Blechwaren-Fabrik J. A. John, Aktien-Gesellschaft.	42,053	Feb. 9	108	1584
Chocolate and cocoa	Knickerbocker Chocolate Company	42,978	July 12	111	572
Chocolate bonbons and other chocolate confections	F. H. Roberts	42,844	June 21	110	2328
Chocolate-creams	Proctor & White	42,516	Oct. 11	112	1474
Chocolates	Société Anonyme des Chocolats au Lait F. L. Cailler.	42,179	Mar. 1	109	279
Chocolates	American Candy Company	42,695	Nov. 15	113	841
Chutney, pickles, and sauces	Escoffier, Limited	42,976	July 12	111	571
Cider	Fleming & Christian Co.	42,689	May 24	110	1163
Cider	American Fruit Product Co.	42,887	June 28	110	2502
Cigar-box flavor	J. J. Meuwly	42,073	Feb. 16	108	1364
Cigars	T. H. Hart & Co.	41,360	Feb. 2	108	1320
Cigars	R. B. Hermanos	41,970	Feb. 2	108	1320
Cigars	A. P. Poladura	42,384	Apr. 12	109	1882
Cigars	E. A. Kline & Co.	42,488	Apr. 26	109	2435
Cigars	E. A. Kline & Co.	42,489	Apr. 26	109	2435
Cigars	C. Donat	42,775	June 7	110	1715
Cigars	E. Abe	42,949	July 5	111	294
Cigars	A. Caruncho	42,052	July 26	111	1030
Cigars	L. J. Stadeker	42,183	Aug. 16	111	1929
Cigars	E. Regensburg & Sons.	42,561	Oct. 18	113	1743
Cigars	H. H. Sanders	42,694	Nov. 1	113	373
Cigars	Carrens Limited	42,810	Dec. 6	113	1698
Cigars	Frank H. Fleer and Company	42,826	Dec. 6	113	1700
Cigars	T. H. Hart & Co.	42,826	Dec. 13	113	1962
Cigars and cheroots	A. Schilt	42,667	May 24	110	1160
Cigars and cigarettes made from cigar-tobacco	L. Cordis	42,694	Nov. 1	113	375
Cigars and cigarettes made from cigar-tobacco	Victor Talking Machine Co.	42,733	Nov. 22	113	1138
Cigars and cigarettes made of cigar-tobacco	A. P. Poladura	42,592	Oct. 25	112	2087
Cigars, cheroots, and cigarettes made of cigar-tobacco	Cayey-Cagaus Tobacco Company	42,535	May 3	110	299
Cigars, cheroots, and cigarettes made of cigar-tobacco	Cayey-Cagaus Tobacco Co.	42,581	May 10	110	1160
Cigars, cheroots, and cigarettes made of cigar-tobacco	Cayey-Cagaus Tobacco Co.	42,182	Aug. 16	111	1929
Cigarette-paper	E. Puigdenolas	42,720	May 31	110	1421
Cigarette-paper	E. Puigdenolas	42,721	May 31	110	1421
Cigarettes.	H. P. Strause	42,318	Sept. 6	112	246
Cigarettes.	H. P. Strause	42,473	Oct. 11	112	1470
Cigarettes.	H. P. Strause	42,474	Oct. 11	112	1470
Cigarettes.	A. Hyams	42,475	Oct. 11	112	1470
Cigarettes.	E. A. Condax & Co.	42,514	Oct. 11	112	1474
Cigarettes.	A. Hyams	42,531	Oct. 18	112	1739
Cigarettes.	Ware-Kramer Tobo. Co.	42,675	Nov. 8	113	543
Cigarettes and tobacco therefor	H. F. Strause	42,772	Nov. 29	113	1410
Cigarettes. Turkish	R. S. Bey	41,644	Jan. 26	108	1044
Circuit controllers or switches	Albert & J. M. Anderson Mfg. Co.	42,926	June 28	110	2506
Citron. Shredded	C. J. Clausen	42,383	Apr. 12	109	1882
Clasps and fasteners for personal wear	American Ring Co.	42,462	Oct. 11	112	1469
Clasps and fasteners for personal wear	American Ring Co.	42,463	Oct. 11	112	1469
Clasps and fasteners for personal wear	American Ring Co.	42,464	Oct. 11	112	1469
Clasps for certain named articles	Scheuer & Bro.	42,685	May 24	110	1162
Clay. Certain named fire	T. S. McRath	42,422	Sept. 27	112	950
Cleaning and polishing preparations. Certain named	W. B. Tyler	42,924	June 28	110	2506
Cleaning compound.	A. Neubauer	42,958	July 5	111	295
Cleaning compound. Certain named	C. L. Barnhart	42,764	June 7	110	1717
Cleaning compound. Certain named	G. M. Breinig	42,424	Sept. 27	112	950
Cleaning compound for certain named purposes	F. S. Bacon	42,923	June 28	110	2506
Cleaning compound for metal or wooden articles	T. B. Reed	42,400	Sept. 20	112	733
Cleaning compounds	Huff and Wedge	41,913	Jan. 19	108	131
Cleaning compounds for cleaning and scouring	Huff and Wedge	41,992	Feb. 2	108	1322
Cleaning or polishing compounds	H. Netheim	41,953	Jan. 26	108	1045
Cleaning, scouring, and polishing compounds	Tripoli Manufacturing Company	42,837	June 21	110	2327
Cleaning compound	D. G. Holmes	42,042	Feb. 9	108	1582
Cleaning compounds. Certain named	M. M. Hodges	42,885	June 28	110	2502
Cleaning preparations. Certain named	F. W. Davis	42,838	June 21	110	2327
Clocks	New Haven Clock Co.	42,785	Nov. 29	113	1412
Clocks. Angelus.	Angelus Prayer Clock Concern.	42,571	Oct. 18	112	1743
Cloth.	Grifton Company	42,344	Aug. 30	112	284
Cloth. Certain named	Priestley's	42,800	Aug. 9	111	1618
Cloth having a polished finish	J. Milroy and Co.	42,800	Dec. 6	113	1697
Cloth. Sized or stiffened	Andrew McLean Co.	42,971	July 12	111	571
Clothing. Certain named	F. B. Q. Clothing Co.	42,262	Mar. 22	109	1062
Clothing. Certain named	C. Austern	42,752	June 7	110	1715
Clothing. Certain named	H. R. Stoepe	42,109	Aug. 2	111	1353

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Clothing. Certain named.	Klein, Mochl Bros. & Hirshfield	43,762	Nov. 29	113	1409
Clothing. Certain named ready-made.	F. B. Q. Clothing Co.	42,302	Mar. 8	109	543
Coal.	Chesapeake & Ohio Coal & Coke Co.	43,175	Aug. 16	111	1928
Coal and coke.	Smokeless Fuel Co.	42,003	Feb. 2	108	1824
Coal and coke.	Kanawha and Coal River Coal Company	43,001	July 12	111	574
Coal. Anthracite.	Virginia Anthracite Coal Co.	42,088	Feb. 16	108	1865
Coal. Bituminous.	20th Century Coal Co.	42,048	Feb. 9	108	1583
Coal-tar, derivatives thereof, and coal-tar products.	National Coal Tar Co.	42,829	June 14	110	2010
Coating material. Certain named.	J. A. & W. Bird & Co.	41,876	Jan. 12	108	555
Coats, trousers, and vests for boys and youths.	S. W. Peck & Co.	41,798	Jan. 5	108	280
Coats, vests, and trousers. Boys' and children's.	G. Lippmann & Sons	41,853	Jan. 12	108	552
Coats, vests, pantaloon, and overcoats for boys.	Greenstein, Simon & Leerburger	42,915	June 28	110	2505
Coats, vests, trousers, overcoats, and raincoats.	Rosenwald & Weil	42,725	Nov. 22	113	1137
Cocoa-powder and cakes of chocolate.	Hollandsche Cacao-En Chocolade-fabriek v/h. Bensdorp & Co.	42,582	May 10	110	594
Cocoa substitute.	J. Mehl	43,379	Sept. 6	112	242
Coffee.	J. W. Pope	41,893	Jan. 19	108	789
Coffee.	A. Engelhard & Sons Co	41,946	Jan. 26	108	1044
Coffee.	L. H. Costikyan	42,206	Mar. 8	109	543
Coffee.	G. Amsinck & Co.	42,325	Apr. 5	109	1600
Coffee.	Direct Coffee Company.	42,403	Apr. 19	109	2160
Coffee.	Direct Coffee Company.	42,492	Apr. 26	109	2435
Coffee.	G. Amsinck & Co.	42,688	May 24	110	1162
Coffee.	W. Childs, Jr.	42,918	June 28	110	2505
Coffee.	M. W. Swindler	42,918	July 12	111	572
Coffee.	Berry, Dodge & Co.	42,469	Oct. 11	110	1850
Coffee.	Berry, Dodge & Co.	42,470	Oct. 11	112	1470
Coffee.	D. C. Johnson	42,562	Oct. 18	112	1743
Coffee.	Digesto Coffee Company	42,590	Oct. 25	112	2087
Coffee.	H. T. Beckett	42,591	Oct. 25	112	2087
Coffee and spice mills.	Landers, Frary and Clark	42,764	Mar. 22	109	1064
Coffee. Artificial or substitute.	Javril Co.	42,119	Feb. 23	108	2137
Coffee. Green.	E. de la Garza y Cia.	42,053	July 26	111	1030
Coffee in the raw bean.	Veth Gebroeders	43,768	Nov. 29	113	1410
Coffee made from bananas.	Banana Coffee & Food Co.	42,054	July 26	111	1030
Coffee. Roasted.	Levering Coffee Co.	42,083	Feb. 9	108	1582
Coffee. Roasted.	Levering Coffee Co.	42,084	Feb. 9	108	1582
Coffee substitutes.	E. Seelig A.-G.	42,714	May 31	110	1420
Coffees.	A. Engelhard & Sons Co.	41,972	Feb. 2	108	1320
Coffees.	A. Engelhard & Sons Co.	42,032	Feb. 9	108	1581
Coffees.	E. S. Pike	42,075	Feb. 16	108	1864
Cognac.	Strauss & Co.	42,080	Feb. 16	108	1864
Coke.	Suburban Gas Co. of Philadelphia.	42,808	June 14	110	2008
Cold and cough cure.	J. V. Quick	42,727	May 31	110	1422
Collars.	F. H. Norris	42,763	Nov. 29	113	1409
Collars.	F. H. Norris	42,763	Nov. 29	113	1409
Collars. Harness.	Cotton Collar Co.	42,049	Feb. 9	108	1583
Coloring-matters, dyes, and mordants.	C. Barolin	42,551	May 3	110	801
Colors for printing and painting. Prepared.	L. D. Gardner	42,339	Apr. 5	109	1601
Compasses.	Short & Mason	43,907	Dec. 20	113	2210
Composition. Cert. in named.	Robt' H. Ingersoll & Bro.	43,622	Nov. 1	113	274
Compound for prevention and cure of sweating of the axilla.	N. D. Richards.	43,173	Mar. 1	109	271
Compound for the treatment of certain named diseases.	G. W. Caldwell	43,203	Aug. 16	111	1331
Compound or preparation. Certain named.	Kampa Company	43,511	Oct. 11	112	1473
Concrete building-blocks. Machinery for making.	Auburn Concrete Machinery Co.	43,683	Nov. 6	113	544
Confectioneries, chocolates, and candies.	D. Auerbach & Sons	42,532	Oct. 18	112	1740
Confectionery.	Borden's Condensed Milk Co.	41,823	Jan. 5	108	282
Confectionery.	Borden's Condensed Milk Co.	41,824	Jan. 5	108	282
Confectionery.	Belle Mead Sweetmakers	42,490	Apr. 26	109	2435
Confectionery.	D. Arnould	42,491	Apr. 26	109	2435
Confectionery.	"Sarotti" Chocolaten- & Cacao-Industrie, Aktiengesellschaft.	42,699	May 24	110	1164
Confectionery.	Shupe-Williams Candy Co.	42,825	June 14	110	2010
Confectionery.	Shotwell Mfg. Co.	43,248	Aug. 30	111	2484
Confectionery.	Flaley Acker Co.	43,394	Sept. 20	112	723
Confectionery and food products. Coloring preparations for.	James Pascal Limited.	43,533	Oct. 18	112	1740
Confections. Certain named.	W. J. Bush & Co.	42,845	June 21	110	2228
Confections.	H. N. Fish Chocolate Co.	42,625	May 17	110	852
Confections, and chocolate and cocoa in all forms.	G. J. Mueller	42,534	May 3	110	299
Cooking utensils made of aluminum and aluminum alloys.	W. E. Adams	41,975	Feb. 2	108	1321
Copper pipes, bars, and slabs.	Aluminum Cooking Utensil Company.	42,501	Apr. 26	109	2436
Cork-extractors.	Pittsburgh & Montana Copper Co.	41,909	Jan. 19	108	791
Corn cure.	H. Reisinger	42,559	May 8	110	302
Corn cure.	Hausman Drug Co.	42,575	May 10	110	593
Corn products. Certain named.	N. Chennaux	42,961	July 26	111	1031
Corn products. Certain named.	Independent Starch Co.	42,622	May 17	110	852
Corn. Seed.	Independent Starch Co.	42,623	May 17	110	852
Corn-shellers.	W. D. Ross	43,850	Dec. 20	113	2204
Corset-bones.	A. H. Patch	43,071	July 26	111	1032
Corset-covers.	J. Janowitz	42,430	July 26	111	1030
Corset-steels.	Malline Mills Company	43,050	July 26	111	1030
Corsets.	Weingarten Bros.	43,584	Oct. 25	112	2086
Corsets.	Glois Corset Company	41,799	Jan. 5	108	280
Corsets.	Birdsey & Somers	41,884	Jan. 19	108	788
Corsets.	Birdsey & Somers	41,885	Jan. 19	108	788
Corsets.	Birdsey & Somers	41,965	Feb. 2	108	1320
Corsets.	J. A. Houston	42,362	Apr. 12	109	1880
Corsets.	Birdsey & Somers	42,392	Apr. 19	109	2159
Corsets.	Abraham & Straus	42,653	May 24	110	1159
Corsets.	J. Siegel & Co.	42,753	June 7	111	1919
Corsets.	Miller-Heimann Co.	42,821	June 14	110	2019
Corsets.	Weingarten Bros.	42,822	June 14	110	2009
Corsets.	J. Siegel & Co.	42,877	June 28	110	2501

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Corsets	Weingarten Bros.	43,692	Nov. 15	113	841
Corsets	Weingarten Bros.	43,802	Dec. 6	113	1698
Corsets	J. Siegel & Co.	43,912	Dec. 27	113	2495
Corsets and corset-covers.	Birdsey & Somers.	42,007	Feb. 9	108	1579
Corsets, corset-steels, and busks.	Herkuleswerke, Corsett- und Spiralfeder-Fabriken, G. M. B. H.	43,606	Nov. 1	113	272
Corsets, corset-waists, and corset-covers	Birdsey & Somers	43,866	Dec. 20	113	2905
Corsets. Women's.	George C. Batcheller & Co.	42,820	June 14	110	2009
Costumes. Theatrical.	L. D. Gardner	42,465	Apr. 26	109	2433
Cotton and wool goods and linings.	Bradford Dyers' Association	42,360	Apr. 12	109	1880
Cotton dress goods.	H. W. A. Page	43,691	Nov. 15	113	841
Cotton dress goods in the piece	E. C. Symons.	43,712	Nov. 15	113	843
Cotton-duck cloth	West Point Manufacturing Co.	41,851	Jan. 12	108	552
Cotton goods.	C. Whitman & Co.	42,702	May 31	110	1419
Cotton piece goods.	G. Willis & Co.	42,161	Mar. 1	109	269
Cotton piece goods.	G. Willis & Co.	42,195	Mar. 8	109	542
Cotton piece goods.	G. Willis & Co.	42,230	Mar. 15	109	799
Cotton piece goods.	G. Willis & Co.	42,231	Mar. 15	109	799
Cotton piece goods.	G. Willis & Co.	42,314	Apr. 5	109	1599
Cotton piece goods.	Gilbert Manufacturing Company	42,563	May 10	110	592
Cotton shirtings, drills, and sheetings.	Clifton Manufacturing Company	42,564	May 10	110	592
Cough cure	W. F. Holden	43,142	Aug. 9	111	1619
Cough-drops	Finley Acker Company	43,883	Dec. 20	113	3207
Cough-lozenges	A. A. Allen Company	43,359	Sept. 13	112	495
Cough mixture or syrup	H. Kerney	43,282	Sept. 6	112	242
Cough mixtures	D. A. Marino.	43,949	Dec. 27	113	2499
Cough-syrup	W. E. Bailey	42,578	May 10	110	593
Crankers	Toledo Biscuit Company.	43,450	Oct. 11	112	1469
Crayons. Chalk	E. B. Brady	43,172	Aug. 16	111	1927
Cream. Evaporated.	Van Camp Condensed Milk Company.	42,117	Feb. 23	108	2136
Cream. Evaporated.	Van Camp Condensed Milk Company.	42,118	Feb. 23	108	2136
Cream. Face.	Alpha Manufacturing Company	42,039	Feb. 9	108	1582
Cream. Massage.	P. C. Inman	43,805	Dec. 6	113	1698
Cream. Toilet	E. M. Kane	42,478	Apr. 26	109	2434
Creams and powders. Face.	Davis Bridgman Drug Co.	43,728	May 31	110	1422
Creamy preparation for manicuring.	E. B. Eldridge	43,414	Sept. 27	112	950
Curt-holders	H. C. Frank	42,426	Apr. 19	109	2162
Culinary vessels	F. H. Griswold	43,599	Oct. 25	112	2088
Cure for stomach complaints.	F. W. Speidel	43,595	Oct. 25	112	2088
Currants	G. Coit	42,760	June 7	110	1716
Custard	Dunham Manufacturing Company	43,750	Nov. 22	113	1139
Cutaneous preparations and remedies	R. Reiss	43,227	Aug. 23	111	2314
Cutch	Santubong Cutch & Tanning Extract Co.	43,659	Nov. 8	113	524
Cutting-tools. Certain named hand	Marsh Brothers Co.	41,960	Jan. 26	108	1046
Dandruff cure and hair-restorer.	J. O. Whitener	42,267	Mar. 22	109	1062
Darning and crochet cotton	Clark Wile-End Spinning Co.	42,196	Mar. 8	109	542
Decorative products for interior and exterior use. Certain named	Blanchite Process Paint Company.	43,454	Oct. 4	112	1308
Decorative products for interior and exterior use. Certain named	Blanchite Process Paint Company.	43,483	Oct. 11	112	1471
Dental materials. Certain named	I. Rona	43,042	July 19	111	802
Dentifrice	H. S. Wellcome	43,559	Oct. 18	112	1742
Dentifrice or tooth-cream	O. W. Hall.	42,985	July 12	111	573
Dentifrices	F. G. Plummer	42,269	Mar. 22	109	1063
Dentifrices	Prophylactene Chemical Co.	43,496	Aug. 2	111	1357
Deodorizing toilet preparations	Udor Manufacturing Co.	43,532	Nov. 22	113	1137
Depilatory mixture	Stenzie Manufacturing Co.	42,635	May 17	110	853
Dip for external use	M. W. Savage	43,207	Aug. 16	111	1931
Disinfectant	C. Reinschild.	42,250	Mar. 15	109	801
Disinfectant. Odorless liquid.	Norman C. Hayner Co.	42,922	June 28	110	2204
Disinfectants	P. M. Frank Disinfecting Co.	43,654	Nov. 8	113	541
Disinfectants and deodorizers	Schülke & Mayr	41,814	Jan. 5	108	281
Disinfectants and disease preventives	Immunene Mfg. Co.	42,165	Mar. 1	109	270
Disinfectants, germicides, and deodorizers	R. W. Carle.	42,160	Mar. 1	109	270
Disinfectants or germicides for certain named purposes	Marshall Oil Company	42,805	June 14	110	2008
Disinfecting and deodorizing agents	Chemische Fabrik auf Actien, (vorm. E. Schering.)	42,988	July 12	111	573
Doll-stands	Butler Doll-Stand Co.	42,691	May 24	110	1163
Dress goods	Perkins, Van Bergen & Co.	42,565	May 10	110	592
Dress goods. Certain named	Joy, Langdon & Co.	42,431	Apr. 19	109	2163
Dress goods. Certain named	S. Pearl.	43,532	Oct. 18	112	1739
Dress goods in the piece	Holz & Hayes	43,552	Oct. 18	112	1742
Dress piece goods	Rogers & Thompson	42,566	May 10	110	592
Dress-shields	Ono Manufacturing Company	42,832	June 21	110	2226
Dress-shields	C. F. Hovey & Co.	43,435	Oct. 4	112	1305
Dress-shields	Levi & Blum	43,831	Dec. 13	113	1961
Dress-waists and suits. Ladies'	Frank Winch Company	42,466	Apr. 26	109	2433
Drilling	Wellington, Sears & Company	41,804	Jan. 5	108	280
Drilling-machines.	W. F. & John Barnes Company	42,789	June 7	110	1720
Drilling, sheeting, and jeans	American Trading Company	42,095	Feb. 23	108	2184
Drink. Certain named non-alcoholic	S. Becker	42,077	Feb. 16	108	1864
Drink. Preparation for an effervescent.	A. F. Willoughby	43,635	Nov. 1	113	275
Drinks. Non-alcoholic fruit.	F. Hartmann	43,736	Nov. 22	113	1138
Drinks. Non-alcoholic fruit.	F. Hartmann	43,737	Nov. 22	113	1138
Drinks and chemicals.	F. Hartmann	43,879	Dec. 27	113	2906
Drugs and chemicals. Certain named	Brunner, Mond & Co.	41,942	Jan. 26	108	1044
Drugs and chemicals. Certain named	Brunner, Mond & Co.	41,982	Feb. 2	108	1322
Drugs and chemicals.	Société l'Oxylithe	42,733	May 31	110	1423
Drugs and chemicals for human and veterinary use	H. S. Wellcome	43,569	Oct. 18	112	1743
Drugs and chemicals for human and veterinary use. Preparations of	H. S. Wellcome	43,567	Oct. 18	112	1743
Drugs and chemicals for human and veterinary use. Preparations of	H. S. Wellcome	43,568	Oct. 18	112	1743
Dry goods. Certain named	Burton Bros. & Co.	43,940	Dec. 27	113	2498

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Duck	Wellington, Sears & Company	42,523	May 3	110	298
Duck and dress goods	Lowell Weaving Co.	43,049	July 26	111	1030
Duck and dress goods	Lowell Weaving Co.	43,527	Oct. 18	112	1739
Dust-collectors, exhaust-fans, and blowers	Ohio Blower Company	42,001	Feb. 2	108	1324
Dyes	Farbwerke-Formals, Meister, Lucius & Brüning	41,857	Jan. 12	108	553
Dyes and chemical preparations for dyeing purposes	Actien-Gesellschaft für Anilin-Fabrikation	43,705	Nov. 15	113	842
Dyestuff	Farbenfabriken of Elberfeld Co.	43,421	Sept. 27	112	950
Dyestuffs	Farbenfabriken of Elberfeld Co.	43,446	Dec. 27	113	2499
Dyestuffs derived from coal-tar products	F. E. Iteaux & Company	42,043	Feb. 9	108	1532
Dyspepsia and other stomach affections. Cure for	Zan-Dine Remedy Co.	43,687	Nov. 1	113	274
Ear-rings	Nesler & Company	42,746	June 7	110	1715
Elastic webbing fabrics and goring	Boston Gore and Web Manufacturing Co.	41,852	Jan. 12	108	552
Electric currents to invalids. Apparatus for administering	J. W. Steeves	43,012	July 12	111	576
Electrical apparatus. Certain named	H. O. Swoboda	42,906	June 28	110	2504
Electrical devices. Certain named	H. Krantz Manufacturing Co.	42,641	May 17	110	853
Embalming fluids and formaldehyde compounds	W. S. Carpenter	41,943	Jan. 26	108	1044
Embroideries	E. A. Fitch	42,750	June 7	110	1715
Embroideries, laces, and neckwear	John Pullman & Co.	43,125	Aug. 9	111	1617
Embroidery-patterns. Specially-designed	Einstein, Wolff & Co.	42,940	July 5	111	233
Enamels	Gerstendorfer Bros.	43,456	Oct. 4	112	1208
Engines. Thermal	H. de Buren	43,790	Nov. 29	113	1412
Engravers' plates	Star Engravers Supply Company	42,968	July 5	111	286
Envelops. Duplex or twin	Duplex Envelope & Printing Co.	43,412	Sept. 27	112	1205
Erasers. Certain named	Laurel Rubber Co.	43,007	July 12	111	575
Erasers. India-rubber pencil	L. & C. Hardtmuth	41,847	Jan. 12	108	552
External applications. Certain named	Dr. A. C. Daniels, (Incorporated)	42,138	Feb. 23	108	2138
Extracts and essences	Iowa Medicine Co.	42,177	Mar. 7	109	271
Extracts and syrups for use with beverages	A. G. Hulet	43,347	Sept. 27	112	940
Eye-glasses and spectacles. Lenses for	E. B. Meyrowitz	41,848	Jan. 12	108	552
Fabric-cleaning preparations. Textile	G. Eisenkramer	43,079	Aug. 2	111	1355
Fabric. Cotton	Eagle & Phenix Mills	43,917	Dec. 27	113	2495
Fabric for shading growing plants. Cotton	West Boylston Manufacturing Company	43,366	Sept. 20	112	720
Fabric. Linen	United States Linen Co.	43,713	Nov. 15	113	843
Fabrics. Certain named woven	Hodges Fiber Carpet Co.	42,393	Apr. 19	109	2159
Fabrics. Cotton	Ward, Hanbury & Co.	43,297	Sept. 6	112	244
Fabrics. Cotton	Ward, Hanbury & Co.	43,298	Sept. 6	112	244
Fabrics. Cotton	Siemssen & Co.	43,320	Sept. 13	112	492
Fabrics. Cotton	Siemssen & Co.	43,327	Sept. 13	112	492
Fabrics. Cotton	Siemssen & Co.	43,338	Sept. 13	112	492
Fabrics. Cotton	Siemssen & Co.	43,329	Sept. 13	112	492
Fabrics. Cotton	Siemssen & Co.	43,330	Sept. 13	112	492
Fabrics. Cotton	Siemssen & Co.	43,347	Sept. 13	112	494
Fabrics. Cotton	Siemssen & Co.	43,367	Sept. 20	112	720
Fabrics. Cotton	Siemssen & Co.	43,368	Sept. 20	112	720
Fabrics. Cotton	Siemssen & Co.	43,369	Sept. 20	112	720
Fabrics. Cotton	Siemssen & Co.	43,370	Sept. 20	112	720
Fabrics. Cotton	Ward, Hanbury & Co.	43,404	Sept. 27	112	949
Fabrics. Cotton	Siemssen & Co.	43,496	Oct. 4	112	1205
Fabrics. Cotton	Ward Hanbury & Co.	43,641	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,642	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,643	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,644	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,645	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,646	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,647	Nov. 8	113	540
Fabrics. Cotton	Ward Hanbury & Co.	43,648	Nov. 8	113	541
Fabrics. Cotton	Ward Hanbury & Co.	43,649	Nov. 8	113	541
Fabrics. Cotton	Ward Hanbury & Co.	43,650	Nov. 8	113	541
Fabrics. Cotton and partly-cotton	Ward Hanbury & Co.	43,864	Dec. 20	113	2205
Fabrics. Linen	Smith, Hogg & Co.	42,311	Apr. 5	109	1599
Fabrics. Rain-proof textile	Syndicate Trading Company	43,743	Nov. 22	113	1139
Fabrics. Upholstery textile	Griffon Company	43,272	Sept. 6	112	242
Fabrics. Wool and cotton and wool dress	Philadelphia Tapestry Mills	43,744	Sept. 27	113	1139
Fabrics. Woven cotton pile	S. D. French & Co.	43,941	Dec. 27	113	2495
Face-bleach	A. Louis	43,759	Nov. 29	113	1499
Fasteners. Metal	Wilhelm & Pierce	43,043	July 19	111	802
Fats and oil. Cooking	Bridgeport Chain Company	43,548	Oct. 18	112	241
Faucets	J. Guitar, Jr.	43,025	Feb. 9	108	1580
Feed. Animal	Sanitary Co.	43,952	Dec. 27	113	2500
Feed. Certain named	Ralston Purina Co.	43,320	Sept. 6	112	246
Feed. Certain named	ashburn-Crosby Company	43,059	July 26	111	1031
Feed. Certain named	Corno Mills Company	43,586	Oct. 25	113	3087
Feed for live stock	Corno Mills Company	43,587	Oct. 25	113	2087
Feed. Hominy	Toledo Elevator Co.	43,638	Nov. 1	113	276
Fence. Wire	American Hominy Company	42,723	May 31	110	1422
Fencing. Wire	Interlocking Fence Company	43,149	Aug. 9	111	1620
Fencing. Wire	Pacific Steel and Wire Co.	42,587	June 26	110	2596
Fertilizer-distributors and parts and appurtenances thereof	Pacific Steel and Wire Co.	43,069	July 26	111	1032
Fertilizer-distributors and parts and appurtenances thereof	Kemp & Burpee Manufacturing Company	42,603	May 10	110	596
Fertilizer-distributors and parts and appurtenances thereof	Kemp & Burpee Manufacturing Company	42,651	May 17	110	854
Fertilizer-distributors and parts and appurtenances thereof	Kemp & Burpee Manufacturing Company	42,697	May 24	110	1164
Fertilizers. Chemical	Bonora Chemical Co.	43,812	Dec. 6	113	1699
Fiber composition. Certain named articles of	J. M. Grasser	42,257	Mar. 15	109	82
Figures. Miniature	J. Wanner	43,847	Dec. 13	113	1903
Files and rasps	G. & H. Barnett Company	42,553	Mar. 15	109	82
Files. Pocket letter	Cooke & Cobb Company	41,841	Jan. 5	108	284
Finger-rings	E. & J. Bass	42,609	May 17	110	851
Finger-rings	Radium Manufacturing Co.	43,551	Oct. 18	112	1741
Fire-doors for elevator-hatchways	Richmond Safety Gate Co.	43,037	July 19	111	801

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Fire-extinguishers. Chemical	Graaff & Co., Ges. mit Beschr. Haftung.	43,574	Oct. 18	112	1744
Fireproof garments.	Textile Fireproofing Co.	43,748	Nov. 22	113	1139
Fireproof material. Panels made from	J. M. Wade	42,052	Feb. 9	108	1583
Fish and animal traps	H. Marty	43,261	Aug. 30	111	2486
Fish-hooks and fishing-tackle	Henry Milward & Sons.	42,458	Apr. 19	109	2165
Flannel cloth.	C. Smith	43,863	Dec. 20	113	2394
Flavoring extracts	Wever, Fenger Company	42,537	May 3	110	2293
Flavoring extracts	G. D. Albee & Co.	42,977	July 12	111	571
Flavoring extracts	Bennett Chemical Co.	43,357	Sept. 13	112	495
Flavoring extracts	J. E. Fowler	43,667	Nov. 8	113	543
Flavorings for certain named purposes.	J. L. Legein	43,373	Sept. 20	112	721
Flax-fiber products for certain named purposes.	Union Fibre Co.	42,432	Apr. 19	109	2163
Floor-mats. Certain named	Keystone Wire Matting Company.	42,881	June 28	110	2502
Flour	J. Butler	41,869	Jan. 12	108	554
Flour	Del Monte Milling Co.	42,587	May 10	110	594
Flour	K. Long	42,388	May 10	110	595
Flour	Cobb, Bates & Yerxa Co.	43,932	Sept. 13	112	494
Flour	Galban & Co.	43,834	Dec. 13	113	1962
Flour made from wheat	S. Logan	43,084	Aug. 2	111	1355
Flour. Wheat.	C. R. Maltby & Co.	41,895	Jan. 19	108	739
Flour. Wheat.	Tacoma Grain Company	41,978	Feb. 2	108	1321
Flour. Wheat.	Kehler Flour Mills Co.	42,082	Feb. 16	108	1865
Flour. Wheat.	Washburn, Crosby Company	42,108	Feb. 23	108	2135
Flour. Wheat.	Thornton & Chester Milling Co.	42,109	Feb. 23	108	2135
Flour. Wheat.	Thornton & Chester Milling Co.	42,110	Feb. 23	108	2135
Flour. Wheat.	Thornton & Chester Milling Co.	42,111	Feb. 23	108	2136
Flour. Wheat.	Washburn, Crosby Company	42,112	Feb. 23	108	2136
Flour. Wheat.	Washburn, Crosby Company	42,182	Mar. 1	109	271
Flour. Wheat.	Washburn, Crosby Company	42,208	Mar. 8	109	544
Flour. Wheat.	Kansas Milling & Export Co.	42,209	Mar. 8	109	544
Flour. Wheat.	Kansas Milling & Export Co.	42,209	Mar. 8	109	544
Flour. Wheat.	Royal Milling Company	42,405	Apr. 19	109	2160
Flour. Wheat.	Rivers Milling Company	42,406	Apr. 26	109	2435
Flour. Wheat.	B. S. Bull	42,586	May 10	110	594
Flour. Wheat.	Bay State Milling Co.	42,624	May 17	110	852
Flour. Wheat.	Royal Milling Co.	42,669	May 24	110	1161
Flour. Wheat.	J. F. Asensio	42,710	May 31	110	1420
Flour. Wheat.	Aberheim Bros.	42,803	June 14	110	2007
Flour. Wheat.	Hubbard Milling Company	43,080	Aug. 2	111	1355
Flour. Wheat.	Hubbard Milling Company	43,081	Aug. 2	111	1355
Flour. Wheat.	Hubbard Milling Company	43,082	Aug. 2	111	1356
Flour. Wheat.	Hubbard Milling Company	43,083	Aug. 2	111	1356
Flour. Wheat.	N. Blaustein	43,239	Aug. 23	111	2315
Flour. Wheat.	Thornton & Chester Milling Co.	43,440	Oct. 4	112	1396
Flour. Wheat.	J. McAleer and Sons	43,466	Oct. 11	112	1469
Flour. Wheat.	A. P. Woodson	43,608	Nov. 1	113	372
Flour. Wheat.	Gregory Cook & Co.	43,767	Nov. 23	113	1410
Flour. Wheat.	Douwell & Co.	43,825	Dec. 6	113	1700
Flours. Certain named	S. Hamill Company	42,882	June 28	110	2502
Flush-tanks, closets, and basins.	Coyne & Delany	43,795	Nov. 29	113	1412
Fly-catchers. Sticky	Kay Brothers	43,280	Sept. 6	112	242
Food and condition-powders. Stock and poultry	S. A. Foutz	43,945	Dec. 27	113	2469
Food and medicines and veterinary remedies. Poultry.	National Stock Food Company.	42,437	Apr. 19	109	2163
Food for animals.	Shamrock Stock Food Co.	42,437	Apr. 19	109	2163
Food for animals.	J. Nicolaidi	42,724	May 31	110	1422
Food for infants and invalids. Prepared	Taro Food Co.	42,846	June 21	110	2328
Food for stock and poultry. Prepared and mixed	G. M. Thomas	42,494	Apr. 26	109	2435
Food in tablet and liquid form. Preservatives and sweeteners of	J. A. Blain	42,722	May 31	110	1421
Food. Poultry.	M. W. Savage	41,784	Jan. 12	108	555
Food preparations. Artificial	Chemische Fabrik von Heyden, Aktiengesellschaft.	42,410	Apr. 19	109	2161
Food preparations from nuts, cereals, and legumes	Sanitas Nut Food Co.	42,621	May 17	110	852
Food products. Certain named	Armour & Company	41,867	Jan. 12	108	554
Food products. Certain named	Reiss & Brady	43,557	Oct. 18	112	1742
Food. Stock.	Monarch Stock Food Co.	41,951	Jan. 26	108	1045
Food. Stock.	Stock Food Company of America	43,164	Aug. 16	111	1923
Food. Stock.	G. H. Payne	43,374	Sept. 20	112	721
Food. Stock and poultry	McCormick & Co.	43,331	Sept. 6	112	246
Foods and reconstitutives for invalids	Fairchild Bros. & Foster	43,334	Sept. 13	112	493
Foods for invalids and infants.	Sunbrights California Food Company.	43,881	Dec. 20	113	2207
Foods for invalids and infants.	Sunbrights California Food Company.	43,882	Dec. 20	113	2207
Foods for poultry. Prepared	Gold Coin Stock Food Company.	42,804	June 14	110	2008
Foods or condition-powders. Stock	West Coast Stock Food Co.	42,388	Mar. 15	109	800
Footwear and leather. Certain named	F. F. Field	42,656	May 24	110	1159
Footwear. Certain named	G. F. Daniels & Co.	42,683	May 24	110	1162
Footwear. Certain named	G. F. Daniel & Co.	42,684	May 24	110	1162
Foundry-facings	S. F. McCormick Co.	42,185	Mar. 1	109	272
Foundry-facings	J. S. McCormick Co.	42,186	Mar. 1	109	272
Fruit. Dried and preserved	C. Eckardt	43,395	Sept. 20	112	723
Fruit syrups and extracts, crushed and glacé fruits	Pohlmann-Kipp Co.	43,324	Aug. 23	111	2413
Fruits and vegetables. Certain named	M. L. Hall & Co.	42,021	Feb. 9	108	1580
Fruits and vegetables. Certain named	Wilson Grocery Company	43,529	Oct. 18	112	1739
Fruits. Dried.	Patterson & Cross	42,302	Mar. 29	109	1332
Fruits. Dried.	California Package Fruit Co.	43,928	Dec. 27	113	2497
Fruits. Dried and canned.	Aspegren & Co.	42,549	May 3	110	301
Fruits. Dried and cured	Reiss & Brady	42,948	July 5	111	294
Fruits, fruit jellies, juices, and flavorings. Pie, dried, and preserved	Smith, Lichty & Hillman Co.	41,872	Jan. 12	108	555
Fur coats, jackets, robes, and wraps.	Hansen's Empire Fur Factory	42,316	Apr. 5	109	1599
Fur garments. Certain named	G. W. Burke	43,639	Nov. 15	113	841
Fur garments, muffs, fur scarfs, and fur trimming	Kohn & Co.	42,289	Mar. 29	109	1331
Furniture. Certain named	Booklovers Library	42,355	Mar. 15	109	802
Furniture. Certain named	National Furniture Co.	43,291	Sept. 6	112	243
Furniture. Certain named	Garry Company	43,935	Dec. 27	113	2498

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Furniture. Certain named aseptic hospital	Kny-Scheerer Company	43,121	Aug. 2	111	1360
Furniture-polish	Mexican Manufacturing Company	42,083	Feb. 16	108	1865
Gages. Pressure and vacuum.	Standard Gauge Manufacturing Company	42,396	Apr. 19	109	2159
Game. Certain named	W. R. Williams	43,124	Aug. 9	111	1617
Game. Numerical card	A. J. Hodges	43,680	Nov. 15	113	841
Game printed or mounted upon a card	M. La Fond	43,002	July 12	111	574
Games. Card	J. F. Bigbee	43,428	Sept. 27	112	950
Games. Certain named	J. C. Tanty	43,550	Oct. 18	112	1741
Games played with cards	Parker Bros	42,055	Feb. 16	108	1863
Games played with cards	Parker Bros	42,050	Feb. 16	108	1862
Games played with cards	Parker Bros	42,057	Feb. 16	108	1863
Games played with cards	Parker Bros	42,058	Feb. 16	108	1862
Games played with cards	Parker Bros	42,350	Apr. 12	109	1879
Games played with cards	Parker Bros	42,351	Apr. 12	109	1879
Games played with cards	Parker Bros	42,352	Apr. 12	109	1879
Games played with cards	Parker Bros	42,700	May 31	110	1419
Games played with cards	Parker Bros	42,701	May 31	110	1419
Games played with cards	Parker Bros	43,152	Aug. 9	111	1620
Games played with cards	Parker Brothers	43,524	Oct. 18	112	1739
Garment-supporters. Certain named	Harris Suspender Co.	43,732	Aug. 16	111	1928
Gas-burners and their several parts	Rector Light Co.	43,082	Nov. 8	113	544
Gas fixtures, mantles, and parts thereof	Weisbach Light Company	43,289	Sept. 6	112	243
Gas fixtures, mantles, and parts thereof	Weisbach Light Company	43,290	Sept. 6	112	243
Gas-tubing. Flexible	J. J. Vautier	42,967	July 5	111	296
Gelatine and a powder for use in making gelatins	H. J. Blodgett Co.	42,020	Feb. 9	108	1580
Gelatin for use in ice-cream, &c	American Glue Company	42,977	Nov. 20	113	1419
Germicides and antiseptics	Frederick Stearns & Co.	41,981	Feb. 2	108	1322
Gin	E. J. Cantin	42,539	May 3	110	300
Gin	Vanden Bergh & Co.	42,580	May 10	110	594
Glass and metal. Liquid compound or composition for cleaning and polishing	Holt-Morgan Mills	42,652	May 24	110	1159
Glass fruit-jars and bottles.	G. B. Udry	42,595	May 10	110	595
Glass specialties. Certain named	J. W. Gayner	43,288	Sept. 6	112	243
Glass vases, vessels, and receptacles. Ornamental	Forstoria Glass Specialty Company	43,300	Sept. 6	112	244
Glass vessels for table use	C. F. Monroe Company	43,101	Aug. 2	111	1358
Glass. Window	McKee-Jeanette Glass Works	43,729	Nov. 20	113	1419
Glassware. Certain named	Pittsburg Window Glass Co.	43,740	Nov. 22	113	1338
Glassware. Decorative	Steuben Glass Works	43,287	Sept. 6	112	243
Glassware. Graduated	Tiffany Furnaces	43,012	Feb. 9	108	1579
Gloves	J. Tweed	43,173	Aug. 16	111	1927
Gloves and mittens	J. Kantorwitz	43,808	Dec. 6	113	1698
Gloves and mittens	Boss Mfg. Co.	42,198	Mar. 8	109	543
Gloves and mittens	Boss Mfg. Co.	42,199	Mar. 8	109	543
Gloves and mittens	Boss Mfg. Co.	42,200	Mar. 8	109	543
Gloves and mittens	Boss Mfg. Co.	42,201	Mar. 8	109	543
Glue	Hudson Bay Knitting Co.	42,619	May 17	110	851
Glue and pitch. Marine	American Tanners Glue Co	43,155	Aug. 9	111	1620
Gold and bronze leaf.	Jeffery's Patent Marine Glue Works	42,813	June 14	110	2009
Gold and bronze leaf.	Genthiner Cartonpapier Fabrik, G. M. B. H.	43,489	Oct. 11	112	1472
Golf-balls	Genthiner Cartonpapier Fabrik, G. M. B. H.	43,490	Oct. 11	112	1472
Goods in the piece. White	I. B. Kleinert Rubber Co.	41,996	Feb. 2	108	1323
Grape-fruit juice	John Pullman & Co.	43,325	Sept. 13	112	492
Grape-fruit	California Citrus Products Co.	42,224	Apr. 5	109	1600
Gravers, their handles and belongings	Boericke & Tafel	42,981	July 12	111	572
Gum. Chewing	E. F. Bowman's Sons	43,787	Nov. 29	113	1412
Gum. Chewing	H. D. Smith	42,106	Feb. 23	108	2135
Gum. Chewing	Frank H. Fleer & Co.	42,113	Feb. 23	108	2136
Gum. Chewing	Maer Manufacturing Company	42,538	May 10	110	594
Gum. Chewing	N. J. Matthews	43,138	Aug. 9	111	1613
Gumpowder	Case Manufacturing Company	43,249	Aug. 30	111	2484
Guns. Sporting	W. P. Chase & Co.	43,876	Dec. 20	113	2206
Hair grower and restorer	Nobels Explosives Co.	43,382	Sept. 20	112	732
Hair growers and preservers	Belknap Hardware & Mfg. Co.	42,964	July 5	111	296
Hair-pins	Mount and Mount	42,372	Apr. 12	109	1881
Hair-pins. Celluloid or imitation tortoise-shell	G. Heinrich	43,781	Nov. 29	113	1411
Hair pins, combs, and ornaments. Imitation tortoise-shell	S. H. Goldberg	43,804	Dec. 6	113	1698
Hair remedy	T. J. Taylor	41,849	Jan. 12	108	532
Hair-restorers. Certain named	E. & J. Bass	42,259	Mar. 22	109	1662
Hair-remedies	Herpicide Co.	42,905	Apr. 16	110	1901
Hair-remedies	M. W. Allen & Co.	43,603	Oct. 25	112	2088
Hair-remedies	A. Koppelberger	42,444	Apr. 19	109	2164
Hair-remedies	K. I. Presl	43,580	Dec. 20	113	2207
Hair-remedies	L. B. Glesselman	42,848	June 21	110	2228
Hair-remedies	M. Kraus	43,538	Dec. 13	113	1902
Hair-washes	Wilhelm Anhalt Gesellschaft mit Beschränkter Haftung.	43,537	Oct. 18	112	1740
Ham and bacon	E. M. Todd	43,926	Dec. 27	113	2497
Hams and bacon	F. Weppner	43,927	Dec. 27	113	2497
Hammers	F. W. Whitcler	42,387	Apr. 12	109	1882
Hammers, sledges, and mauls	Atha Tool Company	42,816	June 14	110	2009
Hammocks	I. B. Palmer	41,933	Jan. 26	108	1043
Hammocks of cotton, silk, and jute	Patterson & Hohfeld Manufacturing Company	42,570	May 10	110	592
Hammocks. Woven	National Hammock Co.	42,358	Apr. 12	109	1879
Handkerchiefs	John Pullman & Co.	43,041	July 19	111	801
Handkerchiefs	Cochrane Manufacturing Co.	43,911	Dec. 27	113	2495
Hardware. Carriage-makers	H. D. Smith & Co.	42,398	Apr. 19	109	2159
Hats	Waring Hat Manufacturing Company	42,099	Feb. 23	108	2184
Hats	E. A. Mallory & Sons.	43,798	Dec. 6	113	1697
Hats	E. A. Mallory & Sons.	43,799	Dec. 6	113	1697
Hats	Heath & Krises	43,828	Dec. 13	113	1961

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Hats.....	E. A. Mallory & Sons.....	43,860	Dec. 20	113	2204
Hats.....	E. A. Mallory & Sons.....	43,910	Dec. 27	113	2495
Hats and caps.....	Raymond & Torwege Hat Manufacturing Co.....	43,827	Dec. 13	113	1961
Hats, Men's.....	Kleinhaus Company.....	42,096	Feb. 23	108	2134
Hats, Men's.....	L. Kline & Co.....	42,097	Feb. 23	108	2134
Hats, Size-mark labels for.....	Westchester Hat Company.....	43,125	Aug. 9	111	1617
Hay, Baled.....	Scott & Woodrow.....	43,364	Sept. 13	112	496
Headache, neuralgia, colds, la grippe, and influenza. Preparations for alleviating and curing.....	E. C. De Witt & Co.....	43,448	Oct. 4	112	1207
Heart stimulants, diuretics, and eliminants.....	Cor-Ago Company.....	42,134	Feb. 23	108	2138
Heated surfaces. Coverings for.....	Asbestos and Magnesia Manufacturing Company.....	42,512	June 14	110	2009
Heaters and parts accessory thereto. Certain named auxiliary.....	Novelty Manufacturing Company.....	42,388	Apr. 12	109	1882
Heave cure.....	M. W. Savage.....	41,818	Jan. 5	108	282
Hemostatic, astringent, and cardiac stimulants.....	Frederick Stearns & Co.....	41,980	Feb. 2	108	1322
Herb tea.....	R. F. Shimanovsky.....	42,326	Apr. 5	109	1600
Herring, mackerel, and dried stock fish. Salt.....	J. J. Schneek.....	43,947	July 5	111	294
Hones.....	F. M. Lukins.....	43,673	Nov. 8	113	543
Horns. Sound-magnifying.....	E. A. & A. G. Schoettel.....	42,353	Apr. 12	109	1875
Horse-blankets, fly-nets, and fly-covers.....	Bemis Bro. Bag Co.....	42,834	June 21	110	2226
Horse-nails.....	Capewell Horse Nail Co.....	42,190	Mar. 1	109	272
Horse-nails. Blued.....	Capewell Horse Nail Co.....	43,814	Dec. 6	113	1699
Horse-pads.....	Capewell Horse Nail Co.....	42,191	Mar. 1	109	272
Hose. Boys' ribbed.....	American Pad & Textile Co.....	43,620	Oct. 25	112	2088
Hose. Men's half.....	York Knitting Mills Company.....	43,728	Nov. 22	113	1137
Hose. Men's half.....	York Knitting Mills Company.....	43,714	Nov. 15	113	843
Hose. Men's half.....	York Knitting Mills Company.....	43,715	Nov. 15	113	843
Hose. Men's half.....	York Knitting Mills Company.....	43,716	Nov. 15	113	844
Hose. Misses' ribbed.....	York Knitting Mills Company.....	43,717	Nov. 15	113	844
Hose. Rubber-lined.....	York Knitting Mills Company.....	43,729	Nov. 22	113	1137
Hose. Rubber-lined.....	Bowers Rubber Company.....	43,901	Dec. 20	113	2209
Hose-supporters.....	Bowers Rubber Company.....	43,902	Dec. 20	113	2209
Hose-supporters.....	I. B. Kleiher Rubber Co.....	42,061	Feb. 16	108	1563
Hosiery.....	I. B. Kleiher Rubber Company.....	42,610	May 17	110	851
Hosiery.....	J. Blood & Co.....	42,363	Apr. 12	109	1880
Hosiery.....	A. Crocker & Brothers.....	42,938	July 5	111	293
Hosiery.....	F. A. Patrick & Co.....	43,077	Aug. 2	111	1355
Hosiery.....	M. & C. Mayer.....	43,405	Sept. 27	112	949
Hosiery.....	M. & C. Mayer.....	43,564	Nov. 8	113	542
Hosiery, Ladies.....	A. E. Little & Co.....	43,333	Sept. 13	112	493
Husking devices and implements.....	Boss Mfg. Co.....	42,225	Mar. 8	109	546
Hypnotic.....	Raymond Chemical Co.....	43,420	Sept. 27	112	950
Ice-chipping and ice-cutting machines.....	Davenport Ice Chipping Machine Co.....	42,870	June 21	110	2230
Ice-cream and frozen puddings.....	Hauff Ice Cream Company.....	42,116	Feb. 23	108	2136
Ice-cream freezers.....	North Bros. Mfg. Co.....	43,266	Aug. 30	111	2486
Ice-cream freezers.....	North Bros. Mfg. Co.....	43,267	Aug. 30	111	2486
Ice-cream freezers.....	North Bros. Mfg. Co.....	43,268	Aug. 30	111	2486
Ice-cream freezers.....	North Bros. Mfg. Co.....	43,269	Aug. 30	111	2486
Ice-cream freezers.....	North Bros. Mfg. Co.....	43,270	Aug. 30	111	2486
Ice-cream. Powder for use in making.....	H. J. Blodgett Co.....	41,825	Jan. 5	108	288
Ice-cream, water-ice, and pies. Powder preparation used in the manufacture of.....	O. J. Weeks.....	41,873	Jan. 12	108	555
Ice-creams.....	J. F. Murphy.....	42,512	June 21	110	2227
Incubators and brooders.....	C. A. Cyphers.....	42,996	July 12	111	574
Induction-coils.....	Varley Duplex Magnet Company.....	41,908	Jan. 19	108	790
Induction-coils.....	Varley Duplex Magnet Company.....	41,962	Jan. 26	108	1046
Ink.....	Sanford Manufacturing Company.....	42,278	Mar. 22	109	1063
Ink. Printing.....	L. Roberts.....	42,617	May 17	110	852
Ink. Printing.....	J. M. Huber.....	42,616	May 17	110	852
Ink. Printing.....	J. M. Huber.....	42,558	June 21	110	2229
Insect-powders and liquid vermin-exterminals.....	Lewis Berger & Sons.....	43,980	Dec. 27	113	2497
Insect repellent. Combustible.....	C. E. Woodruff.....	42,239	Mar. 15	109	800
Insecticides and compounds for preventing injury to trees.....	Culecide Company.....	42,903	June 28	110	2504
Insecticides. Certain named.....	L. L. Blakely.....	42,136	Feb. 23	108	2138
Insulated electric-light cords. Flexible.....	Kentucky Tobacco Product Company.....	43,630	Nov. 1	113	275
Insulated wires and cables.....	F. S. Minott.....	42,739	May 31	110	1423
Insulating-tape.....	F. S. Minott.....	42,740	May 31	110	1423
Insulating-varnishes.....	Standard Paint Company.....	42,640	Nov. 19	110	853
Insulation. Certain named fireproof, non-conducting.....	Imperial Varnish Works.....	43,784	May 27	113	1412
Insulators. Electrical.....	Chicago Fire Proof Covering Co.....	43,116	Aug. 2	111	1359
Iron and steel and certain named iron and steel manufactures.....	American Mica Co.....	43,285	Aug. 30	111	2486
Jellies and preserves. Fruit.....	Tennitzer Stahl- und Eisenwerke von Schöeller & Co.....	42,606	May 10	110	596
Jelly preparation.....	G. L. Harting.....	42,234	Mar. 15	109	800
Jewelry. Certain named.....	Michigan Carbon Works.....	42,687	May 27	110	1162
Jewelry. Certain named.....	Donley and Co.....	42,059	Feb. 16	108	1802
Jewelry. Certain named articles of.....	Goldsmann & Harzberg.....	43,463	Sept. 27	112	949
Journal or periodical. Certain named monthly.....	Silbermann, Kohn & Wallenstein.....	42,830	June 21	110	2226
Kalsome. Trade.....	Cleveland-Akron Bag Co.....	42,846	Oct. 11	112	1471
Kalsomine or water paints.....	D. T. Mallett.....	42,794	June 14	110	2007
Kaolin.....	Water Paint Company of America.....	41,839	Jan. 5	108	284
Kidney trouble. Cure for.....	H. C. Manger.....	42,956	July 5	111	295
Knife-cleaning machines. Certain named.....	L. Lafronier.....	43,701	Nov. 15	113	842
Knives.....	Landers, Frary and Clark.....	42,285	Mar. 22	109	1064
Knives. Pocket.....	F. A. Koch.....	43,848	Dec. 13	113	1963
Knit goods. Certain named.....	Hockaday Hardware Company.....	42,151	Feb. 23	108	2140
Knit goods. Certain named.....	W. C. Gallagher.....	41,800	Jan. 5	108	280
Knit undergarments. Certain named.....	Mann & Waldman.....	43,245	Aug. 30	111	2484
Knit underwear.....	B. Lodge & Glenn.....	43,727	Nov. 22	113	1137
Knitted blouses, overvests, and bodices for ladies.....	Bristol Manufacturing Company.....	43,626	Nov. 1	113	274
Knitted body-wear. Certain named.....	Lee & Glenn.....	43,008	July 12	111	575
	Peter Scott & Company.....	43,580	Oct. 25	112	2086

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Knitted overshirts and sweaters	M. S. Ely	42,467	Apr. 26	109	2433
Knitted underwear. Certain named.	Dennaoui & McKay Co.	42,519	May 3	110	298
Knitted waists. Children's.	Birdsey & Somers	42,008	Feb. 9	108	1579
Knitting-machine appliances. Certain named.	E. Beckert	42,363	Mar. 22	109	1064
Lace constructors. Teneriffe.	C. Sander	42,308	Mar. 29	109	1332
Laces. Shoe.	J. Einstein	42,435	Apr. 19	109	2163
Lacing-hooks for boots and shoes	Morley Button Manufacturing Company	43,536	Oct. 18	112	1739
Lamp-chimneys.	Gill Brothers Company	42,673	May 24	110	1161
Lamp chimneys and globes.	M. Kirchberger	42,774	May 31	110	1424
Lamp chimneys and globes.	M. Kirchberger	42,777	June 7	110	1718
Lamp-chimneys, lantern-globes, and reflectors. Glass.	Gill Brothers Company	41,997	Feb. 2	108	1323
Lamp shade-holders. Electric.	Jem Shade Holder Co.	41,810	Jan. 5	108	281
Lamp-glasses	Schott & Gen.	43,302	Sept. 6	112	244
Lamp-glasses	Schott & Gen.	43,303	Sept. 6	112	244
Lamps and their parts. Acetylene.	Britelite Lamp Company	42,155	Feb. 23	108	2140
Lamps. Central-draft.	Pittsburgh Lamp, Brass & Glass Co.	42,089	Feb. 16	108	1866
Lamps. Gas.	L. P. Dexter	42,866	June 21	110	2230
Lamps. Incandescent electric	Standard Electrical Mfg. Co.	43,301	Sept. 6	112	244
Lamps. Incandescent mantles for gas.	Cluster Gas Light Co.	42,811	June 14	110	2008
Lamps, mantles, and parts thereof. Vapor.	Sun Vapor Street Light Company.	43,625	Nov. 1	113	274
Lantern-holders. Miners'	Lattimore Mfg. Co.	43,791	Nov. 29	113	1412
Lard.	T. M. Sinclair & Co.	42,319	Apr. 5	109	1600
Lard.	Gillespie Brothers & Company	43,468	Oct. 11	112	1469
Lard and fruit press and sausage-stuffer. Combined.	Landers, Frary and Clark	42,343	Apr. 5	109	1602
Lard and lard compounds	Cudahy Packing Company	42,304	Mar. 29	109	1332
Lard. Certain named substitute for	C. S. Hardy	43,110	Aug. 2	111	1359
Lard substitute and lard compound.	T. M. Sinclair & Co.	42,548	May 3	110	301
Lard, tallow, lard compounds, and substitutes for lard	Cudahy Bros. Co.	41,870	Jan. 12	108	555
Lard, tallow, lard compounds, and substitutes for lard	Cudahy Bros. Co.	41,871	Jan. 12	108	555
Lard, tallow, lard compounds, and substitutes for lard	Cudahy Bros. Co.	41,897	Jan. 19	108	789
Lath and metal sheets. Sheet-metal.	Canonsburg Iron & Steel Co.	41,845	Jan. 5	108	284
Lathes	W. F. & John Barnes Co.	42,817	June 14	110	2009
Laxatives.	C. B. Caywood	42,633	May 17	110	853
Lead. White and red	United Lead Company	42,305	Mar. 29	109	1332
Leather	J. M. & V. Weil	41,808	Jan. 5	108	281
Leather	Wolf Process Leather Co.	43,406	Sept. 27	112	949
Leather	P. Rielly & Son	43,439	Oct. 4	112	1206
Leather	Anti-Oak Leather Manufacturing Company.	43,662	Nov. 8	113	542
Leather. Cream dressings for	W. Raum	41,890	Jan. 19	108	788
Leather dressing and softening compounds.	A. J. Reach Co.	42,778	June 7	110	1718
Leather. Glazed or otherwise-finished kid.	American Leather Co.	41,968	Feb. 2	108	1320
Leather goods. Polishes for	Whittemore Bros. and Co.	42,378	Apr. 12	109	1861
Leather goods. Polishes for	Whittemore Bros. and Co.	42,384	Apr. 19	109	2161
Leather. Lace.	American Lace Leather Co.	43,221	Aug. 23	111	2213
Leather-polish	Whittemore Bros. and Co.	42,183	Mar. 1	109	272
Leather-polishes	Whittemore Bros. and Co.	42,495	Apr. 26	109	2436
Leather-polishing preparations.	Restoff & Bettmann	43,011	July 12	111	575
Leather. Upper.	Victor R. F. Walker Co.	42,394	Apr. 19	109	2159
Lemonade. Fruit.	W. Holst & Sohn	41,863	Jan. 12	108	554
Leneses	T. A. Willson	43,788	Nov. 29	113	1412
Libraries, books, periodicals, and pamphlets. Portable circulating	Booklovers Library	41,883	Jan. 19	108	788
Licorice extract.	Caréou & Tur.	41,820	Jan. 5	108	282
Linen, including damask	J. N. Richardson Sons & Owden	43,918	Dec. 27	113	2406
Linens and other linen fabrics. Table and household	Ireland Bros.	42,813	Apr. 5	109	1599
Liniment.	Hume & Freeman	42,337	Apr. 5	109	1601
Liniment.	J. A. Dacus	42,636	May 17	110	853
Liniment.	J. H. Snyder Medicine Co.	42,637	May 24	110	1159
Liniment.	W. T. Overby	42,850	June 21	110	2223
Liniment.	R. A. Hanson	43,702	Nov. 15	113	842
Liniment.	A. S. Core	43,820	Dec. 6	113	1699
Liniment for external application.	A. W. Zeigler	43,950	Dec. 27	113	2499
Liniment for external use	L. H. Wristen	42,336	Apr. 5	109	1601
Liniments	M. Spiegel	42,394	Apr. 12	109	1841
Liniments and ointments for external use. Antiseptic.	S. D. Confer Medical Co.	43,094	Aug. 2	111	1357
Linings	Pix Liniment Co.	43,308	Sept. 6	112	245
Linings	Burton Bros. & Co.	42,159	Mar. 1	109	269
Linings	Burton Bros. & Co.	42,160	Mar. 1	109	269
Linings	Burton Bros. & Co.	42,290	Mar. 29	109	1331
Linings	E. G. Williams & Co.	43,651	Nov. 8	113	541
Liquid preparations for internal use.	Pineule Medicine Co.	42,732	May 31	110	1422
Liquid solutions for cleansing the mucous membrane and pus cavities.	A. B. Crowell	42,731	May 31	110	1422
Liquor for pharmaceutical use. Aromatic iron	Knoll & Co.	43,208	Aug. 16	111	1931
Locks and latches.	P. & F. Corbin	41,961	Jan. 26	108	1046
Logging-tools. Certain named	Champion Tool & Handle Works	42,517	Apr. 26	109	2438
Lotion for cure of certain named diseases	Brown & Allen	42,172	Mar. 1	109	270
Lotion. Skin.	C. M. Read	42,853	July 5	111	295
Lotion to be applied to the face and hands	Cumaleina Manufacturing Co.	42,070	Feb. 16	108	1862
Lotions, creams, and powders. Skin	Berzinski & Richter	43,779	Nov. 29	113	1411
Lotions, creams, cosmetics, and pastes	E. F. Wood	42,297	Mar. 29	109	1331
Lozons. Skin.	A. Duval	41,930	Jan. 19	108	792
Lozenges or throat-tablets. Bronchial	L. J. Gerson	42,167	Mar. 1	109	270
Lubricants	United Manufacturing & Supply Company.	43,946	Dec. 13	113	1963
Lubricants. Certain named	Ohio Filler & Shield Co.	41,955	Jan. 26	108	1045
Lubricants soluble in water	Fuller & Jones	42,184	Mar. 1	109	272
Lubricating compound for electrical commutators	A. S. Hickley	43,027	Nov. 1	113	274
Lubricating compounds. Certain named	O. F. Zurn Company	42,496	Apr. 26	109	2436
Lubricating compounds. Certain named	O. F. Zurn Company	42,497	Apr. 26	109	2436
Macaroni and egg-noodles	Scott Egg Noodle Co.	42,946	July 5	111	294
Macaroni and vermicelli	J. B. Canepa	42,550	May 3	110	301
Macaroni. Certain named	Michigan Macaroni Co.	43,588	Oct. 25	112	2087

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Title.	Name.	No.	Date.	Official Gazette.	
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Machine. Certain named	J. C. Dow	42,647	May 17	110	854
Machines for certain named purposes	United Shoe Machinery Company	42,286	Mar. 22	109	1064
Machinery. Certain named	Duluth Gas Engine Works	43,196	Aug. 16	111	1980
Magazine or periodical. Monthly	Arkeley Company	43,003	July 12	111	574
Malt liquors. Certain named	Barclay Perkins & Co.	42,439	Apr. 19	109	2163
Malt liquors. Certain named	Barclay Perkins & Co.	42,440	Apr. 19	109	2164
Malt or malt tonic	Dubuque Brewing & Malting Co.	42,984	July 12	111	572
Malt preparations. Legumine	Süssmann & Hoffmann	42,888	June 28	110	2502
Manifolding devices	Westenhoff & Co.	42,153	Feb. 23	108	2140
Marking substances and crayons and pencils	Bianey & Smith Co.	41,937	Jan. 26	108	1043
Matches. Friction	Ohio Match Company	42,232	Mar. 15	109	799
Matches. Friction	Ohio Match Co.	42,672	May 24	110	1161
Matches. Friction	Union Match Company	43,517	Oct. 11	112	1474
Matches. Friction	Union Match Company	43,518	Oct. 11	112	1474
Matches of wood or cardboard	E. Woodward	43,885	Sept. 20	112	722
Matches. Safety	C. Rosenstein Company	43,450	Oct. 4	112	1207
Mattresses	W. H. Robinson	43,349	Sept. 13	112	494
Mattresses, cushions, and couches	Hirsch & Spitz Manufacturing Co.	43,160	Aug. 16	111	1926
Mattresses, pillows, and bolsters	Flosilk Mattress Mfg. Co.	43,153	Aug. 9	111	1620
Measuring-tapes	Kouffel & Esser Co.	43,745	Nov. 22	113	1139
Measuring-tapes	Kouffel & Esser Co.	43,746	Nov. 22	113	1139
Measuring vessels. Sheet-metal	F. X. Massot	43,213	Aug. 16	111	1932
Meats. Certain named	T. M. Sinclair & Co.	42,318	Apr. 5	109	1599
Medical compound. Certain named	S. B. Goff & Sons Co.	43,335	Sept. 13	112	638
Medical compound for correction of foot troubles	S. B. Goff & Sons Co.	43,216	Mar. 22	109	545
Medical compound or tonic for certain named diseases	York Chemical Company	43,185	Aug. 16	111	1929
Medical compounds. Certain named	Occi-Orient Medicine Company	43,090	Aug. 2	111	1357
Medical compounds. Certain named	Actien-Gesellschaft für Anilin-Fabrikation	43,628	Nov. 1	113	275
Medical compounds. Certain named	H. S. Wellcome	43,738	Nov. 22	113	1198
Medical compounds. Certain named	Parker & Budd	43,753	Nov. 22	113	1140
Medical compounds for certain named diseases	P. M. Boehme	43,678	Nov. 8	113	544
Medical magazines	S. B. Hartman	43,460	Oct. 11	112	1469
Medical pastes and salves	Wollwischer u. Kämmerer Döhl ren bei Hannover	42,421	Apr. 19	109	2162
Medical preparation for cure of certain named diseases	Bremner Extract Company	42,132	Feb. 23	108	2138
Medical preparation for the treatment of certain named diseases. Liquid	Asmo Remedy Co.	42,417	Apr. 19	109	2162
Medical preparations. Certain named	Norwich Pharmacal Co.	42,630	May 17	110	853
Medical preparations. Certain named	E. C. De Witt & Co.	43,026	July 19	111	800
Medical preparations. Certain named	G. B. Hakens	43,375	Sept. 20	112	721
Medical preparations for certain named diseases	Pineule Medicine Company	42,893	June 28	110	2503
Medical tablet for certain named diseases	C. E. Jones	43,679	Nov. 8	113	544
Medicated adhesive plasters	G. Mortimer	42,216	Mar. 8	109	2145
Medicated blackberry cordial	Pineule Medicine Co.	42,661	May 24	110	1160
Medicated salt	Bourland & Stevens Bros	42,413	Apr. 19	109	2161
Medicated salt	Bourland & Stevens Bros	42,414	Apr. 19	109	2161
Medicated stock and poultry food products	Medicura Food Co.	43,558	Oct. 18	112	1743
Medicated tonic beverage	Vim-o Manufacturing Co.	42,542	May 3	110	300
Medicinal absorbents. Certain named	Dr. W. Beck Company	42,900	June 28	110	2504
Medicinal and food compounds. Certain named	C. F. Boehringer & Soehne	42,452	Apr. 19	109	2165
Medicinal compound employed in the treatment of hogs	J. F. Abel	43,097	Aug. 2	111	1357
Medicinal compound for certain named diseases	B. J. Kister	43,338	Sept. 13	112	493
Medicinal compounds. Certain named	L. Flemer	43,884	Dec. 20	113	1007
Medicinal extracts. Dried herbs for making	M. L. Brauns & Co.	43,440	Oct. 4	112	1207
Medicinal oils	F. L. Gutches	42,634	May 17	110	853
Medicinal preparation for certain named diseases	J. D. Riedel	41,917	Jan. 19	108	791
Medicinal preparation for cure of certain named diseases	R. F. Burnham	42,069	Feb. 16	108	1863
Medicinal preparation for the cure of influenza, neuralgia, and headache	J. A. Buckley	42,986	July 12	111	573
Medicinal preparations. Certain named	J. R. Planten	43,225	Aug. 23	111	2214
Medicinal preparations. Certain named	L. D. Gardner	42,450	Apr. 19	109	2165
Medicinal preparations. Certain named	R. B. Paddock	43,091	Aug. 2	111	1357
Medicinal preparations for human and veterinary use	H. S. Wellcome	43,566	Oct. 18	112	1734
Medicinal preparations for the treatment of certain named diseases	Leslie E. Keeley Company	43,144	Aug. 9	111	1619
Medicinal preparations in capsules. Certain named	J. R. Planten	43,226	Aug. 23	111	2214
Medicinal remedy for certain named diseases	L. S. Smith	42,955	July 5	111	295
Medicinal salts for certain named diseases	L. J. Barker	43,620	Nov. 8	113	574
Medicinal salve	Larley & Putz	42,901	June 28	110	2504
Medicinal salves	J. W. Thomas	42,770	June 7	110	1717
Medicinal smoking preparation for curing certain named diseases	Doctor Blosser Company	42,576	May 10	110	598
Medicinal smoking preparation for curing certain named diseases	Doctor Blosser Company	42,577	May 10	110	598
Medicinal tablets for certain named diseases	A. Rogers	42,266	Mar. 22	109	1062
Medicinal tonic	L. Dreyfus	42,298	Mar. 29	109	1331
Medicinal waters. Certain named	Finlay, Dicks & Co.	42,827	June 14	110	2010
Medicinally-prepared tablets for certain named diseases	G. H. Fuller	42,834	Apr. 5	108	1601
Medicine. Blood	E. E. Rice	41,983	Feb. 2	108	1322
Medicine. Certain named	Müller & Linsert	42,128	Feb. 23	108	2137
Medicine. Certain named	Pineule Medicine Co.	42,129	Feb. 23	108	2138
Medicine. Certain named	Pineule Medicine Co.	42,130	Feb. 23	108	2138
Medicine. Certain named	Pineule Medicine Co.	42,131	Feb. 23	108	2138
Medicine. Certain named	L. W. Leithhead Drug Co.	42,447	Apr. 19	109	2164
Medicine. Certain named	Solurol (Thymic Acid) Company	43,089	Aug. 2	111	1356
Medicine-chests. Suspended wall	Dr. Gillette Medical Cabinet Company	42,678	May 24	110	1161
Medicine for appendicitis	Appendicine Medical Co.	43,415	Sept. 27	112	950
Medicine for certain named diseases	C. Ziffer	41,901	Jan. 19	108	790
Medicine for certain named diseases	J. H. Neagle	42,619	June 21	110	2228
Medicine for certain named diseases	Black Diamond Medicine Co.	43,186	Aug. 16	111	1929
Medicine for certain named diseases	Maize Products Co.	43,752	Nov. 22	113	1139
Medicine for certain named diseases. Liquid	S. R. Burford	42,168	Mar. 1	109	270
Medicine for cure of certain named diseases	Alpoli Company	42,243	Feb. 15	109	801
Medicine for diseases of the internal organs	G. Phipps	42,245	Mar. 15	109	801

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Medicine for internal use. Antiseptic	G. Brackett.	41,928	Jan. 19	108	792
Medicine for relief of headache	Garfield Tea Company	42,126	Feb. 23	108	2137
Medicine for relief of indigestion	Garfield Tea Company	42,127	Feb. 23	108	2137
Medicine for the cure of certain named diseases	Duluth Medicine Company	42,246	Apr. 19	109	2164
Medicine for the cure of certain named diseases	Sageo Company	42,489	Apr. 26	109	2164
Medicine for the cure of certain named diseases	J. Evans	43,307	Sept. 6	112	245
Medicine for the cure of certain named diseases. Liquid	M. P. Blair	42,898	June 28	110	2503
Medicine for the cure of diseases of the feet	E. C. Rice	43,754	Nov. 22	113	1140
Medicine for the treatment of certain named diseases, &c.	Farbwerke vormals Meister, Lucius & Brüning	43,539	Oct. 18	112	1740
Medicine for treatment of the blood and viscera	East India Chemical Company	42,502	June 28	110	2503
Medicine. Laxative and mildly-purgative	Swift Brothers	43,283	Sept. 6	112	243
Medicine. Prophylactic	Berliner Hygiene, Gesellschaft mit Beschränkter Haftung.	42,632	May 17	110	853
Medicine put up in concrete form. Laxative.	F. A. Week Co	42,214	Mar. 8	109	544
Medicine. Rheumatism	C. H. Platt	42,348	Apr. 5	109	1602
Medicine to promote development of pure blood.	W. N. Ley	43,088	Aug. 2	111	1356
Medicine used as a remedy for diseases of the liver, kidneys, and stomach.	B. Westwood	42,729	May 31	110	1422
Medicines. Antinarcotic	J. W. Fowlering	41,941	Jan. 26	108	1044
Medicines. Catarrh and cough	L. Bodie	42,215	Mar. 8	109	544
Medicines. Certain named	Greenville Medicine Company	42,481	Apr. 26	109	2434
Medicines. Certain named	C. F. Keller, Jr.	42,891	June 28	110	2503
Medicines. Certain named proprietary	P. Hobart	41,918	Jan. 19	108	791
Medicines for affections of the throat and teeth	E. L. Siccard	43,922	Dec. 27	113	2496
Medicines for certain named diseases	F. Connor & Fils, Cie	42,775	Nov. 29	113	1411
Medicines for cure of female complaints.	Dr. Richards Dyspepsia Tablet Association.	42,244	Mar. 15	109	801
Medicines for regulating or controlling the flow of blood.	Abbott Alkaloidal Co	42,333	Apr. 5	109	1601
Medicines for treatment of diseases of cats	C. L. Bickum	42,137	Feb. 23	108	2138
Medicines. Liquid proprietary	F. D. Strickland	42,328	Apr. 5	109	1600
Medicines or remedies. Worm	J. D. Wolf	43,337	Sept. 13	112	493
Medicines. Tonic and laxative	Harts Medicine Co	42,037	Feb. 9	108	1582
Metal and furniture polish	Eagle Manufacturing Co.	41,954	Jan. 26	108	1045
Metal and stove polish	H. Pape	42,210	Mar. 8	109	544
Metal. Babbitt	L. Cohen	42,090	Feb. 5	108	1866
Metal. Bearing	Frictionless Metal Co	42,681	May 24	110	1162
Metal-polishes	Raines & Co	41,891	Jan. 19	108	789
Metal productions. Certain named	Chrome Steel Works	42,051	Feb. 9	108	1583
Metal productions. Certain named	Chrome Steel Works	42,091	Feb. 16	108	1866
Metal scouring and polishing powder. Certain named	Abrazine Company	42,105	Feb. 23	108	2135
Metal. Unctuous mixture for protecting	Sylvan Manufacturing Company	42,553	May 3	110	301
Metals. Antifriction and Babbitt	B. H. Seabury	42,389	Apr. 12	109	1882
Metals. Certain named	John Finn Metal Works	41,879	Jan. 12	108	556
Metals. Certain named	Ajax Metal Company	43,100	Aug. 2	111	1353
Metals. Liquid compound for use in cutting, boring, and drawing of	S. Bancroft	42,379	Apr. 12	109	1882
Metals or metallic alloys. Composition for cleaning and polishing	N. Thestrup	42,990	July 12	111	573
Meters. Certain named	Controller Company of America	42,928	June 28	110	2506
Mica in blocks, sheets, and powder	F. F. Chrestien	43,661	Nov. 8	113	542
Milk and compounds thereof. Dry	J. J. Sleeper	43,534	Oct. 18	112	1740
Milk and milk products	Booklovers Library	41,865	Jan. 12	108	554
Milk. Condensed	Sanitas Condensed Milk Co	41,947	Jan. 26	108	1045
Milk. Condensed	Sanitas Condensed Milk Co	43,263	Aug. 30	111	2486
Milk, condensed milk, cream, and evaporated cream	Michigan Condensed Milk Co	42,025	Feb. 9	108	1581
Milk, condensed milk, cream, and evaporated cream	Michigan Condensed Milk Co	42,026	Feb. 9	108	1581
Milk, condensed milk, cream, and evaporated cream	Michigan Condensed Milk Co	42,027	Feb. 9	108	1581
Milk, condensed milk, cream, and evaporated cream	Michigan Condensed Milk Co	42,546	May 3	110	301
Mills for grinding grain, seeds, and drugs	New Winona Manufacturing Company	43,755	Nov. 22	113	1140
Mineral water	R. G. Melson	42,121	Feb. 23	108	2137
Mineral water	H. F. Schnelker	42,400	Apr. 19	109	2160
Mineral water. Certain named	Johnson Bros.	43,184	Aug. 16	111	1929
Mineral water. Natural	Red Oak Spring Co	42,773	June 7	110	1713
Mineral waters	H. E. Reyneil & Co.	42,980	July 12	111	572
Mineral waters. Artificial	Hydatso Mineral Water Company	42,985	July 26	111	1030
Money-boxes, cash-registers, and calculating-machines.	W. Chubbuck	43,471	Oct. 11	112	1470
	Charles J. Clark Manufacturing Co.	43,340	Sept. 13	112	493
	Regina Registrirkassen- und Präzisionswerkzeug- Fabrik, G. M.	42,995	July 12	111	574
	B. H.				
Mop-wringers and buckets combined	F. M. Fritsch	42,741	May 31	110	1423
Mousseline-de-soie	L. Mondon	43,915	Dec. 27	113	2495
Mowers. Lawn	Blair Mfg. Co.	43,602	May 10	110	596
Muffs	Ives Company	43,751	Nov. 22	113	1139
Musio-rolls and accessories thereto. Certain named	Aeolian Co.	43,421	Oct. 4	112	1205
Musical instrument	J. J. Stivers	43,264	Aug. 30	111	2486
Musical-instrument wire. Stringed	American Felt Company	42,675	May 24	110	1161
Musical instruments. Certain named	L. C. Smith	43,218	Aug. 23	111	2213
Musical instruments. Keyed stringed	American Music Company	42,015	Feb. 9	108	1580
Mustard	J. & J. Colman	43,055	Oct. 4	112	1205
Nail cutters and cleaners	L. C. Langie	43,074	Nov. 13	113	543
Nailpins. Sanitary	Seabury & Johnson	42,174	Mar. 1	109	271
Needles and pins, bodkins, and crochet-hooks. Certain named	Henry Milward & Sons	42,450	Apr. 19	109	2166
Needles. Certain named	H. Heusch & Cie	43,400	Sept. 27	112	949
Newspapers. Daily and weekly	Boston Herald Company	42,749	June 7	110	1715
Night-ropes and pajamas	Steiner & Son	43,331	Sept. 13	112	493
Night-ropes and pajamas	Oppenheim, Oberdorf & Co.	43,867	Dec. 20	113	2205
Nose-guards	F. A. Hardy & Co.	43,137	Aug. 9	111	1618
Nut-crackers	J. E. Hamilton	42,427	Apr. 26	109	2160
Nutritive compound for invalids	F. W. R. Eschmann	41,979	Feb. 2	108	1321
Out-canoe	D. Grierson	43,310	Sept. 6	112	216
Oatmeal-cocoa preparations	Oatmeal Cocoa Company	42,030	Feb. 9	108	1581
Oil. Antiseptic	L. M. Webb & Co.	42,335	Apr. 5	109	1001

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Oil. Antiseptic healing.....	Paris Medicine Co.....	42,771	June 7	110	1717
Oil. Butter.....	Kentucky Refining Co.....	42,271	Mar. 22	109	1063
Oil. Butter.....	Kentucky Refining Co.....	42,272	Mar. 22	109	1063
Oil cake, Vegetable.....	F. G. Kinsley & Co.....	41,398	Jan. 19	108	780
Oil. Castor.....	H. M. Swardley.....	42,270	Mar. 22	109	1063
Oil. Certain named.....	Chemische Fabrik Flörsheim, Dr. H. Noerdlinger.....	42,593	May 10	110	595
Oil-cloth wall-covering.....	Standard Table Oil Cloth Co.....	42,694	May 24	110	1163
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,236	Mar. 15	109	800
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,237	Mar. 15	109	800
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,273	Mar. 22	109	1063
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,274	Mar. 22	109	1063
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,275	Mar. 22	109	1063
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,276	Mar. 22	109	1063
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,591	May 10	110	595
Oil. Cotton-seed.....	Kentucky Refining Co.....	42,592	May 10	110	595
Oil. Harness.....	J. C. Davidson.....	42,031	July 19	111	800
Oil. Healing.....	M. W. Savage.....	41,817	Jan. 5	108	282
Oil. Mineral.....	Westinghouse Electric & Manufacturing Company.....	42,631	Nov. 1	113	275
Oil. Olive.....	Los Angeles Olive Growers' Ass'n.....	42,081	Feb. 16	108	1865
Oil. Olive.....	F. Sanguinetti & Cie.....	42,323	Apr. 5	109	1600
Oil. Olive.....	F. Sanguinetti & Cie.....	42,404	Apr. 19	109	2160
Oil. Olive.....	Barton & Guestier.....	42,530	May 10	110	593
Oil. Olive.....	A. Agosto.....	42,163	Aug. 16	111	1926
Oil tablets, Castor.....	Matthews Remedy Co.....	42,539	Dec. 13	113	1962
Oils and greases, Lubricating.....	O. F. Zurn Company.....	42,498	Apr. 26	109	2436
Oils and greases, Lubricating.....	O. F. Zurn Company.....	42,499	Apr. 26	109	2436
Oils and lubricating greases and pastes, Lubricating.....	L. Sonneborn Sons.....	42,496	Sept. 20	112	732
Oil. Lubricating.....	Grey Leitch & Co.....	42,066	July 26	111	1032
Oils. Lubricating.....	Vacuum Oil Company.....	42,284	Sept. 6	112	243
Oils. Lubricating and illuminating.....	Valvoline Oil Company.....	42,632	Nov. 1	113	275
Oils of eucalyptus and combinations thereof.....	G. T. C. Adams.....	42,854	June 21	110	2229
Oil. Olive.....	Marchesini Brothers.....	42,320	Apr. 5	109	1600
Oil. Olive.....	Marchesini Brothers.....	42,321	Apr. 5	109	1600
Oil. Olive.....	Marchesini Brothers.....	42,322	Apr. 5	109	1600
Ointment.....	J. E. Allison.....	41,986	Feb. 2	108	1322
Ointment.....	Thompson Medical Company.....	41,987	Feb. 2	108	1322
Ointment.....	M. J. Worthington.....	42,851	June 21	110	2228
Ointment.....	Joseph D. Brown Chemical Company of Baltimore City.....	42,063	July 26	111	1031
Ointment and cutaneous preparations and remedies.....	R. Reiss.....	42,188	Aug. 16	111	1927
Ointment. Certain named.....	Norwich Pharmacal Co.....	42,638	May 17	110	853
Ointment for the cure of certain named diseases.....	E. T. Dunkeson.....	42,169	Aug. 16	111	1927
Ointments.....	Ray Oleoceph Benevolent and Educational Institute and Club.....	42,574	May 10	110	593
Ointments.....	Caffeino Drug Company of Baltimore City.....	42,170	Aug. 16	111	1927
Ointments.....	Foster-Milburn Co.....	42,570	Oct. 18	112	1743
Ointments and ointment bases.....	Searing & Glatz.....	42,451	Apr. 19	109	2165
Ointments and salves.....	C. L. Douglas.....	42,533	May 3	110	299
Olives and pickles.....	O. Shepard & Co.....	42,181	Aug. 16	111	1928
Opera-glasses.....	F. A. Hardy & Co.....	42,932	Dec. 27	113	2497
Opera-glasses, field-glasses, and telescopes.....	Geo. Borgfeldt & Co.....	42,145	Feb. 23	108	2139
Optical goods, Certain named.....	Geo. Borgfeldt & Co.....	42,146	Feb. 23	108	2139
Optical goods. Certain named.....	Vve. E. Colomont, Valette et Cie.....	42,219	Mar. 8	109	545
Organ-blowers.....	McIntire, Magee & Brown.....	42,365	Sept. 20	112	720
Ornaments made of wood.....	Kinetic-Swanton Company.....	42,709	Nov. 15	113	843
Overalls.....	A. Vischer & Co.....	41,811	Jan. 5	108	281
Overalls, pants, and blouse or work shirts.....	Nunnally Bros.....	42,773	June 14	110	2077
Overalls, pants, and jumpers.....	M. Loeb & Co.....	41,886	Jan. 19	108	788
Overcoats, ulsters, and raincoats.....	Shawnee Garment Manufacturing Company.....	42,484	Oct. 4	112	1205
Overcoats.....	Blumenthal Bros. & Co.....	42,204	Mar. 8	109	549
Overshirts of all kinds, Men's and boys.....	A. E. Little & Co.....	42,494	Apr. 19	109	2163
Oxygen. Compounds for liberating.....	Rosen & Herman.....	42,102	Feb. 23	108	2135
Oysters in canned and bulk form.....	McKesson & Robbins.....	42,807	June 14	110	2008
Packing. Asbestos and rubber.....	Take Point Oyster Co.....	42,235	Mar. 15	109	800
Packing for parts of machinery.....	O. Sayen.....	42,699	Nov. 1	113	276
Packing for valve-joints.....	Charleston Metallic Packing Co.....	42,150	Aug. 9	111	1620
Packing. Metallic.....	Fairbanks Company.....	42,558	May 3	110	302
Packing. Metallic.....	Holmes Metallic Packing Co.....	42,786	June 7	110	1719
Packing. Metallic.....	Chicago Steam Appliance and Specialty Company.....	42,521	Oct. 11	112	1474
Packing-rings of rubber. Steam.....	B. F. Goodrich Company.....	42,217	Aug. 16	111	1932
Packing. Rubber.....	New Jersey Car Spring and Rubber Company.....	42,696	May 24	110	1163
Packing. Rubber and asbestos.....	Ungarische Gummiwaarenfabriks Actiengesellschaft.....	42,942	July 5	111	294
Paint.....	Giluly & Bard.....	42,380	Apr. 12	109	1382
Paint and varnish.....	Lowe Brothers Company.....	42,255	Aug. 30	111	2485
Paint and varnish remover.....	Adams & Elting Co.....	42,811	Dec. 6	113	1698
Paint. Black waterproof roofing.....	Atlantic Refining Co.....	42,190	Aug. 16	111	1929
Paint. Certain named.....	Muralo Company.....	42,555	May 3	110	301
Paint. Coating and preserving.....	C. C. A. Lepplen.....	42,618	May 17	110	832
Paint. Cold-water weatherproof.....	Muralo Company.....	42,032	July 19	111	800
Paint. Graphite.....	International Acheson Graphite Co.....	42,680	Nov. 8	113	544
Paint in dry powdered form. Cold-water weatherproof.....	Muralo Company.....	42,780	June 7	110	1719
Paint in paste form. Water.....	Water Paint Company of America.....	42,554	May 3	110	301
Paint. Marine.....	Chilton Paint Co.....	41,840	Jan. 5	108	284
Paint, paint-pigments, and lampblack.....	Natural Carbon By-Products Company.....	42,044	Feb. 9	108	1583
Paints and anticorrosives.....	Suter Hartmann & Rahtjen's Composition Company.....	42,598	Oct. 25	112	2088
Paints and colors.....	Kohn & Fellnitz.....	42,306	Mar. 29	109	1332
Paints and painters' supplies. Certain named.....	Standard Varnish Works.....	42,596	May 10	110	595

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Paints and painters' supplies. Certain named	Standard Varnish Works	43,146	Aug. 9	111	1619
Paints and painters' supplies. Certain named	Standard Varnish Works	43,147	Aug. 9	111	1620
Paints and painters' supplies. Certain named	Standard Varnish Works	43,286	Sept. 6	112	243
Paints and painters' supplies. Certain named	Standard Varnish Works	43,890	Dec. 20	113	2208
Paints for certain named purposes	Columbia Refining Co.	43,064	July 26	111	1031
Paints. Mixed	Water Paint Company of America	43,191	Aug. 13	111	1930
Painters' supplies. Certain named	Standard Varnish Works	42,809	June 14	110	2008
Painters' supplies. Certain named	Benjamin Moore & Company	43,065	July 26	111	1032
Pans. Metal baking	August Mieg Co.	43,951	Dec. 27	113	2439
Pans. Roasting	Silver & Co.	43,849	Dec. 13	113	1963
Pantographs	O. Sonne	42,144	Feb. 23	108	2139
Paper and envelopes. Certain named	F. Flinn	43,294	Sept. 6	112	243
Paper and envelopes. Writing	F. J. Marshall	42,164	Mar. 1	109	270
Paper and paper-board. Wrapping or building	E. G. Soltmann	43,005	July 12	111	575
Paper and paper-board. Wrapping or building	E. G. Soltmann	43,006	July 12	111	575
Paper. Board	W. E. Wroe & Company	42,194	Mar. 8	109	542
Paper. Carbon	F. Bartelmez	42,974	July 12	111	571
Paper. Carbon	Miller-Bryant-Pierce Co.	43,599	Dec. 20	113	2209
Paper. Carbon	Miller-Bryant-Pierce Co.	43,600	Dec. 20	113	2210
Paper. Carbon or transfer	Oliver Typewriter Company	43,604	Oct. 25	112	2088
Paper. Certain named	Myself-Rollins Co.	43,577	Oct. 25	112	2086
Paper-clips	Cushman & Denison Manufacturing Company	42,425	Apr. 19	109	2162
Paper. Coated embossing cover	Champion Corsted Paper Co.	43,099	Aug. 2	111	1358
Paper. Grease and moisture proof	R. S. Elliot	43,067	July 26	111	1032
Paper-makers' feltings	J. Porritt & Sons	42,824	June 14	110	2010
Paper. Sheathing	Wolf River Paper & Fiber Company	42,785	June 7	110	1719
Paper. Toilet	Scott Paper Co.	41,891	Jan. 5	108	283
Paper. Toilet	Scott Paper Co.	41,892	Jan. 5	108	283
Paper. Toilet	Scott Paper Co.	42,479	Apr. 26	109	2434
Paper. Toilet	Scott Paper Co.	42,480	Apr. 26	109	2434
Paper. Toilet	A. Backhaus	42,973	July 12	111	571
Paper. Toilet	H. K. Gayetty	43,018	Nov. 1	113	273
Paper. Wrapping	Samuel Cupples Wooden Ware Company	42,853	June 14	110	2010
Paper. Writing, packing, and cigarette	A. O. Meyer	42,093	Feb. 23	108	2134
Papers, envelopes, and blank books	M. M. Kallman	43,156	Aug. 16	111	1926
Papers, envelopes, and blank books	M. M. Kallman	43,064	Nov. 5	113	544
Papers. Photographic	Farbenfabriken of Elberfeld Co.	42,312	Apr. 2	109	1592
Paste. Certain named	Bottlers Special Machinery Co.	42,615	May 17	110	851
Paste. Certain named Italian	Maul Bros	43,161	Aug. 16	111	1926
Paste. Italian	Maul Bros	42,709	May 31	110	1420
Pasting-machines	Universal Pasting Machine Company	43,908	Dec. 20	113	2210
Pastry-work. Certain named	W. Biber	43,589	Oct. 25	112	2087
Patterns for cutting dresses	J. S. Bladworth	43,408	Sept. 27	112	949
Peanuts. Salted	Oregon County Orchard Co.	43,720	Nov. 15	113	844
Pencil-sharpeners	D. Gierbach & Sons	42,884	Nov. 28	110	2502
Pencils	Guhl & Harbeck	43,231	Aug. 23	111	2214
Pencils and crayons. Certain named	L. & C. Hardtmuth	42,608	May 17	110	851
Pencils. Certain named	G. Schwannhäuser	42,961	Mar. 29	109	1331
	Bleistiftfabrik vorm. Johann Faber & Co.	42,747	June 7	110	1715
Pencils. Lead	L. & C. Hardtmuth	42,354	Apr. 12	109	1879
Pencils. Lead	E. Faber	43,074	Aug. 2	111	1355
Pens. Fountain	F. C. Brown	43,801	Apr. 19	109	2162
Pens. Metallic	Poure & Co.	42,424	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,802	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,803	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,894	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,895	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,896	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,897	Dec. 20	113	2208
Pens. Metallic	Poure & Co.	43,898	Dec. 20	113	2208
Pepper	J. H. Burden	43,009	July 12	111	575
Perfumed preparations. Certain named	R. & F. Schweickhardt	43,536	Oct. 18	112	1740
Perfumery	Colgate & Co.	42,374	Apr. 12	109	1881
Perfumery	Colgate & Co.	43,338	Sept. 13	112	405
Perfumery extracts and essences and toilet waters	A. J. Hilbert & Co.	42,216	Mar. 8	109	544
Perfumes	Selwyn Importing & Trading Co.	41,988	Feb. 2	108	1322
Perfumes	Selwyn Importing & Trading Co.	41,989	Feb. 2	108	1322
Perfumes. Certain named	Mühlers & Kropff	43,617	Nov. 1	113	273
Perfumes in liquid and powdered form	E. Palmer	43,510	Oct. 11	112	1473
Perfumes in solid, liquid, and powdered form	R. Hudnut	42,442	Feb. 23	108	2135
Perfumes, toilet waters, and sachet-powders	R. Hudnut	42,443	Apr. 19	109	2164
Periodical or magazine	Ladd & Coffin	41,834	Jan. 5	108	283
Periodicals	Ladd & Coffin	41,835	Jan. 5	108	283
Periodicals	Stumpf & Steurer	43,605	Nov. 1	113	273
Periodicals	Judge Company	42,748	June 7	110	1715
Pharmaceutical preparations	Herold Company	43,576	Oct. 25	112	2786
Pharmaceutical preparations. Certain	John Wyeth & Brother	42,987	July 12	111	573
Pharmaceutical preparations for certain named purposes	D. W. Burton	43,241	Aug. 23	111	1159
Pharmaceutical products. Certain named	W. Natterer	42,638	May 24	110	1159
	Chemische Fabrik auf Actien (vorm. E. Schering)	43,418	Sept. 27	112	950
Photographic apparatus	L. Gaumont & Co.	42,784	June 7	110	1719
Photographic developing, toning, and fixing materials	Anthony and Se-well Company	41,994	Feb. 2	108	1323
Photographic film	Eastman Kodak Co.	42,860	June 21	110	2229
Photographic paper and films	Société Anonyme "Luna"	42,861	June 21	110	2230
Photographic paper and films	Société Anonyme "Luna"	42,862	June 21	110	2230
Photographic plates. Developing agent for developing	J. H. Hopper & Co.	42,671	May 24	110	1161
Piano bass-strings	J. A. Schaff	42,643	May 17	110	854
Piano-players	R. B. Fowler	42,642	May 17	110	854
Piano-players and self-playing pianos. Automatic	Kohler & Campbell	42,428	Apr. 19	109	2162

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Pianos.....	Steinway & Sons.....	41,959	Jan. 26	108	1046
Pianos.....	Ivers & Pond Piano Co.....	43,427	Sept. 27	112	950
Pianos.....	Ivers & Pond Piano Co.....	43,711	Nov. 15	113	843
Pianos and organs.....	H. E. Chute.....	43,387	Sept. 23	112	732
Pianos and piano-players. Self playing.....	Kohler & Campbell.....	42,356	Apr. 12	100	1873
Pianos. Miniature grand.....	Wm. Knabe & Co. Mfg. Co. of Baltimore City.....	41,842	Jan. 5	108	284
Pianos. Upright.....	P. G. Mehlín & Sons.....	43,710	Nov. 15	113	843
Pickles.....	Sterling Pickling Works.....	41,896	Jan. 19	108	789
Picture post-cards and color-prints.....	Raphael Tuck & Sons.....	42,528	May 3	110	299
Pictures. Process.....	A. W. Elson.....	41,938	Jan. 26	108	1044
Piece goods. Certain named.....	F. Vietor & Achelis.....	43,021	July 19	111	799
Pile cure or remedy.....	J. G. Walker.....	43,206	Aug. 16	111	1091
Pillows.....	O. B. Starkweather.....	43,222	Aug. 23	111	2213
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,492	Oct. 11	112	1472
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,493	Oct. 11	112	1472
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,494	Oct. 11	112	1472
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,495	Oct. 11	112	1472
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,496	Oct. 11	112	1472
Pillows, beds, and coverlets.....	Chas. Emmerich and Company.....	43,497	Oct. 11	112	1472
Pillows, mattresses, and coverlets.....	Chas. Emmerich and Company.....	43,685	Nov. 8	113	542
Pills.....	Lanman & Kemp.....	42,241	Mar. 15	109	800
Pills and tablets. Cathartic.....	Foster-Milburn Company.....	43,819	Dec. 6	113	1699
Pills. Fever.....	Jiménez & Escobar.....	43,253	Aug. 30	111	2485
Pills for certain named diseases.....	F. L. Lamouette.....	43,505	Oct. 11	112	1473
Pills for purifying the blood.....	E. P. Gardiner.....	43,698	Nov. 15	113	842
Pins. Certain named.....	H. Heusch & Cie.....	43,304	Sept. 6	112	244
Pipe couplings or unions.....	F. Williams.....	42,309	Mar. 29	109	1332
Pipe-wrenches and pipe-vises.....	J. H. Williams and Company.....	42,326	Mar. 8	109	546
Pipes, bolts, rods, and tubing. Die-stocks for.....	Hart Mfg. Co.....	42,339	Sept. 20	112	532
Pipes. Brier.....	E. Deguingand & Son.....	43,475	Apr. 26	109	2434
Pipes. Flexible metal.....	Metallschlauchfabrik Pforzheim, (vorm. Hch. Witzennann,) G. M. B. H.....	41,880	Jan. 12	108	586
Planters and beet-drills. Corn and cotton.....	Moline Plow Co.....	43,853	Dec. 13	113	1964
Planters and grain-drills. Corn.....	Hench & Dromgold Co.....	42,970	July 5	111	296
Plaster compound.....	Pioneer Chemical Company.....	41,985	Feb. 2	108	1332
Plaster or plaster composition. Wall.....	Georgia Wood Fibre Plaster Company.....	43,425	Sept. 27	112	950
Plaster. Wall.....	H. J. Horn Co.....	43,455	Oct. 4	112	1308
Plasters. Porous.....	Bauer & Black.....	42,143	Feb. 23	108	2139
Plastic material. Certain named.....	Viscoloid Co.....	43,210	Aug. 16	111	1932
Plows, cultivators, and harrows.....	Rawlings Implement Co.....	43,088	Nov. 8	113	544
Plows, cultivators, and harrows.....	Rawlings Implement Co.....	43,396	Dec. 27	113	2498
Plows, harrows, and cultivators.....	Hench & Dromgold Company.....	43,039	July 19	111	801
Plumbers' use. Gasolene fire-pots and torches for.....	Clayton and Lambert Manufacturing Company.....	43,096	July 19	111	801
Pocket-books, wallets, purses, and change-bags.....	E. & J. Bass.....	42,569	May 10	110	592
Poisons for animals.....	K. Weiss.....	42,904	June 28	110	2504
Poker-chips.....	S. Langstaff & Co.....	42,881	June 21	110	2111
Polish for glass, metal, and wooden ware.....	A. H. Lambrecht.....	43,542	Oct. 18	112	1740
Polish for wood and furniture.....	W. L. King.....	42,779	June 7	110	1718
Popcorn molded into blocks or cakes.....	Dishinger and Marks.....	43,410	Sept. 27	112	940
Porter.....	Aktiebolaget D. Carnegie & Co.....	43,808	Dec. 6	113	1698
Pottery. Hand-decorated under-glazed art.....	Roseville Pottery Co.....	43,793	Nov. 29	113	1412
Poultries.....	E. S. Athearn.....	42,726	May 31	110	1422
Powder. Bath and talcum.....	H. C. G. Luyties.....	42,041	Feb. 9	108	1582
Powder books. Paper.....	A. S. Butler.....	42,171	Mar. 1	109	270
Powder for certain named diseases. Effervescent.....	Gotham Chemical Co.....	42,890	June 28	110	2503
Powder for destroying bedbugs.....	E. Templeton.....	42,806	June 14	110	2008
Powder. Insect.....	R. Roberts.....	43,844	Dec. 13	113	1963
Powder. Talcum.....	Lord and Russell.....	42,573	May 10	110	593
Powder. Tooth.....	H. C. G. Luyties.....	42,040	Feb. 9	108	1582
Powder. Tooth.....	McKesson & Robbins.....	42,921	June 28	110	2505
Powder. Tooth.....	L. Sievert.....	43,145	Aug. 9	111	1610
Powder. Worn.....	M. W. Savage.....	41,816	Jan. 5	108	282
Powders. Face.....	Tetlow Manufacturing Company.....	43,510	Oct. 11	112	1473
Powders. Face.....	Tetlow Manufacturing Company.....	43,671	Nov. 8	113	543
Powders. Headache.....	W. Gaus.....	42,371	Apr. 12	109	1881
Powders, salves, and lotions. Healing.....	W. Dupont.....	43,473	Oct. 11	112	1471
Powders. Shampoo.....	R. J. Fay.....	42,572	May 10	110	592
Power-transmitting machinery. Certain named.....	Dodge Manufacturing Company.....	42,462	Apr. 19	109	2166
Preparation for the alleviation and cure of certain named diseases.....	Pineule Medicine Co.....	42,660	May 24	110	1100
Preserves, jams, jellies, and fruit condiments. Fruit.....	Shaw Preserve Company.....	43,356	Oct. 18	112	1742
Printed matter. Certain named.....	O. J. Rogers.....	42,925	Sept. 6	112	244
Printing-machines.....	A. L. Chipman.....	43,953	Dec. 27	113	2500
Printing-plates. Apparatus for making stereotype.....	Campbell Printing Press & Mfg. Co.....	43,105	Aug. 2	111	1358
Printing-presses. Automatic.....	C. J. Whitson.....	43,482	Oct. 11	112	1471
Printing purposes. Synthetic or anilin colors for.....	C. Jäger.....	42,423	Apr. 19	109	2162
Prints. Colored.....	Chicago & Alton Railway Company.....	42,742	May 31	110	1423
Publications.....	Atchison, Topeka and Santa Fe Railway Company.....	43,219	Aug. 23	111	2213
Publications. Certain named.....	McClure, Phillips & Company.....	43,073	Aug. 2	111	1355
Publications. Certain named educational.....	International Textbook Company.....	42,607	May 17	110	851
Publications. Fashion.....	Kunstgewerbliches Unternehmen für Modetischblätter Arnold Bachwitz.....	43,487	Oct. 11	112	1471
Pulleys. Sash.....	P. Dosch.....	43,014	July 12	111	576
Pulp-board containing ground leather.....	A. W. Case.....	43,623	Nov. 1	113	274
Pumping machinery, parts, and attachments.....	Dean Brothers Steam Pump Works.....	42,000	Feb. 2	108	1324
Purgatives.....	Chemische Fabrik auf Actien (vorm. E. Schering).....	43,029	July 19	111	800
Puzzles.....	Blackburn, Hough & Company.....	43,722	Nov. 22	113	1137
Razor-strops.....	Weiffenbach Mfg. Co.....	42,016	Feb. 9	108	1580
Razor-strops.....	Weiffenbach Mfg. Co.....	42,017	Feb. 9	108	1580

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Razor-strops	Weiffenbach Mfg. Co.	42,189	Mar. 1	109	272
Razor-strops	P. L. Frost and G. R. Craw	42,386	Apr. 12	109	1883
Razor-strops	Kampfe Bros.	42,599	May 10	110	596
Razor-strops	Kampfe Bros.	42,600	May 10	110	596
Razor-strops	Eddy Manufacturing Company	43,546	Oct. 18	112	1741
Razors	Moshy & Rahaim	41,830	Jan. 5	108	283
Razors	N. Hatem	42,148	Feb. 23	108	2140
Razors	C. F. Ern	42,150	Feb. 23	108	2140
Razors	C. F. Ern	42,425	Apr. 19	109	2156
Razors	Kraut & Dohnal	42,500	Apr. 26	109	2436
Razors	H. Clauss	42,676	May 24	110	1161
Razors	H. Böker & Co.	42,994	July 12	111	574
Razors	Malhami & Son	43,305	Sept. 6	112	245
Razors	Syracuse Cutlery Company	43,545	Oct. 18	112	1741
Razors and edge-tools. Strop-dressing and preparations for sharpening	Razorine Manufacturing Company	43,171	Aug. 16	111	1927
Razors and razor-blades	Kampfe Bro's	42,782	June 7	110	1719
Razors and razor-blades	Kampfe Bro's	42,783	June 7	110	1719
Razors and razor-blades	Gen. Cutlery Co.	43,232	Aug. 23	110	2314
Razors and razor-blades	Kampfe Bro's	43,257	Aug. 30	111	2485
Razors and razor-blades	Kampfe Bro's	43,258	Aug. 30	111	2485
Razors. Safety	Reichard & Scheuber Mfg. Co.	42,187	Mar. 1	109	272
Razors. Safety	Reichard & Scheuber Mfg. Co.	42,188	Mar. 1	109	272
Razors. Safety	Reichard & Scheuber Mfg. Co.	43,046	Apr. 19	111	822
Razors, safety-razors, and blades therefor.	Reichard & Scheuber Manufacturing Company	43,446	Oct. 4	112	1206
Receptacles. Certain named	Hartmann Truck Company	42,252	Mar. 15	109	801
Reflectors. Glass.	National X-Ray Reflector Company	42,221	Mar. 8	109	545
Razors and preparations. Certain named horse and cattle	J. Strohaner	42,552	June 21	110	2229
Remedies. Certain named.	Iowa Medicine Co.	42,416	Apr. 19	109	2161
Remedies. Dyspepsia.	Underwood & Judd	42,483	Apr. 26	109	2434
Remedies for asthma	L. di Nola	42,897	June 28	110	2503
Remedies for certain named diseases	W. M. Star	42,910	July 10	108	1863
Remedies for certain named diseases	W. E. Hurd	42,766	June 7	110	1717
Remedies for certain named diseases	American Drug Co.	42,895	June 28	110	2503
Remedies for certain named diseases	O. Battista	42,954	July 5	111	295
Remedies for certain named diseases	Radio-Sulpho Co.	43,301	Aug. 16	111	1931
Remedies for certain named diseases	J. Matzner	43,302	Aug. 16	111	1931
Remedies for certain named diseases	Violetta Co.	43,303	Sept. 6	112	245
Remedies for certain named diseases	G. T. Hollister	43,336	Sept. 13	112	493
Remedies for certain named diseases	A. W. Peck	43,478	Oct. 11	112	1471
Remedies for certain named diseases	J. Ricca	43,482	Dec. 13	113	1962
Remedies for cure of anaemia, chlorosis, and similar troubles.	Dr. A. Gude & Co.	41,920	Jan. 19	108	791
Remedies for cure of anaemia, chlorosis, and similar troubles.	Dr. A. Gude & Co.	41,921	Jan. 19	108	792
Remedies for cure of anaemia, chlorosis, and similar troubles.	Dr. A. Gude & Co.	41,922	Jan. 19	108	792
Remedies for cure of anaemia, chlorosis, and similar troubles.	Dr. A. Gude & Co.	41,923	Jan. 19	108	792
Remedies for cure of anaemia, chlorosis, and similar troubles.	Dr. A. Gude & Co.	41,924	Jan. 19	108	792
Remedies for cure of certain named diseases	H. L. Lautemann	41,902	Jan. 19	108	790
Remedies for cure of certain named diseases	Abbott Alkaloidal Co.	42,124	Feb. 23	108	2137
Remedies for cure of certain named diseases	Abbott Alkaloidal Co.	42,125	Feb. 23	108	2137
Remedies for diseases of women in tablet form	B. N. Robinson & Co.	43,447	Oct. 4	112	1207
Remedies for female complaints. Internal	K. E. Hess	42,629	May 17	110	853
Remedies for hay-fever, headache, and catarrh	S. Kelly	43,092	Aug. 2	111	1357
Remedies for internal use. Proprietary	C. Gritta	43,512	Jan. 5	108	281
Remedies for obesity, rheumatism, and gout	R. Rooney	43,657	Nov. 8	113	541
Remedies for pulmonary and infectious diseases.	A. G. Meyer	43,841	Dec. 13	113	1962
Remedies for skin diseases. Liquid	Shendal Pharmaceutical Company	43,776	Nov. 29	113	1411
Remedies for skin diseases. Liquid	J. A. Monger	42,448	Apr. 19	109	2164
Remedies for the cure of certain diseases	L. D. Quinn	43,565	Oct. 18	112	1743
Remedies for treatment of certain named diseases	George H. White, Incorporated	42,123	Feb. 23	108	2137
Remedies for venereal diseases	Neher, Ruhe & Weiper	41,926	Jan. 19	108	792
Remedies. Poultry	E. U. Williams	41,984	Feb. 2	108	1322
Remedy. Certain named. Liquid external.	Paris Medicine Company	43,398	Sept. 20	112	723
Remedy. Constipation	A. C. Fleckenstein	42,828	June 14	110	2010
Remedy. Cough	A. B. Lipp	41,900	Jan. 19	108	790
Remedy for a certain named disease	J. Horsch	42,415	Apr. 19	109	2161
Remedy for all diseases of kidneys, bladder, stomach, and bowels	Vernal Remedy Company	41,903	Jan. 19	108	790
Remedy for animals. External.	A. B. Young	41,861	Jan. 12	108	554
Remedy for cancer. Herb compound used as a	R. H. Browning	43,187	Aug. 16	111	1923
Remedy for catarrh. Liquid spray	S. E. Ensminger	43,027	July 19	111	800
Remedy for certain named diseases	R. W. Whitlatch	42,242	Mar. 15	109	801
Remedy for certain named diseases	J. James	42,329	Apr. 5	109	1601
Remedy for certain named diseases	Le Compte and Gayle Co.	42,350	Apr. 5	109	1601
Remedy for certain named diseases	A. M. Mathews	42,367	Apr. 5	109	1601
Remedy for certain named diseases	Pineule Medicine Co.	42,594	June 28	110	2503
Remedy for certain named diseases	Tuckapaw Medicine Company	43,093	Aug. 2	111	1357
Remedy for certain named diseases. Cones used as a	E. Coppens	43,552	Aug. 30	111	2484
Remedy for certain named diseases. External.	A. J. Shilling	42,247	Mar. 15	109	801
Remedy for coughs and colds	Radio Company	42,676	Sept. 7	110	1717
Remedy for curing certain named diseases	J. E. Muse	41,919	Jan. 19	108	791
Remedy for curing hog-cholera	Tonic Tablet Co.	43,143	Aug. 9	111	1619
Remedy for cutaneous diseases	American Hog Cholera Cure Co.	42,553	June 21	110	2229
Remedy for diseases among live stock and poultry	F. Hoffmann-La Roche & Co.	42,995	Mar. 26	109	1381
Remedy for diseases of the blood and skin.	Nitrolene Manufacturing Company	42,903	June 28	110	2304
Remedy for diseases of the heart	C. E. Campbell	42,381	Apr. 5	109	1601
Remedy for dyspepsia, indigestion, and other stomach troubles.	F. Hoffmann-La Roche & Co.	43,593	Oct. 25	112	2087
Remedy for ear affections	Tarrant Company	42,296	Mar. 29	109	1331
Remedy for scabies	J. W. Evenden	42,956	June 28	110	2503
Remedy for expelling worms from the system	E. L. Jenkins	43,840	Dec. 13	113	1962
Remedy for galls, sores, cuts, and bruises. External.	Lauman & Kemp	42,169	Mar. 1	109	270
Remedy for hemorrhoids or piles	M. W. Savage	42,532	May 3	110	299
Remedy for la grippe and colds	J. A. Thompson	43,885	Dec. 20	113	2307
	H. B. Voorhees	43,778	Nov. 23	113	1411

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Remedy for liver and kidney diseases. Tablets containing a.	Yellow Actors Company	41,925	Jan. 19	108	792
Remedy for malaria	J. M. Hickox	43,700	Nov. 15	113	842
Remedy for piles	J. Dannelly	43,777	Nov. 29	113	1411
Remedy for pneumonia	M. L. Martin	41,859	Jan. 12	108	553
Remedy for sore throat, tonsillitis, and diphtheria.	Gowan Medical Company	42,484	Apr. 26	109	2434
Remedy for the cure of asthma and similar diseases.	C. H. Jennings	43,165	Aug. 16	111	1926
Remedy for the cure of certain named diseases	R. J. Smalley	43,508	Oct. 11	112	1473
Remedy for the prevention and cure of hog-cholera.	P. R. Palethorpe	43,204	Aug. 16	111	1931
Remedy for the treatment of certain named diseases	P. O. Harrier and Company	43,339	Sept. 13	112	493
Remedy for worms. Internal	C. F. Walker	42,730	May 31	110	1422
Remedy in tablet form. Dyspepsia	Pratt Food Company	42,449	Apr. 19	109	2164
Remedy or preparation in tablet form. Headache.	W. F. Nutt	43,921	Dec. 27	113	2496
Remedy. File	Egyptian Remedy Co	42,531	Mar. 3	110	299
Remedy. Rheumatism	C. Maync	42,246	Mar. 15	109	801
Resins and blossoms of forest-trees. Compound of.	Yale Chemical Company	43,168	Aug. 16	111	1927
Revolvers	Forestdor Company	43,597	Oct. 25	112	2088
Rheumatism-drops	M. E. Johnson	43,451	Oct. 4	112	1207
	Die Administration der Dr. Sulzberger'schen Armen-und Krankenstiftung.	43,166	Aug. 16	111	1926
Rheumatism-drops	Die Administration der Dr. Sulzberger'schen Armen-und Krankenstiftung.	43,167	Aug. 16	111	1927
Rheumatism. Liquid cure for	W. C. Holway	42,005	Feb. 9	108	1582
Ribbons	G. Bala'y et Cie	42,520	May 3	110	938
Ribbons. Black	G. Bala'y et Cie	42,521	May 3	110	938
Rice	F. Loeser & Co	41,801	Jan. 5	108	280
Rice	Columbia Rice Packing Co	41,826	Jan. 5	108	283
Rice	Columbia Rice Packing Co	41,827	Jan. 5	108	283
Rice	Columbia Rice Packing Co	41,828	Jan. 5	108	283
Rice	Joseph Heap & Sons	41,829	Jan. 5	108	283
Rice	Meinrath Brokerage Company	42,407	Apr. 19	109	2161
Rings	Stone Bros	42,873	June 28	110	2501
Rings. Filled	W. Loeb & Co	43,323	Oct. 18	112	1739
Rock-drilling machinery and tools	Ostby & Barton Company	43,015	July 19	111	1799
Rock-drilling machinery and tools	Ingersoll-Sergeant Drill Co	42,337	Apr. 19	109	2159
Rock-drills and hammers. Pneumatic.	Ingersoll-Sergeant Drill Co	43,106	Aug. 2	111	1358
Roofing and waterproofing material. Certain named.	M. Hardsocg	42,907	June 28	110	2504
Roofing. Asphalt	National Coal Tar Co	43,942	Dec. 27	113	2498
Roofing. Composition	Patent Vulcanite Roofing Co	41,356	Jan. 26	108	1045
Roofing composition	Sall Mountain Asbestos Mfg. Co	41,881	Jan. 12	108	556
Roofing-felt prepared in asphalt and gravel	A. H. White Co	42,695	May 24	110	1168
Roofing material. Certain named	Argon Asphalt Co	43,910	June 28	110	2505
Roofing. Portable gravel	Eastern Granite Roofing Company	42,929	June 28	110	2506
Roofing. Portable slag	J. F. Young	43,303	Dec. 20	113	2209
Roofing. Prepared	J. F. Young	43,304	Dec. 20	113	2209
Roofing. Prepared	S. R. Holland	42,279	Mar. 22	109	1064
Roofing. Ready tar and felt.	W. A. Zelnicker	42,867	June 21	110	2220
Rope and twine	Barrett Manufacturing Company	42,999	July 12	111	574
	American Manufacturing Company.	42,679	May 24	110	1162
Rope and twine	American Manufacturing Company.	42,708	May 31	110	1419
Rope and twine. Fibrous or textile	Plymouth Cordage Co	42,885	June 21	110	2220
Rope and twine. Fibrous or textile	Plymouth Cordage Company	42,944	July 5	111	294
Rope or twine. Fibrous or textile	Plymouth Cordage Company	42,943	July 5	111	294
Ropes, cords, twine fiber, twine, and binder-twine	International Harvester Company of America.	42,103	Feb. 23	108	2135
Ropes, cords, twine fiber, twine, and binder-twine	International Harvester Company of America.	42,258	Mar. 15	109	802
Rouge	Allison & Lamson	42,920	June 28	110	2505
Rubber balls	Lambertville Rubber Company	43,815	Dec. 6	113	1699
Rubber belting	Gorham Rubber Company	42,471	Apr. 26	109	2433
Rubber belting	Jewell Belting Co	43,520	Oct. 11	112	1474
Rubber boots and shoes	Goodyear Rubber Company	42,365	Apr. 12	109	1880
Rubber boots and shoes	W. F. Mayo and Company	43,757	Nov. 29	113	1409
Rubber boots and shoes and rubber for same.	Rice & Hutchins	43,278	Sept. 6	112	242
Rubber boots, shoes, and sandals	Bentley & Olmsted Company	42,470	Apr. 26	109	2433
Rubber footwear. Certain named	Banner Rubber Co	42,067	Feb. 16	108	1693
Rubber. Footwear composed wholly or in part of.	J. F. Young	42,472	Nov. 29	113	1409
Rubber gloves	Pure Gum Specialty Company	42,011	Feb. 9	108	1579
Rubber gloves	Buffalo Rubber Mfg. Co	43,465	Oct. 11	112	1469
Rubber goods. Certain named	Flexible Rubber Goods Company	41,809	Jan. 5	108	281
Rubber heels and soles for boots and shoes	Foster Rubber Company	41,906	Feb. 2	108	1320
Rubber hose	Mechanical Rubber Co	43,543	Oct. 18	112	1741
Rubber hose	New York Belting and Packing Company.	43,544	Oct. 18	112	1741
Rubber hose	Jewell Belting Co	43,624	Nov. 1	113	274
Rubber hose and cotton hose	Bowers Rubber Company	42,454	Apr. 19	109	2165
Rubber hose and cotton hose	Bowers Rubber Company	42,455	Apr. 19	109	2165
Rubber hose and cotton hose	Bowers Rubber Company	42,456	Apr. 19	109	2165
Rubber hose and cotton hose	Bowers Rubber Company	42,457	Apr. 19	109	2165
Rubber-like gum. Crude	American Crude Rubber Company.	42,814	June 14	110	2009
Rubber nipples	Davidson Rubber Co	42,322	Mar. 6	109	545
Rubber packing	Gorham Rubber Company	42,472	Apr. 26	109	2433
Rubber packing	Gorham Rubber Company	42,473	Apr. 26	109	2433
Rubber packing	Gorham Rubber Company	42,474	Apr. 26	109	2434
Rubber shoes and goshes. India	Ostasiatische Handels-Gesellschaft	42,916	June 28	110	2505
Rubber shoes and goshes. India	Russian-American India Rubber Co.	43,393	Sept. 20	112	723
Rubber sponges	Russian-American India Rubber Co.	41,905	Jan. 19	108	790
Rubber sponges and brushes	Felix & Willis	43,698	Nov. 15	113	841
Rugs	Read Carpet Company	43,023	July 19	111	799
Rye-meal, cornmeal, pearl and flaked hominy, and grits.	Wells-Abbott-Nieman Company	42,406	Apr. 19	109	2160
Sad-iron-polishing compounds	C. Heinrich	43,732	Nov. 29	113	4111
Safes	Herring-Hall-Marvin Safe Co	43,216	Aug. 16	111	1932

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Salt.....	Colonial Salt Co.....	43,555	Oct. 18	112	1742
Salt.....	Ludington Salt Co. of Milwaukee.....	43,611	Nov. 1	113	222
Salt. Evaporated.....	North American Chemical Company.....	43,340	Aug. 23	111	2215
Salve.....	C. S. T. Hansen.....	41,860	Jan. 12	108	553
Salve.....	C. L. Buddenbohn.....	42,248	Mar. 15	109	801
Salve.....	O. H. Hitz.....	42,942	Aug. 23	111	2216
Salve.....	A. A. Elchert.....	43,377	Sept. 20	112	721
Salve and ointments of witch-hazel or hamamelis.....	L. Hicks.....	42,142	Feb. 23	108	2139
Salve for certain named diseases.....	K. Zimmermann.....	43,095	Aug. 2	111	1357
Salve for the cure of injuries or diseases of the skin.....	W. L. King.....	43,769	June 7	110	1717
Salve. Healing.....	Winship Chemical Co.....	43,889	Dec. 20	113	2208
Salve used as a remedy for burns, scalds, and skin diseases.....	J. Beck.....	43,540	Oct. 18	112	1740
Salves.....	G. F. Fuerth.....	42,637	May 17	110	853
Salves.....	J. C. Soevyn.....	43,888	Dec. 20	113	2208
Salves and ointments.....	M. Stuer.....	43,434	Dec. 13	113	1962
Salves, flesh-food, and hair-food.....	E. M. Jones.....	43,658	Nov. 8	113	541
Salves used externally.....	A. V. Mentz.....	43,888	Dec. 20	113	2208
Saponaceous compound for treating fabrics.....	O. F. Zura Company.....	43,420	Apr. 19	109	2162
Sardines.....	A. Watson & Co.....	43,871	Dec. 20	113	2205
Satin and silk.....	Burton Bros. & Co.....	42,703	May 31	110	1419
Satin and silk.....	Burton Bros. & Co.....	42,704	May 31	110	1419
Sawing machinery.....	American Woolen Working Machinery Company.....	42,310	Mar. 29	109	1322
Sawmills operated by steam-engines.....	Hench & Dromgold Company.....	42,040	July 19	111	801
Scale-beams.....	Peck, Stowe & Wilcox Co.....	42,605	May 10	110	396
Scales and weighing-machines. Weighing.....	H. N. Strait Mfg. Co.....	43,104	Aug. 2	111	1368
Scales. Wagon.....	Standard Scale and Foundry Company.....	43,123	Aug. 2	111	1360
Scouring and cleaning compounds.....	A. T. Howell.....	43,870	Dec. 20	113	2205
Screw-drivers and hand-drills.....	North Bros. Mfg. Co.....	43,360	Sept. 13	112	495
Search-lights. Portable.....	Uehling-Decker Company.....	43,314	Sept. 13	112	494
Seed. Clover.....	Whitney Eckstein Seed Co.....	43,856	Dec. 20	113	2204
Seed. Recleaned clover for treating fabrics.....	Whitney Eckstein Seed Co.....	43,856	Dec. 20	113	2204
Seed. Timothy.....	D. I. Bushnell & Co.....	43,443	Oct. 4	112	1206
Seed. Timothy.....	Whitney Eckstein Seed Co.....	43,857	Dec. 20	113	2204
Seines.....	C. & W. McClean.....	43,817	Dec. 6	113	1699
Serum. Curative.....	Serum Laboratories Ruete-Enoch.....	43,703	Nov. 15	113	842
Sewing-machines.....	Abraham & Straus.....	42,927	June 28	110	2506
Sewing-machines.....	C. M. Bryson.....	42,963	July 5	111	296
Sewing-machines and accessories. Dry-thread.....	New Home Sewing Machine Company.....	43,707	Nov. 15	113	843
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,503	Apr. 26	109	2436
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,504	Apr. 26	109	2436
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,505	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,506	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,507	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,508	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,509	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,510	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,511	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,512	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,513	Apr. 26	109	2437
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	42,514	Apr. 26	109	2437
Sewing-machines and attachments.....	Illinois Sewing Machine Company.....	43,176	Aug. 16	111	1928
Sewing-machines and attachments.....	F. P. Green.....	43,260	Aug. 30	111	2485
Sewing-machines and attachments.....	Davis Sewing Machine Co.....	43,388	Sept. 20	112	722
Sewing-machines and attachments.....	National Sewing Machine Co.....	43,322	Oct. 11	112	1474
Sewing-machines and attachments.....	Davis Sewing Machine Company.....	43,660	Nov. 8	113	542
Sewing-machines and parts thereof.....	Illinois Sewing Machine Company.....	42,429	Apr. 19	109	2163
Sewing-machines and their attachments.....	J. E. Sitterley.....	42,614	May 17	110	854
Sewing-machines, attachments, and parts thereof.....	Singer Manufacturing Co.....	42,515	Apr. 26	109	2437
Shade cloth. Window.....	Western Shade Cloth Co.....	43,765	Nov. 29	113	1410
Shades and shade fabrics. Window.....	B. Price.....	42,157	Mar. 1	109	369
Shaft-hangers.....	Standard Pressed Steel Co.....	42,516	Apr. 26	109	2437
Shaving appliances. Certain named.....	Kampfe Bros.....	43,193	Aug. 16	111	1930
Shaving-cream.....	A. Lloyd & Co.....	43,672	Nov. 8	113	543
Shaving devices. Safety.....	Kampfe Bros.....	43,256	Aug. 30	111	1435
Shears and scissors.....	Neckelmann Hermanns.....	42,803	June 21	110	3230
Sheet metal.....	E. Stroemer.....	43,453	Oct. 4	112	1207
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,127	Aug. 9	111	1617
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,128	Aug. 9	111	1617
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,129	Aug. 9	111	1617
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,130	Aug. 9	111	1617
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,131	Aug. 9	111	1618
Sheetings, drillings, and shirtings.....	J. Liepmann & Co's Successors.....	43,132	Aug. 9	111	1618
Sheetings, drills, and flannels. Cotton.....	American Trading Company.....	42,875	June 28	110	2501
Shells. Ammunition.....	Reversible Collar Company.....	43,813	Dec. 6	113	1919
Shirt-fronts and false shirt-bosoms.....	Reversible Collar Company.....	42,654	May 22	110	1159
Shirt-waists. Ladies'.....	Friedman, Rosen & Halperin.....	43,801	Dec. 6	113	1697
Shirts.....	Marks, Rothenberg & Co.....	42,754	June 7	110	1716
Shirts.....	Marks, Rothenberg & Co.....	42,755	June 7	110	1716
Shirts.....	S. Liebovitz Sons.....	43,726	Nov. 22	113	1497
Shirts and drawers.....	H. H. Sanders.....	43,769	Nov. 22	113	1497
Shirts and drawers. Linen.....	Linen Underwear Company.....	42,203	Mar. 8	109	543
Shirts, collars, and cuffs.....	International Shirt and Collar Co.....	41,910	Jan. 19	108	791
Shirts, collars, and cuffs.....	Simons, Hatch and Whitten Company.....	42,936	July 5	111	293
Shirts, collars, and cuffs.....	International Shirt and Collar Co.....	42,937	July 5	111	293
Shirts, collars, and cuffs.....	Yellows and Company.....	41,017	July 19	111	739
Shirts for men and women. Outing.....	Juterman Bros.....	41,913	Dec. 27	113	2495
Shirts, overalls, and coats. Workmen's.....	Weinm-Watt Company.....	42,261	Mar. 22	109	1062
Shoe-polishes. Certain named.....	International Polish & Polish Co.....	42,847	June 21	110	2225
Shoes and leather goods. Polish for.....	Whittemore Bros. and Co.....	42,377	Apr. 18	109	1831
Shoes. Boys' and girls' leather, canvas, and cloth.....	Brown Shoe Company.....	43,758	Nov. 29	113	1409

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Shoes. Fine kid.	Green-Wheeler Shoe Company	42,737	June 7	110	1716
Shoes for men and boys. Leather	Barker, Brown & Co.	42,368	Apr. 12	109	1881
Shoes. Heavy leather.	Manier, Dunbar & Co.	43,020	July 19	111	799
Shoes. Infants' and children's leather	W. H. Schreier	42,263	Mar. 22	109	1062
Shoes. Ladies' and misses' leather	McLean Bunnell Shoe Co.	43,015	July 19	111	799
Shoes. Ladies' leather	Lindner Shoe Co.	43,157	Aug. 16	111	1926
Shoes. Ladies' leather	Lindner Shoe Co.	43,158	Aug. 16	111	1926
Shoes. Ladies' leather	M. J. Whitman Co.	43,348	Sept. 13	112	494
Shoes. Ladies' leather	Hamilton, Brown Shoe Co.	43,640	Nov. 8	113	540
Shoes. Leather	J. P. Hartray Shoe Co.	41,807	Jan. 5	108	281
Shoes. Leather	M. L. Whitcomb	41,889	Jan. 19	108	298
Shoes. Leather	National Shoe Manufacturing Co.	42,567	May 10	110	592
Shoes. Leather	F. Mayer Boot & Shoe Co.	43,273	Sept. 6	112	242
Shoes. Leather	F. Mayer Boot & Shoe Co.	43,274	Sept. 6	112	242
Shoes. Leather	Wagner Brothers	43,438	Oct. 4	112	1306
Shoes. Leather	C. K. Sharrow	43,607	Nov. 1	113	272
Shoes. Leather	Hamilton, Brown Shoe Co.	43,718	Nov. 15	113	844
Shoes. Leather	Peters Shoe Co.	43,723	Nov. 22	113	1137
Shoes. Leather	Rubinsky, Lande & Co.	43,938	Dec. 27	113	2498
Shovels, spades, scoops, and spading-forks	Supplie Hardware Co.	42,360	May 3	110	302
Shovels, spades, scoops, and spading-forks	Supplie Hardware Co.	42,788	June 7	110	1710
Signs. Illuminated.	E. W. Clark and H. J. Gilie	42,154	Feb. 23	108	2140
Silk	Paragon Silk Company	43,133	Aug. 9	111	1618
Silk and cotton muslin fabric.	L. London	43,916	Dec. 27	113	2495
Silk dress goods.	Stewart Silk Company	41,936	Jan. 26	108	1043
Silk dress goods.	Rogers & Thompson	43,314	May 3	110	1715
Silk dress goods.	Rogers & Thompson	42,751	June 7	110	1715
Silk dress pieces and linings.	Bradford Dyers' Association	42,361	Apr. 12	109	1880
Silk fabrics.	York Silk Manufacturing Company	42,062	Feb. 16	108	1862
Silk fabrics.	York Silk Manufacturing Company	42,063	Feb. 16	108	1862
Silk fabrics.	York Silk Manufacturing Company	43,553	Oct. 38	112	1863
Silk fabrics.	York Silk Manufacturing Co.	42,810	June 14	110	2009
Silk fabrics.	Stern & Pohly	43,491	Oct. 11	112	1472
Silk fabrics. Woven.	Phalanx Silk Mill	43,829	Dec. 13	113	1961
Silk goods. Certain named.	Duncan & Stenz	42,334	July 5	111	293
Silk goods in the piece	Rogers & Thompson	43,314	May 17	110	1715
Silk piece goods.	Gilbert Manufacturing Company	41,602	Jan. 5	108	280
Silk. Stitching.	Oesterreich & Klapinski	43,073	Aug. 2	111	1355
Silk yarn. Artificial.	General Artificial Silk Company	43,583	Oct. 25	112	2086
Silks.	Slatington Textile Manufacturing Co.	42,005	Feb. 9	108	1579
Silks.	Slatington Textile Manufacturing Co.	42,006	Feb. 9	108	1579
Silks.	Stewart Silk Company	42,260	Mar. 22	109	1062
Silks.	Passavant & Co.	43,581	Oct. 25	112	2086
Silks.	M. C. Migel	43,314	Dec. 27	113	2495
Silks. Dress.	Norfolk Silk Co.	43,135	Aug. 9	111	1618
Silks. Dress.	Norfolk Silk Co.	43,136	Aug. 9	111	1618
Silks. Dress.	Liberty Silk Co.	43,582	Oct. 25	112	2086
Silks. Neckwear	J. R. Keiser	42,935	July 5	111	293
Silver. Organic salts of.	Cassebeer Pharmaceutical Co.	42,614	May 17	110	851
Skin, hair, and nails. Preparations for beautifying and softening the	E. H. Lockhart	42,038	Feb. 9	108	1582
Skirts for women	Wearwell Skirt Co.	42,433	Apr. 19	109	2163
Skirts. Women's outer or walking	Rock Island Skirt Company	43,159	Aug. 16	111	1926
Sleds	S. L. Allen	42,092	Feb. 16	108	1866
Sleeping-draft	S. L. Allen & Co.	42,650	May 17	110	854
Slicers and kraut-cutters. Vegetable	M. A. Quee	42,418	Apr. 19	109	2162
Slippers	E. C. Atkins & Company	43,070	July 26	111	1032
Sliver, raw, and dyed yarns	Capital Knitting Co.	42,879	June 28	110	2501
	Norddeutsche Wollkammerei und Kammgarnspinnerei	43,869	Dec. 20	113	2205
Snap-fasteners	United States Fastener Company	42,815	June 14	110	2009
Snap-fasteners	United States Fastener Company	43,730	Nov. 22	113	1137
Snap-fasteners	United States Fastener Company	43,731	Nov. 22	113	1137
Soap	United States Fastener Company	43,731	Nov. 22	113	1137
Soap	Puck Manufacturing Company	41,837	Jan. 5	108	284
Soap	F. O. Ives	41,839	Jan. 19	108	790
Soap	F. O. Gustafson	42,835	June 21	110	2226
Soap	Puro Manufacturing Company	42,836	June 21	110	2227
Soap. Dog and toilet.	Langman & Kemp	43,179	Aug. 16	111	1928
Soap. Laundry	Langman & Kemp	43,179	Aug. 16	111	1928
Soap. Laundry	Henry Roeper Company	43,444	Oct. 4	112	1206
Soap. Perfumed	National Soap Corporation	43,560	Oct. 18	112	1742
Soap. Perfumed	Reiss & Brady	43,653	Nov. 8	113	541
Soap. Scouring	J. P. Cartwright	43,044	July 19	111	802
Soap. Shaving	F. P. Garrettson & Co.	41,838	Jan. 5	108	284
Soap. Toilet	Leonor Surver and Chemical Co.	42,477	Apr. 26	109	2134
Soap. Toilet	N. K. Fairbank Company	43,806	Dec. 6	113	1698
Soap. Toilet	L. T. Piver & Cie	43,668	Nov. 8	113	543
Soap. Toilet	L. T. Piver & Cie	43,686	Nov. 8	113	544
Soap. Toilet	F. C. Bargar	41,591	Mar. 8	109	544
Soaps	Standard Soap Company	42,211	June 7	110	1717
Soaps	M. Megaro	42,763	June 7	110	1717
Soaps	F. M. Coulter	41,836	Jan. 5	108	284
Soaps	Colgate & Co.	42,375	Apr. 12	109	1881
Soaps	F. G. Burke	43,756	Nov. 29	113	1410
Soaps	Raymond Chemical Co.	41,990	Feb. 2	108	1322
Soaps	North America Soap Co.	43,010	July 12	111	575
Soaps	Obermeyer & Co., G. M. B. H.	43,413	Sept. 27	112	949
Soaps and soap powders. Toilet and laundry	Lever Brothers Company	43,113	Aug. 2	111	1359
Soaps and soap powders. Toilet and laundry	Lever Brothers Company	43,114	Aug. 2	111	1359
Soaps. Certain named	Vinolia Co.	42,376	Apr. 12	109	1881
Soaps in liquid and solid form. Toilet	A. Wolf, Jr.	43,379	Sept. 20	112	721
Soaps. Toilet and shampoo.	G. A. Schmidt	42,620	May 17	110	852
Soaps and stockings	Wesson Company	43,309	Sept. 6	112	245
	Milford Hosiery Co.	42,756	June 7	110	1716

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Soda. Baking.....	Morehouse Manufacturing Co.....	42,711	May 31	110	1490
Soda. Bicarbonate of.....	J. C. Grant Chemical Co.....	43,378	Sept. 20	112	721
Soda-water fountains.....	L. A. Becker Company.....	42,944	Apr. 5	109	1602
Soda-water fountains.....	L. A. Becker Company.....	42,945	Apr. 5	109	1602
Soda-water fountains.....	W. G. Cronkright.....	43,102	Aug. 2	111	1358
Sodium silicate.....	Grasselli Chemical Company.....	42,139	Feb. 23	108	2139
Soldering flux.....	O. J. Lanigan.....	43,209	Aug. 16	111	1981
Soot-destroyers. Composition.....	Gourmet & Co.....	42,087	Feb. 16	108	1865
Soporific.....	F. Hoffmann-La Roche & Co.....	43,594	Oct. 25	112	2087
Soporifics.....	Kalle & Co.....	43,656	Nov. 8	113	541
Sorghum.....	Fort Scott Sugar & Sorghum Syrup Co.....	42,841	June 21	110	2227
Sound receiving and reproducing machines, parts thereof, and accessories for same.....	International Talking Machine Co.....	41,875	Jan. 12	108	555
Soup-making. Concentrated meat and vegetable preparation for.....	Marmite Food Extract Coy.....	41,950	Jan. 26	108	1045
Specific for female complaints. Liquid.....	G. Mortimer.....	42,217	Mar. 8	109	545
Specific for the cure of boils.....	E. F. Bacon.....	42,768	June 7	110	1717
Spool-cotton, thread, and sewing-cotton.....	American Thread Company.....	41,935	Jan. 26	108	1043
Stackers for threshing-machines. Wind.....	Maplebay Wind Stacker Company.....	43,402	Sept. 20	112	724
Stamps, labels, and tags. Adhesive.....	B. F. Schwarzer & Sons.....	42,341	July 5	111	1894
Stamps. Premium.....	Sperry and Hutchinson Company.....	43,488	Apr. 26	109	2434
Stamps. Premium.....	Sperry and Hutchinson Company.....	43,488	Oct. 11	112	1471
Stamps. Trading.....	J. B. Morgan.....	42,013	Feb. 9	108	1579
Stamps. Trading.....	Crown Stamp Company.....	42,527	May 3	110	298
Stamps. Trading.....	East End Merchants Trading Stamp Association.....	43,296	Sept. 6	112	244
Starch and starch products. Certain named.....	California Wheat Starch Factory.....	43,652	Nov. 8	113	541
Starch. Laundry.....	Reckitt & Sons.....	43,821	Dec. 6	113	1700
Starch. Laundry.....	Reckitt & Sons.....	43,822	Dec. 6	113	1700
Steam-engines.....	English Iron Works Company.....	42,604	May 10	110	596
Steel and tools made therefrom. Speed cutting.....	William Jessop & Sons.....	43,233	Aug. 23	111	2314
Steel and tools made therefrom. Speed cutting.....	J. J. Saville & Company.....	43,235	Aug. 23	111	2315
Steel. Bar, sheet, or forged.....	P. F. Hogan.....	42,156	Feb. 23	108	2140
Steel. High-speed cutting-tool.....	C. E. Manby.....	43,342	Sept. 13	112	494
Steel in bars and sheets.....	Hammacher, Dellus & Co.....	42,002	Feb. 2	108	1924
Steel in certain named forms.....	William Jessop & Sons.....	43,233	Aug. 23	111	2315
Stogies.....	Pittsburg Stogie & Tobacco Co.....	43,047	July 19	111	802
Stogies.....	Clarksburg Stogie Co.....	43,676	Nov. 8	113	543
Stogies.....	Clarksburg Stogie Co.....	43,677	Nov. 8	113	543
Stogies.....	Clarksburg Stogie Co.....	43,721	Nov. 15	113	844
Stogies or tobies.....	S. Ewart & Co.....	42,719	May 21	110	1421
Stone-channels.....	Ingersoll-Sergeant Drill Co.....	42,287	Mar. 22	109	1064
Stones. Artificial.....	J. H. Loewenhart.....	41,964	Jan. 26	108	7046
Stoves and leather. Polishing compositions for coating.....	Allshine Manufacturing Co.....	42,857	June 21	110	2229
Stoves and their parts.....	Shuster & Baer Aktiengesellschaft.....	42,280	Mar. 22	109	1064
Stoves. Oil and gas.....	Silver & Co.....	42,966	July 5	111	286
Stoves or ranges, furnaces, and parts thereof. Heating and cooking.....	Sill Stove Works.....	41,843	Jan. 5	108	284
Straw and chip braids. Dyed and bleached.....	R. H. Comey Company.....	43,108	Aug. 2	111	1358
Succedaneum for atropia.....	S. Siegel.....	42,961	July 5	111	296
Sugar and syrup. Maple.....	Tarbenfabriken of Elberfeld Co.....	42,141	Feb. 23	108	2139
Sugar and syrup. Maple.....	H. J. Blodgett Company.....	43,923	Dec. 27	113	2496
Sugar and syrup. Maple.....	H. J. Blodgett Company.....	43,924	Dec. 27	113	2496
Sugar, syrup, and molasses.....	Gover Alliance Refining Company.....	43,823	Dec. 6	113	1700
Suits and overgarments. Boys' and children's.....	Alsberg, Moritz & Co.....	43,461	Oct. 11	112	1469
Suits for boys.....	Siegel Cooper Company.....	42,390	Apr. 19	109	2159
Suits, overalls, and shirts. Workmen's.....	W. P. Cleaver.....	43,433	Oct. 4	112	1205
Suprarenal gland. Product of the active principle of the.....	H. K. Mulford Co.....	41,916	Jan. 19	108	791
Surzeon's lamp.....	B. S. and F. Company.....	42,776	June 7	110	1718
Surgical dressings.....	E. I. Wiener.....	43,328	Aug. 23	111	2214
Surgical instruments. Metallic.....	Kny-Scheerer Co.....	41,307	Jan. 19	108	780
Suspenders.....	Consolidated Manhattan Suspend-er Co.....	41,911	Jan. 19	108	791
Suspenders.....	Webcraft Co.....	42,065	Feb. 16	108	1863
Suspenders. Men's.....	L. Oppenheimer's Sons.....	42,158	Mar. 1	109	269
Sweaters.....	B. F. Browne.....	43,354	Oct. 8	112	1742
Syringes.....	Frederick Stearns & Co.....	42,018	Feb. 9	108	1580
Syrup for coughs, colds, and in grippa.....	Harts Medicine Co.....	42,036	Feb. 9	108	1582
Syrup, molasses, and sorghum.....	New Orleans Coffee Co.....	43,197	Aug. 16	111	1980
Syrup, molasses, and sorghum.....	New Orleans Coffee Co.....	43,198	Aug. 16	111	1980
Syrup of guaiacol.....	Davis Pharmaceutical Company.....	43,419	Apr. 19	109	2162
Syrups made from cane-sugar. Table.....	Stroneyer & Metzel.....	42,585	May 10	110	594
Syrups, molasses, and sorghum.....	New Orleans Coffee Co.....	43,111	Aug. 2	111	1339
Syrups, molasses, and sorghum.....	New Orleans Coffee Co.....	43,112	Aug. 2	111	1350
Syrups. Saccharine.....	New Orleans Coffee Co.....	43,112	Aug. 2	111	1350
Table and stand covers, towels, napkins, and doilies.....	Wogan Bros.....	43,749	Nov. 22	113	1189
Table-padding.....	Richardson Roberts Dry Goods Co.....	43,255	Mar. 1	110	298
Tables and appliances for playing certain named games.....	Knickerbocker Company.....	42,251	Mar. 15	109	801
Tableware. Flat and hollow.....	Wm. A. Rogers, Limited.....	43,212	Aug. 16	111	1982
Talking-machines.....	Victor Talking Machine Co.....	42,963	July 5	111	296
Talking-machines and parts thereof and records therefor.....	Mernod Freres.....	42,601	Oct. 1	110	586
Talking-machines, parts, and records.....	Victor Talking Machine Co.....	43,259	Aug. 30	111	2485
Talking-machines, parts and supplies therefor, and records.....	Victor Talking Machine Co.....	42,220	Mar. 8	109	545
Talking-machines, parts and supplies therefor, and records.....	Universal Talking Machine Manu-facturing Co.....	42,502	Apr. 26	109	2436
Tanning extract.....	Stamford Mfg. Co.....	43,508	Oct. 11	112	1473
Tea.....	T. Martindale & Co.....	41,973	Feb. 2	108	1320
Tea.....	Liverpool China & India Tea Com-pany.....	41,974	Feb. 2	108	1321
Tea.....	C. A. S. Jessop.....	42,120	Feb. 23	108	2137
Tea.....	Dolan Mercantile Company.....	42,339	Mar. 30	109	1392
Tea.....	Smith Bros. Co.....	42,839	June 21	110	2227
Tea.....	M. Gillet & Co.....	43,353	Sept. 13	112	495
Tea.....	M. Gillet & Co.....	43,354	Sept. 13	112	495
Tea.....	H. S. Wellcome.....	43,568	Oct. 18	112	1743

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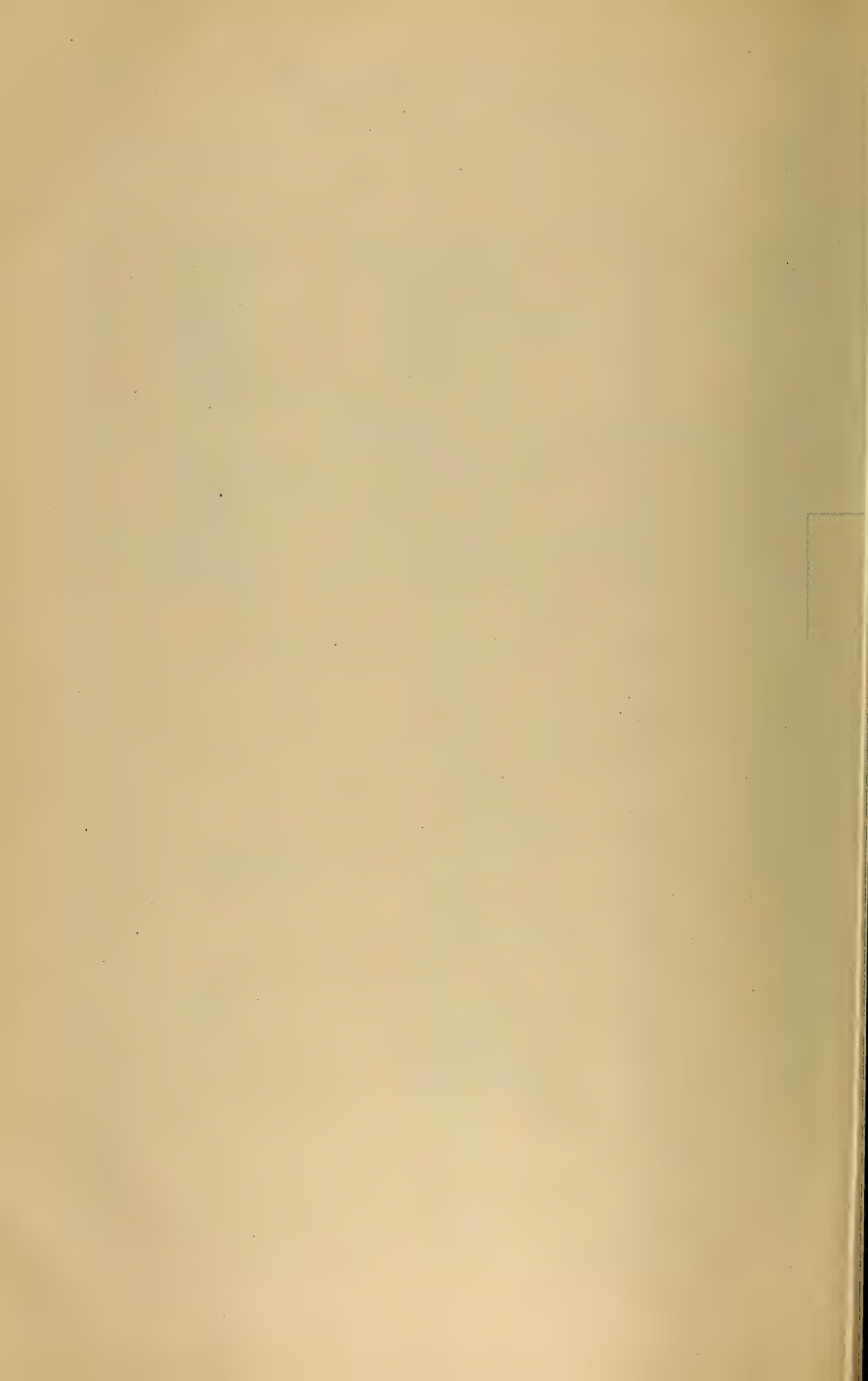
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Tea.....	Berry Dodge & Co.....	43,734	Nov. 22	113	1188
Tea.....	Berry Dodge & Co.....	43,735	Nov. 22	113	1188
Tea.....	H. C. Beckett.....	43,770	Nov. 29	113	1410
Teas.....	Blue Ribbon Tea Co.....	43,807	Dec. 6	113	1608
Teeth. Porcelain.....	Booklovers Library.....	41,564	Jan. 12	108	554
Teeth. Porcelain.....	Dentists' Supply Company.....	42,060	Feb. 16	108	1862
Telephone-apparatus.....	Standard Dental Mfg. Co.....	43,262	Aug. 30	111	2486
Textile fabrics. Certain named woven.....	Controller Company of America.....	42,925	June 28	110	2506
Textile goods. Certain named.....	Ericsson Telephone Co.....	43,933	Dec. 27	113	2497
Textile goods. Certain named.....	A. P. & E. L. Eagleston.....	43,457	Oct. 4	112	1205
Therapeutic agents. Certain named.....	Bradford Dyers' Association.....	43,601	Oct. 25	112	2088
Thread. Cotton.....	Bradford Dyers' Association.....	43,862	Dec. 20	113	2204
Thread. Sewing.....	Chemische Fabrik auf Actien (vorm. E. Schering).....	43,419	Sept. 27	112	950
Thread. Sewing.....	Clark Mile-End Spool Cotton Co.....	42,197	Mar. 8	109	543
Threshers and hullers. Pea and bean.....	Jonas Brook & Bros.....	42,162	Mar. 1	109	270
Tires for vehicles. Rubber.....	William Paton, Limited.....	43,051	July 26	111	1030
Tires for vehicles. Rubber.....	J. M. Brasington.....	42,818	June 14	110	3009
Tires for vehicles. Rubber.....	J. M. MacLulich.....	42,680	May 24	110	1162
Tires. Rubber.....	G & J Tire Company.....	43,193	Aug. 2	111	1358
Tobacco adapted either for smoking or chewing.....	Hartford Rubber Works Company.....	43,459	Oct. 4	112	1208
Tobacco and cigarettes made from such tobacco. Smoking.....	Jewell Belting Co.....	43,741	Nov. 22	113	1138
Tobacco and cigarettes made therefrom. Smoking.....	J. F. Zahn Tobacco Co.....	43,877	Dec. 20	113	2206
Tobacco and cigarettes. Smoking.....	Carveras.....	43,168	Aug. 16	111	1285
Tobacco and cigarettes. Smoking.....	Carveras, Limited.....	43,130	Oct. 12	112	1739
Tobacco and cigarettes. Smoking.....	J. & F. Bell, Ltd.....	42,438	Apr. 19	109	2163
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,312	Sept. 6	112	245
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,313	Sept. 6	112	245
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,314	Sept. 6	112	245
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,315	Sept. 6	112	245
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,316	Sept. 6	112	245
Tobacco and cigarettes. Smoking.....	Gallaher Limited.....	43,317	Sept. 6	112	246
Tobacco and cigarettes. Smoking.....	Martin Bros.....	43,476	Oct. 11	112	1470
Tobacco. Chewing.....	Victor Talking Machine Co.....	43,878	Dec. 20	113	2206
Tobacco. Chewing.....	B. Payn's Son's Tobacco Co.....	42,536	May 3	110	299
Tobacco. Chewing.....	B. Payn's Son's Tobacco Co.....	42,668	May 24	110	1160
Tobacco. Chewing.....	Gilbert Son & Co.....	43,612	Nov. 1	113	273
Tobacco. Chewing.....	Gilbert Son & Co.....	43,633	Nov. 1	113	275
Tobacco. Chewing.....	B. Payn's Son's Tobacco Co.....	43,773	Nov. 29	113	1410
Tobacco. Chewing.....	B. Payn's Son's Tobacco Co.....	43,774	Nov. 29	113	1410
Tobacco. Chewing.....	Gilbert, Son & Co.....	43,806	Dec. 6	113	1698
Tobacco. Plug and cut-plug chewing.....	W. A. Brown Tobacco Company.....	42,074	Feb. 16	108	1864
Tobacco-pouches.....	Adolph Frankau & Company.....	43,501	Oct. 11	112	1473
Tobacco. Smoking.....	Wells-Whitehead Tobacco Co.....	42,399	Apr. 19	109	2160
Toilet preparations. Certain named.....	West Coast Grocery Company.....	43,271	Sept. 6	112	242
Toilet preparations. Certain named.....	C. W. Heineken.....	42,328	Apr. 5	109	1601
Toilet preparations. Certain named.....	R. G. Kirsch.....	42,071	Feb. 16	108	1863
Toilet preparations. Certain named.....	Vinolia Co.....	43,281	Sept. 6	112	242
Toilet preparations. Certain named.....	Sea Breeze Chemical Co.....	43,399	Sept. 20	112	723
Toilet preparations. Certain named.....	H. K. Wampole & Co.....	43,616	Nov. 1	113	273
Toilet preparations. Certain named.....	L. T. Piver & Cie.....	43,669	Nov. 8	113	543
Toilet preparations. Certain named.....	L. T. Piver & Cie.....	43,670	Nov. 8	113	543
Toilet preparations. Certain named.....	Jacobs' Pharmacy Co.....	43,854	Dec. 13	113	1964
Toilet preparations. Certain named.....	W. W. Westgate.....	43,948	Dec. 27	113	2199
Tonic.....	Mount Eryx Co.....	42,579	May 10	110	594
Tonic.....	F. Hoffmann-La Roche & Co.....	43,513	Oct. 11	112	1473
Tonic.....	F. Hoffmann-La Roche & Co.....	43,564	Oct. 18	112	1743
Tonic and remedy for indigestion, in tablet form. Stomach.....	P. L. Abbey.....	43,629	Nov. 1	113	275
Tonic beverage.....	Teapoh Company.....	43,025	July 19	111	800
Tonic. Eye.....	S. Lettman.....	43,699	Nov. 15	113	842
Tonic for certain named diseases.....	D. Bain.....	42,772	June 7	110	1718
Tonic. General.....	Claro Chemical Co.....	42,952	July 5	111	295
Tonic. Nerve and stomach.....	J. B. Wells.....	41,914	Jan. 19	108	791
Tonic or remedy for fever and ague.....	Estorse Drug Co.....	42,827	Apr. 5	109	1660
Tonics and bitters.....	Fairchild Bros. & Foster.....	41,819	Jan. 5	108	282
Tonics and blood-purifiers.....	D. O. Scott.....	43,477	Oct. 11	112	1471
Tonics and reconstitutives.....	Fairchild Bros. & Foster.....	42,628	May 17	110	850
Tonics. Digestive.....	Eclipse Pharmaceutical Company.....	42,662	May 24	110	1162
Tonics for the cure of certain named diseases.....	L. Mailelo.....	42,351	July 5	111	295
Tonics. Pneumatic.....	Ingersoll-Sergeant Drill Co.....	43,107	Dec. 2	111	1358
Tooth-filling and manufacturing of artificial teeth. Preparations for.....	Klewe & Co.....	43,260	Aug. 23	111	2214
Tooth-paste, tooth-powder, and liquid mouth-wash.....	J. S. Roberts.....	42,268	Mar. 22	109	1062
Tooth-wash and tooth-powder.....	R. Deutschberger.....	42,573	July 12	110	1881
Tops.....	M. Walstein.....	42,330	May 3	110	299
Towels, table-cloths, and covers, singly and in the piece.....	H. W. A. Page.....	42,993	July 5	111	293
Toy explosives, devices, and ammunition therefor. Certain named.....	Lloyd, Adams & Simpson.....	42,868	June 21	110	2290
Toy furniture.....	Rodemann & Dorn.....	42,357	Apr. 12	109	1879
Toy puzzles.....	O. Kraus.....	42,960	July 5	111	295
Toy wagons.....	Standard Manufacturing Company.....	43,034	July 19	111	801
Toys.....	A. Schoenhut Company.....	42,913	June 28	110	2505
Toys.....	E. P. Lehmann.....	43,579	Oct. 25	112	2086
Trees, plants, shrubbery, and the like.....	Phoenix Nursery Co.....	43,955	Dec. 27	113	2540
Trimmings and hardware for carriage-tops.....	Thomsen Chemical Company.....	42,192	Aug. 16	111	1930
Trousers. Devices for securing drawers to.....	Crandall Stone & Co.....	42,518	Apr. 26	109	2438
Trunks.....	Catch On Clasp Mfg. Co.....	43,432	Oct. 4	112	1205
Trunks.....	J. F. Parkhurst & Son Co.....	43,575	Oct. 18	112	1744
Trusses.....	P. Steiger.....	43,934	Dec. 27	113	2497
Turpentine substitute.....	L. N. Pease.....	42,571	May 10	110	592
Twine for binding grain.....	Fiske Brothers Refining Co.....	43,480	Oct. 11	112	1471
Twine, rope, and cord.....	P. E. Cooper.....	42,556	May 3	110	302
Type.....	Argonaut Cotton Mill Co.....	42,945	July 5	111	284
Type, ornaments, borders, and rules. Printing.....	Barnhart Brothers & Spindler.....	43,391	Sept. 20	111	232
	American Type Founders Company.....	43,035	July 19	111	801

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Type-writing machines	L. C. Smith & Bros. Typewriter Company.	41,998	Feb. 2	108	1333
Type-writing machines	Monarch Typewriter Company.	43,481	Oct. 11	112	1471
Undershirts	Rubens & Marble	42,798	June 14	110	2007
Undershirts or undervests. Infants'	M. Lowenthal & Brother	42,914	June 28	110	2505
Underskirts	Jackson Skirt & Novelty Co.	42,932	July 5	111	293
Underwaists. Children's	H. & W. Company	42,223	Mar. 15	109	799
Underwear. Certain named	Conrad & Friedemann	42,315	Apr. 5	109	1399
Underwear. Certain named	Cooper Manufacturing Co.	43,076	Aug. 2	111	1355
Underwear. Certain named	Natick Underwear Company	43,865	Dec. 20	113	2205
Upholstery textile fabrics	Philadelphia Tapestry Mills.	43,022	July 19	111	799
Uric-acid solvent for certain named diseases	Dr. Haskins Company	42,133	Feb. 28	108	2198
Valves	Crane and Backus	43,794	Nov. 29	113	1412
Valves and swing-joints	L. Schutte	42,346	Apr. 5	109	1602
Valves, cocks, faucets, and nozzles	Peck Bros. Co.	42,738	May 31	110	1423
Varnish	Benjamin Moore & Company	42,619	May 17	110	832
Varnish and paint remover	Glidden Varnish Co.	42,859	June 21	110	2229
Varnish. Spirit	F. A. Crandall.	42,781	June 7	110	1719
Varnish. Spirit	Berry Brothers	42,045	Feb. 9	108	1583
Varnish. Spirit	Berry Brothers	42,084	Feb. 16	108	1865
Varnishes. Color	Berry Brothers	42,085	Feb. 16	108	1865
Vehicles and parts thereof. Certain named horseless	F. O. Pierce Co.	43,783	Nov. 29	113	1412
Vehicles. Certain named mechanically-propelled	Fahrzeugfabrik Eisenach	42,562	May 3	110	302
Vehicles for pleasure use. Light road	Pope Manufacturing Company	43,195	Aug. 16	111	1390
Velvets and plushes	Premier Manufacturing Company	42,931	June 28	110	2506
Ventilators	W. Openhym & Sons	42,611	May 17	110	831
Vessels and utensils. Metallic containing	P. Evans	43,850	Dec. 13	113	1963
Veterinary liniment	M. S. Gray	43,547	Oct. 11	112	1471
Veterinary medicines. Certain named	H. McWhinnie.	43,845	Dec. 13	113	1963
Veterinary ointments and remedies	S. M. Fisk	42,294	Mar. 29	109	1331
Veterinary remedies	Winship Chemical Co.	43,028	July 19	111	800
Veterinary remedies	T. J. McDevitt.	43,506	Oct. 11	112	1473
Viols and their parts	L. K. Fisher	43,886	Aug. 12	110	1881
Vises. Bench	Buegeleisen & Jacobson	43,572	Oct. 18	112	1744
Vitreous material. Slabs or plates of	Prentiss Vise Co.	43,852	Dec. 13	113	1963
Vitreous material. Slabs or plates of	Pressed Prism Plate Glass Company.	43,457	Oct. 4	112	1208
Vitreous material. Slabs or plates of	Pressed Prism Plate Glass Company.	43,458	Oct. 4	112	1208
Waists, dresses, skirts, and wraps. Ladies'	Queen Manufacturing Co.	42,099	Feb. 23	108	2134
Waists, petticoats, and skirts. Women's	Burton Bros. & Co.	43,177	Aug. 16	111	1928
Wall and ceiling coverings or decorations. Composition re-	Embossed Wall Covering Co.	42,734	May 31	110	1423
Ware made of nickel. Culinary	S. Sternau & Co.	43,519	Oct. 11	112	1474
Washboards	B. S. Jenkins	42,645	May 17	110	854
Washing compound	F. Harrison	42,104	Feb. 23	108	2135
Washing fluid	Washaway Manufacturing Co.	42,212	Mar. 8	109	544
Washing fluid	J. E. Fisher	43,060	July 26	111	1031
Washing fluids	L. Bloomer	43,886	June 28	110	2502
Washing-machines	Wahle Foundry and Machine Works	43,154	Aug. 9	111	1620
Washing-machines. Steam	Schornstein - Aufsatz- und Blech-	42,054	Feb. 9	108	1584
Washing-powder	warenfabrik J. A. John, Aktien-				
Washing-powder	Gesellschaft.	42,922	June 28	110	2506
Watch-movements	W. K. Bellis	43,585	Oct. 25	112	2086
Watches	Acme Washing Powder Co.	43,585	Oct. 25	112	2086
Watches	B. L. Strasburger & Co.	43,346	Sept. 13	112	494
Watches, clocks, and parts thereof	Elgin National Watch Company	42,014	Feb. 9	108	1580
Watches, watchcases, and watch-movements	C. F. York	43,048	July 26	111	1030
Watchcases, watch-movements, and dials thereof	Carlowitz & Co.	43,786	Nov. 29	113	1412
Water-coolers. Certain named	Philadelphia Watch Case Co.	43,909	Dec. 27	113	2495
Water. Drinking	Societe Anonyme Louis Brandt & Freres.	43,708	Nov. 15	113	843
Water for table use. Spring	Consumers Co.	42,869	June 21	110	2230
Water-meters	F. L. Schnadt	43,595	Oct. 18	112	1740
Water. Purified	T. R. Dewar	41,862	Jan. 12	108	354
Water. Spring	Builders Iron Foundry	42,646	May 17	110	854
Waterproof and weatherproof compositions and roofing	Standard Water Purifying Co.	41,892	Jan. 19	108	789
material treated therewith	Valley Forge Good-Fyr Springs	42,545	May 3	110	300
Waterproof dress fabrics	Company.				
Waterproof outer garments	Paraffine Paint Co.	43,401	Sept. 20	112	724
Waterproof outer garments. Certain named	S. D. French & Co.	43,830	Dec. 13	113	1961
Waterproof textile fabrics	Aquascutum Limited	42,796	June 14	110	2007
Waterproof textile fabrics	M. Lindsay Rubber Company.	43,761	Nov. 29	113	1409
Wearers. Calf	Hirsh Brothers	42,876	June 28	110	2502
Weights	Duncan & Stenz	43,801	Dec. 20	113	2204
Welding compound. Chemical	Barbee Wire & Iron Works	42,382	Mar. 22	109	1064
Welding compounds	Alta Tool Company	43,013	July 12	111	576
Welding compounds to be used in welding iron, steel, &c.	Cortland Welding Compound Co.	42,340	Apr. 5	109	1602
Whips. Plaited or braid-covered	Welding Compound Company	42,068	Feb. 16	108	1865
Whiskies	Perfection Welding Compound Co.	42,046	Feb. 9	108	1583
Whiskies	Sterling Whip Co.	42,639	May 17	110	853
Whiskies	Chapin and Gore	42,627	May 17	110	852
Whisky	J. Daniel	42,663	May 24	110	1160
Whisky	J. Daniel	42,664	May 24	110	1160
Whisky	S. Westheimer	41,821	Jan. 5	108	282
Whisky	J. H. Brown	41,971	Feb. 2	108	1320
Whisky	Strauss & Co.	42,070	Feb. 16	108	1864
Whisky	Geo. Ballantine & Son	43,176	Mar. 1	108	271
Whisky	Hiram Walker & Sons	42,385	Apr. 12	109	1882
Whisky	Belmont Distillery Co.	42,401	Apr. 19	109	2160
Whisky	E. J. Cantin	42,538	May 3	110	300
Whisky	G. McPherson & Co.	43,540	May 3	110	300
Whisky	G. Cohn	42,635	May 17	110	852
Whisky	E. J. Cantin	42,605	May 24	110	1160
Whisky	Acker, Merrill & Condit Company.	42,718	May 31	110	1421

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Whisky.....	E. J. Cantin.....	42,774	June 7	110	1718
Whisky.....	W. A. Gaines & Company.....	42,919	June 28	110	2505
Whisky.....	Edgewood Distilling Company.....	43,140	Aug. 9	111	1619
Whisky.....	J. W. Bashford.....	43,311	Sept. 6	112	245
Whisky.....	W. A. Gaines & Company.....	43,336	Sept. 13	112	495
Whisky.....	Geo. Benz & Sons.....	43,397	Sept. 20	112	723
Whisky.....	James Saunders & Co.....	43,513	Oct. 11	112	1474
Whisky. Rye.....	J. L. Kennedy.....	43,899	June 28	110	2502
Whisky. Scotch.....	P. Dawson.....	42,277	Mar. 22	109	1063
Wine.....	F. Chauvenet.....	41,945	Jan. 26	108	1044
Wine.....	F. Chauvenet.....	42,023	Feb. 9	108	1581
Wine.....	F. Chauvenet.....	42,029	Feb. 9	108	1581
Wine. Port.....	E. J. Cantin.....	42,543	May 3	110	300
Wine. Sherry.....	E. J. Cantin.....	42,544	May 3	110	300
Wines. Bottled.....	H. Falcon.....	43,472	Oct. 11	112	1470
Wire.....	John A. Roebling's Sons Co.....	41,844	Jan. 5	108	284
Wire rope.....	Durable Wire Rope Co.....	42,864	June 21	110	2230
Wire-rope clips.....	A. Leschen & Sons Rope Company.....	43,573	Oct. 18	112	1744
Wire. Steel.....	American Felt Company.....	43,343	Sept. 13	112	494
Witch-hazel or hamamelis. Extract of.....	Lauman & Kemp.....	42,170	Mar. 1	109	270
Wood-dust and a cementing element. Composition of.....	H. Gallinowsky.....	41,993	Feb. 2	108	1320
Wood-preservative.....	International Creosoting & Construction Co.....	43,931	Dec. 27	113	2497
Wood-preservative liquid.....	R. Avenarius & Co.....	42,937	July 5	111	235
Woolen piece goods.....	F. Almy.....	41,803	Jan. 5	108	281
Woolen piece goods.....	Crosby Mfg. Co.....	42,004	Feb. 9	108	1579
Woolen piece goods.....	A. D. Ellis.....	43,734	Nov. 22	113	1137
Wrappers and dressing-sacks. Ladies'.....	Stiles-Freas-Smith Company.....	43,332	Sept. 13	112	493
Yarns for embroidering, knitting, and crocheting purposes.....	Brown, Durrell & Co.....	41,934	Jan. 26	108	1043
Yarns for embroidering, knitting, and crocheting purposes. Mercerized cotton.....	Dexter Yarn Co.....	43,868	Dec. 20	113	2205
Yeast.....	New Process Yeast Co.....	41,949	Jan. 26	108	1045
Yeast.....	J. L. Rodney.....	42,382	Apr. 12	109	1882
Yeast.....	H. Zink & Co.....	42,762	June 7	110	1716
Yeast.....	J. H. Marquardt.....	43,057	July 26	111	1031



ALPHABETICAL LIST OF LABELS.

Title.	Name.	No.	Date.	Official Gazette.	
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"A La Casserole, Tripes a La Mode De Caen, L. Bouchot." (For Canned Tripe.)	L. Bouchot	11,097	May 24	110	1165
"A. G. Martini Cognac." (For Brandies)	A. Grunbaum	11,732	Dec. 27	113	2501
"A. J. Bargahiser's Chick-Hen Powder." (For Powder for Poultry.)	A. J. Bargahiser	11,039	May 3	110	303
"Absorbent Linen Flax-Fleece." (For Absorbent Linen)	Norfolk Linen Company	11,322	Aug. 23	111	2217
"Absorbine." (For a Veterinary Medicine)	W. F. Young	10,986	Apr. 19	109	2167
"Acme Egg Preservative." (For Egg Preservatives)	J. E. Ulrich & Co	11,438	May 3	110	303
"After Dinner Gum Co.'s Pepsin Gum." (For Chewing-Gum.)	After Dinner Gum Company	11,261	July 19	111	803
"All Points." (For Cigars)	J. G. Hansen	11,436	Oct. 4	112	1209
"All Stone." (For Wall-Plaster)	Garden City Sand Company	10,913	Apr. 5	109	1603
"Algier Patent Button and Button Fastener." (For Buttons and Button-Fasteners.)	Grand Rapids Novelty Manufacturing Company	11,686	Dec. 13	113	1965
"Alma Mater." (For Beer)	McAvoy Brewing Co	11,210	July 5	111	297
"Alpha." (For Hosiery)	Pittsburgh Dry Goods Co.	11,122	June 7	110	1721
"Alta Vista." (For Wine)	Acker, Merrill & Condit	10,695	Jan. 26	108	1047
"American Beauties." (For Soap)	Liberty Soap Company	11,740	Dec. 27	113	2501
"American Blend Tea." (For Tea)	E. McCarty	11,106	May 31	110	1125
"American Brand Bleaching Fluid." (For Bleaching Fluid)	American Pickling Co.	11,063	May 17	110	855
"American Club Brandy." (For Cognac)	G. Sayer & Co	10,865	Mar. 22	109	1065
"American Club Ginger Ale." (For Ginger-Ale)	Gray Lithograph Co	11,440	Oct. 4	112	1209
"American Cranberry Bitters." (For Cranberry Bitters)	C. Le Duc	11,702	Dec. 20	113	2211
"American Glory Seven Oils." (For Medicinal Oils)	J. D. Drennon	10,659	Jan. 5	108	285
"American Kid." (For Cigars)	C. B. Henschel Mfg. Co	10,649	Jan. 5	108	285
"American Sire." (For Cigars)	O. L. Schwencke Lithographic Co.	11,496	Oct. 18	112	1745
"Ammonia Soap Powder." (For Soap Powder)	Ammonia Soap Powder Company	11,482	Oct. 11	112	1475
"Amsterdam Brand Corn." (For Corn)	United States Printing Co	11,229	July 5	111	297
"Amsterdam Brand Peaches." (For Peaches)	United States Printing Co	11,218	July 5	111	297
"Amsterdam Brand Pears." (For Pears)	United States Printing Co	11,217	July 5	111	297
"Amsterdam Brand Peas." (For Peas)	United States Printing Co	11,220	July 5	111	297
"Amsterdam Brand Tomatoes." (For Tomatoes)	United States Printing Company	11,162	June 21	110	2231
"Anchor Soldering Flux." (For Soldering Flux)	O. J. Lanigan	11,143	June 14	110	2011
"Andrew McLean Co. Mosquito Nets." (For Mosquito-Nets.)	A. McLean Co	11,013	May 3	110	303
"Anisette Muggia." (For Anisette)	U. Muggia	11,540	Nov. 1	113	277
"Anona." (For Cigars, Cigarettes, Tobacco, and Chewing-Gum)	M. Hyman Cigar and Importing Company	11,284	Aug. 2	111	1361
"Anti-Urine." (For Surgical Dressing)	C. L. Boyd	11,612	Nov. 22	113	1141
"Anti-Uric." (For Medicine)	Anti-Uric Co	10,890	Mar. 29	109	1333
"Anti Whalebone." (For Whips)	C. H. Clark	10,910	Apr. 5	109	1603
"Antiseptine." (For Antiseptic Preparations)	W. B. Shaw	11,416	Sept. 20	112	725
"Antiseptic Vaginals." (For Medicine)	Globe Medicine Company	11,078	May 24	110	1165
"Anzer Bräu." (For Beer)	Curran & Joyce Co	11,573	Nov. 15	113	845
"Apex." (For Flour)	Lexington Roller Mills Co	10,959	Apr. 12	109	1883
"Apex." (For Mantles)	Adams Incandescent Light Co.	11,757	Dec. 27	113	2501
"Aphrodine." (For Medicine)	East India Chemical Co	11,026	May 3	110	303
"Apollo." (For Cigars)	M. A. Cauley	11,678	Dec. 13	113	1965
"Arbest." (For Toilet-Paper)	Scott Paper Co	11,399	Sept. 20	112	725
"Archon." (For Cigars)	F. V. Eshleman	10,951	Apr. 12	109	1883
"Aromatic Ginger Ale." (For Ginger-Ale)	Schmeltzer Bros	11,286	Aug. 2	111	1361
"Arrow." (For Loaded Paper Shells)	Union Metallic Cartridge Co	11,371	Sept. 13	112	497
"Artee Genuine German Distilled Peppermint." (For Peppermint.)	Gold Spring Distilling Company	10,733	Feb. 9	108	1555
"Artgum." (For Cleaning-Eraser)	A. Sommer	11,726	Dec. 20	113	2211
"Artificial Vichy." (For Vichy)	C. H. Schultz	11,511	Oct. 25	112	2089
"Assad Bey Karam Rose." (For Perfumery)	C. Rahayel	11,459	Oct. 4	112	1209
"Athenaun Club." (For Whisky)	Padgett & White	11,093	May 24	110	1165
"Atlas." (For Flour)	Atlas Milling Co	11,531	Nov. 1	113	277
"Atlas Silver Polish." (For Silver-Polish)	Davidow Brothers	11,310	Aug. 16	111	1933
"Aunt Rhody's Liniment." (For Liniment)	M. B. Reynolds	10,776	Feb. 23	108	2141
"Autocrat Linen." (For Stationery)	White & Wyckoff Mfg. Co	11,340	Aug. 30	111	2487
"Automatic Druggist." (For Automatic Medicine-Chest)	J. C. Dow	11,154	June 14	110	2011
"Ayrshire Creamery." (For Butter)	H. C. Christians Co	11,672	Dec. 13	113	1965
"Aztec Pile Cure." (For Medicine)	Aztec Pile Cure Co	10,653	Jan. 5	108	285
"Bader's Foot-Relief." (For Foot-Relief)	H. F. Bader	10,745	Feb. 16	108	1867
"Bald Eagle." (For Axes and Edge-Tools)	Mann Edge Tool Co	10,797	Mar. 1	109	273
"Balm of Gilead." (For Ointment)	F. A. Williams	10,987	Apr. 19	109	2167
"Baltimore's Pride—Pure Rye." (For Whisky)	Peter Mueller Wine & Liquor Company	11,629	Nov. 29	113	1413
"Banner Phenyle." (For Phenyl)	Great Western Oil Co	11,192	June 28	110	2507
"Barton's Guaranteed Rheumatic Cure and Blood Purifier." (For Medicine)	J. E. Tully	11,450	Oct. 4	112	1209
"Batnette for Lawn or Parlor." (For a Game)	J. C. Tanty	11,617	Nov. 22	113	1141
"Batnette, The Newest Game." (For a Game)	J. C. Tanty	11,618	Nov. 22	113	1141
"Bean's Condition Powders for Horses and Cattle." (For Condition-Powders)	J. W. Bean	10,815	Mar. 8	109	547
"Beauty Lac." (For Varnish Stain)	C. H. Mueller	11,724	Dec. 20	113	2211
"Bee Hive Pepsin Gum." (For Pepsin Gum)	E. Hudson	11,213	July 5	111	297
"Beech-Nut Sliced Bacon." (For Sliced Bacon)	Beech-Nut Packing Company	10,908	Mar. 29	109	1333
"Beech-Nut Sliced Bacon." (For Sliced Bacon)	Beech-Nut Packing Company	11,744	Dec. 27	113	2501
"Beech-Nut Sliced Beef." (For Sliced Beef)	Beech-Nut Packing Company	10,907	Mar. 29	109	1333

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"Beech-Nut Sliced Beef." (For Sliced Beef)	Beech-Nut Packing Company	11,745	Dec. 27	113	2501
"Bellatana." (For Cigars)	A. C. Henschel & Co.	11,516	Oct. 25	112	2089
"Ben Hur." (For Baking-Powder)	National Grocery and Jobbers Supply Co.	11,212	July 5	111	297
"Ben Hur." (For Soap)	Cape City Soap Works	11,615	Nov. 22	113	1141
"Bendsey." (For Shoes)	W. Hahn	11,501	Oct. 18	112	1745
"Ben's Golden Ale" (For Ale)	E. B. Bartlett	11,441	Oct. 4	112	1209
"Ben's Strengthening Porter." (For Porter)	E. B. Bartlett	11,442	Oct. 4	112	1209
"Berkshire Tone." (For Beverages)	C. W. Platt	11,155	June 21	110	2231
"Best Camel Hair Artists' Brushes." (For Artists' Brushes)	United Brush Manufactories	11,173	June 21	110	2231
"Best of All." (For Flavoring Extracts)	W. A. Rida	11,088	May 24	110	1165
"Bestuval Ginger Ale" (For Ginger-Ale)	S. A. Ludin & Co.	11,347	Aug. 30	111	2457
"Bestuval Lemon Soda." (For Lemon-Soda)	S. A. Ludin & Co.	11,349	Aug. 30	111	2457
"Bestuval Sarsaparilla." (For Sarsaparilla)	S. A. Ludin & Co.	11,348	Aug. 30	111	2457
"Big A. Cure." (For Medicine)	W. J. Guy	1,498	Oct. 18	112	1745
"Big Cape." (For Soap)	Cape City Soap Works	11,616	Nov. 22	113	1141
"Black and Tan Cigars." (For Cigars)	W. C. Lacey, Jr.	11,464	Oct. 11	112	1475
"Black and White." (For Bourbon Whisky)	Curran & Joyce Co.	11,734	Dec. 27	113	2501
"Black and White." (For Rye Whisky)	Curran & Joyce Co.	11,735	Dec. 27	113	2501
"Bloodzone." (For Medicine)	East India Chemical Co.	11,021	May 3	110	303
"Blue-Nap." (For Soap)	Henry Roever Company	11,123	June 7	110	1721
"Blue Mountain Brand Tomatoes." (For Tomatoes)	United States Printing Co.	11,223	July 5	111	297
"Blue Ribbon." (For Baked Beans)	F. J. Bevan	11,336	Sept. 20	112	1725
"Bluemont Whiskey." (For Whisky)	E. Quim	10,801	Mar. 8	109	547
"Bohemian." (For Lager-Beer)	Iroquois Brewing Company	10,923	Apr. 5	109	1603
"Boise Natural Mineral Water." (For Mineral Water)	B. H. Coleman	10,690	Jan. 26	108	1047
"Bonaset and Wild Cherry Expectorant." (For Medicine)	R. Burkhardt	10,783	Mar. 1	109	273
"Bouquet Imperial au Fleur Parfum de L'Amour Imperial." (For Cologne)	C. Rahalay	11,236	July 5	111	297
"Dourbon Hog Cholera Remedy." (For Remedy for Diseases of Hogs.)	Bourbon Remedy Co.	11,563	Nov. 8	113	545
"Drace-Up in Ten Minutes." (For Medicine)	C. E. Fitch	11,453	Oct. 4	112	1209
"Promo Ferrum Compound." (For Medicine)	Thomas & Gilmore	11,641	Nov. 29	113	1413
"Bromo-Protoline (Davis)." (For Chemical Compound)	Davis Pharmaceutical Company	11,938	Aug. 23	113	2217
"Bu Ko." (For Tea)	A. Lubarsky	10,922	Apr. 5	109	1603
"Bu Ko." (For Tea)	A. Lubarsky	11,182	June 28	110	2507
"Bu Ko." (For Tea)	A. Lubarsky	11,183	June 28	110	2507
"Bu Ko." (For Tea)	A. Lubarsky	11,184	June 28	110	2507
"Buckeye." (For Crackers)	Teledo Biscuit Company	10,681	Jan. 19	108	738
"Bull-Dog Brand." (For Paint)	J. King	11,301	Aug. 9	111	1621
"Burnt and Painted Work." (For Leather Hides for Making Pillows and Banners.)	T. D. Tarrant & Co.	11,664	Dec. 6	113	1701
"Bushee Home Cure." (For Blood Medicine)	G. H. Bushee	11,197	June 28	110	2307
"Buster Brown." (For Bread)	Wells-Boettler Bakery Co.	11,395	Sept. 20	112	725
"Buster Brown Leggings." (For Leggings)	H. Jacob & Sons	10,964	Apr. 19	109	2167
"Buster Brown Leggings." (For Leggings)	H. Jacob & Sons	11,012	May 3	110	303
"Buster Brown's Ring." (For Rings)	E. & J. Bass	10,965	Apr. 19	109	2167
"Butt In." (For Cigars)	J. H. Hunger	11,366	Sept. 6	112	247
"Butters." (For Crackers)	W. H. Faxon	10,906	Mar. 29	109	1333
"By Industry We Thrive." (For Hats)	C. H. Merritt & Son	10,931	Apr. 12	109	1833
"C. Maspero's Medicinal Olive Oil." (For Olive-Oil)	C. Maspero	11,609	Nov. 22	113	1141
"Café Extra." (For Coffee)	Tracy, Packard & Huntoon	11,488	Oct. 18	112	1745
"California Grape Nectar." (For Beverage)	O. Carque	11,484	Oct. 18	112	1745
"Calzonina." (For Cigars)	C. F. Henschel & Co.	11,514	Oct. 25	112	2089
"Canella." (For Toilet Preparation)	Canella Co.	11,125	June 7	110	1721
"Capital Stock Food." (For Stock Food and Medicine)	Capital Stock Food Company	11,444	Oct. 4	112	1209
"Capitol." (For Flour)	J. D. Warren's Sons	11,188	June 28	110	2507
"Captain Jinks." (For Cigars)	L. J. Stadeler	11,204	July 5	111	297
"Car-Dum Hair Restorer and Dandruff Cure." (For Hair-Tonic and Dandruff Cure.)	A. L. Undeland	11,264	July 19	111	803
"Car-Wi-Co. Georgia Kisses." (For Candy)	Cargill-Wight Co.	11,326	Aug. 23	111	2217
"Car-Wi-Co. Georgia Syrup." (For Syrup)	Cargill-Wight Co.	11,343	Aug. 30	111	2487
"Carbonic." (For Distilled Water)	C. H. Schultz	11,509	Oct. 25	112	2089
"Carnation Bouquet." (For Toilet Water)	Randolph Box and Label Co.	11,014	May 3	110	303
"Carpaté Salve." (For Salve)	J. Schwartz	11,714	Dec. 20	113	2211
"Carters Lettuce Headache Powders." (For Headache-Powders.)	W. A. Towles, Jr.	11,314	Aug. 16	111	1933
"Caruso." (For Cigars)	J. E. Doherty & Co.	11,178	June 28	110	2307
"Castaldi's Neapolitan Tomato Sauce." (For Tomato-Sauce.)	E. Castaldi	11,570	Nov. 8	113	545
"Casting Club Rye Whiskey." (For Whisky)	Union Wholesale Liquor Co.	11,305	Aug. 16	111	1933
"Castor Honey." (For Medicine)	W. C. Elliott	11,216	July 5	111	297
"Castor Oval." (For Castor-Oil Tablets)	Castor Oil Tablet Company	11,497	Oct. 18	112	1745
"Castoroids." (For Medicine)	C. F. Burman	11,503	Oct. 25	112	2089
"Catarrhine." (For Medicine)	East India Chemical Co.	11,023	May 3	110	303
"Cayo Bonito." (For Guava Products)	F. R. Yerxa and Sons	11,096	May 24	110	1165
"Cedar of Lebanon." (For Shawls and Scarfs)	N. Naja	11,369	Sept. 13	112	497
"Champagne Velvet." (For Bottled Beer)	Terre Haute Brewing Co.	11,638	Nov. 29	113	1413
"Chapin's Photograph and Card Holder." (For Photograph and Card Holders.)	C. O. Chapin & Co.	11,502	Oct. 18	112	1745
"Checkers Check to Stay Checked." (For Medicine)	J. L. Casper	11,077	May 24	110	1165
"Chicago Athletic Club." (For Cigars, Cigarettes, and Tobaccos.)	M. W. Dittley	11,437	Oct. 4	112	1209
"Chickasaw Plantation." (For Molasses)	C. E. Coe	10,994	Apr. 26	109	2499
"Chickquids." (For Chewing-Gum)	G. D. Cummings	11,397	Sept. 20	112	725
"China-Lac." (For Painters' Supplies)	Patterson-Sargent Company	11,142	June 14	110	2011
"Chlorozone." (For Disinfectant)	Great Western Oil Company	11,115	May 31	110	1425
"Choco." (For Confectionery)	Choco Candy Company	10,970	Apr. 19	109	2167
"Chocolate Mallow Love Kisses." (For Candy Kisses)	Burgess Mfg. Co.	11,630	Dec. 20	113	2211
"Choline." (For Medicine)	East India Chemical Co.	11,023	May 3	110	303
"Chu-Chu Chewing Gum." (For Chewing-Gum)	F. K. Davis	11,598	Nov. 15	113	845
"Cigars Fabrica de Tabacos Garantida." (For Cigars)	Central Lithograph Company	11,134	June 14	110	2011
"Cigars Furo." (For Cigars)	Central Lithograph Company	11,135	June 14	110	2011
"Cigars." (For Cigars)	Central Lithograph Company	11,131	June 7	110	1721
"Cigars Habana." (For Cigars)	Central Litho Co.	10,670	Jan. 12	108	537
"Cinch Rubber Heels." (For Rubber Heels)	F. W. Whitchee	11,220	July 26	111	1038

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"Clarice." (For Cigars)	Schmidt & Co.	11,407	Sept. 20	112	725
"Clay's Sure Cure for Rheumatism." (For Medicine)	E. J. Kieffer	10,689	Jan. 19	108	798
"Clearine Washing and Cleaning Compound." (For Washing and Cleaning Compound)	J. Wortman	11,299	Aug. 9	111	1621
"Clever State." (For Shoes)	J. A. Martin	11,792	Dec. 27	113	2501
"Clover Powders." (For Remedy for Headache and Neuralgia)	L. G. B. Erb	11,562	Nov. 8	113	545
"Club Kola." (For a Beverage)	Liquid Carbonic Company	11,988	Aug. 2	111	1361
"Coan & Harbin's Koke." (For a Beverage)	Bluff City Bottling Co.	10,863	Mar. 22	109	1065
"Cocolat." (For Food Product)	Vermont Manufacturing Co.	11,448	Oct. 4	112	1209
"Cognac de Charente." (For Cognac)	Peter Mueller Wine & Liquor Company.	11,633	Nov. 29	113	1413
"College Arms." (For Cigars)	Cole Lithographing Co.	11,624	Nov. 29	113	1413
"Colonial." (For Axes and Edge-Tools)	Chicago Edge Tool Co.	10,796	Mar. 1	109	273
"Colonial Art Finishes." (For a Finishing Material)	Chicago Wood Finishing Co.	11,279	July 26	111	1039
"Colonial Jelly." (For a Jelly Powder)	Niagara Fruit Jelly Co.	10,957	Apr. 12	109	1883
"Columbia." (For Shirt-Waists)	Rand Bros.	11,280	Aug. 2	111	1361
"Commercial Seal." (For Cigars)	A. C. Henschel & Co.	10,999	Apr. 25	109	2439
"Compliments of the Season." (For Cigars)	American Lithographic Company.	11,538	Nov. 1	113	377
"Concentrated Sprayine." (For Medicine)	F. W. Robinson	11,079	May 24	110	1165
"Confection of Senna." (For Medicine)	J. Boot	11,196	June 28	110	2507
"Congress Hotel Co. Annex Bourbon." (For Whisky)	Congress Hotel Company	10,867	Mar. 22	109	1065
"Constapine." (For Medicine)	East India Chemical Co.	11,029	May 8	110	303
"Cora King." (For Corn Cure)	J. S. Vandegrift	11,715	Dec. 20	113	2211
"Corona de Perlas." (For Cigars)	Schmidt & Co.	11,408	Sept. 20	112	725
"Corticelli Buttonhole Twist." (For Buttonhole-Twist)	Nonotuck Silk Company	11,342	Aug. 30	111	2487
"Corticelli 50 Yard Spool Silk." (For Spool-Silk)	Nonotuck Silk Company	11,546	Nov. 1	113	277
"Corticelli 100-Yard Spool Silk." (For Spool-Silk)	Nonotuck Silk Company	11,419	Sept. 20	112	725
"Coughine." (For Cough Syrup)	East India Chemical Co.	11,029	May 8	110	303
"Country Sorghum." (For Molasses)	C. E. Cox	11,308	Apr. 16	111	1933
"Country Trade." (For Cigars)	Schmidt & Co.	10,873	Mar. 22	109	1065
"Cow-Tone." (For Medicine)	Our Husbands Mfg Co.	11,451	Oct. 4	112	1249
"Creighton's Pulmonary Balsam." (For Cough-Syrup)	B. T. Creighton	11,386	Sept. 13	110	467
"Crème de Milk Chocolate." (For Chocolate)	Ruback Brothers	11,650	Dec. 6	113	1704
"Crème Josephine." (For Toilet Preparation)	Josephine Crème Company	10,938	Apr. 12	109	1883
"Creonol." (For Disinfectant)	Creonol Chemical Company	11,139	June 14	113	2011
"Crescent Rolled Oats." (For Rolled Oats)	Albers Bros. Milling Co.	11,680	Dec. 20	112	2211
"Crown." (For Creamery-Butter)	F. H. Arnsburger	10,787	Mar. 1	109	273
"Crusader." (For Wheat-Flour)	D. Stott	11,529	Nov. 8	113	545
"Crysco." (For Medicine)	Crysco Drug Co.	11,710	Dec. 20	113	2211
"Crystal Rock." (For Lithia-Spring Water)	Chicago Consolidated Bottling Company.	11,107	May 31	110	1435
"Cuban Gold." (For Cigars)	Schmidt & Co.	10,898	Mar. 29	109	1939
"Cuban Tag." (For Cigars)	Schmidt & Co.	11,085	Dec. 20	113	2211
"Cubanas Cigarros." (For Cigars)	Central Litho. Co.	10,672	Jan. 12	108	557
"Cuban's Favorite." (For Cigars)	La Hilda Cigar Factory	10,715	Feb. 2	108	1325
"Curatum." (For Salve)	C. W. Shaw	11,499	Oct. 18	112	1745
"Curtis Oils for Furniture, Hardwood, Pianos and Floors." (For Oils)	I. R. Curtis	11,141	June 14	110	2011
"Curvette Skirt Braid." (For Skirt-Braid)	J. W. Schloss	11,647	Nov. 29	113	1413
"Cutl Balm." (For a Lotion)	E. Reth	10,825	Mar. 15	109	803
"Czar's Rose Brand Tea." (For Tea)	G. Zalinoff	11,062	May 17	110	855
"Daily Bread Baking Powder." (For Baking-Powder)	Kenton Baking Powder Co.	11,098	May 24	110	1165
"Dan Patch." (For Cigars)	Forest City Cigar Co.	10,746	Feb. 16	108	1867
"Danies Brand Tomatoes." (For Tomatoes)	W. C. Elliott	11,228	July 5	111	297
"Day's Violet Enamel." (For a Lotion)	W. L. Shoemaker	10,775	Feb. 23	108	2141
"Dentodyne." (For Medicine)	Dentodyne Company	11,642	Nov. 29	113	1413
"Dermal Lotion." (For Lotion)	Dermal Lotion Co.	11,643	Nov. 29	113	1413
"Deutscher Aromatischer Feinster Gesundheits Liqueur." (For Liqueur)	F. K. Verch	11,585	Nov. 15	113	845
"Diamond Star Rye Whiskey." (For Whisky)	Peter Mueller Wine & Liquor Company.	11,627	Nov. 29	113	1413
"Diodora." (For Whisky)	J. Cranston Co.	11,472	Oct. 11	112	1475
"Discount." (For Newspapers, Periodicals, Magazines, Pamphlets, &c.)	S. B. Hutchinson	10,819	Mar. 15	109	863
"Distillata." (For Distilled Water)	City Ice Delivery Co.	11,306	Aug. 16	111	1933
"Dividend Payer." (For Cigars)	Schmidt & Co.	10,874	Mar. 22	109	1065
"Dixie." (For Bleached Cotton)	J. M. Robinson, Norton & Co.	11,066	Dec. 6	113	1701
"Dixie Fly Oil." (For an Oil)	W. C. Elliott	11,167	Feb. 9	109	3231
"Dixie Screw Worm Ointment." (For Ointment)	W. C. Elliott	11,166	June 21	110	2231
"Do-No." (For Medicine)	L. G. Denton	10,800	Mar. 8	109	547
"Doan's Dinner Pills." (For Pills)	Foster-McClellan Co.	11,741	Dec. 27	113	2501
"Dolina." (For Cigars)	G. Schlegel	11,203	July 5	111	297
"Domestic Pets." (For Picture-Blocks)	National Novelty Corporation	10,967	Apr. 19	109	2167
"Domuska." (For Lime-Fruit Juices)	E. B. Sutcliffe	11,328	Aug. 9	111	1621
"Dope, a Tonic for the Nerves." (For a Beverage)	W. H. Weatherly	11,287	Aug. 2	111	1361
"Dorothy Dix." (For Cigars)	H. Sommer	11,275	July 26	111	1033
"Dove Headache Tablets." (For Headache-Tablets)	J. H. Tuttle	11,257	July 19	111	838
"Dr. A. Cornog's Giant Salve." (For Salve)	A. Cornog	11,713	Dec. 21	113	2211
"Dr. Antrims Inhalant." (For Medicine)	M. I. Holp	10,742	Feb. 16	108	1867
"Dr. Brooks' Faultless Tooth Powder." (For Tooth-Powder)	D. L. Brooks	10,999	Apr. 19	109	2167
"Dr. Conrad's Femaleine." (For Medicine)	C. Conrad	10,709	Feb. 2	108	1235
"Dr. Downing's R 1818 Tablets." (For Medicinal Tablets)	J. C. C. Downing	11,078	May 17	110	855
"Dr. Farrell's Absolute Cure for Catarrh." (For Medicine)	Dr. Farrell's Catarrh Cure Co.	10,734	Feb. 9	108	1885
"Dr. Gregg's Syrup of Roots and Herbs." (For Medicine)	Thomas & Smith	11,391	Sept. 13	112	497
"Dr. Grey's Almond Cream Toilet Soap." (For Toilet Soap)	Enterprise Soap Works	10,940	Apr. 12	109	1883
"Dr. Grey's Almond Cream Toilet Soap." (For Toilet Soap)	Enterprise Soap Works	10,941	Apr. 12	109	1883
"Dr. Hickox's Malarial Capsules." (For Medicine)	J. M. Hickox	10,918	Apr. 5	109	1603
"Dr. Howland's Anti-Rheumatic." (For Medicine)	F. P. Howland	10,878	Mar. 8	109	547
"Dr. James Iron, Blood and Liver Tonic." (For Medicine)	The James Chemical Co.	11,588	Nov. 15	113	845
"Dr. Joe's Sarsaparilla." (For Medicine)	W. J. Johnston	11,367	Sept. 6	112	247
"Dr. Lobb's True Homoeopathic Cure." (For Medical Preparations)	Krusen & Company	11,392	Sept. 13	112	497
"Dr. Pancoast's Liverette Pellets Prevent Appendicitis." (For Medicine)	W. M. Reynolds	11,560	Nov. 8	113	545
"Dr. Price's Ice Cream Sugar." (For a Dessert)	Price Flavoring Extract Co.	11,820	Nov. 29	113	1413

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"Dr. Price's Jelly Sugar." (For a Dessert).....	Price Flavoring Extract Co.....	11,363	Sept. 6	112	247
"Dr. Sherman's Hog Cholera Preventive." (For Hog-Cholera Preventives).....	Badger Chemical Company.....	10,712	Feb. 2	108	1325
"Dr. Straube's Hien-fong-Essence." (For Medicine).....	German-American Hien-fong Co.....	11,272	July 26	111	1033
"Dr. Von Hassen's French Germ Destroyer." (For Antiseptic).....	O. B. Wunschow.....	11,138	June 14	110	2011
"Dr. Wamba's Elixir." (For Medicine).....	C. Hunt.....	11,195	June 28	110	2507
"Dr. White's Specialty for Diphtheria." (For Medicine).....	W. White.....	11,000	Apr. 26	109	2439
"Dr. Winter's Antiseptic Pepsin Gum." (For Chewing-Gum).....	Winter Chemical Company.....	11,362	Sept. 6	112	247
"Drall's Tonic Chocolate." (For Tonic-Chocolate).....	H. Drall.....	11,361	Dec. 20	113	2211
"Dry-Sole." (For a Preparation for the Preservation of Shoes).....	J. J. Corcoran, Jr.....	11,265	July 19	111	803
"Dublin Stout." (For Stout).....	R. A. Beatty.....	11,181	June 28	110	2507
"Duc d'Epernay." (For Wine).....	M. Cohen.....	11,109	May 31	110	1425
"Duchess Hose." (For Hosiery).....	C. Chipman's Sons.....	11,254	July 12	111	577
"Ducks in Water." (For Toys).....	A. Keedell.....	11,754	Dec. 57	113	2501
"Duke of New York." (For Overcoats).....	Solomon Scott & Co.....	11,361	Sept. 6	112	247
"Durant's Yellow Gall Cure." (For Medicine).....	H. B. Durant.....	11,551	Dec. 6	113	1701
"Dygestiv." (For Proprietary Medicine).....	Hegemano & C.....	11,591	Nov. 15	113	845
"E. Poncelet Freres, Vermouth Francais." (For Vermouth).....	J. Clavel Wine & Cordial Co.....	11,680	Dec. 13	113	1965
"E. & S. Brand of Pure California Olive Oil." (For Olive-Oil).....	Ekman-Stow Co.....	10,925	Apr. 5	109	1003
"E. Z." (For Soap).....	G. F. Chapin & Son Co.....	11,433	Oct. 4	112	1303
"Eagle Germantown Lamp Black." (For Lampblacks and Colors).....	L. Martin Company.....	10,846	Mar. 22	109	1065
"Eagle Rolled Oats." (For Rolled Oats).....	Albers Bros. Milling Co.....	11,490	Oct. 18	112	1745
"Earle's Kidney and Bladder Cure." (For Medicine).....	T. Earle.....	11,294	Aug. 9	111	1621
"Eatsum Swedish Milk Wafer." (For Milk Wafers).....	L. M. Peterson.....	11,747	Dec. 27	113	2501
"Eau de Lys." (For Lotion).....	G. Lohse.....	11,717	Dec. 20	113	2211
"Eckert." (For Coffee).....	T. A. Eckert.....	10,728	Feb. 9	108	1585
"Eclipse." (For Refrigerators, Butchers' Tools, Machinery, and Supplies).....	B. Gloekler.....	11,393	Sept. 13	112	497
"Edgewater Brand Corn." (For Corn).....	United States Printing Co.....	11,230	July 5	111	297
"Edgewater Brand Peas." (For Peas).....	United States Printing Co.....	11,219	July 5	111	297
"Edgewater Brand Tomatoes." (For Tomatoes).....	United States Printing Company.....	11,161	June 21	110	2231
"Edison Gold Moulded Records." (For Phonograph-Records).....	National Phonograph Company.....	11,303	Aug. 9	111	1621
"Egyptian Cream of Myrrh." (For Massage-Cream).....	Egyptian Cream of Myrrh Company.....	11,362	July 19	111	803
"Egyptian Fortune Teller." (For Cigars).....	M. Alishahon.....	11,422	Sept. 27	112	951
"Egyptian Oil." (For Medicine).....	East India Chemical Co.....	11,025	May 3	110	303
"Egyptian Salve." (For Salve).....	W. Wyman.....	10,988	Apr. 19	109	2167
"El Ematico." (For Cigars).....	O. L. Schwencke Lithographic Co.....	11,495	Oct. 18	112	1745
"El Habanitos." (For Cigars).....	American Lithographic Company.....	11,420	Sept. 27	112	951
"El Romano." (For Cigars).....	Prieto & Arguilles.....	11,536	Nov. 1	113	277
"Electric Cleansing Fluid." (For Cleansing Fluid).....	American Cleansing Fluid Co.....	11,432	Sept. 27	112	951
"Electric Cleansing Flux Paste." (For Flux Paste).....	G. L. Leitze.....	10,951	Apr. 12	109	1853
"Elegantes Cigarras." (For Cigars).....	Central Litho. Co.....	10,659	Jan. 12	108	547
"Elite." (For Cigars).....	Schmidt & Co.....	11,423	Sept. 27	112	951
"Elixir Bar-Lithite." (For Proprietary Medicine).....	Bar Lithite Co.....	11,639	Nov. 29	113	1413
"Elixir of Radium." (For Medicine).....	G. P. Gehring.....	10,919	Apr. 5	109	1603
"Elk." (For Oranges).....	United Paper Co.....	10,654	Jan. 12	108	557
"Elk Brand." (For Candy).....	Alabama Candy Co.....	11,049	May 10	110	597
"Elks' National Home." (For Cigars).....	E. C. De Patron.....	11,357	Aug. 20	111	2457
"Emerald Seal." (For Cigars).....	Schmidt & Co.....	11,662	Dec. 20	113	2211
"Emocascara." (For Proprietary Medicine).....	Hegeman & Co.....	11,590	Nov. 15	113	845
"Empire Beauties Corn." (For Corn).....	United States Printing Co.....	11,232	July 5	111	297
"Empire Beauties Tomatoes." (For Tomatoes).....	United States Printing Co.....	11,227	July 5	111	297
"English May Flower Lotion." (For Toilet Preparation).....	Mae Mfg. Co.....	10,889	Mar. 29	109	1333
"Epl." (For Medicine).....	W. E. Martin & Son.....	10,772	Feb. 23	108	2141
"Erdman's German Herb Tablets." (For Medicine).....	Erdman & Co.....	11,066	May 17	110	855
"Erdman's German Herb Tonic." (For Medicine).....	Erdman and Co.....	11,082	May 24	110	1165
"Erin Brand." (For Handkerchiefs).....	J. E. Detwiler.....	11,268	July 26	111	1033
"Esquisitos." (For Cigars).....	A. B. Heine & Company.....	11,268	July 26	111	1033
"Euclid Butter Crackers." (For Bakery Products).....	Ohio Baking Co.....	11,462	Oct. 11	112	1475
"Eutrophis." (For Hair-Tonic).....	C. Breuer.....	11,716	Dec. 20	113	2211
"Excelsior Trimmed, Steam Shaved Smoked Beef." (For Smoked Beef).....	J. W. Worrall.....	11,150	June 14	110	2011
"Exotic Balm." (For Liniment).....	J. A. Wood.....	10,810	Mar. 8	109	547
"Exquisitos Cigarras." (For Cigars).....	Central Lithograph Co.....	10,880	Mar. 22	109	1065
"Exquisitos Cigarras." (For Cigars).....	Central Lithograph Company.....	10,897	Mar. 29	109	1333
"Extra Car Painters' Lamp Black." (For Lampblacks and Colors).....	L. Martin Company.....	10,850	Mar. 22	109	1065
"Extra Currier's Velvet Lamp-Black." (For Lampblacks and Colors).....	L. Martin Company.....	10,851	Mar. 22	109	1065
"Extra Double Refined Superior Coach Painters' Lamp Black." (For Lampblacks and Colors).....	L. Martin Company.....	10,847	Mar. 22	109	1065
"Extra Dry Aromatic Ginger Ale." (For Ginger-Ale).....	G. Lomax.....	11,469	Oct. 11	112	1475
"Extra Dry Ginger Ale." (For Carbonated Beverages).....	American Soda Fountain Company.....	10,980	Apr. 19	109	2167
"Extra Fina Cigar." (For Cigars).....	Central Lithograph Company.....	10,947	Apr. 12	109	1853
"Extra Fina Cigarras." (For Cigars).....	Central Litho. Co.....	10,667	Jan. 12	108	557
"Eyelene." (For Eye Medicine).....	H. C. Wise.....	10,768	Feb. 23	108	2141
"Factory Bunch." (For Cigars).....	Schmidt & Co.....	10,805	Mar. 8	109	547
"Fairview Liniment." (For Liniment).....	W. E. Erdman.....	11,539	Oct. 4	112	1209
"Famillee-Toilette-Seife." (For Toilet Soap).....	G. Lohse.....	11,722	Dec. 20	113	2211
"Famous." (For Cocktails).....	J. Cranston Co.....	11,473	Oct. 11	112	1475
"Fan Craze." (For Game Outfit).....	Fan Craze Company.....	11,358	Sept. 6	112	247
"Farm Brand Sterilized Cream." (For Sterilized Cream).....	M. A. Newmark & Co.....	11,457	Oct. 4	112	1209
"Farmers Poultry Food." (For Poultry-Food).....	D. S. Ragon.....	10,729	Feb. 9	108	1585
"Farmers Stock Food." (For Stock-Food).....	D. S. Ragon.....	11,339	Sept. 13	112	497
"Favorite Seal." (For Cigars).....	D. S. Ragon.....	11,385	Sept. 13	112	497
"Faxon's Black & Green Tea." (For Tea).....	B. Zipfel & Sons.....	11,492	Oct. 18	112	1745
"Fernet Fratelli Branca Fu Carlo & Cl." (For Medicine).....	W. H. Faxon.....	10,684	Jan. 19	108	793
"Fifteen Years Old Manassas 1861 Pure Rye Whiskey." (For Whisky).....	V. Casazza & Bro.....	11,742	Dec. 27	113	2501
"Fine Old Extra Rye Whisky No. 6." (For Whisky).....	P. McIntyre.....	10,791	Mar. 1	109	273
	Patterson & Coane.....	11,397	Aug. 9	111	1621

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"Fino Cigar." (For Cigars)	Central Lithograph Co.	10,882	Mar. 22	109	1065
"Fino Cigar." (For Cigars)	Central Lithograph Co.	10,883	Mar. 22	109	1065
"Firefly." (For Mantles)	Adams Incandescent Light Co.	11,756	Dec. 27	113	2501
"First Clip." (For Cigars)	Schmidt & Co.	11,533	Nov. 8	113	545
"First Justice Cigar." (For Cigars)	Central Lithograph Company	11,292	Aug. 2	111	1361
"First Justice John Marshall." (For Cigars)	Central Lithograph Co.	11,179	June 28	110	2507
"Flexo Chocolate Bars." (For Chocolate Confectionery)	National Licorice Co.	11,429	Sept. 27	112	951
"Flor de Alfalfa." (For Cigars)	Schmidt & Co.	11,381	Sept. 13	112	497
"Flor de Astor." (For Cigars)	Park & Tilford	10,830	Mar. 15	109	803
"Flor de Cuba." (For Tomatoes)	R. Font.	11,533	Nov. 1	113	277
"Flor De Tademá." (For Cigars)	Argüelles, Lopez & Bro	11,525	Nov. 1	113	277
"Flor de Tampa." (For Cigars)	Schmidt & Co.	11,699	Dec. 20	113	2211
"Flor Fina Cigarros." (For Cigars)	Central Lithograph Co.	10,878	Mar. 22	109	1065
"Flor Fina Cigarros." (For Cigars)	Central Lithograph Co.	10,884	Mar. 22	109	1065
"Flor Fina Cigarros." (For Cigars)	Central Lithograph Co.	10,896	Mar. 29	109	1333
"Flor Fina Cigarros." (For Cigars)	Central Lithograph Company	10,945	Apr. 12	109	1383
"Flor Fina Cigars." (For Cigars)	Central Lithograph Co.	10,894	Mar. 29	109	1333
"Forest Comfort." (For Whisky)	P. Schwarz	11,512	Oct. 25	113	3089
"Foru." (For Toilet-Paper)	Scott Paper Co.	11,400	Sept. 20	112	735
"Foxy Tom." (For Cigars)	W. H. Bobbitt	10,716	Feb. 2	108	1325
"Fragrant Velvo-Derma." (For Toiletand Massage Cream)	W. Mezger	11,415	Sept. 20	112	735
"Franklin's Electric Plaster." (For Medicinal Plasters)	Bauer & Black	11,478	Oct. 11	112	1475
"Fruit Brandy." (For Fruit Brandy)	Popel & Giller	11,656	Dec. 6	113	1701
"Fruitatives." (For Liver-Tablets)	A. Rogers	11,281	Aug. 2	111	1361
"Full-Nest Egg Food." (For Egg Food)	Cyphers Incubator Co.	11,052	May 10	110	597
"Gallant Knight Sct. Cigar." (For Cigars)	W. F. Marzyck	11,463	Oct. 11	112	1475
"Galvin's Cough Syrup." (For Cough-Syrup)	W. M. Steever	10,774	Feb. 23	108	2141
"Gardner's Pepsin Chewing Gum." (For Chewing-Gum)	J. Gardner	11,050	May 10	110	597
"Gardner's Pepsin Gum." (For Chewing-Gum)	J. Gardner	11,051	May 10	110	597
"Ge-Ge." (For a Medicated Confection)	L. J. Gerson	11,541	Nov. 1	113	277
"Genuine Holland Tip Top Gin." (For Gin)	Peter Mueller Wine & Liquor Company.	11,634	Nov. 29	113	1413
"Genuine Insect Powder." (For Insect-Powder)	W. Miller	11,653	Dec. 6	113	1701
"German Worm Expeller." (For Medicine)	A. Oettinger	11,067	May 17	110	855
"Germantown Black." (For Lampblacks and Colors)	L. Martin Company	10,844	Mar. 22	109	1065
"Germicide Dandruff Cure." (For Dandruff Cure)	A. Burrows.	11,611	Nov. 22	113	1141
"Gibbs & Co.'s Unsweetened Dry Gin." (For Gin)	New York Importation Co.	11,089	May 24	110	1165
"Gilt Edge Cereal." (For Cereal Coffee)	Gilt Edge Cereal Co.	10,932	Mar. 22	109	1333
"Ginger Ale." (For Ginger-Ale)	C. H. Schultz	11,582	Nov. 15	113	845
"Gold Bond, Knox, Dust, Fill, Medal, Plate Shoes." (For Shoes)	J. B. Hunter	10,799	Mar. 8	109	547
"Gold Coin Cattle Fattener." (For Fattening-Foods for Cattle)	Gold Coin Stock Food Company	11,009	Apr. 26	109	2439
"Gold Coin Egg-a-Day Poultry Food." (For Poultry-Food)	Gold Coin Stock Food Company	11,005	Apr. 26	109	2439
"Gold Coin Foot Remedy." (For Live-Stock Medicine)	Gold Coin Stock Food Company	11,001	Apr. 26	109	2439
"Gold Coin Germ Killer." (For Live-Stock Medicine)	Gold Coin Stock Food Company	11,002	Apr. 26	109	2439
"Gold Coin Hog Fattener." (For Hog-Fattening Foods)	Gold Coin Stock Food Company	11,008	Apr. 26	109	2439
"Gold Coin Quick Cure Condition Powder." (For Condition-Powders for Live Stock)	Gold Coin Stock Food Company	11,007	Apr. 26	109	2439
"Gold Coin Scientific Heave Cure." (For Live-Stock Medicine)	Gold Coin Stock Food Company	11,003	Apr. 26	109	2439
"Gold Coin Special Horse Tonic." (For Horse-Tonic)	Gold Coin Stock Food Company	11,006	Apr. 26	109	2439
"Gold Coin Worm Powder." (For Live-Stock Medicine)	Gold Coin Stock Food Company	11,004	Apr. 26	109	2439
"Gold Medal." (For Paper Bags)	Union Bag & Paper Co.	11,201	June 28	110	2507
"Gold Medal." (For Whisky)	Green Mountain Distillery Co.	11,654	Dec. 6	113	1701
"Gold Medal Brand." (For Olives)	Seville Packing Co.	10,647	Jan. 5	108	285
"Gold Prize." (For Cigars)	Schmidt & Co.	11,698	Dec. 20	113	2211
"Gold Share." (For Cigars)	Schmidt & Co.	10,872	Mar. 22	109	1065
"Gold Top." (For Beer)	A. Wilmanns	11,573	Nov. 15	113	845
"Golden Crest Lithia Ginger Ale." (For Ginger-Ale)	Virginia Lithia Springs Co.	11,156	June 21	110	2031
"Golden Crown Patent XXXX Flour." (For Flour)	H. Johnson and C. K. Bryden	11,112	May 31	110	1425
"Golden Gate Fruit Co. Apricot Wine." (For Wine)	T. Miller	11,060	May 17	110	855
"Golden Gate Fruit Co. Orange Wine." (For Wine)	T. Miller	11,061	May 17	110	855
"Golden Oak." (For Cigars)	Moeller & Kolb	11,247	July 12	111	577
"Golden Rod." (For Spices)	Tracy, Packard & Huntoon	11,489	Oct. 18	112	1745
"Golden Rod." (For Candy)	Gillen & Boney	11,622	Nov. 29	113	1413
"Golden Rod Ginger Ale." (For Ginger-Ale)	A. W. Kaye	11,583	Nov. 15	113	845
"Golden Rule V-a-n-i-l-a." (For an Extract)	Citizens' Wholesale Supply Co.	11,144	June 14	110	2011
"Golden Star Spirit-Lamp Black." (For Lampblacks and Colors)	L. Martin Company	10,840	Mar. 22	109	1065
"Goldrim." (For Flour)	Western Flour Mill Co.	11,282	Aug. 2	111	1361
"Goo Goo Poultry Food." (For Poultry-Food)	A. J. Goelzhauser	11,336	Aug. 23	111	2217
"Good Chairs." (For Chairs)	Buckeye Chair Co.	10,839	Mar. 15	109	803
"Graham's Improved Borax Axle Soap." (For Axle-Soap)	W. H. Faxon	11,250	July 19	111	803
"Graham Crackers." (For Crackers)	Schmidt & Co.	10,899	Mar. 29	109	1333
"Graino." (For Cigars)	Schmidt & Co.	11,177	June 28	110	2507
"Grand Opera." (For Cigars)	Kopp & Mordan	10,991	Apr. 26	109	2439
"Grape Nut Bread." (For Bread)	Schmidt & Co.	11,556	Nov. 8	113	545
"Great Tip Cigars." (For Cigars)	Elder-Harrison Co.	10,708	Jan. 26	108	1047
"Green Spring Valley." (For Whisky)	Elder-Harrison Co.	11,522	Nov. 1	113	277
"Green Spring Valley." (For Whisky)	Sperry & Hutchinson Co.	10,853	Mar. 22	109	1065
"Green Trading Stamp Brand for Groceries." (For Groceries)	W. Stastny	11,091	May 24	110	1165
"Greenland Pennsylvania High Grade Rye Whiskey." (For Whisky)	H. J. Grell Butter & Egg Co.	10,680	Jan. 19	108	793
"Grell's Rose Leaf Brand Creamery Butter The Butter That Bette's the Bread." (For Butter)	L. Bush	11,700	Dec. 20	113	2211
"Grey Friar." (For Whisky)	A. Crichton	10,784	Mar. 1	109	273
"Grippura (Germ Destroyer)." (For Medicine)	A. Crichton	10,916	Apr. 5	109	1603
"Griscom's Bone Marrow Liniment." (For Medical Compound)	Steelman and Archer	11,544	Nov. 1	113	277
"Grohair." (For Hair-Restorer)	Grohair Mfg. Co.	11,171	June 21	110	2231
"Guaisolot (Davis) The Only Permanent Sirup of Guaiacol." (For Medicine)	Davis Pharmaceutical Company	10,983	Apr. 19	109	2167
"Guzo Calvarian Elixir." (For Medicine)	P. J. Guzowski	10,702	Jan. 26	108	1047

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"H. C. Bitting's Dandruff Cure." (For Dandruff Cure).....	H. C. Bitting	11,413	Sept. 20	112	725
"H. C. Bitting's Eczema Cure." (For Medicine)	H. C. Bitting	11,412	Sept. 20	112	725
"H. L. C Tooth Bleach." (For Dentifrice)	L. A. Jackson	10,638	Jan. 19	108	738
"Habana Cigarras." (For Cigars)	Central Litho. Co.	10,673	Jan. 12	108	557
"Habana Cigarras." (For Cigars)	Central Lithograph Co.	10,879	Mar. 22	109	1065
"Habana Cigars." (For Cigars)	Central Lithograph Company	10,946	Apr. 12	109	1883
"Habana Flor Fina." (For Cigars)	A. Kauffman & Bro	11,523	Nov. 1	113	277
"Hair-E-Face." (For Hair-Remover)	Alexander Co	11,130	June 7	110	1721
"Hair Health." (For Shampoo)	Royale Chemical Co.	10,738	Feb. 9	108	1585
"Hair's Benzine Soap." (For Soap)	R. L. Hall Soap Co.	11,124	June 7	110	1721
"Hand Made Havana Filler." (For Cigars)	Wallick & Gohn	11,513	Oct. 25	112	2089
"Hand Made Havana Filler." (For Cigars)	Merchants Cigar Box Co	11,577	Nov. 15	113	845
"Hand United to Hand Labor Conquers All." (For Hats) ..	C. H. Merritt & Son	10,936	Apr. 12	109	1883
"Harmony Brand." (For Canned Salmon)	E. D. Hunne	10,992	Apr. 26	109	2439
"Health Tonic." (For Beer)	American Brewing Co. of Pekin	11,209	July 5	111	297
"Heath's Tetuluh Headache Capsules." (For Headache-Capsules) ..	Kamps & Sacksteder Drug Co.	10,892	Mar. 29	109	1333
"Hedeval." (For Hog-Cholera Cure)	American Hog Cholera Cure Co	10,786	Mar. 1	109	273
"Heinz Apple Butter." (For Apple-Butter)	H. J. Heinz Company	11,338	Nov. 1	113	277
"Heinz India Relish." (For Relish)	H. J. Heinz Company	11,334	Aug. 23	111	2217
"Heinz Manzanilla Olives." (For Olives)	H. J. Heinz Co	11,536	Nov. 1	113	277
"Heinz Mustard Dressing." (For Mustard Dressing)	H. J. Heinz Co	11,535	Nov. 1	113	277
"Heinz Pepper Sauce." (For Pepper-Sauce)	H. J. Heinz Co	11,571	Nov. 8	113	545
"Heinz Preserved Sweet Mixed Pickles." (For Pickles) ..	H. J. Heinz Company	11,333	Aug. 23	111	2217
"Heinz Preserved Sweet Mixed Pickles." (For Pickles) ..	H. J. Heinz Company	11,333	Aug. 23	111	2217
"Heinz Spanish Queen Olives." (For Olives)	H. J. Heinz Co	11,537	Nov. 1	113	277
"Heinz Tomato Ketchup." (For Tomato Catchup)	H. J. Heinz Co	11,394	Sept. 20	112	725
"Hermes Balm." (For Medicine)	Sanitary Chemical Company	11,411	Sept. 20	112	725
"Hermits Friend Rheumatic Remedy." (For Medicine) ..	E. C. Smith	10,917	Dec. 1	108	1033
"Hero-Pine." (For Cough Remedy)	Kramer & Wegener	11,318	Aug. 16	111	1933
"Herpillik." (For Dandruff Cure)	Royale Chemical Co.	10,739	Feb. 9	108	1585
"High Grade Havana Filler." (For Cigars)	Gilt Edge Cigar Box Factory	11,493	Oct. 18	112	1745
"High Life." (For Beer)	Fred Miller Brewing Co	10,719	Feb. 2	108	1325
"High Life." (For Smoking Tobacco)	E. Harris & Bro	11,825	Nov. 15	113	845
"Highland Hearts." (For Whisky)	Elder-Harrison & Co	11,896	Nov. 15	113	845
"Hill's Popular Pink Penetrating Hand Soap." (For Soap) ..	R. C. Hicks	10,740	Feb. 9	108	1385
"Himalia Tonic." (For Stomach and Blood Tonic)	C. O. F. Burkstrom	10,652	Jan. 5	108	285
"Hires Birch Ale." (For Carbonated Beverages)	Charles E. Hires Company	11,307	July 5	111	297
"Hires Blood Orange." (For Carbonated Beverages)	Charles E. Hires Company	11,305	Mar. 22	109	1065
"Hires Chocolate." (For Carbonated Beverages)	Charles E. Hires Company	11,306	July 5	111	297
"Hires Raspberry Ale." (For Carbonated Beverages)	Charles E. Hires Company	11,308	July 5	111	297
"Hofmeister Placket." (For Ladies' Clothing)	F. Hofmeister	10,937	Apr. 12	109	1883
"Holstein Brand." (For Butter)	Illinois Creamery Co	10,765	Feb. 23	108	2141
"Home." (For Condensed Milk and Evaporated Cream) ..	American Condensed Milk Co	10,829	Mar. 22	109	1065
"Honest A. S. Tompkins Cigar." (For Cigars)	J. Walter	11,461	Oct. 12	112	1473
"Honest Labor, Fair Honest Wages." (For Hats)	C. H. Merritt & Son	10,933	Apr. 12	109	1883
"Honey Dew." (For Smoking Tobacco)	E. Harris & Bro	10,932	Apr. 19	109	2167
"Hosterman's Celebrated Amber Ointment." (For Ointment) ..	J. H. Hosterman	11,083	May 24	110	1165
"Hot Cake." (For Cigars)	Schmidt & Co	10,807	Mar. 8	109	547
"Howard's True Violet Soap." (For Soap)	J. E. Howard	11,057	May 17	110	835
"Hyde Park Butter." (For Butter)	W. D. Hanford	11,327	Aug. 23	111	2217
"Hyde's Hemlock Hea." (For Medicine)	E. B. Hyde	11,594	Oct. 25	112	2089
"Ictone." (For Toilet-Paper)	United States Paper Co	11,373	Sept. 13	112	997
"Huile D'Olive." (For Olive-Oil)	Société Oleicole de Sfax	11,704	Dec. 30	113	2311
"Hunt's Laxative Mints." (For Cough Medicine)	I. E. Adams	11,707	Dec. 20	113	2311
"Hygieia." (For Herb Teas)	American Health Association	11,737	Dec. 27	113	2501
"Hygieia The Best." (For Herb Teas)	American Health Association	11,736	Dec. 27	113	2501
"I-Am-A." (For Cigars)	Reason & Zengerle	11,323	Aug. 23	111	2217
"I-V Washing Tablets." (For Washing-Tablets)	I-V Washing Tablet Co	11,117	May 31	110	1425
"Ice Cups." (For Biscuit-Cups for Holding Ice-Cream) ..	I. Marchiony	10,817	Mar. 8	109	547
"Ideal Bluing Book." (For Bluing-Book)	C. M. Hatcher	11,599	Nov. 15	113	845
"Idol." (For Flour)	Hexington Roller Mills Co	10,958	Apr. 12	109	1883
"Iduna." (For Medicine)	A. Lind	10,655	Jan. 5	108	285
"Imperial Pheasant." (For Prunes)	Willamette Valley Prune Association	11,748	Dec. 27	113	2501
"Imperial Vaginettes." (For Suppositories)	J. S. Falck	11,273	July 26	111	1033
"Individual Liberty." (For Hats)	North American Hat Co	11,430	Sept. 27	112	951
"Inglefield Brand, Georgia Cane Syrup." (For Syrup) ..	Carrill-Wright Co	11,566	Nov. 8	113	545
"Ino." (For a Beverage)	Ino Company	10,979	Apr. 8	109	497
"Iodized Emulsion, (Scott)." (For an Emulsion)	Dawson Pharmaceutical Co	10,744	Feb. 16	108	1867
"Irwin Brand Corn." (For Corn)	United States Printing Co	11,234	July 5	111	297
"Irwin Brand Food Preserves." (For Food Preserves) ..	United States Printing Co	11,344	Aug. 30	111	2487
"Irwin Brand Tomatoes." (For Tomatoes)	United States Printing Co	11,224	July 5	111	297
"Island Brand." (For Candy)	E. Neveggool	11,277	July 26	111	1033
"It Reaches the Right Spot." (For Medicine)	A. Crichton	11,030	May 3	110	803
"It Reaches the Right Spot." (For Medicine)	A. Crichton	11,215	July 5	111	297
"It Reaches the Right Spot." (For Medicine)	A. Crichton	11,355	Aug. 30	111	2487
"It's Tempting." (For Whisky)	B. S. Fierstlim Mercantile Co	11,701	Dec. 30	113	2311
"J-B Ammonia." (For Ammonia)	Jenkins Bros	11,116	May 31	110	1425
"J. L. Howes' Balm." (For Medicine)	J. L. Howes	10,771	Feb. 23	108	2141
"J. L. Howes' Magic Relief." (For Medicine)	J. L. Howes	10,772	Feb. 23	108	2141
"J. M. McClelland's Crystal Drops." (For Medicine) ..	J. L. Howes	10,770	Feb. 23	108	2141
"Jackfull." (For Cigars)	J. M. McClelland	11,390	Sept. 13	112	997
"Jameson Brand Corn." (For Corn)	Schmidt & Co	10,804	Mar. 8	109	547
"Jameson Brand Tomatoes." (For Tomatoes)	United States Printing Co	11,233	July 5	111	297
"Jamison Brand Raspberry Jam." (For Raspberry Jam) ..	United States Printing Co	11,225	July 5	111	297
"Japanese." (For Explosives)	United States Printing Co	11,345	Aug. 30	111	2487
"Jersey Butters." (For Biscuits)	Rockdale Powder Co	11,751	Dec. 27	113	2501
"Jersey Queen." (For Condensed Milk)	Ontario Biscuit Company	10,856	Mar. 22	109	1065
"Jitsu." (For a Gaudy)	Lackawanna Dairy Company	11,243	July 12	111	577
"John Lord." (For Cigars)	A. J. Dittman	11,688	Dec. 13	113	1965
"Johnny Mack Mahon's Rattle Snake Oil." (For Medicine) ..	Grand Rapids Cigar Box Co	10,792	Mar. 1	109	273
"Jumbo Brazing Compound." (For Brazing Compound) ..	J. E. Arnold & Co	10,887	Mar. 22	109	1066
"Just a Biscuit, That's all!" (For Crackers or Biscuits) ..	F. T. Ward	11,963	Apr. 12	113	845
		11,596	Nov. 15	113	845

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"Just-as-Sure." (For Medicine).....	L. G. Denton.....	10,893	Mar. 29	109	1333
"Justice, Unity, Equity, Hand Made in America." (For Hats).....	C. H. Merritt & Son.....	10,929	Apr. 12	109	1883
"K K Hog Cholera Preventive." (For Medicine).....	Home Medicine Company.....	11,053	May 10	110	597
"K of L Union Printers." (For Printed Matter).....	Order of the Knights of Labor.....	11,359	Sept. 6	112	247
"Kalo's Ruby Oil." (For Medicine).....	Menthio-Jell Co.....	10,658	Jan. 5	108	285
"Karlsbader Honey-Wine Bitters." (For Bitters).....	A. V. Kouba.....	11,738	June 21	110	2231
"Katzen Yamer Kur." (For Medicine).....	11,388	Sept. 13	112	497	
"Kennebec Spruce Gum." (For Gum).....	C. A. McMahan.....	11,149	June 14	110	2011
"Kennedy's Union-Made Hand Soap." (For Soap).....	W. E. Kennedy.....	11,364	Sept. 6	112	247
"Kennelworth Flea Killer." (For a Preparation for Cleaning Animals).....	W. N. Seary.....	10,660	Jan. 5	108	285
"Kentucky Liniment." (For Liniment).....	J. P. Wygal.....	11,712	Dec. 30	113	2211
"Keystone Remedies U M P Co." (For Medicine).....	J. H. Carter.....	11,387	Sept. 13	112	497
"Khehive." (For Tea).....	Milliken, Tomlinson Co.....	10,789	Mar. 1	109	273
"Ki-Ki." (For Medicine).....	E. B. Clifford.....	10,915	Apr. 5	109	1603
"Kid-Knee." (For Medicine).....	Associated Drug Co.....	11,477	Oct. 11	112	1473
"King of Patents." (For Flour).....	Empire Mills Co.....	11,619	Nov. 29	113	1413
"King Rambler." (For Clothing).....	Block Bros. Clo. Co.....	11,551	Nov. 8	113	545
"King's Oil Paste Harness Dressing." (For Dressing).....	F. M. Givens.....	11,172	June 21	110	2231
"King's Stop a Cough." (For Medicine).....	California Chemical Co.....	10,985	Apr. 19	109	2167
"Kink-Cure." (For Medicine).....	T. R. Bellamy.....	11,315	Aug. 16	111	1933
"Klenzene." (For Washing-Powder).....	Jarell and Turner.....	10,646	Jan. 5	108	285
"Klenzie." (For Cleaning Preparation).....	E. Johnson Company.....	11,130	June 28	110	2507
"Klorofil Dandruff Cure." (For Dandruff Cure).....	Klorofil Supply Co.....	11,414	Sept. 20	112	725
"Knights of Labor, Union Made Cigars." (For Cigars).....	Order of the Knights of Labor.....	11,380	Sept. 13	112	497
"Kola Chocolate." (For a Beverage).....	Liquid Carbonic Company.....	11,359	Aug. 2	111	1361
"Kola-Mint." (For a Beverage).....	Liquid Carbonic Company.....	11,240	July 12	111	577
"Koscusko." (For Cigars).....	J. Szypanski.....	10,321	Apr. 5	109	1603
"Kremelite." (For Medicine).....	W. B. Davis.....	10,769	Feb. 23	108	2141
"Kremo Dentine." (For Tooth-Powder).....	T. H. Marshall.....	10,692	Jan. 19	108	793
"Kuntz's Heidelberg Rheumatic Cure." (For Medicine).....	A. and A. Kuntz.....	11,082	May 3	110	903
"Kureline." (For Medicine).....	C. A. Lincoln.....	11,356	Aug. 30	111	2487
"Kuzri." (For Cigarettes).....	H. Rippert.....	11,553	Nov. 8	113	545
"L'Acadie." (For Olive-Oil).....	Acker, Merrill & Condit Company.....	10,749	Feb. 16	108	1867
"L-Marlucio." (For Cigars).....	H. J. Lewis.....	11,290	Aug. 2	111	1361
"L'Union Fait La Force." (For Hats).....	Crescent Hat Co.....	10,763	Feb. 23	108	2141
"La Anita." (For Cigars).....	Calvert Lithographing Co.....	11,038	May 17	110	855
"La Carolena." (For Cigars).....	C. B. Henschel & Co.....	11,518	Oct. 25	112	2090
"La Fabrega." (For Cigars).....	H. Sommers.....	11,410	Sept. 20	112	725
"La Fama Cubana De Tabacos." (For Cigars).....	Schmidt & Co.....	10,869	Mar. 22	109	1065
"La Malosa." (For Cigars).....	A. C. Henschel & Co.....	11,094	May 24	110	1165
"La Marica." (For Cigars).....	American Lithographic Company.....	10,674	Jan. 12	108	557
"La Marlew." (For Cigars).....	H. J. Lewis.....	11,130	June 7	110	1721
"La Marvita." (For Cigars).....	Schmidt & Co.....	11,552	Nov. 8	113	545
"La Rosa Favorita." (For Cigars).....	G. Flatauer.....	11,731	Dec. 27	113	2501
"La Soreno." (For Cigars).....	J. Bels' Son.....	11,576	Nov. 15	113	845
"Lafayette." (For Flour).....	J. D. Warren's Sons.....	10,926	Apr. 5	109	1603
"Lagima." (For Cigars).....	E. J. Lubovitz.....	10,665	Jan. 12	108	557
"Las Cremas Havana." (For Cigars).....	Schmidt & Co.....	11,406	Sept. 20	112	725
"Last Arrow." (For Cigars).....	C. B. Henschel Manfg. Co.....	10,666	Jan. 12	108	557
"Laughing Water Brand Corn." (For Corn).....	United States Printing Co.....	11,235	July 5	111	297
"Laughing Water Brand Tomatoes." (For Tomatoes).....	United States Printing Co.....	11,232	July 5	111	297
"Lawrence Hutton." (For Cigars).....	C. B. Henschel Mfg. Co.....	11,373	Sept. 13	112	497
"Laxative Syrup of Bananas." (For Medicine).....	J. P. McCann.....	11,708	Dec. 20	113	2211
"Lead Seal." (For Wire).....	John A. Roebeling's Sons Co.....	10,645	Jan. 5	108	285
"Lemon Soda." (For Lemon Soda).....	C. H. Schultz.....	11,580	Nov. 15	113	845
"Lieber's Hoosier Beer." (For Lager-Beer).....	Indianapolis Brewing Company.....	11,285	Aug. 2	111	1361
"Liebig's Red Cross Brand." (For Beef Extracts).....	Liebig Extract Company.....	11,105	May 31	110	1425
"Life-Malt." (For Malt Extract).....	N. Biever, Jr.....	10,981	Apr. 19	109	2167
"Lilac Blossoms." (For Toilet Water).....	Randolph Box and Label Co.....	11,015	May 3	110	303
"Lillemilch-Seife." (For Soap).....	G. Lohse.....	11,723	Dec. 20	113	2211
"Lily of the Valley." (For Extract).....	G. Lohse.....	11,721	Dec. 20	113	2211
"Limousin Chloridum." (For Medicine).....	C. A. Chapman.....	11,650	Dec. 6	113	1701
"Linen." (For Matches).....	Union Match Company.....	11,483	Oct. 11	112	1473
"Lipton Teas." (For Teas).....	T. J. Lipton.....	11,331	Aug. 23	111	2217
"Lipton's Perfection Coffee." (For Coffee).....	T. J. Lipton.....	11,330	Aug. 23	111	2217
"Lipton's Teas." (For Teas).....	T. J. Lipton.....	11,334	July 12	111	577
"Lipton's World-Record Coffee." (For Coffee).....	T. J. Lipton.....	11,245	July 12	111	577
"Liquid Salito Quinine." (For Liquid Quinin).....	Bass and Brother.....	11,238	July 19	111	803
"Liquid Sunshine." (For Beverages).....	L. D. Gardner.....	10,737	Feb. 9	108	1585
"Little Havana." (For Stogies).....	Clarksburg Stogie Co.....	11,174	June 28	110	2507
"Lochinvar Old Highland Scotch." (For Whisky).....	New York Importation Co.....	10,833	Mar. 15	109	803
"Lomat's High Grade Carbonated Beverages." (For Carbonated Beverages).....	Chicago Consolidated Bottling Company.....	11,146	June 14	110	2011
"Lomax's Original Pepsin Ginger Ale." (For Ginger-Ale).....	G. Lomax.....	11,468	Oct. 11	112	1473
"Lomax's Root Beer." (For Root-Beer).....	G. Lomax.....	11,467	Oct. 11	112	1473
"Lomax's Seltzer." (For Seltzer Water).....	G. Lomax.....	11,465	Oct. 11	112	1473
"Lomax's Sparkling Ginger Ale." (For Ginger-Ale).....	G. Lomax.....	11,470	Oct. 11	112	1473
"Lomax's Sparkling Lemonade." (For Lemonade).....	G. Lomax.....	11,466	Oct. 11	112	1473
"Los Preferos." (For Cigars).....	Schmidt & Co.....	11,405	Sept. 20	112	725
"Louisiana Beauty New Orleans Molasses." (For Molasses).....	C. E. Coe.....	10,648	Jan. 5	108	285
"Louisiana Purchase Souvenir Puzzle." (For Puzzles).....	L. F. Jordan.....	11,010	Apr. 26	109	2429
"Lubrikant." (For Sterilized Lubricant for Surgical Appliances).....	Hegeman & Co.....	11,593	Nov. 15	113	545
"Luebert's Nox 'Em, Nox 'Em Quick." (For Insecticides).....	A. G. Luebert.....	10,814	Mar. 8	109	547
"M. Waters' Spanish Velveta, a Pure Skin Food." (For Toilet Cream).....	M. Waters.....	11,542	Nov. 8	113	277
"Madame Roland's Parisienne Face Massage." (For Massage Preparations).....	B. T. Weyhing.....	11,020	May 3	110	303
"Magnolia Syrup." (For Syrup).....	Magnolia Syrup Co.....	11,606	Nov. 22	113	1141
"Major's Neu-Ral Pills." (For Medicine).....	J. M. Lemen.....	11,161	June 21	110	2231
"Malarine." (For Medicine).....	East India Chemical Co.....	11,022	May 9	110	303
"Maltinate." (For Medicine).....	A. L. Seale.....	11,022	Dec. 26	109	2439
"Maltone." (For Medical Compound).....	J. Jacobson.....	11,648	Dec. 6	113	1701
"Maltox." (For Malt and Hop Tonics).....	A. Wilmanns.....	11,559	Nov. 8	113	545

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Title.	Name.	No.	Date.	Official Gazette.	
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"Mann's Superior." (For Axes)	J. H. Mann	10,794	Mar. 1	109	273
"Mann's Vegetable Syrup." (For Medicine)	T. Dyer	11,031	May 3	110	303
"Mapo." (For Syrup)	D. P. Ingham	10,795	Mar. 15	109	803
March's Hair Health. (For Hair and Scalp Cleanser)	J. G. March	10,833	Mar. 15	109	803
"Marcion Tare Water." (For Still and Carbonated Waters)	Marcion-Tare Water Company	11,241	July 12	111	577
"Marguerite Cream Lotion." (For an Emollient Preparation.)	G. W. Smith	11,718	Dec. 20	113	2211
"Mark of Honor." (For Cigars)	Schmidt & Co	11,091	Dec. 20	113	2211
"Marlin Splits, Marlin Natural Mineral Water." (For Mineral Water.)	McBride & Taylor	11,145	Dec. 14	110	2011
"Marshallina the 20th Century Hair & Skin Tonic." (For a Toilet Preparation.)	J. M. Aboussleman	10,781	Mar. 1	109	273
"Martha Washington's Lily of the Valley Cream." (For Complexion-Cream.)	M. M. Benbow	10,694	Jan. 19	108	798
"Martin's Chili Con Carne." (For Relishes)	M. Dinuzzo	11,449	Oct. 4	112	1209
"Mauna Mountain." (For Coffee)	Acker, Merrill & Condit Company	10,683	Nov. 19	108	798
"Mayflower." (For Oat-Flakes)	Albers Bros. Milling Co	11,534	Jan. 1	113	277
"Mayville Perfecting Surface Offset Paper." (For Paper)	G. W. Millar & Co	11,320	Aug. 23	111	2217
"Mazepa Chocolates." (For Candy)	Voegelé and Dinning Co	11,728	Dec. 27	113	2237
"McGary's Universal Silver and Jewelry Polish." (For Cleaning and Polishing Compound.)	J. J. McGary	11,251	July 12	111	577
"McKinley Cough and Cold Cure." (For Medicine)	C. O. Larter	10,743	Feb. 16	108	367
"McKinley Tea." (For Medicine)	C. O. Larter	11,389	Sept. 13	112	497
"Medicated Charcoal Old Rye Whiskey." (For Whisky)	L. Stern & Co	10,725	Feb. 9	108	1585
"Meier's Cement." (For Cement)	H. H. Meier & Co	11,257	July 19	111	903
"Mercury Quick Drying Stamp Pad for Ink." (For Rubber Stamps.)	E. A. Ronaldson & Co	11,549	Nov. 1	113	277
"Merry Christmas Happy New Year." (For Cigars)	Schmidt & Co	11,093	Dec. 20	113	2211
"Merry War." (For Soap)	Ape City Soap Works	11,614	Nov. 22	113	1141
"Mexican Curio Candy." (For Candy)	Borden Importing Co	11,185	June 28	110	2507
"Miami." (For Baking-Powder)	Miami Baking Powder Co	11,278	July 26	111	1033
"Minkota." (For Canned Tomatoes)	Minnesota Canning Co	11,749	Dec. 27	113	2501
"Mme La Fougère's Crème des Roses." (For Cold-Cream)	L. P. Hill	10,939	Apr. 12	109	1883
"Moccasin Club." (For Whisky)	E. B. Gibson	11,381	Aug. 30	111	2217
"Moztozoe." (For Medicine)	M. Carnot	10,983	Apr. 19	109	2167
"Monogram." (For Aperient Water)	L. J. Nedd	11,242	July 12	111	577
"Monogram Red Rose Rouge." (For Rouge-Cloths)	Monogram Creme Co	11,720	Dec. 20	113	2211
"Monte Carlo." (For Card Games)	W. H. Draughon	11,040	May 10	110	597
"Monticello." (For Wine)	M. Cohen	11,046	May 10	110	597
"Montrose." (For Wine)	Peter Mueller Wine & Liquor Company	11,635	Nov. 29	113	1413
"Moonlight." (For Cigars)	American Lithographic Company	11,529	Nov. 1	113	277
"Mother's Mush." (For Mush)	O. Schellert	11,660	Dec. 6	113	1701
"Mother's Rest." (For Salve)	O. Wenzler	11,500	Oct. 18	112	1745
"Munro's Corded Ceramic." (For Tiling)	J. H. Munro and J. M. Van Orden	10,675	Jan. 12	108	557
"Mustaphan Oriental Shaving Mirror." (For Shaving-Mirrors.)	Charles J. Clark Manufacturing Company	11,753	Dec. 27	113	2501
"Mustard." (For Prepared Mustard)	H. J. Heinz Company	11,335	Aug. 23	111	2217
"Mustave." (For Toilet-Paper)	Scott Paper Co	11,402	Sept. 20	112	725
"Nadine Face Powder." (For Face-Powder)	National Toilet Co	11,051	Jan. 19	108	739
"Napoleon." (For Mantles)	Cluster Gas Light Co	11,575	Nov. 8	113	545
"Naphth." (For Soap)	Lautz Bros. & Co	11,677	Dec. 13	113	1965
"Naturezone." (For Hair-Tonic)	J. C. A. McDonald	11,041	May 10	110	597
"Nervana Nature's Greatest Tonic." (For Medicine)	Karsick Brothers	11,685	Dec. 13	113	1965
"Nervator Bitters." (For Bitters)	W. Slattery	11,090	May 24	110	1165
"Never Slip Rubberized Soles." (For Shoe-Soles)	Harrisburg Shoe Mfg. Co	10,842	Mar. 22	109	1065
"Newton." (For Cigars)	J. A. Posada	10,901	Mar. 29	109	1333
"Nigridine." (For Medicine)	F. C. Reighter	10,785	Mar. 1	109	273
"Nitro Club." (For Loaded Paper Shells)	Union Metallic Cartridge Co	11,372	Sept. 13	112	497
"Nitro Powder Solvent No. 9." (For a Cleaning Compound)	F. A. Hoppe	11,613	Nov. 22	113	1411
"Non Rustin." (For Sheet-Metal Ware)	Rochester Nonrust Tinware Co	10,818	Mar. 8	109	547
"Norland Club Pure Rye." (For Whisky)	M. Hanson	11,738	Dec. 27	113	2501
"Not Made by a Trust." (For Hats)	C. H. Merritt & Son	10,930	Apr. 12	109	1883
"Nox-All Soot." (For Soot-Destroyers)	T. D. Tarrant & Co	11,665	Dec. 6	113	1701
"Noxall Louse Killer." (For Insecticide)	Badger Chemical Company	10,711	Feb. 2	108	1325
"Nox-Tex." (For Preparation for the Breath)	Vandolah & Pullins	10,701	Jan. 26	108	1047
"No-Tres Flaked Wheat Food." (For Cereal Food)	Nox Chemical Co	11,325	Aug. 23	111	2217
"O. B. Nelson Sour Mash Whiskey." (For Whisky)	American Fine Art Co	10,837	Mar. 15	109	803
"Oat Cream." (For Toilet Cream)	Peter Mueller Wine & Liquor Company	11,630	Nov. 29	113	1413
"Obelisk of Pharaoh." (For Shawls and Scarfs)	A. Olsson	11,170	June 21	110	2231
"Odoricide." (For Toilet Lotion)	N. Naja	11,370	Sept. 13	112	497
"Oil of Radium." (For Medicine)	F. Leonhardt, J. F. Dunseith, and C. Friedgen	11,311	Aug. 16	111	1933
"Old Beechwood." (For Whisky)	E. Roberts	11,353	Aug. 30	111	2467
"Old Carolina Hand-Made Cheroots." (For Cheroots)	Vogt-Applegate Co	11,093	May 3	110	303
"Old Cumberland." (For Whisky)	R. M. Jeffreys Tobacco Co	11,165	June 21	110	2231
"Old Kaintuck." (For Cigars)	J. M. Collins	10,718	Feb. 2	108	1325
"Old Kentucky Bitters." (For Bitters)	H. G. Trompeter	10,687	Jan. 19	108	739
"Old Mission Apricot Brandy." (For Brandy)	W. D. Rea	11,128	June 7	110	1721
"Old Mission Preserving Co." (For Preserves, Jellies, Jams, Canned Fruits)	Golden Gate Fruit Co	11,584	Nov. 8	113	545
"Old Reliable Conductor." (For Cigars)	Old Mission Preserving Co	11,101	May 31	110	1425
"Old Sergeant." (For Whisky)	W. L. Hance	11,391	Aug. 2	111	1361
"Old St Whiskey." (For Whisky)	P. Brown	11,047	May 10	110	597
"Old Standard Germantown Lamp-Black." (For Lamp-blacks and Colors)	J. H. Duker & Bro. Co	11,655	Dec. 6	113	1701
"Old Tavern Club." (For Whisky)	L. Martin Company	10,843	Mar. 22	109	1065
"Old Tennessee Club." (For Whisky)	Krieger Bros	11,443	Oct. 4	112	1209
"Oleo." (For Soap)	S. S. Price	10,605	Nov. 20	113	1141
"Omega Headache Powders." (For Headache-Powders)	German American Soap Works	11,404	Sept. 20	112	725
"Ontario Soda Biscuit." (For Biscuits)	E. J. Huels	11,114	May 31	110	1425
"Orange Drip Syrup." (For Syrup)	Ontario Biscuit Company	10,857	Mar. 22	109	1065
"Organdie Glacé." (For Writing-Paper and Envelopes)	S. C. Leonard	10,976	Apr. 19	109	2167
"Oroform." (For Surgical Dressings)	Whiting Paper Company	11,545	Nov. 1	113	277
	Associated Drug Co	11,395	Aug. 9	111	1621

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"Oswald's Lettuce Headache Cure." (For Medicine)	A. E. Barrett	11,194	June 28	110	2507
"Ota-Coa." (For Breakfast-Food)	M. Loewenthal	11,187	June 28	110	2507
"Our Cost Mark." (For Flour)	United Grocery Company	11,099	May 24	110	1165
"Our Dollies." (For Picture-Blocks)	National Novelty Corporation	10,966	Apr. 19	109	2167
"Our First." (For Bleached Cotton)	J. M. Robinson, Norton & Co.	11,667	Dec. 6	113	1701
"Our Own." (For Bleached Cotton)	J. M. Robinson, Norton & Co.	11,668	Dec. 6	113	1701
"Our S & N Seal." (For Cigars)	V. A. Collins Cigar Co.	11,409	Sept. 20	112	725
"Ovaline." (For Toilet Preparation)	Tucker & Farnsworth	11,056	May 17	110	855
"Oyama." (For Tea)	Dailey & Moore	11,034	May 3	110	303
"Ozonets." (For Breath-Perfuming Candies)	L. Hesselroth	10,700	Jan. 26	108	1047
"P. B. Shoe Superior Quality Style." (For Shoes)	Paul Brothers	10,841	Mar. 22	109	1065
"P. M. Best 10 Year Old Maryland Rye Whiskey." (For Whiskey)	P. Malkan	10,866	Mar. 22	109	1065
"Palmitine Hair Tonic." (For Hair-Tonic)	B. Bowen & Company	11,016	May 3	110	303
"Paraiso Mineral Water." (For Mineral Water)	A. Scamell	10,935	Apr. 26	109	2439
"Parfumerie Exquisita Cold Cream Jack Haverly Extra Fine." (For Toilet Preparation)	E. Haverly	11,211	July 5	111	297
"Paride's Compound." (For Medicine)	P. Grasso	11,076	May 24	110	1165
"Paride's Emulsion." (For Medicine)	P. Grasso	11,071	May 24	110	1165
"Paride's Injection." (For Medicine)	P. Grasso	11,307	Oct. 16	111	1165
"Paride's Liqueur." (For Medicine)	P. Grasso	11,075	May 24	110	1165
"Paride's Magic-Fluid." (For Medicine)	P. Grasso	11,073	May 24	110	1165
"Paride's Miraculous." (For Medicine)	P. Grasso	11,072	May 24	110	1165
"Paride's Odontale." (For Medicine)	P. Grasso	11,074	May 24	110	1165
"Parisian Hair Restorer." (For Hair-Restorer)	L. Langtry	11,141	Oct. 25	112	3089
"Parker House Coffee." (For Coffee)	Reliable Tea Company	10,621	Jan. 6	108	285
"Parker Rye." (For Rye Whisky)	Oxford Distilling Co.	11,147	June 14	110	2011
"Parsifal Rye." (For Whisky)	A. A. Wolf & Co.	10,766	Feb. 23	108	2141
"Partagenos." (For Cigars)	American Lithographic Company ..	11,527	Nov. 1	113	277
"Payne's Alfalfa Molasses Feed." (For Alfalfa-Molasses Feed)	G. H. Payne	11,309	Aug. 10	111	1933
"Paynes Healing Powder." (For Healing-Powder)	Payne Drug Co.	11,274	July 26	111	1033
"Peachey." (For Tobacco)	J. S. Geller	11,377	Sept. 13	112	497
"Pearson's Wonderful Spavin Cure." (For Spavin Cure) ..	F. A. Pearson	11,458	Oct. 4	112	1209
"Peerless Spring Water." (For Water)	F. E. Walker	11,307	Aug. 16	111	1933
"Pell-Mell." (For Cleaning Compound)	F. Y. Limerick	11,373	Nov. 8	113	545
"Pepsimint." (For Medicine)	J. M. Toulson	11,316	Aug. 16	111	1933
"Perfect Jelly Powder." (For Jelly Powder)	O. J. Weeks & Co.	10,697	Jan. 26	108	1047
"Perfumed Antiseptic Hasoma." (For Toilet Cream)	T. Haswell	11,085	May 24	110	1165
"Perladona." (For Cigars)	A. C. Henschel & Co.	11,515	Oct. 25	112	3089
"Perpendicular A Straight Whiskey." (For Whisky)	Wheeler Moise & Co.	11,557	Nov. 15	113	845
"Persian Rose Pomade." (For Toilet Preparation)	J. M. Aboussleman	10,782	Mar. 1	109	273
"Peters Face Hardener." (For Toilet Preparation)	A. D. Peters	10,885	Mar. 22	109	1066
"Peter's The Original Milk-Chocolate." (For Milk Chocolate)	D. Peter	10,955	Apr. 12	109	1833
"Peter's The Original Milk-Chocolate." (For Milk Chocolate) ..	D. Peter	10,956	Apr. 12	109	1833
"Peterson's Anti-Tender Foot Shoe, The Natural Foot Cover." (For Boots and Shoes)	M. F. Peterson & Company	11,237	July 5	111	297
"Peterson's Bunion Relief." (For Bunion Remedies)	M. F. Peterson & Company	11,319	Aug. 16	111	1933
"Pheniquissal." (For Medicine)	T. J. Backes	11,137	June 14	110	2011
"Phillips' Genuine Home Made Sausage." (For Sausage-Meat)	J. Henning	11,532	Nov. 1	113	277
"Phillips' Scalp Lotion." (For Scalp-Lotion)	Phillips Medical Co.	10,710	Feb. 2	108	1325
"Pilot Boat." (For Confectionery)	E. W. Naylor	11,382	Sept. 13	112	497
"Pineapple Soda." (For Carbonated Beverages)	American Soda Fountain Company ..	10,936	Apr. 26	109	2439
"Pixine Veterinary Remedies." (For Veterinary Remedies) ..	Pixine Chemical Company	11,594	Nov. 15	113	845
"Plains Monarch." (For Cigars)	Schmidt & Co.	10,876	Mar. 22	109	1065
"Pluozon Mild." (For Medicine)	N. Khasan	11,354	Aug. 30	111	2457
"Poindexter's Tonic." (For Medicine)	A. A. Poindexter	10,767	Feb. 23	108	2141
"Polaris Brand." (For Canned Salmon)	R. D. Hume	10,960	Apr. 12	109	1833
"Politics." (For a Game)	W. A. T. Jones	10,711	Feb. 16	108	1867
"Pomona." (For Edible Oils)	J. Manheimer	11,005	Dec. 20	113	2211
"Pompeian Massage Cream and Skin Food." (For Massage-Cream and Skin-Food)	F. W. Stecker	11,019	May 3	110	303
"Pompeian Massage Soap." (For Soap)	F. W. Stecker	11,017	May 3	110	303
"Pompeian Massage Soap." (For Soap)	F. W. Stecker	11,018	May 3	110	303
"Poppies." (For Bleached Cotton Goods)	Taylor, Wendell & Co.	11,670	Dec. 6	113	1701
"Poppy Brand." (For Deciduous Fruits)	Carty, Mathena & Co.	11,346	Aug. 30	111	2457
"Portland Pennsylvania Cement." (For Portland Cement) ..	Pennsylvania Cement Company	10,676	Jan. 12	108	557
"Prairie Blossom." (For Ham)	Schmidt & Co.	10,868	Mar. 22	109	1065
"Prairie Chief." (For Flour)	Western Flour Mill Co.	11,304	Aug. 16	111	1933
"Prairie Rose." (For Candy)	Gillen & Boney	11,621	Nov. 29	113	1413
"Pratt's La Grippe Tonic." (For Medicine)	Royal Queen Remedy Company	11,034	Dec. 13	113	1965
"Pratt's Root and Plant Stomach Cure." (For Medicine) ..	Royal Queen Remedy Company	11,083	Dec. 13	113	1965
"Preferred Ham." (For Ham)	Armour Packing Co.	10,854	Mar. 22	109	1065
"Premium Brand." (For Butter)	C. Schallinger	10,858	Mar. 22	109	1065
"Premium Brand." (For Butter)	C. Schallinger	10,859	Mar. 22	109	1065
"Premium Brand." (For Butter)	C. Schallinger	10,860	Mar. 22	109	1065
"Premium Getreide-Kümmel." (For Kümmel)	Peter Mueller Wine & Liquor Company ..	11,636	Nov. 29	113	1413
"Preservaline, a Perfect Preservative for All Kinds of Pure Food." (For a Preservative)	Preservaline Manufacturing Company ..	11,337	Aug. 23	111	2217
"Pride of Reidsville." (For Smoking-Tobacco)	R. Harris & Bro.	10,973	Apr. 19	109	2167
"Primeros Cigars." (For Cigars)	Central Lithograph Co.	10,949	Apr. 12	109	1833
"Princess Hose." (For Hose)	C. Chipman's Sons	11,235	July 12	111	577
"Private Stock." (For Whisky)	J. M. Cranston	11,471	Oct. 11	112	1475
"Probin." (For Pills)	K. Weinreb	10,778	Feb. 23	108	2141
"Prosperity." (For Cigars)	Schmidt & Co.	10,806	Mar. 8	109	547
"Protazote." (For Medicine)	A. L. Muirhead	10,914	Apr. 5	109	1603
"Pure-o Cream." (For Toilet Cream)	United States Medical Dispensary ..	11,479	Oct. 11	112	1475
"Pure-o Soap." (For Soap)	United States Medical Dispensary ..	11,480	Oct. 11	112	1475
"Pure Sisal Twine." (For Twine)	International Harvester Company of America ..	10,912	Apr. 5	109	1603
"Purina Pankake Flour." (For Pancake-Flour)	Ralston Purina Co.	11,445	Oct. 11	112	1209
"Puritana." (For Prepared Cereal Food)	National Puritana Company	11,476	Oct. 11	112	1475

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"Purity." (For Cigars).....	O. L. Schwenneke Lithographic Co.	11,494	Oct. 18	112	1745
"Purity Brand Condensed Milk." (For Condensed Milk).....	United States Condensed Milk Co.	10,836	Mar. 15	109	803
"Purity Extracts Vanilla Compound." (For Vanilla Extract).....	C. J. Black.....	11,657	Dec. 6	113	1701
"Puro Fino Cigarros." (For Cigars).....	Central Litho. Co.....	10,671	Jan. 12	108	537
"Purok." (For Bottled Water).....	Charles E. Hires Company.....	10,696	Jan. 30	108	1047
"Puros Cigar." (For Cigars).....	Central Lithograph Co.....	10,895	Mar. 29	109	1333
"Puros Cigarros." (For Cigars).....	Central Lithograph Company.....	10,948	Apr. 12	109	1383
"Puros Cigarros." (For Cigars).....	Central Lithograph Company.....	10,950	Apr. 12	109	1383
"Puros Fino Cigarros." (For Cigars).....	Central Lithograph Co.....	10,881	Mar. 22	109	1065
"Quakeress Hose." (For Hosiery).....	C. Chipman & Sons.....	11,253	July 12	111	577
"Quality Our Motto." (For Seed-Potatoes).....	Johnson Seed Potato Co.....	10,732	Feb. 9	108	1385
"Queen Chic." (For Cigars).....	Schmidt & Co.....	11,694	Dec. 20	113	2311
"Quicksel." (For Toilet-Paper).....	Scott Paper Co.....	11,374	Sept. 13	112	497
"Race King." (For Cigars).....	Schmidt & Co.....	10,870	Mar. 22	109	1065
"Radium." (For Soap).....	Gerhard & Boehning.....	10,928	Apr. 5	109	1603
"Radium Mantle." (For Gas-Mantles).....	H. A. Keefer.....	10,963	Apr. 12	109	1383
"Radium Polish." (For Cleaning and Polishing Compound).....	Sanitary Chemical Company.....	11,417	Sept. 30	112	725
"Radium Water." (For Water).....	Claremore Radium Wells Sanitarium Co.....	11,439	Oct. 4	112	1209
"Rainbow." (For Washing-Machines).....	Bluffton Mfg. Co.....	11,256	July 12	111	577
"Ralston Breakfast Food." (For Breakfast Food).....	Ralston Purina Co.....	11,440	Oct. 4	112	1209
"Ralston Health Barley Food." (For Granular-Barley Food Preparations).....	Ralston Purina Co.....	11,475	Oct. 11	112	1475
"Ralston Hominy Grits." (For Hominy).....	Ralston Purina Co.....	11,474	Oct. 11	112	1475
"Ramsey Mexican Sea Salt Shampoo Massage." (For Toilet Preparation).....	W. J. Ramsey.....	10,662	Jan. 12	108	537
"Ravenlock Hair Tonic and Scalp Vitalizer." (For Hair-Tonic).....	F. H. McGuire.....	11,198	June 28	110	2507
"Real Egg Shampoo." (For Shampoo).....	Thomassin Bros. & Co.....	11,087	May 24	110	1165
"Real and White." (For Beer).....	A. Willmanns.....	10,864	Mar. 22	109	1065
"Real Berry Brand." (For Canned Goods, Foods, and Relishes).....	J. J. Loughery.....	11,186	June 28	110	2507
"Red Cross." (For Mattresses).....	Southern Spring Bed Co.....	11,671	Dec. 6	113	1701
"Red Feather." (For Incandescent Mantles).....	Raritan Mantle Co.....	11,189	June 28	110	2507
"Red Fox Rye Whiskey." (For Whisky).....	Peter Mueller Wine & Liquor Company.....	11,631	Nov. 29	113	1413
"Red Ribbon Cocoa." (For Cocoa).....	Runkel Brothers.....	10,748	Feb. 16	108	1867
"Red Rose." (For Tea).....	J. Whitehouse.....	10,903	Mar. 29	109	1333
"Red Top." (For Axes and Edge-Tools).....	Mann Edge Tool Co.....	10,798	Mar. 1	109	273
"Rezal Brand Condensed Milk." (For Condensed Milk).....	United States Condensed Milk Co.....	10,975	Apr. 19	109	2167
"Regal Lager." (For Lager-Beer).....	W. G. Heathfield.....	11,703	Dec. 20	113	2311
"Regina." (For Music-Boxes).....	Regina Music Box Co.....	11,011	Apr. 26	109	2139
"Reissmann's A. B. C. Ruler." (For Rulers).....	F. Reissmann.....	10,968	Apr. 19	109	2167
"Reissmann's Perfection Miter Scale." (For Rulers).....	F. Reissmann.....	10,969	Apr. 19	109	2167
"Rejuvenator Medicine Co." (For Medical Preparations).....	S. E. Tillinghast.....	10,703	Jan. 26	108	1047
"Relegud." (For Toilet Paper).....	Scott Paper Co.....	11,375	Sept. 13	112	497
"Reliance." (For Fish).....	Davis Bros.....	11,673	Dec. 13	113	1965
"Reliance Fireproofing Compound." (For Fireproofing Chemical Compound).....	K. P. Rowe.....	11,360	Sept. 6	112	247
"Renewed Life Cure." (For Medicine).....	Renewed Life Company.....	11,065	May 17	110	855
"Reuter's Soap." (For Soap).....	R. J. W. O. Barclay.....	11,434	Oct. 4	112	1209
"Rheumol, The Monarch Cure." (For Medicine).....	J. H. De Giorgi.....	10,654	Jan. 5	108	285
"Rhinol Cream." (For a Chemical Ointment).....	Rhinol Chemical Co.....	11,250	July 12	111	577
"Richardson's Tolu-Pine." (For Medicine).....	W. S. Richardson.....	10,944	Apr. 12	109	1383
"Richie's Honey-Wine, Mel Venum." (For Honey-Wine).....	A. V. Kouba.....	11,159	June 21	110	2321
"Rising Star." (For Baking-Powder).....	Wabash Chemical & Baking Powder Co.....	11,329	Aug. 23	111	2217
"Roach Rest." (For Roach-Powder).....	H. C. Fueller Drug Co.....	10,920	Apr. 5	109	1603
"Rooleofette." (For Hats).....	H. I. Ireland.....	10,780	Mar. 1	109	273
"Roman Massage Cream and Skin Food." (For Toilet Preparation).....	Booth Manufacturing Co.....	11,312	Aug. 16	111	1933
"Rood's Good Enough." (For Popcorn).....	Colorado Confectionery Company.....	11,129	June 7	110	1721
"Rose Buds." (For Medicine).....	E. E. Williams.....	11,709	Dec. 30	113	2311
"Rose Pomade." (For Pomade).....	S. G. Hayeck.....	11,043	May 10	110	597
"Rosemount." (For Whisky).....	Quirin Brothers.....	11,565	Nov. 8	113	545
"Rose's Best." (For Snuff).....	J. Rose.....	10,747	Feb. 16	108	1867
"Rosette Irons." (For Cake-Irons).....	Alfred Andresen & Co.....	11,374	Nov. 8	113	545
"Rosin Skin Food." (For Skin-Food).....	M. Williams.....	11,610	Nov. 22	113	1141
"Royal Bengal Stove Polish." (For Stove-Polish).....	Faulhaber Chemical Co.....	10,713	Feb. 2	108	1325
"Royal Cabinet." (For Cigars).....	M. Cohen.....	11,108	May 31	110	1425
"Royal Crown Stomach Bitters." (For Bitters).....	Peter Mueller Wine & Liquor Company.....	11,637	Nov. 29	113	1413
"Royal Fruit." (For Cigars).....	H. Sommer.....	11,246	July 12	111	577
"Royal Iris." (For Cigars).....	American Lithographic Co.....	10,828	Mar. 15	109	803
"Royal Iris." (For Cigars).....	American Lithographic Co.....	10,829	Mar. 15	109	803
"Royal Maximum." (For Crème de Menthe Glaciale).....	Bouche Filis & Co., C. Gauthier & Co., Successors.....	11,584	Nov. 15	113	845
"Royale." (For Massage-Cream).....	Royale Chemical Co.....	10,736	Feb. 9	108	1385
"Rozaleaf Cream." (For a Toilet Preparation).....	F. A. Nader.....	11,719	Dec. 20	113	2311
"Russet Cigar." (For Cigars).....	G. H. Crouss.....	11,524	Nov. 1	113	277
"Ruxmoore Pure Rye—Maryland's Pride." (For Whisky).....	Peter Mueller Wine & Liquor Company.....	11,628	Nov. 29	113	1413
"S. B. Clark's Nicest Biscuit, New York." (For Biscuits).....	S. B. Clark.....	11,608	Nov. 22	113	1141
"Sage-in-a-Mountain Sage Tonic." (For Medicine).....	Rocky Mountain Sage Tonic Co.....	11,270	July 26	111	1033
"S. Baum." (For Cigars).....	G. Drevery.....	11,530	Nov. 1	113	277
"Sail and Sail." (For Cigars).....	Schmidt & Co.....	10,875	Mar. 22	109	1065
"Salax." (For Mineral Water).....	E. Roberts.....	10,685	Jan. 19	108	738
"Salax." (For Medicine).....	F. L. McClintic.....	10,688	Jan. 19	108	738
"Salitounine." (For Medicine).....	A. J. Stovall.....	11,452	Oct. 4	112	1209
"Sativor Salve." (For Salve).....	G. Flanagan.....	10,811	Mar. 8	109	547
"Summarytain." (For Liniment).....	M. Wyzkowski.....	11,339	Aug. 23	111	2217
"San Souci, The Leader." (For Cigars).....	E. Stutz.....	11,625	Nov. 29	113	1413
"San Toy." (For Cigars).....	J. Ditz.....	10,650	Jan. 5	108	285
"Santalol." (For Proprietary Medicine).....	Hegeman & Co.....	11,592	Nov. 15	113	845
"Santol." (For Medicine).....	H. E. Kelyt.....	10,690	Jan. 19	108	793

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"Sapolin Floor Stains." (For Floor-Stains).....	Gerstendorfer Bros	11,530	Oct. 25	112	2069
"Sarrana." (For Chili-Sauce).....	S. M. Huber	11,658	Nov. 4	113	1701
"Sarsaparilla." (For Sarsaparilla).....	C. H. Schultz	11,581	Nov. 15	113	845
"Save-al, Egg-Preservative." (For Egg-Preservative).....	Cyphers Incubator Co	11,248	July 12	111	577
"Scale Off Boiler Compound." (For Boiler-Compound Powder).....	Howard Chemical Company	10,793	Mar. 1	109	273
"Scalpia." (For Dandruff Cure).....	Westchester Drug Co	10,886	Mar. 22	109	1065
"Scalpine." (For a Hair-Tonic).....	J. A. Rohrbach	11,084	May 24	110	1165
"Scalpine." (For Hair-Tonic).....	J. J. Biello	11,644	Nov. 29	113	1413
"Schmalz's Sunrise Bread." (For Bread).....	J. Schmalz's Sons	11,259	July 19	111	803
"Schratz's Oriental Bath Powder." (For Bath-Powder).....	V. E. Schratz	11,324	Aug. 23	111	2217
"Schuster's Malt and Hop Tonic." (For Malt and Hop Tonic).....	A. Wilmanns	10,904	Mar. 29	109	1333
"Scopaco." (For Toilet-Paper).....	Scott Paper Co	11,401	Sept. 30	112	725
"Sea Foam." (For Ammonia).....	W. W. and C. C. Jenkins	11,681	Dec. 13	113	1965
"Sea Gull." (For Flour).....	B. F. Glover & Son Com. Co	11,676	Dec. 13	113	1965
"Seaborg's Royal Chinook." (For Salmon).....	Seaborg Packing Co	11,447	Oct. 4	112	1209
"Search Light." (For Mantles).....	Liberty Incandescent Light Co	11,302	Aug. 9	111	1621
"Seed Bolls from Our Potato Fields." (For Seed-Potatoes).....	Johnson Seed Potato Co	10,678	Jan. 19	108	793
"Selected Brut * G. H. Mumm & Co." (For Champagne).....	G. H. Mumm & Co	11,110	May 31	110	1425
"Selected Brut * G. H. Mumm & Co." (For Champagne).....	G. H. Mumm & Co	11,111	May 31	110	1425
"Selters." (For Mineral Water).....	C. H. Schultz	11,510	Oct. 25	112	2069
"Seiz." (For Toilet-Paper).....	Scott Paper Co	11,403	Sept. 20	112	725
"Sevate." (For Whisky).....	J. R. Stonebraker & Co	10,977	Apr. 19	109	2167
"Shamrock." (For Tea).....	H. J. Terwilliger	11,543	Nov. 1	113	277
"Shamrock Flazette." (For Handkerchiefs).....	Milliken, Tomlinson Co	10,790	Mar. 1	109	273
"Sheffield's Blue Band Coffee." (For Coffee).....	Acheson Harden & Co	10,821	Mar. 15	109	803
"Sheffield's Gold Band Coffee." (For Coffee).....	T. A. Sheffield & Co	11,485	Oct. 18	112	1745
"Sheffield's Old Homestead Java and Mocha Coffee." (For Coffee).....	T. A. Sheffield & Co	11,486	Oct. 18	112	1745
"Sheffield's Old Homestead Java and Mocha Coffee." (For Coffee).....	T. A. Sheffield & Co	11,487	Oct. 18	112	1745
"Sheffield's Red Lion Tavern Coffee." (For Coffee).....	T. A. Sheffield & Co	11,521	Nov. 1	113	277
"Shine-O." (For Metal-Polish).....	M. H. Sasburger	11,750	Dec. 27	113	2501
"Sign Painters' Spirit Lamp Black." (For Lampblacks and Colors).....	L. Martin Company	10,848	Mar. 22	109	1065
"Silvalusta." (For Polish).....	T. K. Leslie	11,064	May 17	110	855
"Silver Slipper Chop." (For Tea).....	P. Baumgarten	11,604	Nov. 22	113	1411
"Simon Pure." (For Baking-Powder).....	Gilliland Baking Powder Co	10,516	Mar. 8	109	517
"Sing-Gensenz." (For Tonics).....	G. L. Wilson	11,640	Nov. 29	113	1413
"Skilled Labor of America." (For Hats).....	C. H. Merritt & Son	10,935	Apr. 12	109	1883
"Skin Klear." (For Cosmetics).....	Skin Klear Complexion Co	11,296	Aug. 9	111	1621
"Slam's Lemon Lotion." (For Toilet Preparation).....	Slater Manufacturing Company	10,813	Mar. 8	109	547
"Sloat's Distemper Cure." (For Medicine).....	G. V. Sloat, Jr	10,888	Mar. 22	109	1066
"Smith's Tender Joint Shoe." (For Shoes).....	C. G. Smith	10,820	Mar. 15	109	803
"Smoke Up." (For Stogies).....	Clarksburg Stogie Co	11,557	Nov. 8	113	545
"Smoker's Teeth Powder." (For Tooth-Powder).....	Weaver Conger Company	10,834	Mar. 15	109	803
"Smoker's Tooth Paste." (For Tooth-Preserving Compound).....	A. M. Pearson	11,425	Sept. 27	112	951
"Smoker's Tooth Powder." (For Tooth-Preserving Compound).....	A. M. Pearson	11,426	Sept. 27	112	951
"Smoker's Tooth Soap." (For Tooth-Preserving Compound).....	A. M. Pearson	11,428	Sept. 27	112	951
"Smoker's Tooth Wash." (For Tooth-Preserving Compound).....	A. M. Pearson	11,427	Sept. 27	112	951
"Smoth's Cold Cream." (For Cold-Cream).....	H. F. Smoth	11,086	May 24	110	1165
"Smyrna, Turkey Pig Syrup." (For Fig Syrup).....	G. P. Frysinger, Sr	11,738	Dec. 27	113	2501
"Snap-a-Jack." (For Popcorn, Peanuts, Cocoonut, and Candy).....	Leonard & Huff	11,567	Nov. 8	113	545
"Snider's Pork and Beans." (For Pork and Beans).....	T. A. Snider Preserve Co	11,597	Nov. 15	113	845
"Snow Flake." (For Marshmallows).....	Burgess Mfg. Co	11,568	Nov. 8	113	545
"Sober Up." (For Cure for Alcoholism).....	Sober Up Chem'l Co	11,572	Nov. 8	113	545
"Sole Saver." (For Waterproof Dressing for Leather).....	W. H. Martin	11,547	Nov. 1	113	277
"Sonatura." (For Cigars).....	G. Del Pino y Ca	11,435	Oct. 4	112	1209
"Southern Cross." (For Coffee).....	Hewlett & Hewlett	11,035	May 3	110	303
"Speckled-Henn." (For Candy).....	Henn & Speck Co	11,276	July 26	111	1033
"Speidel's Anti-Taenia." (For Medicine).....	C. Speidel	11,454	Oct. 4	112	1209
"Sphinx Tablets. Arabia Specific." (For Dyspepsia-Tablets).....	Oriental Remedy Co	11,505	Oct. 25	112	2069
"Spritznyme or Lactic Caseose." (For Milk Food).....	P. D. Spiron	11,352	Aug. 30	111	2487
"Sponge Loaf." (For Baking-Powder).....	Wabash Baking Powder Co	10,663	Jan. 12	108	557
"St. Anthony Salve." (For Salve).....	J. H. Short	11,455	Oct. 4	112	1209
"St. Denis." (For Cigars).....	W. K. Steele	11,729	Dec. 27	113	2501
"St. Kleen." (For Toilet-Purposes).....	J. C. Dowd & Co	11,190	June 23	110	2507
"Staak's Sweet Clover Chocolates." (For Candy).....	F. Staak, Jr	10,405	Mar. 29	109	1333
"Star Condition Powder." (For Condition-Powders).....	A. Kolb	11,711	Dec. 20	113	2211
"Star Glove Softener." (For Glove-Softeners).....	Adams & Foster	11,055	May 17	110	855
"Starkwather's Dreamland Interlined Pillow." (For Pillows).....	O. B. Starkwather	11,266	July 19	111	803
"Starlight." (For Flour).....	B. F. Glover & Son Com. Co	11,675	Dec. 13	113	1965
"Startwell." (For Cigars).....	Schmidt & Co	10,877	Mar. 22	109	1065
"Stock Cigar." (For Cigars).....	Schmidt & Co	10,953	Apr. 12	109	1883
"Storm King." (For Cigars).....	G. A. Waring	11,424	Sept. 27	112	951
"Strawberry Massage Cream and Skin Food." (For Toilet Preparation).....	Booth Manufacturing Co	11,313	Aug. 16	111	1933
"Stricker's Paste." (For Paste).....	H. H. Stricker & Co	10,927	Apr. 5	109	1603
"Sugar Glen." (For Molasses).....	C. E. Coe	10,993	Apr. 26	109	2439
"Sugar Soap." (For Soap).....	Sugar Soap Company	11,398	Sept. 20	112	725
"Sulphurine." (For Medicine).....	East India Chemical Co	11,024	May 3	110	303
"Sultan's Favor." (For Perfums).....	S. G. Hays	11,042	May 10	110	597
"Sun Flower Rock Candy Cough Syrup." (For Cough-Syrup).....	Weneker Chemical Co	10,657	Jan. 5	108	285
"Sunny Side Pork and Beans." (For Pork and Beans).....	Tip Top Ketchup Co	11,607	Nov. 22	113	1411
"Sunnays Baltimore Rye." (For Rye Whisky).....	Pederson Mercantile Co	11,620	Nov. 23	113	1413
"Super-Cure." (For Medicine).....	H. H. Culver	11,113	May 31	110	1425
"Superiores Cigarras." (For Cigars).....	Central Litho. Co	10,668	Jan. 12	108	557
"Superlative Hair Restorer." (For Hair-Restorer).....	C. M. Packer	11,739	Dec. 27	113	2501

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"Suwanee Pure Rye Whiskey." (For Whisky)	Peter Mueller Wine & Liquor Company.	11,632	Nov. 29	113	1413
"Swan Island Brand." (For Canned Salmon)	C. L. Benson	10,679	Jan. 19	108	793
"Swansdown Prepared Table Salt." (For Table-Salt)	S. S. Pierce Co.	10,960	Apr. 26	109	2482
"Sweet Nip." (For Cigars)	A. C. Henschel & Co.	11,517	Oct. 25	112	2089
"Sweet Peggy." (For Crystallized Popcorn)	Felham and Foster	11,036	May 3	110	303
"T. C. S. Co.'s Cubans." (For Stogies)	Clarksburg Stogie Co.	11,175	June 28	110	2507
"T. C. S. Co.'s Old Plantation Havana Cigars." (For Cigars)	Clarksburg Stogie Co.	11,176	June 28	110	2507
"T. M. Kildow Cigar, Bethesda, Ohio." (For Cigars)	Central Lithograph Co.	11,379	Sept. 13	112	497
"T. M. Kildow's Half Spanish Cigars." (For Cigars)	T. M. Kildow Cigar Co.	11,421	Sept. 27	112	951
"Tarbelle Whiskey." (For Whisky)	P. McIntyre	10,832	Mar. 15	109	803
"Tarpon Maryland Rye Whiskey." (For Whisky)	J. R. Stonebraker & Co.	10,954	Apr. 12	109	1883
"Tastewell." (For Whisky)	Green Mountain Distillery	11,148	June 14	110	2011
"Tenderfoot." (For Hosiery)	J. H. Clark	11,321	Aug. 23	111	2217
"That's It." (For Meat Extracts)	Amour & Company	11,104	May 31	110	1425
"The Ault & Wiborg Non-Filling Typewriter Ribbons." (For Type-Writer Ribbons)	Ault & Wiborg Co.	11,153	June 14	110	2011
"The Barry Saw." (For Saws)	Barry Saw Co.	11,054	May 10	110	597
"The Beer You Like." (For Lager-Beer)	N. Biever, Jr.	11,924	Oct. 9	109	1689
"The Buster Brown Belt and Buckle." (For Belts and Buckles)	E. & J. Bass	10,698	Jan. 26	108	1047
"The Clipper Clip." (For Paper-Clips)	Clipper Manufacturing Company	10,704	Jan. 26	108	1047
"The Corker." (For Shingles)	Allen Lumber Co.	10,677	Jan. 12	108	557
"The Cornflower Girl." (For Fancy Boxes)	W. Flad	11,603	Nov. 15	113	845
"The Ever Ready." (For Cigars)	Cluster Gas Light Company	11,687	Dec. 13	113	1965
"The Famous Sunbury Creamery Butter." (For Butter)	Sunbury Co-operative Creamery Co.	10,974	Apr. 19	109	2167
"The Famous Sunbury Creamery Butter." (For Butter)	Sunbury Co-operative Creamery Company.	11,163	June 21	110	2231
"The Fay Clip." (For Paper-Clips)	Clipper Manufacturing Company	10,705	Jan. 26	108	1047
"The Flance." (For Mantles)	Liberty Incandescent Light Co.	10,724	Feb. 9	108	1585
"The Gem Clip." (For Paper-Clips)	Clipper Manufacturing Company	10,706	Jan. 26	108	1047
"The Goods." (For Cigars)	Schmidt & Co.	11,696	Dec. 20	113	2211
"The Great American Blood and Nerve Tonic." (For Medicine)	W. S. Renn	11,160	June 21	110	2231
"The Great Labor Saver." (For Washing Compound)	Beck, Gilbert & Co.	11,300	Aug. 9	111	1621
"The Highland Brand." (For Caps for Boys and Girls)	A. Rosenberg & Son	11,133	June 14	110	2011
"The Ideal Deodorant." (For Antiseptic Deodorants)	Victoria Toilet Co.	11,507	Oct. 25	112	2089
"The International Hygienic Mattress." (For Mattresses)	A. Soehner	11,132	June 7	110	1721
"The La Grange." (For Mineral Water)	V. H. Thomas	10,973	Apr. 19	109	2167
"The Lightaig Fire Extinguisher." (For Fire-Extinguishers)	Suffolk Chemical Co.	10,840	Mar. 15	109	803
"The Magic Curler." (For Hair-Curlers)	J. B. Hall	10,822	Mar. 15	109	803
"The McKinley Charcoal Headache Cure." (For Medicine)	C. O. Larter	11,168	June 21	110	2231
"The Merchant Prince." (For Cigars)	J. J. Schmidt	10,827	Mar. 15	109	803
"The Morris Piano Bench." (For Piano-Benches)	L. D. Morris	11,460	Oct. 4	112	1209
"The Niagara Clip." (For Paper-Clips)	Clipper Manufacturing Company	10,707	Jan. 26	108	1047
"The Patent Warrior Garter Top Hose No. 1313." (For Hosiery)	M. & C. Mayer	11,550	Nov. 8	113	545
"The Perfect Brew." (For Bottled Beer)	Monumental Brewing Co. of Baltimore City.	11,157	June 21	110	2231
"The Phoenix Whalebone Whip." (For Whips)	Phoenix Manufacturing & Supply Company.	11,151	June 14	110	2011
"The Pike Whiskey." (For Whisky)	Stolz Bros.	11,238	July 12	111	577
"The Pit." (For Cigars)	Schmidt & Co.	11,355	Nov. 8	113	545
"The Poppy Girl." (For Fancy Boxes)	W. Flad	11,601	Nov. 15	113	845
"The Post Office Writing Tablet." (For Writing-Tablets)	R. R. Nickerson	11,125	Dec. 20	113	2211
"The President's Inauguration Cup." (For Cups)	F. N. Osborne	11,721	June 7	110	1721
"The Rectucura Company." (For a Remedy)	Rectucura Remedy Company	11,317	Aug. 16	111	1933
"The Red Star Liniment." (For Liniment)	E. F. Pingel	11,306	Oct. 25	112	2089
"The Rose Girl." (For Fancy Boxes)	W. Flad	11,600	Nov. 15	113	845
"The Sentry Box." (For Newspaper Articles)	C. W. Post	10,779	Mar. 1	109	273
"The Shepard Singmore Music Card." (For Music-Cards)	A. A. Shepard	11,661	Dec. 6	113	1701
"The Shepard Singmore Music Dominoes." (For Music-Dominoes)	A. A. Shepard	11,662	Dec. 6	113	1701
"The Smith Manure Spreader." (For Manure-Spreaders)	Smith Manure Spreader Co.	11,727	Dec. 20	113	2211
"The St. Louis Borax Soap Chips." (For Soap)	St. Louis Soap Co.	11,118	May 31	110	1425
"The Texas Stockman." (For Cigars)	W. J. Lytle	11,044	May 10	110	597
"The Tramp \$2.50." (For Cigars)	May Co.	10,644	Jan. 5	108	285
"The Twentieth Century Medical Discovery, Muller's Gall Stone Cure." (For Medicine)	J. Muller	11,456	Oct. 4	112	1209
"The Violet Girl." (For Fancy Boxes)	W. Flad	11,602	Nov. 15	113	845
"The Whistler." (For Cigars)	P. A. Gerke	10,900	Mar. 29	109	1333
"The XX Axe." (For Axes and Edge-Tools)	Maan Edge Tool Co.	10,795	Mar. 1	109	273
"Three Minute Plum Pudding." (For a Food Preparation)	A. T. Knapp	10,888	Mar. 15	109	803
"Thurston's Synthetic Shellac." (For Shellac Varnish)	F. W. Thurston	11,548	Nov. 1	113	977
"Ticknor's Magic Capsules." (For Medicine)	G. Ticknor	11,271	July 26	111	1033
"Togo Tonic." (For Medicine)	Togo Wine Co.	11,682	Dec. 13	113	1965
"Toko Point Perfecto." (For Cigars)	C. H. Sonntag	10,803	Mar. 8	109	547
"Toko Bathing Tablets for a Toko Bath." (For Bathing-Tablets)	A. A. Genereux	11,663	Dec. 6	113	1701
"Toledo Flakes." (For Flakes)	Toledo Biscuit Company	10,682	Jan. 19	108	793
"Torch Black or Commercial Black." (For Lampblacks and Colors)	L. Martin Company	10,545	Mar. 22	109	1065
"Tourist." (For a Card Game)	J. Luepke	11,755	Dec. 27	113	2501
"Tower's Genuine Original Cancer and Scrofula Syrup." (For Medicine)	C. M. Tower	10,735	Feb. 9	108	1585
"Towel's Frickelau Top Syrup." (For Table-Syrup)	Towel Syrup Company	11,103	May 31	110	1425
"Towel's Preferred Soft Sugar Syrup." (For Table-Syrup)	Towel Syrup Company	11,102	May 31	110	1425
"Tretz's Eehes Todes Land-Brot." (For Bread)	J. Tretz	11,595	Nov. 15	113	845
"Trésor de la Santé, Pour les Femmes Pales et Faibles." (For Medicinal Compound for Women)	J. P. Roulier	11,561	Nov. 8	113	545
"Tribe of the Mac-O-Che." (For Cigars)	La Hilda Cigar Factory	10,714	Feb. 2	108	1325
"Triplet Brand Corn." (For Corn)	United States Printing Co.	11,331	July 5	111	297
"Triplet Brand Tomatoes." (For Tomatoes)	United States Printing Co.	11,321	July 5	111	297

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"Triscuit." (For Bread).	Natural Food Co	10,855	Mar. 22	109	1065
"Triumph." (For Yarns)	Wm. H. Horstmann Company.	10,861	Jan. 12	108	557
"Trust Fighters." (For Cigars, Cigarettes, and Tobacco).	I. Latzar.	10,717	Feb. 2	108	1325
"Tryme-e." (For Washing-Powder)	A. B. Walters.	11,418	Sept. 20	112	725
"Tuffler." (For Toilet-Paper)	Scott Paper Co	10,945	Apr. 12	109	1883
"Turkish Carbon India Ink." (For India-Ink)	H. L. Malco.	11,519	Oct. 25	112	2089
"Turkish Root Tooth Powder." (For Tooth-Powder)	S. Isaacs.	11,632	Dec. 6	113 ¹	1701
"Turkish Student Egyptian Cigarettes." (For Cigarettes).	I. B. Krinsky.	11,438	Oct. 4	112	1209
"Turner's Brazilian Bitters." (For Medicine)	J. Turner.	11,508	Oct. 25	112	2089
"20th Century Stock Food." (For Stock-Food)	W. H. Eason.	10,761	Feb. 16	108	1867
"Type Soap." (For Saponaceous Compounds)	Type Soap Co	10,762	Feb. 16	108	1867
"U-Eat-A Biscuit." (For Crackers and Biscuits)	P. Badanes.	11,037	May 3	110	303
"Ultramarine Sheet Bluing." (For Bluing).	F. J. Godoy.	11,120	May 31	110	1425
"Uncle Fuller's Tar Soap." (For Soap)	G. E. Pettey.	11,481	Oct. 11	112	1475
"Uncle Sam." (For Condensed Milk and Evaporated Cream.)	American Condensed Milk Co.	11,289	Aug. 2	111	1361
"Underwood Cured Meats." (For Canned and Other Meats.)	Omaha Packing Co.	10,788	Mar. 1	109	273
"Undona Hair Tonic." (For Hair-Tonic).	A. L. Undeland	11,263	July 19	111	803
"Unguntum 'Ascepticine." (For Ointment)	Ascepticine Chemical Company	10,777	Feb. 23	108	2141
"Union Gives Strength, America." (For Hats)	C. H. Merritt & Son	10,934	Apr. 12	109	1883
"Union Made Garment Workers Knights of Labor." (For Garments.)	Order of the Knights of Labor	11,431	Sept. 27	113	951
"Union Made Wood Work." (For Woodwork)	United Brotherhood of Carpenters & Joiners of America.	11,100	May 24	110	1165
"Union Mark." (For Cigars)	Schmidt & Co	11,697	Dec. 80	113	2211
"Union Paste." (For a Cleaning Preparation)	Jokober & Tremborg.	11,253	July 12	111	577
"United We Hold, Divided We Fall." (For Hats)	C. H. Merritt & Son	10,993	Apr. 12	109	1883
"United We Stand. Live and Let Live." (For Hats)	Crescent Hat Co	10,764	Feb. 23	108	2141
"Urie-Arthrin." (For Medicine)	Urie-Arthrin Mfg. Co	10,891	Mar. 29	109	1333
"Veio." (For Medicine)	C. Chapman	11,649	Dec. 6	113	1701
"Vandella." (For Flavoring Preparations)	Wilson Bros	11,328	Aug. 23	109	2217
"Vaughan's Pink Cream." (For Medicine)	J. C. Vaughan	10,656	Jan. 5	108	285
"Veg-Oil." (For Soap)	Puck Soap Company.	11,376	Sept. 13	112	497
"Vegecide." (For a Powder)	Vegecide Company	11,743	Dec. 27	113	2501
"Veio." (For Massage-Machines)	H. F. Engelst Company	11,645	Nov. 29	113	1413
"Verbest." (For Mantes)	Liberty Incandescent Light Co	11,152	June 14	110	3011
"Verbest Beef Loaf." (For Beef-Loaf)	Armour & Co.	10,759	Feb. 16	108	1867
"Verbest Brisket Beef." (For Brisket Beef)	Armour & Co.	10,757	Feb. 16	108	1867
"Verbest Chicken Loaf." (For Chicken-Loaf)	Armour & Co.	10,754	Feb. 16	108	1867
"Verbest Corned Beef." (For Corned Beef)	Armour and Company	10,731	Feb. 9	108	1585
"Verbest Deviled Ham." (For Deviled Ham)	Armour & Co.	10,751	Feb. 16	108	1867
"Verbest Ham Loaf." (For Ham-Loaf)	Armour & Co.	10,758	Feb. 16	108	1867
"Verbest Lunch Tongue." (For Lunch-Tongue)	Armour & Co.	10,756	Feb. 16	108	1867
"Verbest Ox Tongue." (For Ox-Tongue)	Armour and Company	10,730	Feb. 9	108	1585
"Verbest Potted Ham." (For Potted Ham)	Armour & Co.	10,760	Feb. 16	108	1867
"Verbest Roast Beef." (For Roast Beef)	Armour & Co.	10,750	Feb. 16	108	1867
"Verbest Sliced Smoked Beef." (For Sliced Smoked Beef)	Armour & Co.	10,755	Feb. 16	108	1867
"Verbest Veal Loaf." (For Veal-Loaf)	Armour & Co.	10,753	Feb. 16	108	1867
"Verbest Vienna Sausage." (For Vienna Sausage)	Armour & Co.	10,752	Feb. 16	108	1867
"Vernita." (For Cigars)	Schmidt & Co	11,554	Nov. 8	113	545
"Very Best." (For Fish)	Davis Bros	11,074	Dec. 13	112	1965
"Vin-Crest Brut." (For Champagne)	Brotherhood Wine Co	11,127	June 7	110	1721
"Violet Emollient Skin Tonic and Massage Cream." (For Emollient Preparation)	C. Friedgen.	10,812	Mar. 8	109	547
"Virginia Chiquapin." (For Cigars)	C. B. Henschel Mfg. Co	10,802	Mar. 8	109	547
"Vista Hermosa." (For Cigars)	Schmidt & Co	10,871	Mar. 22	109	1065
"Vitrine." (For Hair-Grower Remedy)	M. J. Manning.	11,368	Sept. 6	112	247
"Vive Tablets." (For Medicine)	Frederick W. Brown Co.	11,081	May 24	110	1165
"Vivedermis." (For Cosmetic)	Royale Chemical Co.	10,737	Feb. 9	108	1585
"Voll's Lebens Essenz." (For Medicine)	J. H. Rivers	11,589	Nov. 15	113	845
"W. H. P." (For Cigars)	W. H. Paulson	11,136	June 14	110	2011
"Wagner's Carbonated C. P. Sodium Phosphate." (For Artificial Mineral Water.)	W. T. Wagner's Sons.	10,720	Feb. 2	108	1325
"Wagner's Carbonated C. P. Sodium Phosphate." (For Artificial Mineral Water.)	W. T. Wagner's Sons.	10,721	Feb. 2	108	1325
"Wagner's Lithiated Vichy." (For Artificial Mineral Water.)	W. T. Wagner's Sons.	10,686	Jan. 19	108	793
"Wampum Brand Tomatoes." (For Tomatoes)	United States Printing Co	11,236	July 5	111	297
"Wanmore." (For Whisky)	Eagle Lithographing Company	11,092	May 24	110	1165
"Warala." (For Salve)	C. Neuhaus.	11,214	July 5	111	297
"Washington Fine Laundry Soap." (For Soap)	Washington C. H. Soap Co.	11,119	Sept. 3	110	2425
"Watch Case Engravers' Union, No. 3, Canton, Ohio." (For Cigars.)	Danner Bros	11,095	May 24	110	1165
"Waybeek." (For Cigars)	A. C. Henschel & Co	11,059	May 17	110	835
"Weaver Quartettes." (For Butter)	C. H. Weaver & Co.	10,861	Mar. 22	109	1065
"Wedderburn Extra Dry Champagne." (For Champagne)	J. Wedderburn Company	11,350	Aug. 30	111	2487
"Wedderburn Rye." (For Rye Whisky)	J. Wedderburn	10,998	Apr. 26	109	2439
"Welsh's Embro." (For a Liniment)	Scotch Embrocation Co	10,826	Mar. 15	109	803
"Wessler's Best." (For Cigars)	Cole Lithographing Co.	11,730	Dec. 27	113	2501
"Wesson Clover Leaf Choice Butter Oil." (For Butter-Oil)	W. L. Walthour	11,746	Dec. 27	113	2501
"Western Display Co. Signs." (For Signs)	Western Display Company	11,239	Apr. 2	111	1361
"Whalebone." (For Paper Bags)	Union Bag & Paper Co.	11,200	June 28	110	2507
"Whitcher's Menders." (For Menders)	F. W. Whitcher	10,723	Feb. 9	108	1585
"White Band." (For Cigars)	Schmidt & Co	11,623	Nov. 29	113	1413
"White Cap." (For Wine)	M. Cohen	11,045	May 10	110	397
"White Enamel Finish." (For Finish for Wall-Plaster)	Woodville White Lime Co.	11,069	May 17	110	855
"White House." (For Condensed Milk)	Eastern Condensed Milk Company	11,383	Sept. 13	112	497
"White House Brand Tomatoes." (For Tomatoes)	Nininger & Frantz	11,384	Sept. 13	112	497
"White Label." (For Wine)	M. Cohen	10,726	Feb. 9	108	1585
"White Star." (For Gin)	H. Gravier	10,831	Mar. 15	109	803
"White Statue." (For Cigars)	A. C. Henschel & Co	11,365	Sept. 6	112	247
"White & White Co." (For Medicine)	White & White Company	11,080	May 24	110	1165
"Who-Who." (For a Game)	W. P. Corbin	11,202	June 28	110	2507
"William Outajar Sloe Gin." (For Sloe Gin)	J. Clavel Wine & Cordial Co.	11,679	Dec. 13	113	1965
"Willow Charcoal Cream and Milk." (For Medicine)	C. S. Nellis Co.	11,449	July 12	111	577

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"Winner." (For Bleached Cotton).....	J. M. Robinson, Norton & Co	11,669	Dec. 6	113	1701
"Winner Pure Rye Whiskey." (For Whisky).....	W. Mulhern & Sons	11,180	June 28	110	2507
"Wonder Worker Remedies." (For Medicine).....	L. Maelion	10,943	Apr. 12	109	1883
"Woodstock." (For Whisky).....	M. V. Moran	11,048	May 10	110	597
"Worth Skirt Style Supreme." (For Skirts).....	A. Black Cloak Co.	11,341	Aug. 30	111	2487
"Würzburger Schlossbrau." (For Beer).....	Atlantic City Brewing Co	11,239	July 12	111	577
"Wyaconda Mineral Springs." (For Mineral Water).....	W. H. Thomas	10,800	Mar. 8	109	547
"Wyman's Sa-Vo Salve." (For Salve).....	W. Wyman	11,193	June 28	110	2507
"Wyoming." (For Cotton Piece Goods).....	J. W. Hanna	10,722	Feb. 9	108	1585
"Wyoming Condensed Milk." (For Condensed Milk).....	United States Condensed Milk Co.	10,835	Mar. 15	109	803
"X-o Quick Cure." (For Medicine).....	A. Crichton	10,964	Apr. 19	109	2167
"XXX" Preservaline." (For a Preservative and Colorant).....	Preservaline Manufacturing Company.	10,852	Mar. 22	109	1065
"Yale." (For Apparel).....	C. H. Masters & Co.	10,909	Mar. 29	109	1333
"Yan-Kee." (For Eye-Shades).....	H. M. Tileston	11,646	Nov. 29	113	1413
"Yankee Pop Corn." (For Popcorn).....	G. P. Nash	11,164	June 21	110	2231
"Zatan." (For Toilet-Paper).....	Scott Paper Co	10,911	Apr. 5	109	1603
"Zembra." (For Cigars).....	L. Golovine.....	10,952	Apr. 12	109	1883

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"A Delightful Sweet to Eat." (For Milk Chocolate).....	Huyler's	1,033	July 26	111	1033
"A Home Favorite." (For Flour).....	Washburn-Crosby Company	1,166	Dec. 27	113	2501
"Adler Clothes for Fall and Winter." (For Men's Winter Apparel.)	David Adler & Sons Clothing Co.	1,031	July 26	111	1033
"Adler Fall Creations." (For Men's Apparel).....	David Adler & Sons Clothing Co.	1,066	Aug. 23	111	2217
"Adler Full Dress Styles for Fall." (For Men's Winter Apparel.)	David Adler & Sons Clothing Co.	1,130	Oct. 18	113	1745
"Adler Juvenile Clothes." (For Clothing).....	David Adler & Sons Clothing Co.	1,067	Aug. 23	111	2217
"Adler's Garments for Spring and Summer." (For Men's Apparel.)	David Adler & Sons Clothing Co.	894	Feb. 9	108	1585
"Adler's Spring Fashions for 1904." (For Men's Apparel).....	David Adler & Sons Clothing Co.	886	Jan. 19	108	793
"Ah!" (For Champagne).....	H. E. Lesan Company	1,001	May 24	110	1165
"All Nations Use the Singer." (For Sewing-Machines).....	Singer Manufacturing Co.	931	Mar. 15	109	803
"American Loto." (For a Game).....	L. F. Olszewski	1,044	Aug. 16	111	1933
"American Street Flushing Machine Company." (For Machines.)	American Street Flushing Machine Co.	1,119	Oct. 4	112	1209
"American Street Flushing Machine Company." (For Machines.)	American Street Flushing Machine Co.	1,120	Oct. 4	112	1209
"An Adler Outing Suit." (For Men's Spring Apparel).....	David Adler & Sons Clothing Co.	995	May 17	110	855
"An Adler Serge Suit." (For Men's Apparel).....	David Adler & Sons Clothing Co.	960	Apr. 19	109	2167
"An Awful Sight." (For Shoes).....	Brown Shoe Co.	1,059	Aug. 23	111	2217
"An Optical Illustration." (For Spectacles).....	H. Goldman	1,027	July 19	111	803
"Apparel for 1904." (For Apparel).....	W. C. Both	890	Feb. 2	108	1325
"Arabian Chocolates." (For Candy).....	Gray Litho. Co.	965	Apr. 19	109	2167
"Arcadian Chocolates." (For Candy).....	Gray Lithograph Co.	972	Apr. 19	109	2168
"Art Shirt Waist." (For Shirt-Waists).....	Raymond & Pierce	885	Jan. 19	108	793
"Artistic Footwear for Women." (For Footwear).....	O. McCormick	937	Mar. 22	109	1066
"Astrolite." (For Antiseptic Powder).....	E. E. Holt	1,093	Sept. 20	112	725
"At Hearts—Wish I could give you my heart." (For Playing-Cards).....	United States Playing Card Company	1,150	Nov. 22	113	1141
"At the Euchre—Wouldn't you like to hold my hand?" (For Playing-Cards).....	United States Playing Card Company	1,112	Sept. 27	112	951
"Athlophoros." (For Medicine).....	Athlophoros Co.	913	Mar. 1	109	273
"Athlophoros." (For a Medicine).....	Athlophoros Co.	927	Mar. 15	109	803
"Atlas Hosiery Mills." (For Hosiery).....	Atlas Hosiery Mills	915	Mar. 8	109	547
"Attractive Summer Footwear for Women." (For Shoes).....	O. McCormick	961	Apr. 19	109	2167
"Aurora A. B. Co., Export Made from Choicest Malt and Hops." (For Bottled Beer.)	Aurora Brewing Company	1,019	July 5	111	298
"Bacritine." (For Medicine).....	Alpine Chemical Co.	945	Mar. 29	109	3313
"Baking Day Trials Turn to Pleasure." (For Flour).....	A. von Cetzhausen	1,139	Nov. 8	113	545
"Ball Bearing Garters." (For Garters).....	C. A. Edgarton Mfg. Co.	943	Apr. 12	109	1833
"Base Ball Card Game." (For a Game).....	Allegheny Card Co.	948	Apr. 5	109	1603
"Beaver Wall Plaster." (For Wall-Plaster).....	S. Q. Fulton	1,159	Dec. 13	113	1965
"Bee Ware of the Bees." (For Shoes).....	Brown Shoe Co.	1,062	Aug. 23	111	2217
"Before and After." (For Clothing).....	Louis J. Cahn Supply Co.	1,089	Sept. 13	112	497
"Before You Say Flour Say Gold Medal,—Always." (For Flour).....	Washburn, Crosby Company	1,086	Sept. 13	112	457
"Berlin Shape." (For Eyeglasses and Spectacles).....	F. J. Rief	1,016	June 28	110	3507
"Better Newspaper Cuts." (For Newspaper-Cuts).....	Cuts Co.	1,163	Dec. 20	113	2211
"Bicycle Playing Cards, New Automobile Designs." (For Playing-Cards).....	United States Playing Card Company	908	Mar. 1	109	273
"Bicycle Playing Cards, New Automobile Designs." (For Playing-Cards).....	United States Playing Card Company	909	Mar. 1	109	273
"Birds of a Feather." (For Shoes).....	O. McCormick	952	Apr. 12	109	1884
"Blue Ribbon." (For Beer).....	A. von Cetzhausen	1,104	Sept. 27	112	951
"Blue Ribbon Shoes." (For Shoes).....	Brown Shoe Co.	943	Mar. 29	109	1333
"Boroline." (For Antiseptic).....	E. E. Holt	1,094	Sept. 20	112	725
"Bromo-Seltzer." (For Bromo-Seltzer).....	Emerson Drug Co.	926	Mar. 15	109	803
"Brown's Blue Ribbon Book." (For Shoes).....	Brown Shoe Co.	1,058	Aug. 23	111	2217
"Budweiser Girl." (For Beer).....	Anheuser-Busch Brewing Ass'n	1,145	Nov. 22	113	1141
"Business Bringers." (For Men's Apparel).....	Apparel Cut Company	1,123	Oct. 11	112	1475
"C. D. & T." (For Electric Cars).....	Cincinnati, Dayton, and Toledo Traction Co.	932	Mar. 15	109	803
"Cafe du Monde." (For Coffee).....	D. H. Hoffman	991	Nov. 29	113	1413
"Carskure." (For Medicine).....	Carlsruhe Chemical Co.	1,132	May 12	111	567
"Castoria." (For a Medicine).....	Centaur Co.	954	Apr. 12	109	1884
"Champion Harvesters." (For Harvesting Machinery).....	Hayes Lithographing Co.	1,133	Oct. 18	112	1745
"Chesapeake." (For Canvas or Cotton Belting).....	Chesapeake Belting Company	1,047	Aug. 16	111	1933
"Chink Back Congress Playing Cards." (For Playing-Cards).....	United States Playing Card Co.	1,072	Aug. 30	111	2487
"Coca Cola." (For Beverages).....	Coca Cola Co.	1,024	July 12	111	577
"Colgan's Taffy—Tolu Cheewing Gum." (For Cheewing-Gum).....	Colgan Gum Company	1,147	Nov. 22	113	1141
"Comin' Thro' The Rye." (For Whisky).....	M. Letzelter	1,165	Dec. 27	113	2501
"Could you hold a better hand?" (For Playing-Cards).....	United States Playing Card Company	1,138	Nov. 1	113	277
"Cu-rheu-ma Coupon." (For Medicine).....	J. W. Carnahan	1,106	Sept. 27	112	951
"Cyprus Bronze Motor Bearings." (For Motor-Bearings).....	Brady Brass Company	1,014	June 21	110	2331
"Daintiness." (For Fruit Syrups and Extracts With and Without Ice-Cream Soda).....	H. Curiel	877	Jan. 5	108	285
"Deering Harvesters." (For Harvesters).....	Hayes Lithographing Co.	1,141	Nov. 8	113	545
"Dermoline." (For Liquid Soap).....	E. E. Holt	1,095	Sept. 20	112	725

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"Dollar Brand." (For Coffee).....	U. S. Coffee, Tea & Spice Co.....	944	Mar. 29	109	1333
"Don't Suffer and Cuss Buy Your Shoes from Us." (For Shoes).....	O. McCormick.....	981	Apr. 26	109	2459
"Dr. Carleton's Dyspepsia Treatment and Dr. Carleton's Constipation Pills." (For Medicine).....	Carleton & Hovey Company.....	1012	June 21	110	2231
"Dr. Smith's Vita Oil." (For Liniment).....	Vita Oil Co.....	1,083	Sept. 6	112	247
"Duchess Chocolates." (For Candy).....	Gray Lithograph Co.....	974	Apr. 19	109	2168
"E. L. Blimline & Co.'s Clothing Productions for 1904-05." (For Clothing).....	E. L. Blimline & Co.....	1,101	Sept. 30	112	725
"Eastlake, Imperial, Majestic, Lily of the Valley, Shamrock, and Geometric backs, Congress Playing Cards." (For Playing-Cards).....	United States Playing Card Company.....	1,090	Sept. 13	112	497
"Egg Chocolates." (For Candy).....	C. A. Roach.....	939	Mar. 22	109	1066
"El Caro." (For Cigars).....	Caro & Company.....	1,020	July 5	111	298
"Eldorado Natural Cement Plaster." (For Plaster).....	United States Gypsum Co.....	1,043	Aug. 9	111	1621
"Extra Pale." (For Bottled Beer).....	Wm. J. Lemp Brewing Co.....	985	Apr. 26	109	2439
"Eylene." (For Medicine).....	G. W. Wise.....	914	Mar. 1	109	273
"Fairchild Preparations." (For Medicinal Preparations).....	Fairchild Bros. & Foster.....	1,088	Sept. 13	112	477
"Fall and Winter 1904-05 Men's Apparel." (For Clothing).....	B. Kuppenheimer & Co.....	1,075	Aug. 30	111	2487
"Faultless Day Shirts." (For Day-Shirts).....	E. Rosenfeld & Co.....	978	Apr. 26	109	2439
"Faultless Night Shirts." (For Night-Shirts).....	E. Rosenfeld & Co.....	979	Apr. 26	109	2439
"Faultless Pajamas." (For Pajamas).....	E. Rosenfeld & Co.....	980	Apr. 26	109	2439
"Fehr's Malt Tonic." (For Malt Tonic).....	Central Consumers Company.....	1,018	July 5	111	298
"Finest Chocolates." (For Candy).....	Gray Lithograph Co.....	973	Apr. 19	109	2168
"Fluted Concrete Column." (For Concrete Columns).....	E. C. Harter.....	1,140	Nov. 8	113	545
"For Goodness Sake." (For Flour).....	Washburn, Crosby Co.....	891	Feb. 2	108	1325
"Foxy Grandpa's Multiplier." (For a Multiplier).....	F. J. Smith.....	922	Mar. 15	109	803
"Foy's Vest Pocket Foot Hook." (For Foot-Hooks).....	J. Foy.....	1,032	July 26	111	1033
"Gameboard." (For Game-Boards).....	W. B. Smith.....	1,111	Sept. 27	112	951
"Gilman's Outfit for the Cure of Milk Fever." (For Medical Apparatus).....	Z. D. Gilman.....	1,050	Aug. 16	111	1933
"Girard Iron Works, Philadelphia, Pa." (For Cask and Vat Supports).....	Girard Iron Works.....	1,022	July 5	111	298
"Globe Starch." (For Starch).....	American Lithograph Company.....	957	Apr. 12	109	1854
"Gloves." (For Gloves).....	Hurd & Page.....	1,008	June 7	110	1721
"Glycerine Tar Soap." (For Soap).....	Gray Lithograph Co.....	1,049	Aug. 16	111	1933
"Gold Band Ham and Bacon." (For Ham and Bacon).....	Armour Packing Co.....	911	Mar. 1	109	273
"Gold Coin Stock Foods." (For Stock-Food).....	Gold Coin Stock Food Company.....	1,081	Sept. 6	112	247
"Gold Medal Iowa Sorghum." (For Sorghum).....	Farrall & Co.....	1,034	July 11	110	1033
"Golden Fleece." (For Sheep-Leathers).....	E. S. Gile.....	1,113	Sept. 27	112	951
"Golden Rule Hair Restorative." (For a Hair-Restorative).....	Citizens Wholesale Supply Co.....	923	Mar. 15	109	803
"Golfonella." (For Ladies' Head-Gear).....	J. Rosenfeld.....	1,029	July 26	111	1033
"Gravity Lock Box." (For Locks for Adjustable Backs of Loose-Leafed Books, Files, &c.).....	J. S. McDonald Company.....	1,003	May 24	110	1105
"Grippura." (For Medicine).....	A. Crichton.....	999	May 17	110	855
"Grocer's Clerks." (For Flour).....	Washburn, Crosby Company.....	1,116	Oct. 4	112	1209
"Gustav Eisenkramer's Grand Darklight Cleaning Fluid." (For Cleaning Fluid).....	G. Eisenkramer.....	1,092	May 24	110	1165
"Gustav Eisenkramer's Grand Darklight Cleaning Fluid." (For Cleaning Fluid).....	G. Eisenkramer.....	1,035	July 26	111	1033
"Hamburger Bros. & Co.'s Clothing Productions for 1904-05." (For Clothing).....	Hamburger Bros. & Co.....	1,074	Aug. 30	111	2487
"Harriet Hubbard Ayer's Face Cream." (For Face-Cream).....	H. A. Seymour.....	962	Apr. 19	109	2167
"Hasn't Scratched Yet." (For Scouring-Soap).....	Bon Ami Company.....	882	Jan. 12	108	557
"Hasn't Scratched Yet." (For Scouring-Soap).....	Bon Ami Company.....	1,009	Sept. 20	111	725
"Heather Girl." (For Silks).....	Liberty Silk Company.....	1,144	Nov. 15	113	845
"Heptol Splits." (For Mineral Water).....	Crompton & Sons Litho. and Ptg. Co.....	1,037	Aug. 2	111	1361
"Herba-Vita Coupon." (For Medicine).....	J. W. Carnahan.....	1,108	Sept. 27	112	951
"Herbaline." (For Liniment).....	W. R. A. Ballingall.....	1,143	Nov. 15	113	845
"Home Educator." (For Coffee).....	C. Pearlman.....	987	May 8	110	303
"Homogeneous." (For Steel Fittings).....	American Standard Steel Fitting Co.....	1,051	Aug. 16	111	1933
"Hope's Little Digestion Tablets, Hope for the World." (For Medicine).....	H. A. Parker.....	1013	June 21	110	2231
"Hunting Scenes." (For Wall-Paper).....	Lawrence & Bullen.....	921	Mar. 8	109	547
"Important Facts About Longevity." (For Milk Food).....	P. D. Spiron.....	1,151	Nov. 29	113	1413
"In Every Man's Pocket." (For Cigars).....	Seiter & Kappes.....	936	Apr. 12	109	1884
"Instructions 'Yankee' Safety Razor." (For Safety-Razors).....	Reichard & Scheuber Manfg. Co.....	901	Feb. 16	108	1867
"Is Your Hair Turning Gray." (For Hair-Restorative).....	Citizens' Wholesale Supply Co.....	1,017	July 5	111	298
"It Didn't Hurt a Bit." (For Medicine).....	Antikamnia Chemical Company.....	998	May 17	110	855
"It Is Not Always the Man With the Balls Who Can Juggle Them." (For Shoes).....	O. McCormick.....	916	Mar. 8	109	547
"It Stands at the Head." (For Sewing-Machines).....	Gray Lithograph Co.....	947	Mar. 29	109	1333
"It's Like Putting Money in the Bank." (For Flour).....	Washburn, Crosby Company.....	1,085	Sept. 13	112	497
"Jack and Jill." (For Shoes).....	Brown Shoe Co.....	1,057	Aug. 23	111	2217
"Jane and Buster." (For Shoes).....	Brown Shoe Co.....	1,057	Aug. 23	111	2217
"Japanese." (For Explosives).....	Rockdale Powder Co.....	1,109	Dec. 27	113	2501
"Jug of Joy." (For Beer).....	Hulbert Adv. Co.....	963	May 24	110	1165
"K. K. Hog Cholera Preventive." (For Hog-Cholera Preventive).....	Home Medicine Company.....	1,025	July 12	111	577
"Kataplast." (For Poultice).....	E. E. Holt.....	1,097	Sept. 20	112	725
"Keats the Grocers Busy." (For Flour).....	Washburn-Crosby Company.....	1,027	Dec. 27	113	2501
"Kleanwell Tingle Sponge." (For Rubber Sponges).....	A. H. Smith.....	984	Apr. 19	109	2167
"La Sylvia." (For Corsets).....	L. S. Plaut & Co.....	1,010	June 21	110	2231
"Ladies' Apparel." (For Ladies' Apparel).....	Meyer-Both Co.....	936	Mar. 22	109	1066
"Lead Seal." (For Wire).....	John A. Roebeling's Sons Co.....	873	Jan. 5	108	285
"Life Malt." (For Malt Extract).....	A. Tiemann.....	993	Sept. 20	112	725
"Lily Back, Congress Playing Cards." (For Playing-Cards).....	United States Playing Card Company.....	1,132	Oct. 18	112	1745
"Liq. Camphenol." (For Antiseptic).....	E. E. Holt.....	1,096	Sept. 20	112	725
"Little Betty Blue." (For Shoes).....	Brown Shoe Co.....	1,053	Aug. 23	111	2217
"Little Boy Blew." (For Shoes).....	Brown Shoe Co.....	1,053	Aug. 23	111	2217
"Little Tingle." (For Rubber Sponges).....	A. H. Smith.....	1,001	Aug. 23	111	2217
"Little Tommy Tucker." (For Shoes).....	Brown Shoe Co.....	1,065	Apr. 19	109	2167

Alphabetical list of prints—Continued.

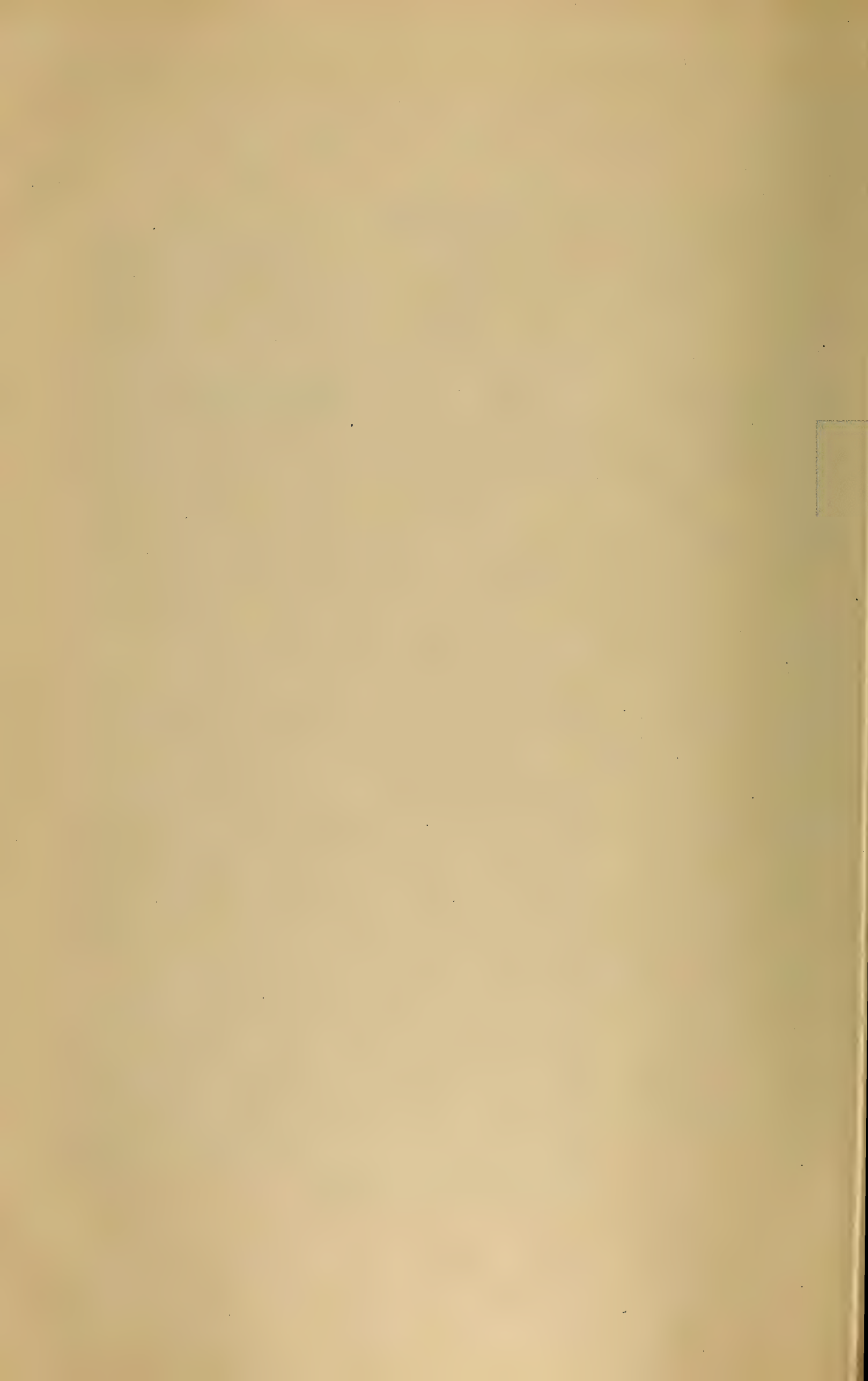
Title.	Name.	No.	Date.	Official Gazette.	
				Vol.	Page.
"Lotos Export." (For Beer).....	Adam Scheidt Brewing Co.....	1,129	Oct. 18	112	1745
"Lycoming Rubbers." (For Rubbers).....	United States Rubber Co.....	903	Feb. 23	108	2141
"Manning's Trade-Mark Coffee." (For Coffee).....	W. W. Manning.....	1,156	Dec. 13	113	1965
"Mary and Her Little Lambs." (For Wall-Paper).....	Lawrence & Bulien.....	903	Feb. 23	108	2141
"McCall Patterns." (For Patterns).....	McCall Co.....	1,038	Aug. 2	111	1381
"Men's Apparel." (For Men's Apparel).....	Cahn, Wampold & Company.....	878	Jan. 12	108	557
"Men's Apparel." (For Men's Apparel).....	W. C. Both.....	934	Mar. 22	109	1066
"Men's Apparel." (For Men's Apparel).....	Hays, Levi & Co.....	935	Mar. 22	109	1066
"Men's Apparel." (For Men's Apparel).....	Talbot Company.....	1,041	Aug. 9	111	1621
"Men's Apparel." (For Men's Apparel).....	W. C. Both.....	1,149	Nov. 22	113	1141
"Men's and Boys' Apparel." (For Apparel).....	Talbot Company.....	904	Feb. 23	108	2141
"Men's and Boys' Apparel." (For Men's and Boys' Apparel).....	W. C. Both.....	1,118	Oct. 4	112	1209
"Men's & Boys' Attire for Fall & Winter 1904-05." (For Men's and Boys' Apparel).....	W. C. Both.....	1,046	Aug. 16	111	1933
"Mindura." (For Paint-Pigments and Paint Materials).....	Natural Carbon By-Products Co.....	896	Feb. 9	108	1585
"Moses Found in a Visclozed Shoe." (For Shoes).....	A. Sommer.....	1,109	Sept. 20	112	725
"Nabisco Sugar Wafers." (For Sugar Wafers).....	National Biscuit Company.....	1,153	Dec. 6	113	1701
"Natural Leaf." (For Tobacco).....	Rucker & Witten Tobacco Co.....	920	Mar. 8	109	547
"Necco's Chocolates Are Ripe." (For Chocolates).....	New England Confectionery Co.....	881	Jan. 12	108	557
"Nervo-Laxi Coupon." (For Medicine).....	J. W. Carnahan.....	1,107	Sept. 27	112	851
"Neverslip." (For Horseshoe-Calks).....	Federal Lithograph Company.....	1,121	Oct. 4	112	1209
"New Styles Always on Hand." (For Shoes).....	O. McCormick.....	962	Apr. 26	109	2439
"No Doubt About It." (For Flour).....	Washburn, Crosby Co.....	893	Feb. 2	108	1325
"No Doubt About It." (For Flour).....	Washburn, Crosby Company.....	1,048	Aug. 16	111	1933
"Non-Aqua." (For Shoes).....	O. McCormick.....	924	Mar. 15	109	808
"Non-din." (For Cement Building-Blocks and Machinery for Making Same).....	Cement Machinery Co.....	1,039	Aug. 2	111	1361
"Noteless Piano Chart." (For Charts).....	A. L. Brincklé.....	1,009	June 7	110	1721
"Now This Little Book Is Through." (For Shoes).....	Brown Shoe Co.....	1,056	Aug. 23	111	2217
"Old Cutter Whiskies." (For Whisky).....	C. P. Moorman & Company.....	992	May 10	110	357
"On the Back of the Sack." (For Flour).....	Y. B. Clark, Crosby Company.....	1,128	Oct. 18	112	1745
"Ontostay." (For Hat-Pins).....	J. Uhry.....	977	Apr. 26	109	2439
"Our Customers Smile." (For Shoes).....	O. McCormick.....	983	Apr. 26	109	2439
"Our Easter Opening." (For Shoes).....	O. McCormick.....	918	Mar. 8	109	547
"Our Footwear Attracts." (For Shoes).....	O. McCormick.....	807	Feb. 16	108	1867
"Our Oxfords Fit." (For Shoes).....	O. McCormick.....	990	May 10	110	357
"Our Shoes Will Bear the Closest Scrutiny." (For Shoes).....	O. McCormick.....	953	Apr. 12	109	1884
"Our Spring Styles." (For Shoes).....	O. McCormick.....	951	Apr. 12	109	1884
"Outcort Assorted Fine Chocolates." (For Candy).....	Gray Lithograph Co.....	976	Apr. 19	109	2168
"Overcoat Fashions for Spring." (For Men's Spring Apparel).....	David Adler & Sons Clothing Co.....	910	Mar. 1	109	273
"Ozomulsion." (For Medicine).....	Ozomulsion Co.....	925	Mar. 15	109	808
"Palmer's Patented Hammocks." (For Hammocks).....	I. E. Palmer.....	879	Jan. 12	108	557
"Paragon Pants." (For Pants).....	W. Lauterbach.....	996	May 17	110	855
"Parisian and Egyptian backs Congress Playing Cards." (For Playing Cards).....	United States Playing Card Company.....	1,078	Sept. 6	112	247
"Phenolene." (For Insect-Destroyer).....	A. B. Coulson Co.....	883	Jan. 19	108	793
"Piper-Heidsieck Girl." (For Champagne).....	A. J. Kitz.....	1,040	Aug. 9	111	1621
"Plant of Modern Automatic Can Making Machinery." (For Can-Making Machinery).....	T. Wold.....	907	Mar. 1	109	273
"Pleased Customer." (For Men's Clothing).....	G. V. Smith.....	1,030	July 26	111	1033
"Politics." (For Card Game).....	C. J. Brown.....	1,023	July 12	111	577
"Polly Wants a Blue Ribbon Shoe." (For Shoes).....	Brown Shoe Co.....	1,054	Aug. 23	111	2217
"Poole Pianos." (For Pianos).....	W. H. Poole.....	986	Apr. 26	109	2439
"Porcelain Inlays Made by the Dr. R. M. Chase Impression and Matrix System." (For Dental Fillings).....	R. M. Chase.....	895	Feb. 9	108	1585
"Pratts of Philadelphia." (For Animal and Poultry Regulators and Veterinary Remedies).....	Pratt Food Company.....	1,082	Sept. 6	112	247
"Pride of Reidsville." (For Smoking-Tobacco).....	R. Harris & Bro.....	925	Mar. 15	109	808
"Princess Assortment Chocolates." (For Candy).....	Gray Lithograph Co.....	975	Apr. 19	109	2168
"Princess Chocolates." (For Candy).....	Gray Litho. Co.....	971	Apr. 19	109	2168
"Progress Wall Plaster." (For Wall-Plaster).....	S. Q. Fulton.....	1,158	Dec. 18	113	1965
"Prudential Umbrella." (For Umbrellas).....	L. S. Plant & Co.....	994	May 17	110	855
"Prunitura." (For Medicinal Prune-Syrup).....	L. Prange.....	880	Jan. 12	108	557
"Puritan Chocolates." (For Candy).....	Gray Litho. Co.....	968	Apr. 19	109	2167
"Purity Bon Bons and Chocolates." (For Candy).....	Gray Litho. Co.....	970	Apr. 19	109	2167
"Purity Health Chocolates." (For Candy).....	Gray Litho. Co.....	969	Apr. 19	109	2167
"Purity Italian Chocolates." (For Candy).....	Gray Litho. Co.....	966	Apr. 19	109	2167
"Pyramid Natural Cement Plaster." (For Cement Plaster).....	United States Gypsum Co.....	1,036	July 26	111	1033
"Radcliffe Shoe." (For Shoes).....	Radcliffe Shoe Co.....	998	Mar. 22	109	1066
"Rapid Results." (For Signs).....	Charles W. Shonk Company.....	1,070	Aug. 23	111	2217
"Regiotic Coupon." (For Medicine).....	J. W. Carnahan.....	1,105	Sept. 27	112	851
"Reliance." (For Hat-Fasteners).....	National Business Opportunities Co.....	949	Apr. 12	109	1883
"Reuter's Soap. Get a Lily-and-Rose Complexion." (For Soap).....	Barclay & Co.....	1,134	Oct. 25	112	2089
"Royal Granite Steel Ware." (For Steelware).....	National Enameling & Stamping Co.....	1,069	Aug. 23	111	2217
"Russian Overland Tea Co." (For Teas).....	G. Zalinoff.....	958	Apr. 12	109	1884
"Sapolin Stove-Pipe Enamel." (For Stovepipe-Enamel).....	Gerstendorfer Bros.....	1,114	Sept. 27	112	951
"Sapolin Stovepipe Enamel." (For Stovepipe-Enamel).....	Gerstendorfer Bros.....	1,080	Sept. 6	112	247
"Sarrer Valve." (For Exhaust-Valves).....	American Locomotive Equipment Company.....	1,126	Oct. 11	112	1745
"Schloss Bros. & Co. Fine Clothes Makers." (For Clothing).....	Schloss Bros. & Co.....	1,045	Aug. 16	111	1933
"Shoes for the Children." (For Shoes).....	O. McCormick.....	917	Mar. 8	109	547
"Shower and Military Backs, Congress Playing Cards." (For Playing Cards).....	United States Playing Card Co.....	1,131	Oct. 18	112	1475
"Singer." (For Sewing-Machines).....	Singer Manufacturing Co.....	1,161	Dec. 20	113	2211
"Single and Double Stack Heads and Boots." (For Stack Heads and Boots).....	Excelsior Steel Furnace Co.....	1,026	July 12	111	577
"Smaltz-Goodwin Co., Phila." (For Shoes).....	O. McCormick.....	1,005	May 31	110	1425
"Smokeless Powders." (For Smokeless Powder).....	Lafin & Rand Powder Co.....	889	Feb. 2	108	1323
"Society Chocolates." (For Candy).....	Gray Litho. Co.....	967	Apr. 19	109	2167
"Sparrow's Chocolates." (For Candy).....	H. F. Sparrow Co.....	1,146	Nov. 22	113	1141
"Spiltor's Buttermilk Talcum." (For Talcum Powder).....	G. E. Spiltor.....	1,007	June 7	110	1721

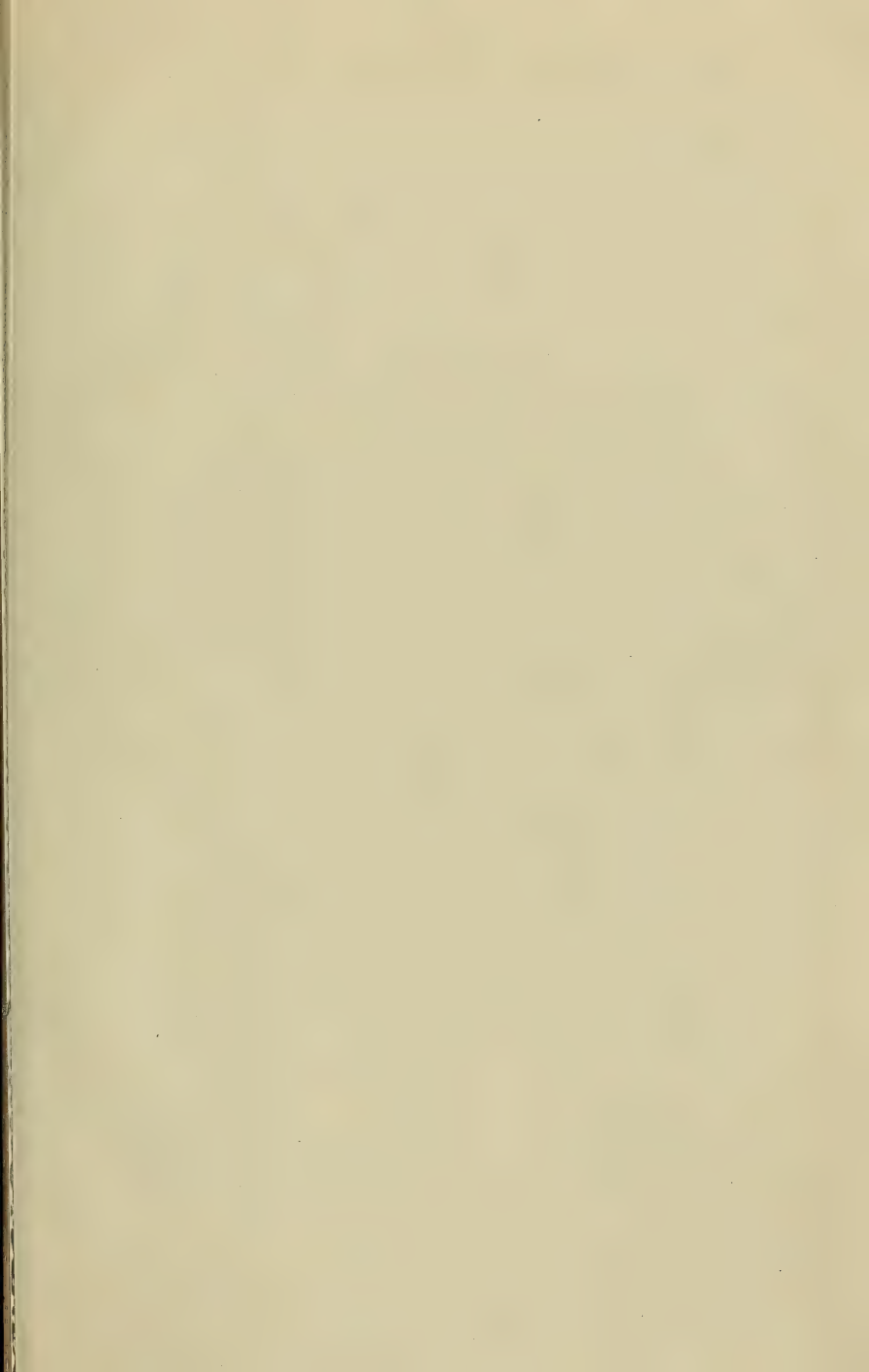
Alphabetical list of prints—Continued.

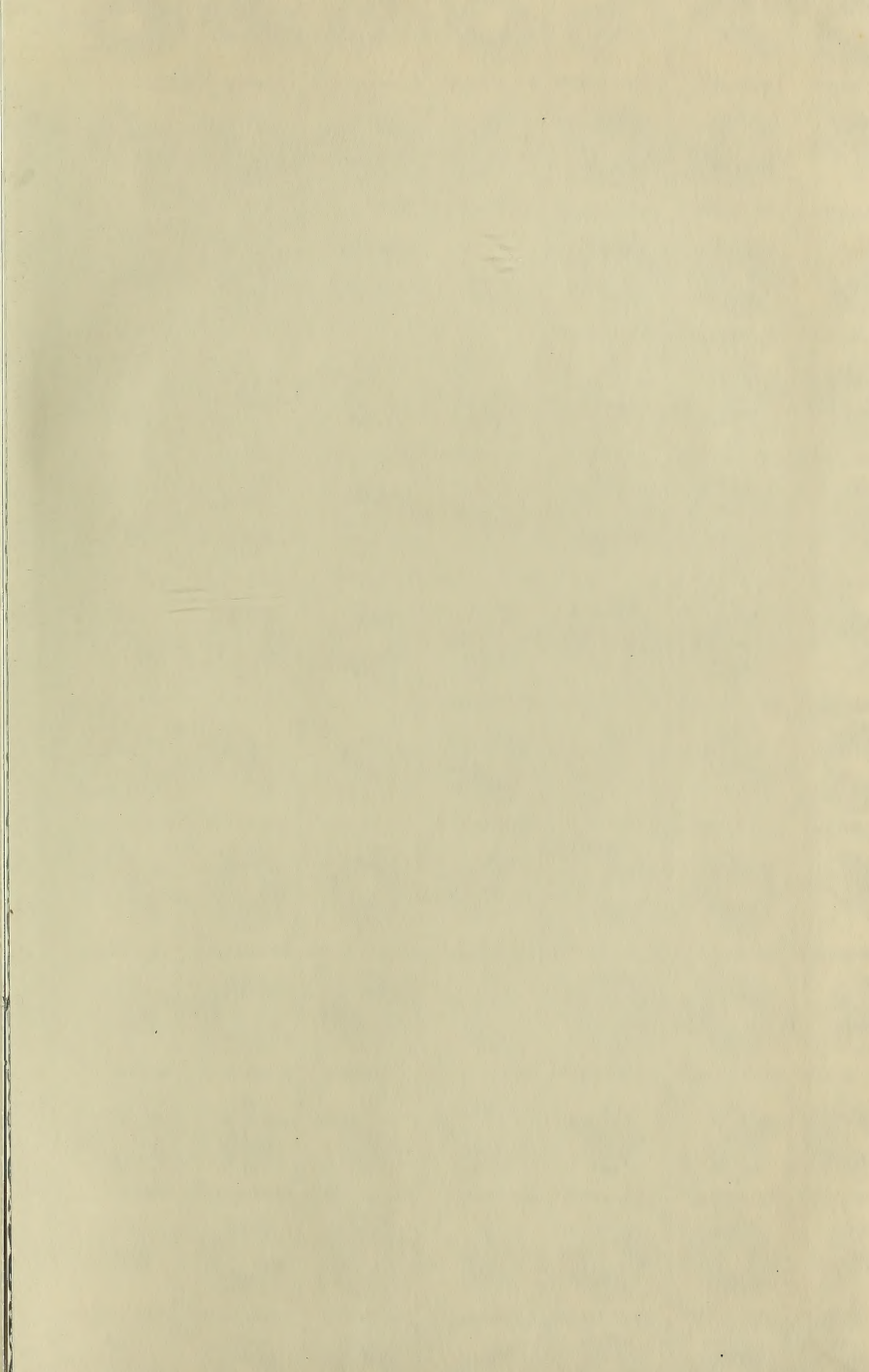
Title.	Name.	No.	Date.	Official Gazette.	
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"Spiral Spring Side Steels Will Not Break." (For Corsets).	Downer, Hawes & Co	1,100	Sept. 20	112	725
"Sta-Kleen." (For Tooth-Brushes)	J. C. Dowd & Co	1,042	Aug. 9	111	1621
"Star Safety Razor." (For Razors)	Kampfe Bros.	1,052	Aug. 16	111	1853
"Stick Candy The Stick That Never Sticks." (For Stick-Candy)	George Blome & Son Co.	1,006	June 7	110	1721
"Stop That Hack." (For Cough-Drops)	L. Lowenthal	1,004	May 31	110	1425
"Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves)	American Locomotive Equipment Company	1,123	Oct. 11	112	1475
"Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves)	American Locomotive Equipment Company	1,124	Oct. 11	112	1475
"Style 'C' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves)	American Locomotive Equipment Company	1,127	Oct. 11	112	1475
"Style 'D' Sarver Auxiliary Exhaust Valve." (For Exhaust-Valves)	American Locomotive Equipment Company	1,125	Oct. 11	112	1475
"Swits Condé Wool Co." (For Wool and Skins)	Swits Condé Wool Co	1,168	Dec. 27	113	2501
"Taylor's Clinical Tubes." (For Clinical Thermometers)	Taylor Bros. Co	946	Mar. 29	109	1333
"The American Girl." (For Candy)	C. A. Roach	940	Mar. 22	109	1066
"The Beer that Made Milwaukee Famous." (For Beer)	A. von Cotzhausen	1,115	Oct. 4	112	1209
"The Beer to Which the South Points With Pride." (For Beer)	Chattanooga Brewing Co	884	Apr. 26	109	2459
"The Beer You Like." (For Beer)	A. Tiemann	1,092	Sept. 20	112	725
"The Burro Souvenir Playing Cards." (For Playing-Cards)	H. H. Tammen Curio Company	1,160	Dec. 20	113	2211
"The Candy Girl." (For Candy)	Berrisford Candy Co	888	Jan. 26	108	1047
"The Engineer." (For Overalls)	Heyneman & Co	1,136	Nov. 1	113	277
"The Excelsior Dress-Makers Fitting Saddle." (For Dress-makers' Fitting-Saddles)	M. L. Soule	884	Jan. 19	108	793
"The Flour Barrel of the World." (For Flour)	D. M. McLean	912	Mar. 1	109	273
"The House that Jack Built." (For Shoes)	Brown Shoe Co	1,060	Aug. 23	111	2217
"The Land of Red and Yellow Apples." (For Apples)	S. Bliton	1,142	Nov. 15	113	845
"The Mark G. Harris Front, Shoulder and Sleeve Head." (For Clothing)	M. G. Harris	1011	June 21	110	2231
"The Meet, The Run, Into Cover, and The Kill backs, Congress Playing Cards." (For Playing-Cards)	United States Playing Card Co	1,077	Sept. 6	112	247
"The Old Mexico Trading Co." (For Drawwork, Blankets, and Hand-Made Wares)	Old Mexico Trading Co	997	May 17	110	855
"The Only Third Party Welcomed on These Occasions." (For Cocoa)	Runkel Brothers	902	Feb. 16	108	1867
"The Queen." (For Candy)	C. A. Roach	943	Mar. 29	109	1333
"The Record of the Oracle." (For Spice for Animals)	Myers Royal Spice Co	1,067	Sept. 13	112	497
"The Romänder 'Comfort' Passenger Car." (For Passenger-Cars)	H. Romänder	933	Mar. 15	109	803
"The Romänder 'Comfort' Passenger-Car." (For Passenger-Cars)	H. Romänder	959	Apr. 12	109	1884
"The Saville Sack." (For Clothing)	Kuh, Nathan & Fischer Co	998	May 10	110	597
"The Singer." (For Sewing-Machines)	Singer Manufacturing Co	1,162	Dec. 20	113	2211
"The Sun Typewriter Girl." (For Type-Writers)	Sun Typewriter Company	1,154	Dec. 6	113	1701
"The Tom Thumb Wedding." (For Medicine)	J. W. Carnahan	1,110	Sept. 27	112	951
"The Touch of Time." (For Cold-Cream)	Aggett & Ramsdell	955	Apr. 12	109	1884
"The Tramp \$2.50." (For Shoes)	May Co	876	Jan. 5	108	285
"The Victor Jewel Premium Machine." (For Talking-Machines and Accessories)	Victor Talking Machine Co	930	Mar. 15	109	803
"The Waldorf Sack." (For Clothing)	Kuh, Nathan & Fischer Co	989	May 10	110	597
"There Are Other Kinds." (For Flour)	Washburn, Crosby Co	892	Feb. 2	108	1325
"There's Good Bread Ahead." (For Flour)	Washburn, Crosby Company	998	May 10	110	597
"There's Good Bread Ahead." (For Flour)	Washburn, Crosby Company	1,015	June 23	110	2307
"This is the Best! Topsy Hosiery." (For Hosiery)	Ely-Walker Dry Goods Company	941	Mar. 29	109	1333
"Tom Thumb Cabinet." (For Medicine)	J. W. Carnahan	1,109	Sept. 27	112	951
"Trois Fontaine Lithia Water." (For Lithia Water)	J. H. Ogburn	1,068	Aug. 23	111	2217
"Two Good Bread Makers." (For Flour)	Washburn, Crosby Company	1,021	July 5	111	298
"Ungt. Camphenol." (For Ointment)	E. E. Holt	1,098	Sept. 20	112	725
"Use Lucas Paints." (For Paint)	J. Lucas & Co	1,157	Dec. 13	113	1965
"Victor." (For Talking-Machines and Accessories)	Victor Talking Machine Co	874	Jan. 5	108	285
"Victory back, Initial Series Congress Playing Cards." (For Playing-Cards)	United States Playing Card Company	1,137	Nov. 1	113	277
"Violet and Spanish backs, Congress Playing Cards." (For Playing-Cards)	United States Playing Card Company	1,103	Sept. 20	112	725
"Walk-off! Clothes." (For Clothes)	Walcoff, Udell & Co	1,148	Nov. 22	113	1141
"Walther Improved Gas Machine." (For Gas-Machines)	American Walther Watch Company	887	Jan. 26	108	1047
"Walther Improved Gas Machine." (For Gas-Machines)	Walther Lighting and Heating Manufacturing Co	1,084	Sept. 6	112	247
"Warner's Rust Proof Corsets." (For Corsets)	Warner Brothers Company	1,073	Aug. 30	111	2487
"We Hatch Out Our Own Ideas in Footwear." (For Shoes)	O. McCormick	919	Mar. 8	109	547
"We Have Competition Beat a Mile." (For Shoes)	O. McCormick	899	Feb. 16	108	1867
"What Else—Please?" (For Flour)	Washburn, Crosby Co	906	Feb. 23	108	2141
"What Kind of Shoes Does Billy Wear?" (For Shoes)	Brown Shoe Co	1,063	Aug. 23	111	2217
"Where Are You Going, My Pretty Maid?" (For Shoes)	Brown Shoe Co	1,064	Aug. 23	111	2217
"Who? Who? or Political Mix Up." (For Games)	C. Dufour	1,071	Aug. 30	111	2487
"Without a Match." (For Cigars)	Martinez Havana Co	1,079	Sept. 6	112	347
"Wizard Cuff Holder." (For Cuff-Holders)	Frank & Gutman	875	Jan. 5	108	285
"Women's Apparel." (For Women's Apparel)	Meyer-Both Co	1,117	Oct. 4	112	1209
"Women's Artistic Easter Foot-Wear." (For Shoes)	O. McCormick	898	Feb. 16	108	1867
"World's Fair Catch Puzzle Souvenir." (For a Puzzle)	R. I. Jeffords	1,028	July 19	111	803
"World's Fair Official Souvenir Playing Cards." (For Playing-Cards)	Samuel Cupples Envelope Co	1,076	Sept. 6	112	247
"Wouldn't You Like to be My Partner?" (For Playing-Cards)	United States Playing Card Company	1,135	Oct. 25	112	2089
"You Will Be Surprised." (For Shoes)	O. McCormick	900	Feb. 16	108	1867
"You'd like my hand, wouldn't you?" (For Playing-Cards)	United States Playing Card Company	1,155	Dec. 6	113	1701

DISCLAIMERS.

Invention.	Patentee.	No. of patent.	Date of patent.	Disclaimer filed.	Official Gazette.	
					Volume.	Page.
Automatic weighing-scale.....	W. R. Smith.....	375,102	Dec. 20, 1887	Apr. 9, 1904	109	1891
Automatic weighing-scale.....	W. R. Smith.....	375,102	Dec. 20, 1887	June 1, 1904	110	1433
Bosh-plate for furnaces.....	J. Scott.....	432,618	May 19, 1891	Mar. 15, 1904	109	811
Cleaner for sifter-drums.....	C. H. Oester.....	624,965	May 16, 1899	Dec. 14, 1904	113	1373
Electroheating apparatus.....	C. E. Carpenter.....	447,023	May 16, 1899	Oct. 26, 1904	113	1
Means for controlling and regulating operation of gas-engines.	G. Westinghouse, Jr., and E. Ruud.	583,585	June 1, 1897	May 17, 1904	110	863
Spinning-ring.....	H. B. Hoyle.....	757,748	Apr. 19, 1904	Oct. 31, 1904	113	285











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